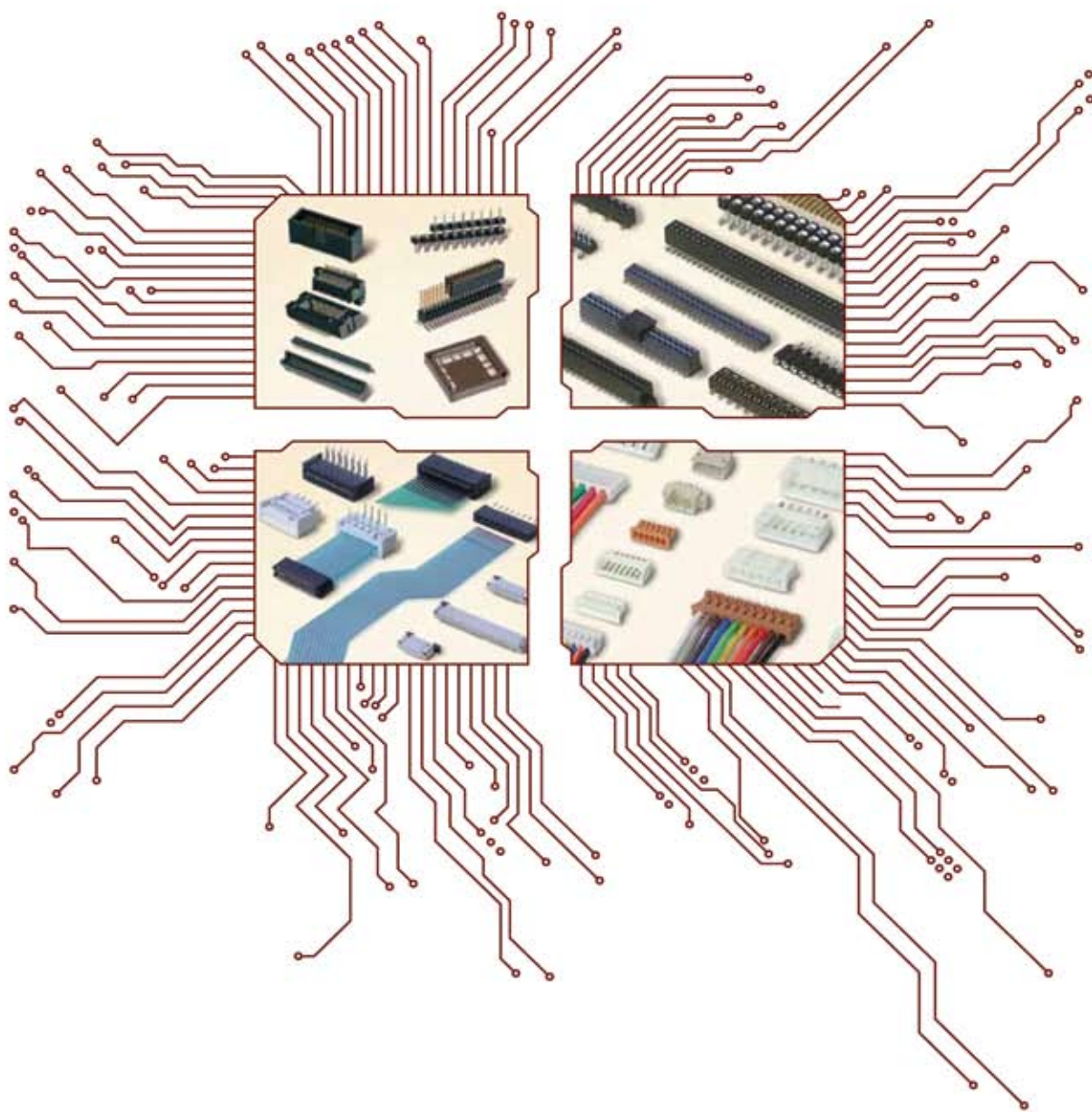


ELITALIA

PRINTET CIRCUIT BOARD INTERCONNECTION SYSTEM



CAT. PCB-F-1

da passo 0.30 mm a passo 1,27 mm

CAT. PCB-F-1 (INDEX 1)

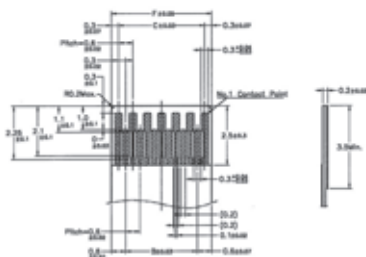
<u>DESCRIPTION</u>	<u>PAGE</u>
<u>0.30MM~0.80MM PITCH PCB CONNECTORS</u>	
0.30MM FFC/FPC ZIF CONNECTORS-----	F0001
0.40MM BOARD-TO-BOARD CONNECTORS-----	F0101~F0108
0.50MM BOARD-TO-BOARD CONNECTORS-----	F0201~F0215
0.50MM FFC/FPC ZIF CONNECTORS-----	F0301~F0325
0.50MM FFC/FPC LIF CONNECTORS-----	F0351~F0352
0.50MM WIRE-TO-BOARD CONNECTORS-----	F0401~F0402
0.60MM 200 & 204 PIN SO DIMM SOCKETS-----	F0501~F0502
0.80MM BOARD-TO-BOARD CONNECTORS-----	F0701~F0709
0.80MM x 1.20MM FEMALE HEADERS-----	F0751
0.80MM x 1.20MM PIN HEADERS H=1.00MM-----	F0801
0.80MM x 1.20MM PIN HEADERS H=1.35MM-----	F0821~F0830
0.80MM x 1.20MM PIN HEADERS H=1.50MM-----	F0851~F0852
0.80MM MINI PCI SLOT SOCKETS-----	F0901~F0905
0.80MM FPC ZIF CONNECTORS-----	F0921~F0923
0.80MM WIRE-TO-BOARD CONNECTORS-----	F0941~F0942
0.85MM 288 PIN DDR4 SOCKET-----	F0961
<u>1.00MM(0.039") PITCH PCB CONNECTORS</u>	
1.00MM x 1.45MM BOARD-TO-BOARD CONNECTORS-----	F1001~F1002
1.00MM FEMALE HEADERS-----	F1051~F1058
1.00MM PIN HEADER DIP TYPES H=1.00MM-----	F1101~F1112
1.00MM PIN HEADER SMT TYPES H=1.00MM-----	F1151~F1161
1.00MM PIN HEADER DIP TYPES H=1.50MM-----	F1201~F1205
1.00MM PIN HEADER SMT TYPES H=1.50MM-----	F1251~F1258
1.00MM PCI EXPRESS SLOT SOCKET STRAIGHT DIP TYPE-----	F1301~F1319
1.00MM PCI EXPRESS SLOT SOCKET RIGHT ANGLE DIP TYPE-----	F1341~F1346
1.00MM PCI EXPRESS SLOT SOCKET SMT TYPE-----	F1371~F1379
1.00MM FFC/FPC ZIF CONNECTORS-----	F1401~F1427
1.00MM FFC/FPC NON-ZIF CONNECTORS-----	F1451~F1466
1.00MM 240 PIN DDR III SOCKETS-----	F1501~F1506
1.00MM WIRE-TO-BOARD CONNECTORS-----	F1551~F1562
<u>1.20MM~1.25MM PITCH PCB CONNECTORS</u>	
1.20MM WIRE-TO-BOARD CONNECTORS-----	F1601~F1603
1.25MM FFC/FPC ZIF CONNECTORS-----	F1701
1.25MM FFC/FPC NON-ZIF CONNECTORS-----	F1751~F1761
1.25MM WIRE-TO-BOARD CONNECTORS-----	F1801~F1815
1.25MM BOARD-IN CONNECTORS-----	F1851
<u>1.27MM x 1.27MM PITCH PCB CONNECTORS</u>	
1.27MM x 1.27MM FEMALE HEADER STRAIGHT DIP TYPE-----	F2001~F2009
1.27MM x 1.27MM FEMALE HEADER RIGHT ANGLE DIP TYPE-----	F2051~F2053
1.27MM x 1.27MM FEMALE HEADER SIDE ENTRY DIP TYPE-----	F2091
1.27MM x 1.27MM FEMALE HEADER SINGLE ROW SMT TYPE-----	F2101~F2106
1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW SMT TYPE-----	F2131~F2142
1.27MM x 1.27MM FEMALE HEADER RIGHT ANGLE SMT TYPE-----	F2161~F2162
1.27MM x 1.27MM FEMALE HEADER SIDE ENTRY SMT TYPE-----	F2181~F2182
1.27MM x 1.27MM BOARD-TO-BOARD CONNECTORS-----	F2201~F2205
1.27MM x 1.27MM PIN HEADER DIP TYPE H=1.00MM-----	F2301~F2318
1.27MM x 1.27MM PIN HEADER SMT TYPE H=1.00MM-----	F2351~F2358
1.27MM x 1.27MM PIN HEADER DIP TYPE H=1.50MM-----	F2401~F2414
1.27MM x 1.27MM PIN HEADER SMT TYPE H=1.50MM-----	F2451~F2458
1.27MM x 1.27MM PIN HEADER DIP TYPE H=2.00MM-----	F2501~F2510
1.27MM x 1.27MM PIN HEADER SMT TYPE H=2.00MM-----	F2551~F2558
1.27MM x 1.27MM PIN HEADER DIP TYPE H=2.50MM-----	F2601~F2613
1.27MM x 1.27MM PIN HEADER SMT TYPE H=2.50MM-----	F2651~F2660

CAT. PCB-F-1 (INDEX 2)

<u>DESCRIPTION</u>	<u>PAGE</u>
1.27MM x 1.27MM PIN HEADER RIGHT ANGLE SMT TYPE-----	F2701~F2707
1.27MM PITCH MINI JUMPERS-----	F2751
1.27MM x 1.27MM BOX HEADER STRAIGHT DIP TYPE-----	F2801~F2819
1.27MM x 1.27MM BOX HEADER RIGHT ANGLE DIP TYPE-----	F2841~F2850
1.27MM x 1.27MM BOX HEADER SMT TYPE-----	F2861~F2882
1.27MM x 1.27MM SHROUDED HEADERS-----	F2901~F2903
1.27MM x 1.27MM DIP PLUG FOR FLAT CABLE ASSEMBLY-----	F3001
1.27MM x 1.27MM IDC SOCKET FOR FLAT CABLE ASSEMBLY-----	F3051~F3054
1.27MM PITCH PCI SLOT SOCKETS-----	F3101~F3124
1.27MM PITCH PLCC SLOT SOCKETS-----	F3201~F3204

- TECHNICAL ALTERNATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- ALL ARTICLES ARE RoHS & REACH/SVHC COMPLIANT.

0.30MM FFC/FPC ZIF CONNECTOR RIGHT ANGLE LOWER CONTACT SMT TYPE



SPECIFICATIONS

Current Rating: 0.2 A

Voltage Rating: 30V

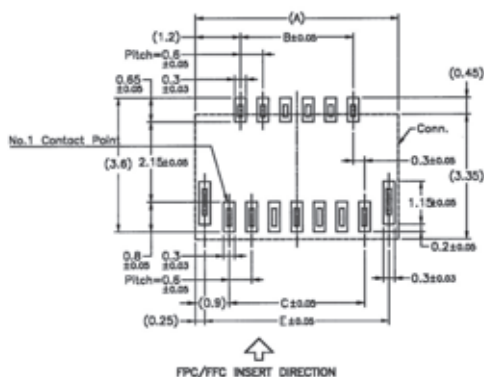
Operating Temperature: -55°C to +85°C

MATERIALS

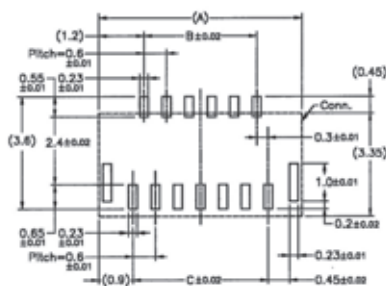
Housing: LCP, UL94V-0

Terminal: Phosphor Bronze

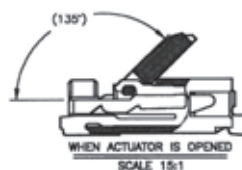
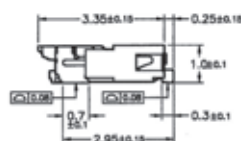
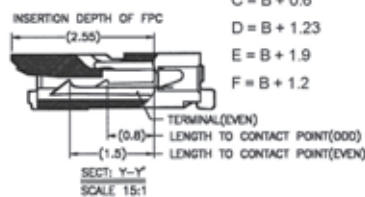
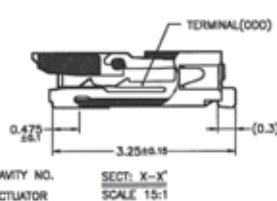
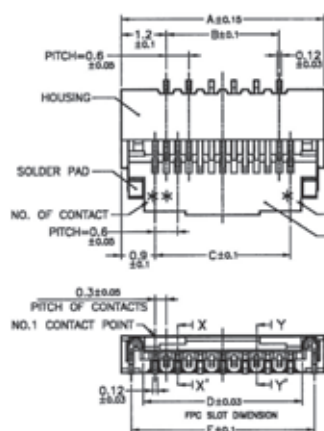
All materials must be RoHS compliant.



Recommended P.C.Board Layout



Recommended Metal Mask Pattern



A = B + 2.4
B = 0.3 x (POSITIONS - 3)
C = B + 0.6
D = B + 1.23
E = B + 1.9
F = B + 1.2

ORDERING INFORMATION:

P/N 030 ZA - xxx G W - R
1 2 3

1. CONTACT TYPE:
"ZA" LOWER CONTACT SMT TYPE
2. NO. OF CONTACTS:
009, 011, 013, 015, 017, 019, 021,
023, 025, 027, 029, 031, 033, 035,
037, 039, 041, 043, 045, 049, 051,
057, 061, 067, 071
3. PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

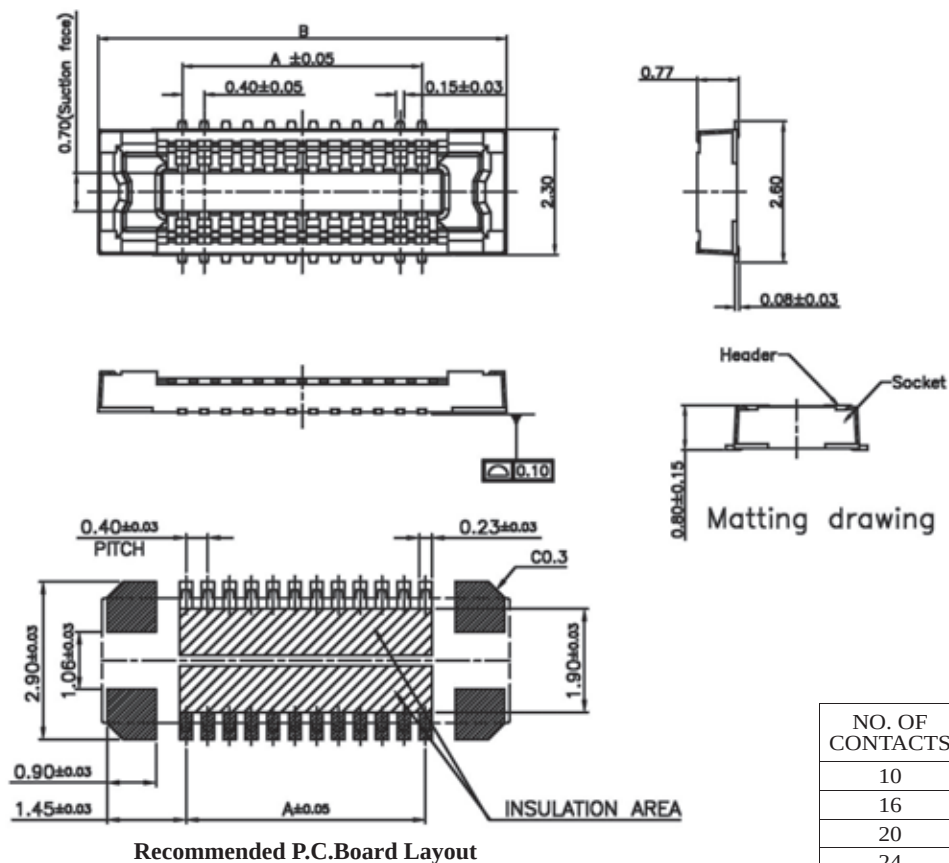
0.40MM(0.016") BOARD-TO-BOARD SMT SOCKET STACKED HEIGHT=0.80MM (A1)

MATERIALS

Housing: High Temp. UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
10	1.60	4.70
16	2.80	5.90
20	3.60	6.70
24	4.40	7.50
26	4.80	7.90
30	5.60	8.70
34	6.40	9.50
40	7.60	10.70

ORDERING INFORMATION:

P/N 0 4 0 F4 - x x x G B - R

1 2 3 4

- CONNECTOR TYPE:
"F4" FEMALE (SOCKET)
- NO. OF CONTACTS:
010, 016, 020, 024, 026, 030, 034, 040
- CONTACT FINISH:
"G" FULL GOLD PLATED
- PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F4 & 040M4 IS 0.80MM.

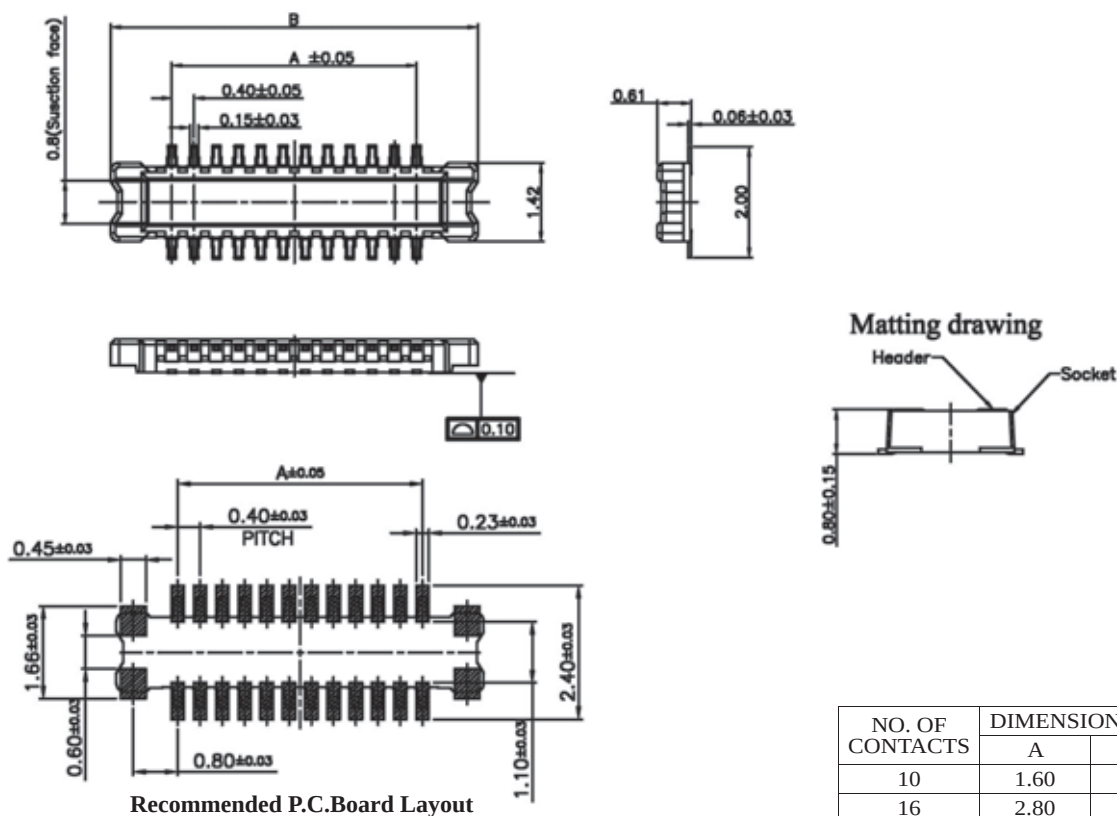
0.40MM(0.016") BOARD-TO-BOARD SMT PLUG STACKED HEIGHT=0.80MM (A2)

MATERIALS

Housing: High Temp. UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
10	1.60	3.80
16	2.80	5.00
20	3.60	5.80
24	4.40	6.60
26	4.80	7.00
30	5.60	7.80
34	6.40	8.60
40	7.60	9.80

ORDERING INFORMATION:

P/N 0 4 0 M 4 - x x x G B - R
 1 2 3 4

1. CONNECTOR TYPE:
"M4" MALE (PLUG)
2. NO. OF CONTACTS:
010, 016, 020, 024, 026, 030, 034, 040
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F4 & 040M4 IS 0.80MM.

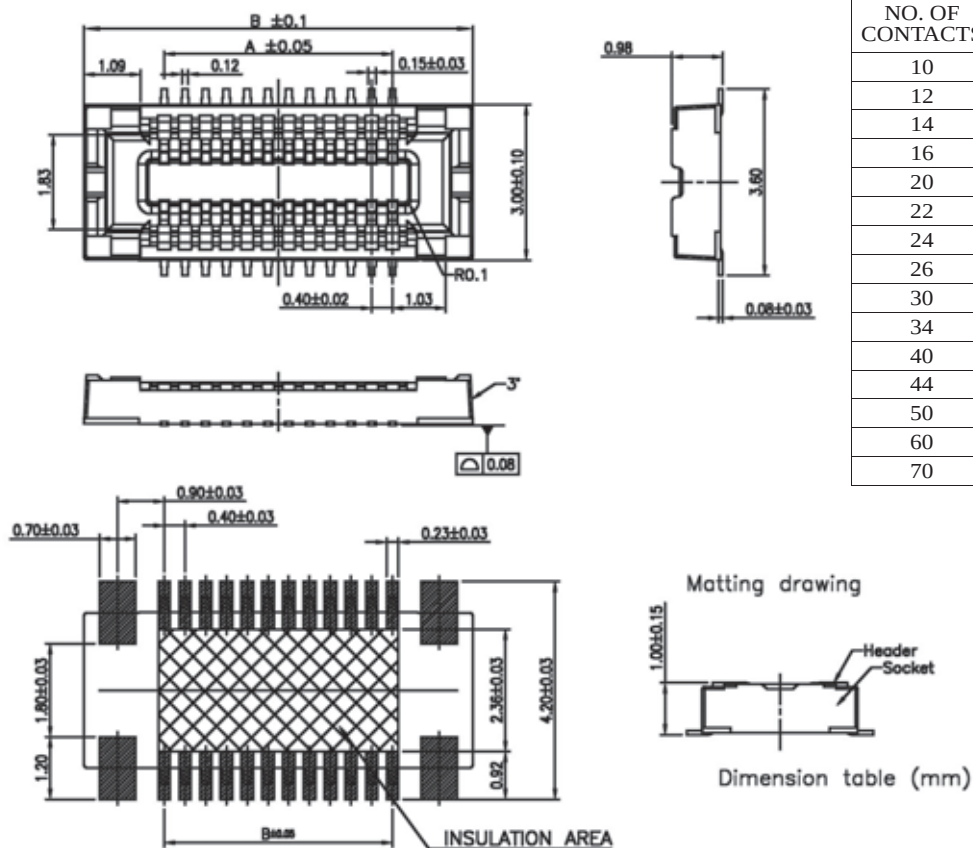
0.40MM(0.016") BOARD-TO-BOARD SMT SOCKET STACKED HEIGHT=1.00MM (B1)

MATERIALS

Housing: High Temp. UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
10	1.60	4.70
12	2.00	5.10
14	2.40	5.50
16	2.80	5.90
20	3.60	6.70
22	4.00	7.10
24	4.40	7.50
26	4.80	7.90
30	5.60	8.70
34	6.40	9.50
40	7.60	10.70
44	8.40	11.50
50	9.60	12.70
60	11.60	14.70
70	13.60	16.70

Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 0 4 0 F5 - x x x G B - R

1. CONNECTOR TYPE:
"F5" FEMALE (SOCKET)
2. NO. OF CONTACTS:
010 ~ 070
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F5 & 040M5 IS 1.00MM.

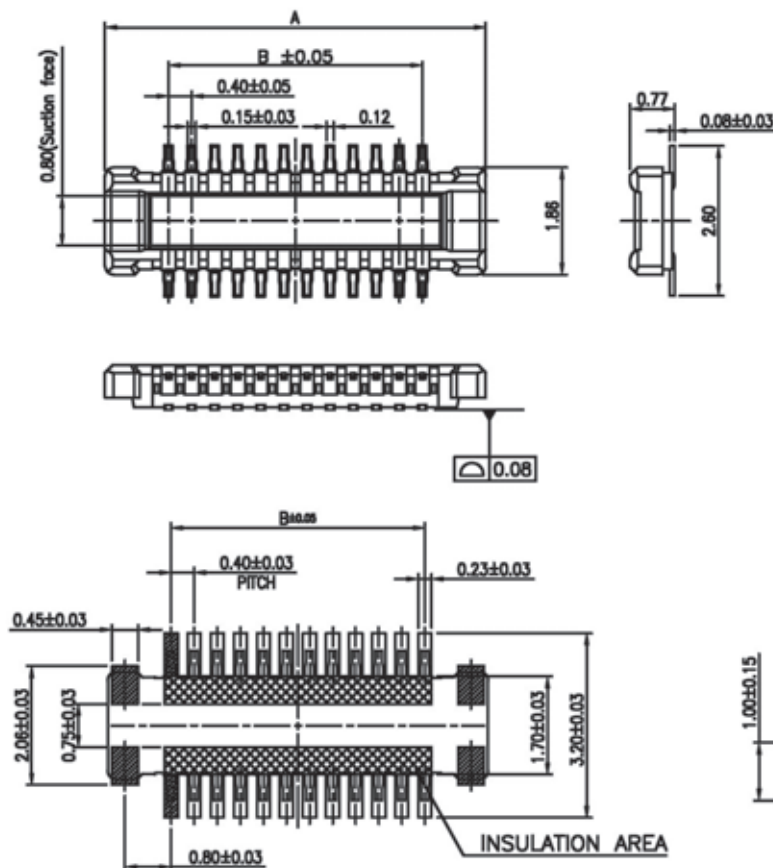
0.40MM(0.016") BOARD-TO-BOARD SMT PLUG STACKED HEIGHT=1.00MM (B2)

MATERIALS

Housing: High Temp. UL94V-0, Black

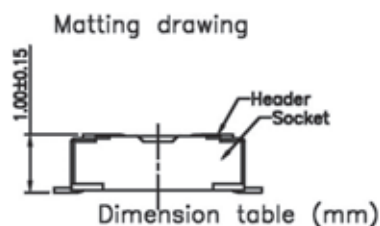
Terminal: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
10	3.80	1.60
12	4.20	2.00
14	4.60	2.40
16	5.00	2.80
20	5.80	3.60
22	6.20	4.00
24	6.60	4.40
26	7.00	4.80
30	7.80	5.60
34	8.60	6.40
40	9.80	7.60
44	10.60	8.40
50	11.80	9.60
60	13.80	11.60
70	15.80	13.60



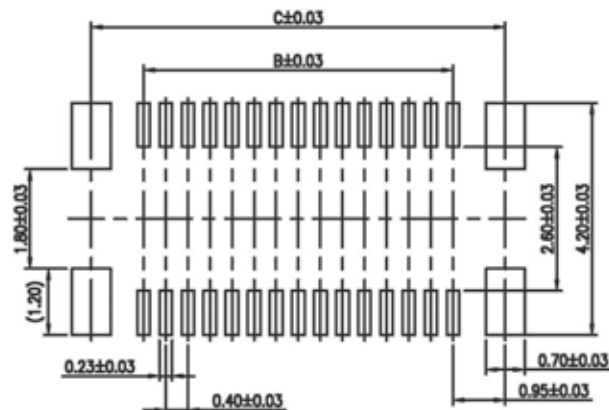
ORDERING INFORMATION:

P/N 0 4 0 M5 - xxx G B - R
1 2 3 4

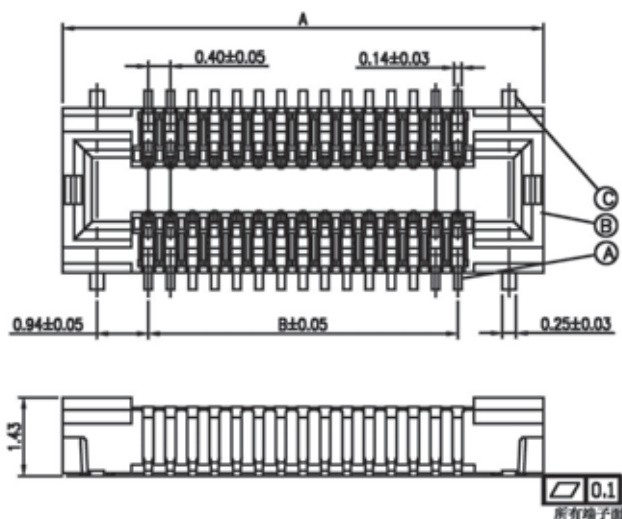
1. CONNECTOR TYPE:
"M5" MALE (PLUG)
2. NO. OF CONTACTS:
010 ~ 070
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F5 & 040M5 IS 1.00MM.

0.40MM(0.016") BOARD-TO-BOARD SMT SOCKET STACKED HEIGHT=1.50MM (C1)



Recommended P.C.Board Layout



NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
10	4.70	1.60	3.50
24	7.50	4.40	6.30
26	7.90	4.80	6.70
30	8.70	5.60	7.50
34	9.50	6.40	8.30

ORDERING INFORMATION:

P/N 0 4 0 F6 - xxx G B - R
1 2 3 4

- CONNECTOR TYPE:
"F6" FEMALE (SOCKET)
- NO. OF CONTACTS:
010, 024, 026, 030, 034
- CONTACT FINISH:
"G" FULL GOLD PLATED
- PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F6 & 040M6 IS 1.50MM.

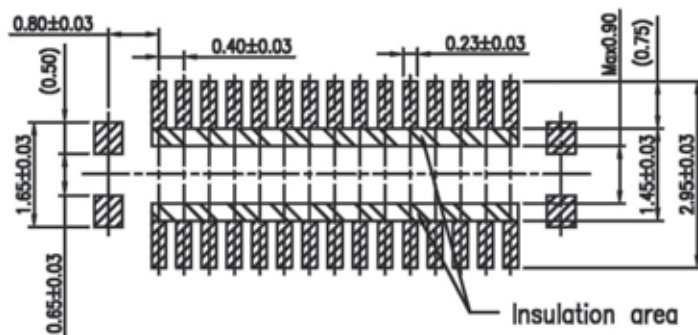
0.40MM(0.016") BOARD-TO-BOARD SMT PLUG STACKED HEIGHT=1.50MM (C2)

MATERIALS

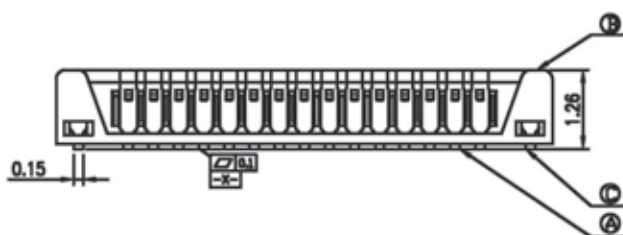
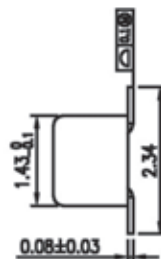
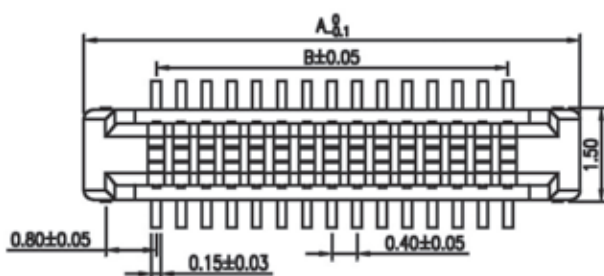
Housing: High Temp. UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
10	3.90	1.60
24	6.70	4.40
26	7.10	4.80
30	7.90	5.60
34	8.70	6.40

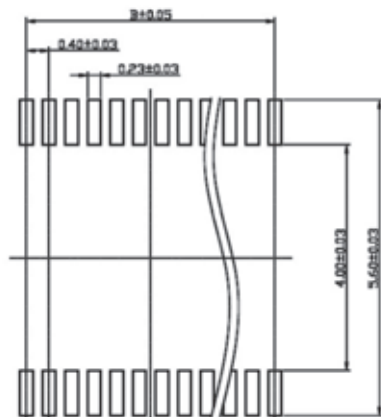
ORDERING INFORMATION:

P/N 0 4 0 M 6 - x x x G B - R
1 2 3 4

1. CONNECTOR TYPE:
"M6" MALE (PLUG)
2. NO. OF CONTACTS:
010, 024, 026, 030, 034
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F6 & 040M6 IS 1.50MM.

0.40MM(0.016") BOARD-TO-BOARD SMT SOCKET STACKED HEIGHT=0.90MM (D1)



Recommended P.C.Board Layout

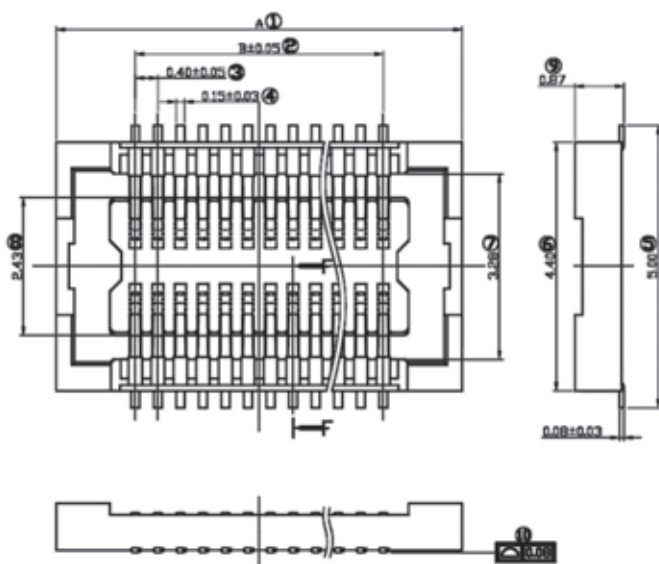
MATERIALS

Housing: High Temp. UL94V-0, Black

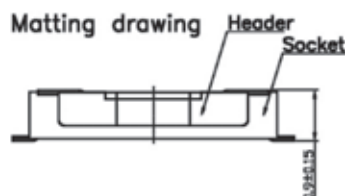
Terminal: Copper Alloy

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
20	6.40	3.6
24	7.20	4.4
30	8.40	5.6
40	10.40	7.6
50	12.40	9.6
60	14.40	11.6
70	16.40	13.6
80	18.40	15.6



F-F cross section
Scale : X2



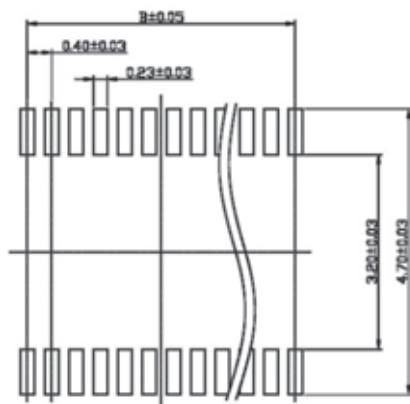
ORDERING INFORMATION:

P/N 040 F7 - xxx G B - R
1 2 3 4

- CONNECTOR TYPE:
"F7" FEMALE (SOCKET)
- NO. OF CONTACTS:
020, 024, 030, 040, 050, 060, 070, 080
- CONTACT FINISH:
"G" FULL GOLD PLATED
- PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F7 & 040M7 IS 0.90MM.

0.40MM(0.016") BOARD-TO-BOARD SMT PLUG STACKED HEIGHT=0.90MM (D2)



Recommended P.C.Board Layout

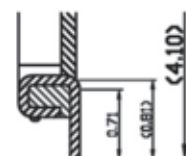
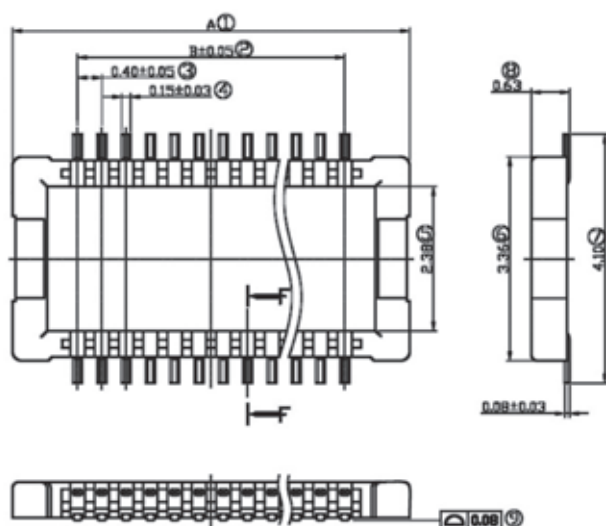
MATERIALS

Housing: High Temp. UL94V-0, Black

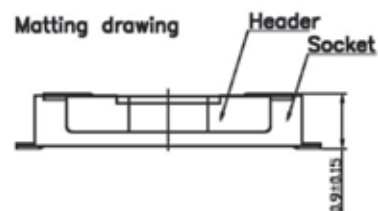
Terminal: Copper Alloy

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
20	5.74	3.6
24	6.54	4.4
30	7.74	5.6
40	9.74	7.6
50	11.74	9.6
60	13.74	11.6
70	15.74	13.6
80	17.74	15.6



F-F cross section
Scale : X2



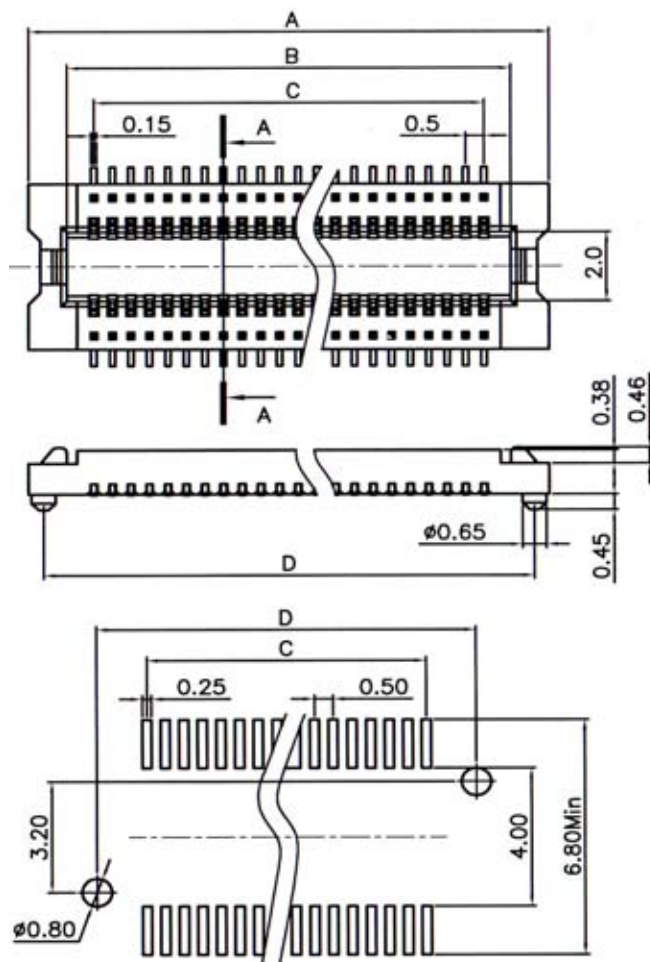
ORDERING INFORMATION:

P/N 0 4 0 M 7 - x x x G B - R
1 2 3 4

- CONNECTOR TYPE:
"M7" MALE (PLUG)
- NO. OF CONTACTS:
020, 024, 030, 040, 050, 060, 070, 080
- CONTACT FINISH:
"G" FULL GOLD PLATED
- PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F7 & 040M7 IS 0.90MM.

0.50MM (0.020") BOARD-TO-BOARD SMT SOCKET (A1)



Recommended P.C.Board Layout

DIMENSIONS:

A = 0.50 x No. of Positions / 2 + 3.00

B = 0.50 x No. of Positions / 2 + 0.95

C = 0.50 x No. of Positions / 2 - 0.50

D = 0.50 x No. of Positions / 2 + 2.20

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 150V For 1 minute

Insulator Resistance: 100MΩ min. at DC 500V

Contact Resistance: 90mΩ Max. at DC 100mA

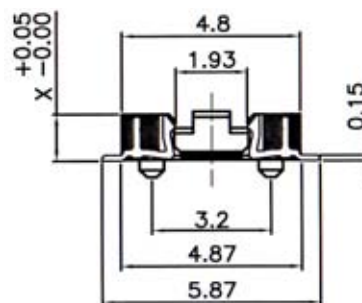
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
1.5 mm	050N1-xxxxB-x	050G1-xxxxB-x
2.0 mm	050N1-xxxxB-x	050G2-xxxxB-x
2.0 mm	050N2-xxxxB-x	050G1-xxxxB-x
2.5 mm	050N2-xxxxB-x	050G2-xxxxB-x

ORDERING INFORMATION:

P/N 050 $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{x}{4} B - \frac{x}{4}$

1. PROFILE & POST OPTION:

"G1" X = 1.30mm WITH POST

"G2" X = 1.85mm WITH POST

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

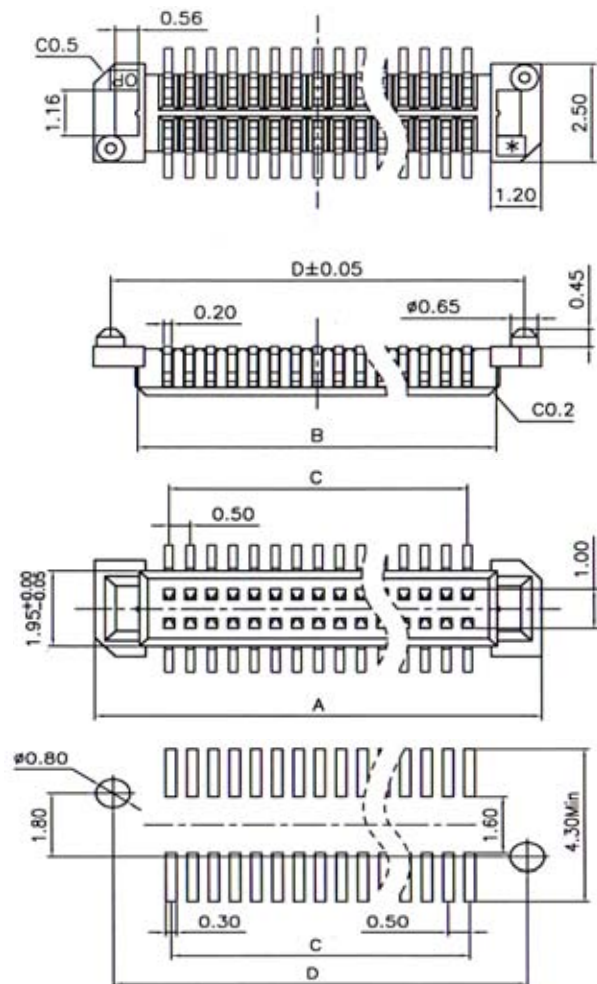
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.50MM (0.020") BOARD-TO-BOARD SMT PLUG (A2)



Recommended P.C.Board Layout

STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
1.5 mm	050N1-xxxxB-x	050G1-xxxxB-x
2.0 mm	050N1-xxxxB-x	050G2-xxxxB-x
2.0 mm	050N2-xxxxB-x	050G1-xxxxB-x
2.5 mm	050N2-xxxxB-x	050G2-xxxxB-x

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 150V For 1 minute

Insulator Resistance: 100MΩ min. at DC 500V

Contact Resistance: 90mΩ Max. at DC 100mA

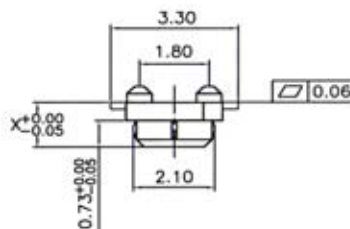
Operating Temperature: -55°C to + 105°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)			
	A	B	C	D
10	5.50	3.40	2.00	4.70
12	6.00	3.90	2.50	5.20
14	6.50	4.40	3.00	5.70
16	7.00	4.90	3.50	6.20
18	7.50	5.40	4.00	6.70
20	8.00	5.90	4.50	7.20
22	8.50	6.40	5.00	7.70
24	9.00	6.90	5.50	8.20
26	9.50	7.40	6.00	8.70
30	10.50	8.40	7.00	9.70
34	11.50	9.40	8.00	10.70
40	13.00	10.90	9.50	12.20
50	15.50	13.40	12.00	14.70
60	18.00	15.90	14.50	17.20
70	20.50	18.40	17.00	19.70
72	21.00	18.90	17.50	20.20
80	23.00	20.90	19.50	22.20
90	25.50	23.40	22.00	24.70
100	28.00	25.90	24.50	27.20

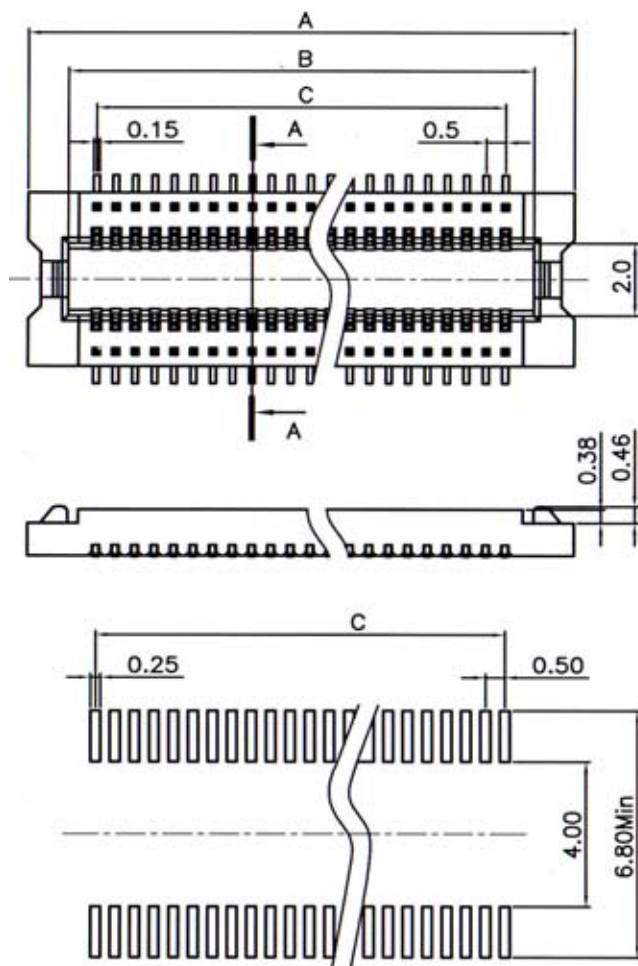
ORDERING INFORMATION:

P/N 050 1 2 3 4 B - 5

1. PROFILE & POST OPTION:
"N1" X = 1.25mm WITH POST
"N2" X = 1.75mm WITH POST
2. NO. OF CONTACTS:
010 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED

4. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM (0.020") BOARD-TO-BOARD SMT SOCKET (B1)



Recommended P.C.Board Layout

DIMENSIONS:

A = 0.50 x No. of Positions / 2 + 3.00

B = 0.50 x No. of Positions / 2 + 0.95

C = 0.50 x No. of Positions / 2 - 0.50

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 150V For 1 minute

Insulator Resistance: 100MΩ min. at DC 500V

Contact Resistance: 90mΩ Max. at DC 100mA

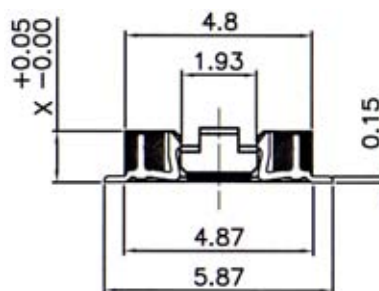
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
1.5 mm	050N3-xxxxB-x	050G3-xxxxB-x
2.0 mm	050N3-xxxxB-x	050G4-xxxxB-x
2.0 mm	050N4-xxxxB-x	050G3-xxxxB-x
2.5 mm	050N4-xxxxB-x	050G4-xxxxB-x

ORDERING INFORMATION:

P/N 050 $\frac{xx}{1} - \frac{xxxx}{2} \frac{x}{3} B - \frac{x}{4}$

1. PROFILE & POST OPTION:

"G3" X = 1.30mm WITHOUT POST

"G4" X = 1.85mm WITHOUT POST

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

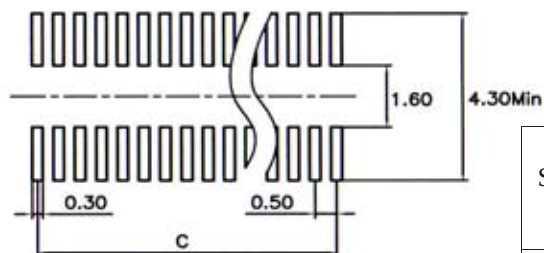
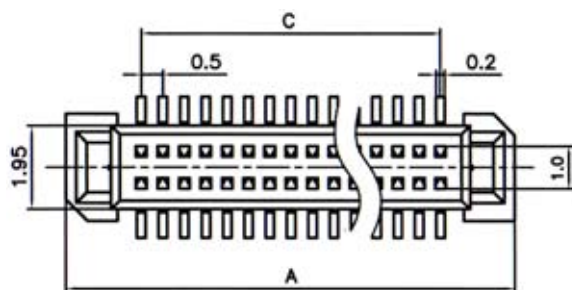
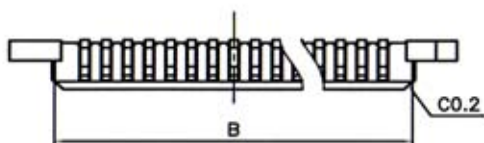
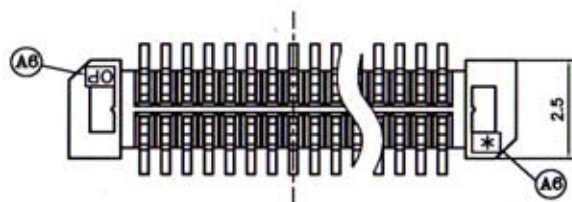
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.50MM (0.020") BOARD-TO-BOARD SMT PLUG (B2)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 150V For 1 minute

Insulator Resistance: 100MΩ min. at DC 500V

Contact Resistance: 90mΩ Max. at DC 100mA

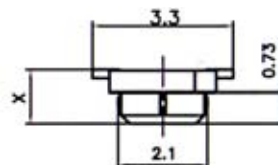
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)		
	A	B	C
10	5.50	3.40	2.00
12	6.00	3.90	2.50
14	6.50	4.40	3.00
16	7.00	4.90	3.50
20	8.00	5.90	4.50
22	8.50	6.40	5.00
24	9.00	6.90	5.50
26	9.50	7.40	6.00
30	10.50	8.40	7.00
34	11.50	9.40	8.00
40	13.00	10.90	9.50
50	15.50	13.40	12.00
60	18.00	15.90	14.50
70	20.50	18.40	17.00
72	21.00	18.90	17.50
80	23.00	20.90	19.50
90	25.50	23.40	22.00
100	28.00	25.90	24.50

STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
1.5 mm	050N3-xxxxB-x	050G3-xxxxB-x
2.0 mm	050N3-xxxxB-x	050G4-xxxxB-x
2.0 mm	050N4-xxxxB-x	050G3-xxxxB-x
2.5 mm	050N4-xxxxB-x	050G4-xxxxB-x

ORDERING INFORMATION:

P/N 050 $\frac{x}{1}$ $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. PROFILE & POST OPTION:

"N3" X= 1.25mm WITHOUT POST

"N4" X= 1.75mm WITHOUT POST

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

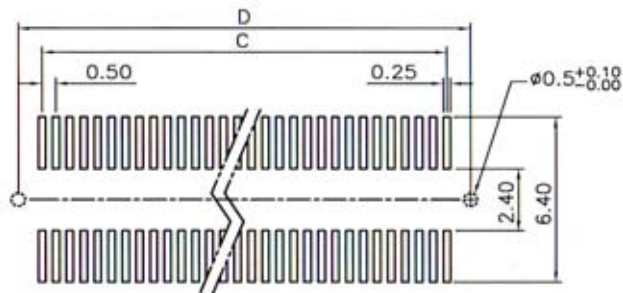
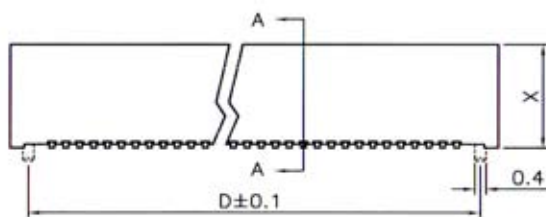
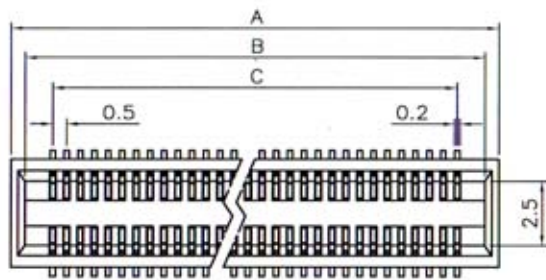
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.50MM (0.020") BOARD-TO-BOARD SMT SOCKET (C1)



Recommended P.C.Board Layout

DIMENSIONS:

A = 0.50 x No. of Positions / 2 + 2.50

B = 0.50 x No. of Positions / 2 + 1.50

C = 0.50 x No. of Positions / 2 - 0.50

D = 0.50 x No. of Positions / 2 + 1.20

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 150V For 1 minute

Insulator Resistance: 100MΩ min. at DC 500V

Contact Resistance: 90mΩ Max. at DC 100mA

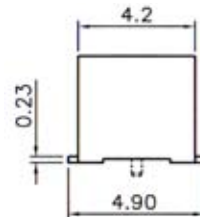
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
4.0 mm	050P1(P2)-xxxxB-x	050H1(H5)-xxxxB-x
4.5 mm	050P1(P2)-xxxxB-x	050H2(H6)-xxxxB-x
7.0 mm	050P1(P2)-xxxxB-x	050H3(H7)-xxxxB-x
5.0 mm	050P1(P2)-xxxxB-x	050H4(H8)-xxxxB-x

ORDERING INFORMATION:

P/N 050 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. HEIGHT & POST OPTION:

"H1" X=3.0mm WITH POST

"H2" X=3.5mm WITH POST

"H3" X=6.0mm WITH POST

"H4" X=4.0mm WITH POST

"H5" X=3.0mm WITHOUT POST

"H6" X=3.5mm WITHOUT POST

"H7" X=6.0mm WITHOUT POST

"H8" X=4.0mm WITHOUT POST

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

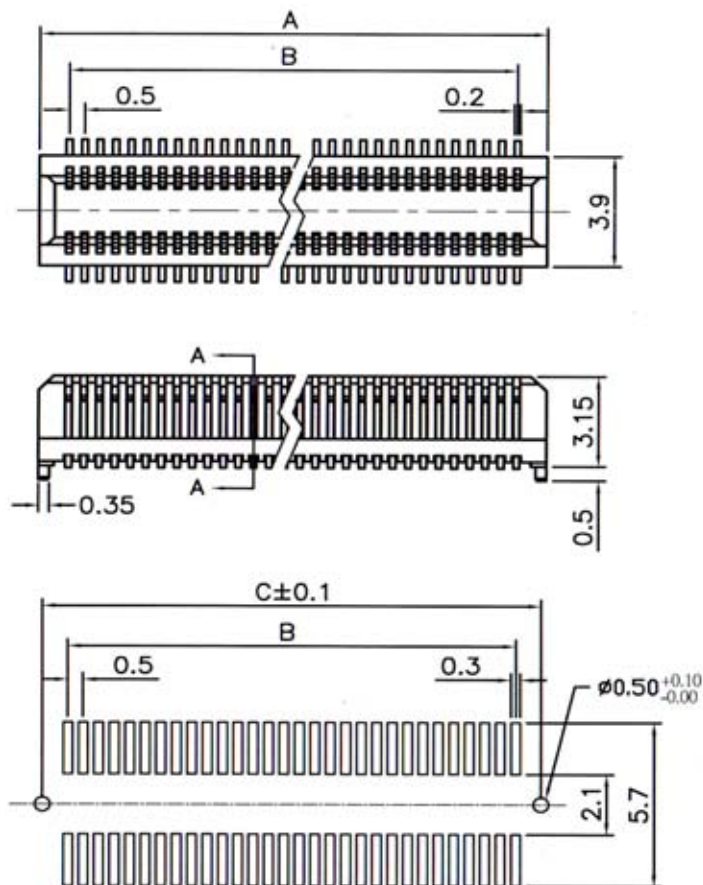
4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

"Q" WITH PAD IN TAPE & REEL

0.50MM (0.020") BOARD-TO-BOARD SMT PLUG (C2)



Recommended P.C.Board Layout

DIMENSIONS:

A = 0.50 x No. of Positions / 2 + 1.50

B = 0.50 x No. of Positions / 2 - 0.50

C = 0.50 x No. of Positions / 2 + 1.20

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 150V For 1 minute

Insulator Resistance: 100MΩ min. at DC 500V

Contact Resistance: 90mΩ Max. at DC 100mA

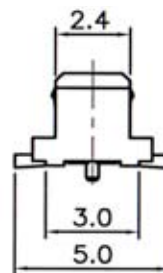
Operating Temperature: -55°C to + 105°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
4.0 mm	050P1(P2)-xxxxB-x	050H1(H5)-xxxxB-x
4.5 mm	050P1(P2)-xxxxB-x	050H2(H6)-xxxxB-x
7.0 mm	050P1(P2)-xxxxB-x	050H3(H7)-xxxxB-x
5.0 mm	050P1(P2)-xxxxB-x	050H4(H8)-xxxxB-x

ORDERING INFORMATION:

P/N 050 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. POST OPTION:

"P1" WITH POST

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

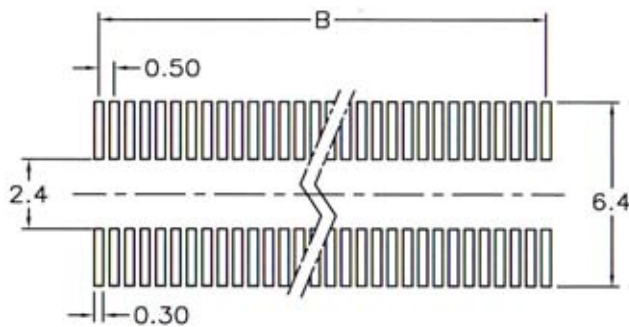
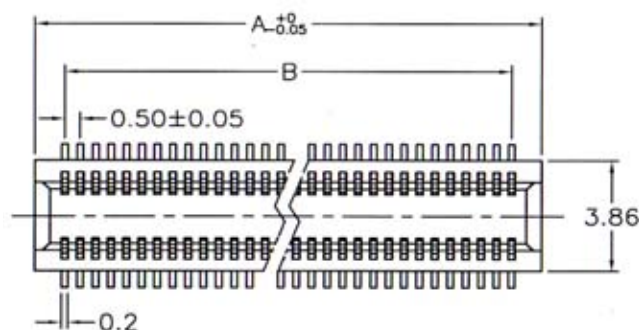
4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

"Q" WITH PAD IN TAPE & REEL

0.50MM (0.020") BOARD-TO-BOARD SMT PLUG (C3)



Recommended P.C.Board Layout

DIMENSIONS:

A = 0.50 x No. of Positions / 2 + 1.50

B = 0.50 x No. of Positions / 2 - 0.50

C = 0.50 x No. of Positions / 2 + 1.20

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 150V For 1 minute

Insulator Resistance: 100MΩ min. at DC 500V

Contact Resistance: 90mΩ Max. at DC 100mA

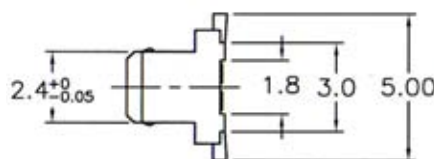
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
4.0 mm	050P1(P2)-xxxxB-x	050H1(H5)-xxxxB-x
4.5 mm	050P1(P2)-xxxxB-x	050H2(H6)-xxxxB-x
7.0 mm	050P1(P2)-xxxxB-x	050H3(H7)-xxxxB-x
5.0 mm	050P1(P2)-xxxxB-x	050H4(H8)-xxxxB-x

ORDERING INFORMATION:

P/N 050 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. POST OPTION:

"P2" WITHOUT POST

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

"Q" WITH PAD IN TAPE & REEL

0.50MM(0.0197") BOARD-TO-BOARD SMT SOCKET (D1)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

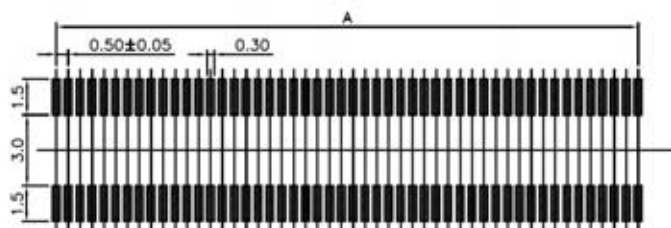
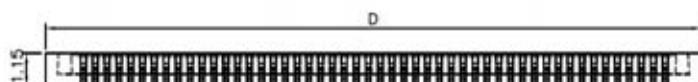
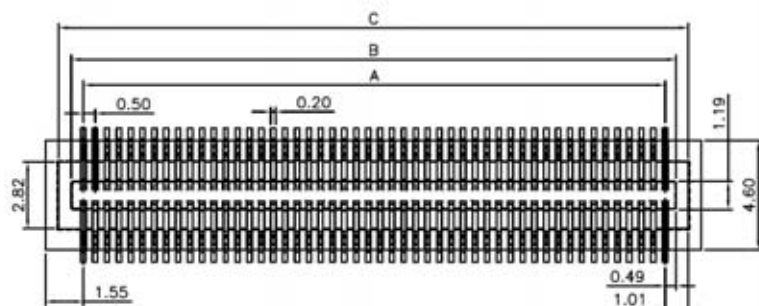
MATERIALS

Contact: Phosphor Bronze

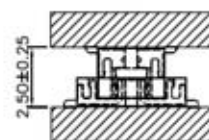
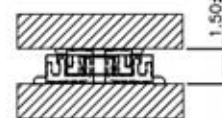
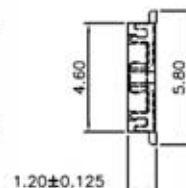
Contact Plating: Gold

Insulator: HTN (UL 94V-0)

*** RoHS & REACH compliant.**



Recommended P.C.Board Layout



Mating Drawing 1

Mating Drawing 2

Contacts Dimensions				
No. of Position	A	B	C	D
020	4.50	5.48	6.52	7.60
030	7.00	7.98	9.02	10.10
040	9.50	10.48	11.52	12.60
050	12.00	12.98	14.02	15.10
060	14.50	15.48	16.52	17.60
070	17.00	17.98	19.02	20.10
080	19.50	20.48	21.52	22.60
090	22.00	22.98	24.02	25.10
100	24.50	25.48	26.52	27.60

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
1.50MM	050M1-xxxGB-x	050F1-xxxGB-x
2.50MM	050M2-xxxGB-x	050F1-xxxGB-x

ORDERING INFORMATION:

P/N 050 F1 - xxx GB - x

- BODY HEIGHT:
"F1" H= 1.20MM
- NO. OF CONTACTS:
020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM(0.0197") BOARD-TO-BOARD SMT SOCKET (D2)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

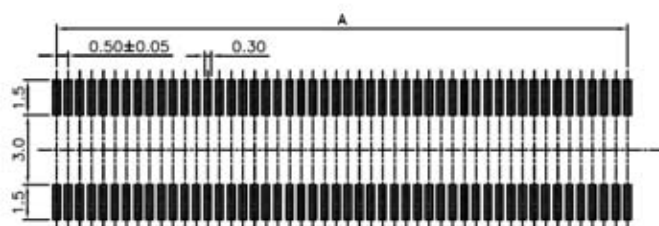
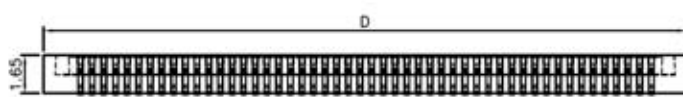
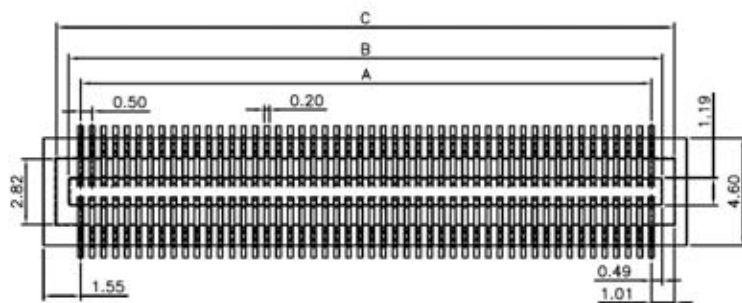
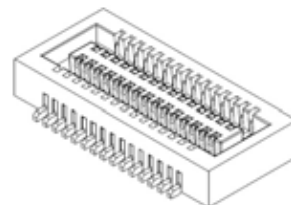
MATERIALS

Contact: Phosphor Bronze

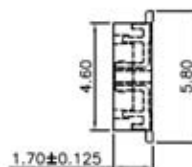
Contact Plating: Gold

Insulator: HTN (UL 94V-0)

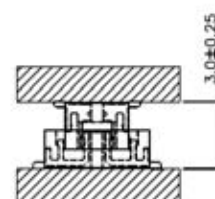
*** RoHS & REACH compliant.**



Recommended P.C.Board Layout



Mating Drawing 1



Mating Drawing 2

Contacts Dimensions				
No. of Position	A	B	C	D
020	4.50	5.48	6.52	7.60
030	7.00	7.98	9.02	10.10
040	9.50	10.48	11.52	12.60
050	12.00	12.98	14.02	15.10
060	14.50	15.48	16.52	17.60
070	17.00	17.98	19.02	20.10
080	19.50	20.48	21.52	22.60
090	22.00	22.98	24.02	25.10
100	24.50	25.48	26.52	27.60

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
2.00MM	050M1-xxxGB-x	050F2-xxxGB-x
3.00MM	050M2-xxxGB-x	050F2-xxxGB-x

ORDERING INFORMATION:

P/N 050 F2 - xxx GB - x

- BODY HEIGHT:
"F2" H= 1.70MM
- NO. OF CONTACTS:
020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM(0.0197") BOARD-TO-BOARD SMT SOCKET (D3)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

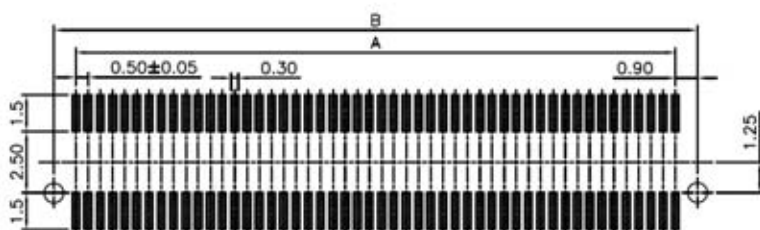
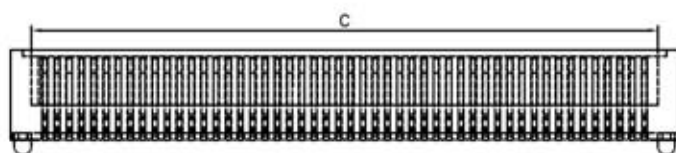
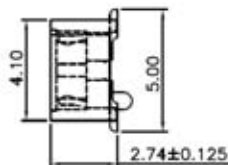
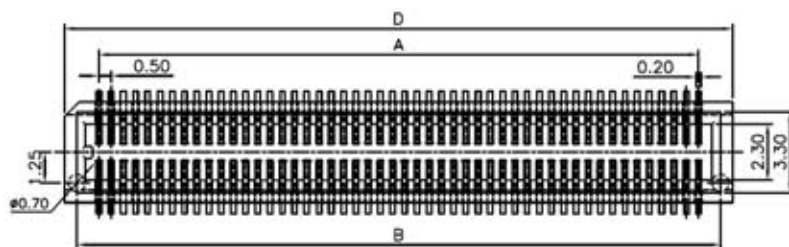
MATERIALS

Contact: Phosphor Bronze

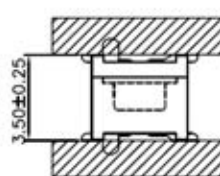
Contact Plating: Gold

Insulator: HTN (UL 94V-0)

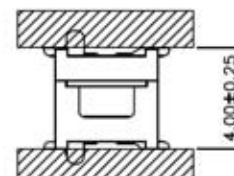
*** RoHS & REACH compliant.**



Recommended P.C.Board Layout



Mating Drawing 1



Mating Drawing 2

Contacts Dimensions				
No. of Position	A	B	C	D
020	4.50	6.30	5.60	7.30
030	7.00	8.80	8.10	9.80
040	9.50	11.30	10.60	12.30
050	12.00	13.80	13.10	14.80
060	14.50	16.30	15.60	17.30
070	17.00	18.80	18.10	19.80
080	19.50	21.30	20.60	22.30
090	22.00	23.80	23.10	24.80
100	24.50	26.30	25.60	27.30

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
3.50MM	050M3-xxxGB-x	050F3-xxxGB-x
4.00MM	050M4-xxxGB-x	050F3-xxxGB-x

ORDERING INFORMATION:

P/N 050 F3 - xxx G B - x

- BODY HEIGHT:
"F3" H= 2.74MM
- NO. OF CONTACTS:
020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM(0.0197") BOARD-TO-BOARD SMT SOCKET (D4)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

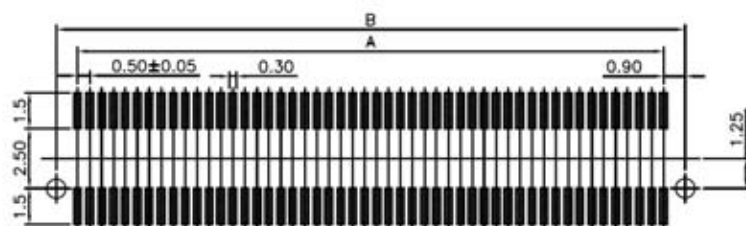
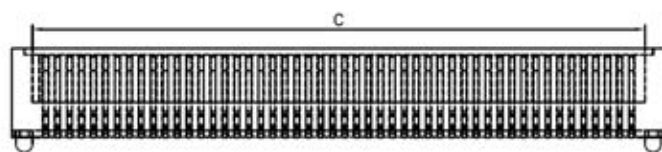
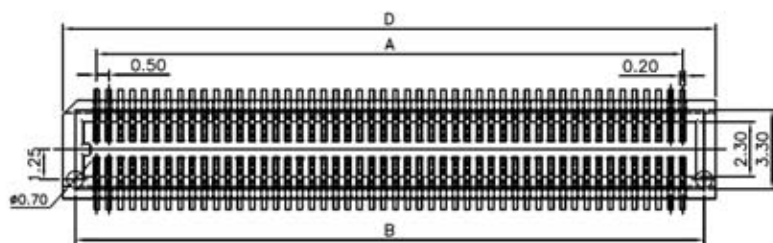
MATERIALS

Contact: Phosphor Bronze

Contact Plating: Gold

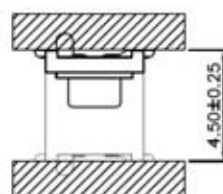
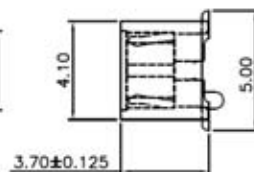
Insulator: HTN (UL 94V-0)

*** RoHS & REACH compliant.**

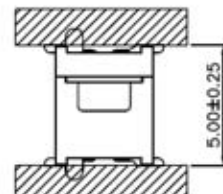


Recommended P.C.Board Layout

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
4.50MM	050M3-xxxGB-x	050F4-xxxGB-x
5.00MM	050M4-xxxGB-x	050F4-xxxGB-x



Mating Drawing 1



Mating Drawing 2

Contacts Dimensions				
No. of Position	A	B	C	D
020	4.50	6.30	5.60	7.30
030	7.00	8.80	8.10	9.80
040	9.50	11.30	10.60	12.30
050	12.00	13.80	13.10	14.80
060	14.50	16.30	15.60	17.30
070	17.00	18.80	18.10	19.80
080	19.50	21.30	20.60	22.30
090	22.00	23.80	23.10	24.80
100	24.50	26.30	25.60	27.30

ORDERING INFORMATION:

P/N 050 F4 - xxx GB - x

- BODY HEIGHT:
"F4" H= 3.70MM
- NO. OF CONTACTS:
020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

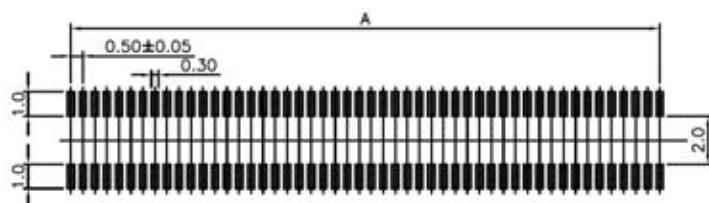
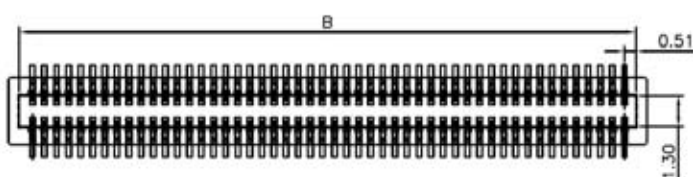
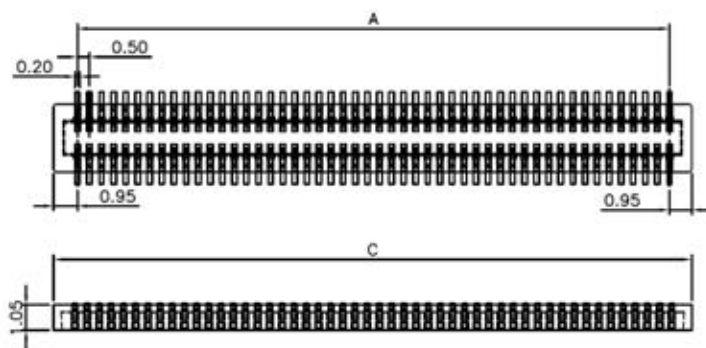
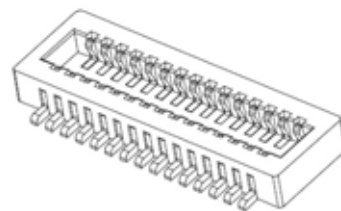
0.50MM(0.0197") BOARD-TO-BOARD SMT PLUG (D5)

SPECIFICATIONS

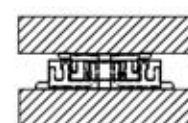
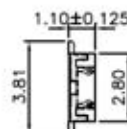
Rating Current: 0.5 Amperes
 Insulation Resistance: 100MΩ Min.
 Withstanding Voltage: 500V AC
 Contact Resistance: 40mΩ Max.
 Operating Temperature: -20°C to +105°C

MATERIALS

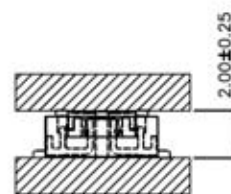
Contact: Phosphor Bronze
 Contact Plating: Gold
 Insulator: HTN (UL 94V-0)
 * RoHS & REACH compliant.



Recommended P.C.Board Layout



Mating Drawing 1



Mating Drawing 2

Contacts Dimensions			
No. of Position	A	B	C
020	4.50	5.52	6.40
030	7.00	8.02	8.90
040	9.50	10.52	11.40
050	12.00	13.02	13.90
060	14.50	15.52	16.40
070	17.00	18.02	18.90
080	19.50	20.52	21.40
090	22.00	23.02	23.90
100	24.50	25.52	26.40

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
1.50MM	050M1-xxxGB-x	050F1-xxxGB-x
2.00MM	050M1-xxxGB-x	050F2-xxxGB-x

ORDERING INFORMATION:

P/N 0 5 0 M1 - xxx G B - x
 1 2 3

- BODY HEIGHT:
"M1" H= 1.10MM
- NO. OF CONTACTS:
020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

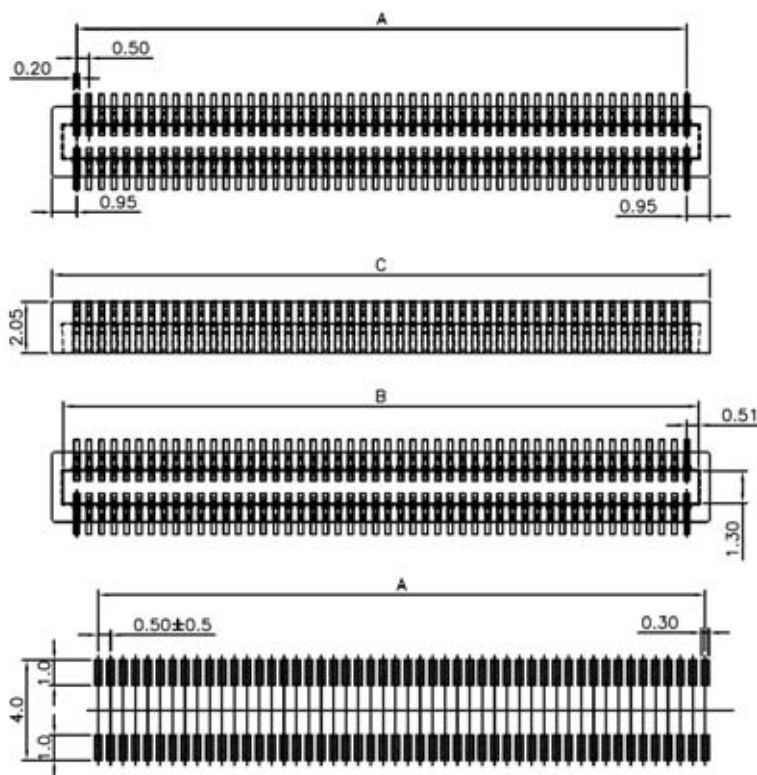
0.50MM(0.0197") BOARD-TO-BOARD SMT PLUG (D6)

SPECIFICATIONS

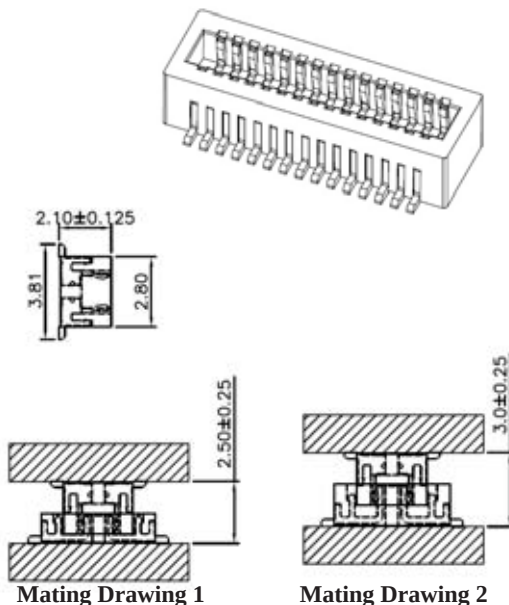
Rating Current: 0.5 Amperes
Insulation Resistance: 100MΩ Min.
Withstanding Voltage: 500V AC
Contact Resistance: 40mΩ Max.
Operating Temperature: -20°C to +105°C

MATERIALS

Contact: Phosphor Bronze
Contact Plating: Gold
Insulator: HTN (UL 94V-0)
*** RoHS & REACH compliant.**



Recommended P.C.Board Layout



Contacts Dimensions			
No. of Position	A	B	C
020	4,50	5,52	6,40
030	7,00	8,02	8,90
040	9,50	10,52	11,40
050	12,00	13,02	13,90
060	14,50	15,52	16,40
070	17,00	18,02	18,90
080	19,50	20,52	21,40
090	22,00	23,02	23,90
100	24,50	25,52	26,40

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
2.50MM	050M2-xxxGB-x	050F1-xxxGB-x
3.00MM	050M2-xxxGB-x	050F2-xxxGB-x

ORDERING INFORMATION:

P/N 0 5 0 M 2 - x x x G B - x

1 2 3

- BODY HEIGHT:
"M2" H= 2.10MM
- NO. OF CONTACTS:
020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM(0.0197") BOARD-TO-BOARD SMT PLUG (D7)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

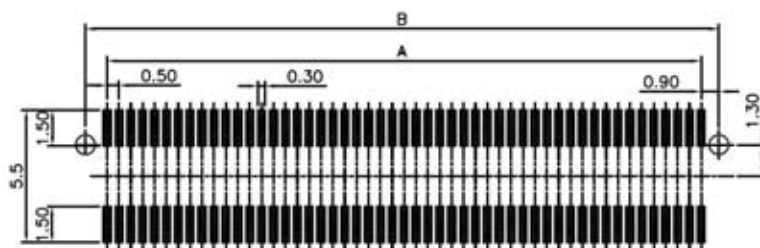
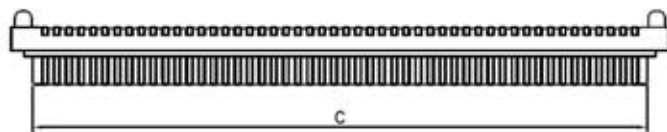
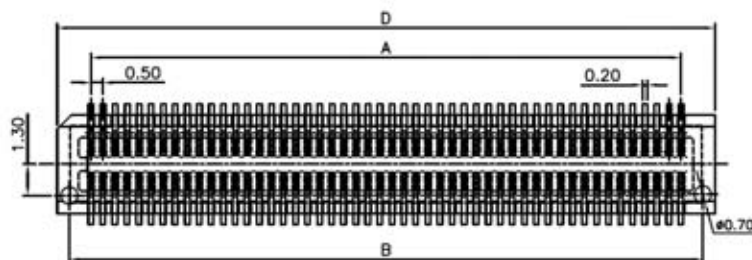
MATERIALS

Contact: Phosphor Bronze

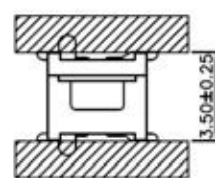
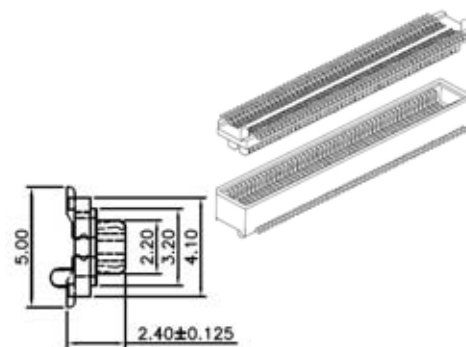
Contact Plating: Gold

Insulator: HTN (UL 94V-0)

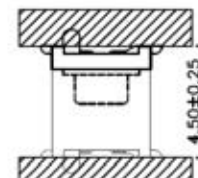
* RoHS & REACH compliant.



Recommended P.C.Board Layout



Mating Drawing 1



Mating Drawing 2

Contacts Dimensions				
No. of Position	A	B	C	D
020	4.50	6.30	5.50	7.30
030	7.00	8.80	8.00	9.80
040	9.50	11.30	10.50	12.30
050	12.00	13.80	13.00	14.80
060	14.50	16.30	15.50	17.30
070	17.00	18.80	18.00	19.80
080	19.50	21.30	20.50	22.30
090	22.00	23.80	23.00	24.80
100	24.50	26.30	25.50	27.30

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
3.50MM	050M3-xxxGB-x	050F3-xxxGB-x
4.50MM	050M3-xxxGB-x	050F4-xxxGB-x

ORDERING INFORMATION:

P/N 050 M3 - xxx GB - x

- BODY HEIGHT:
"M3" H= 2.40MM
- NO. OF CONTACTS:
020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

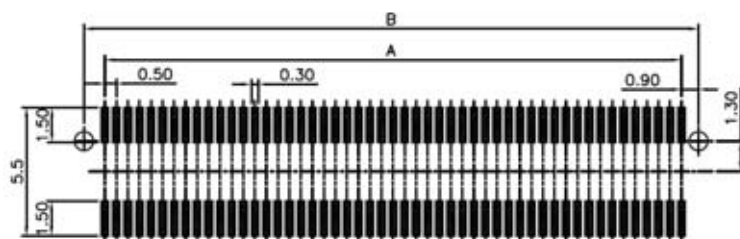
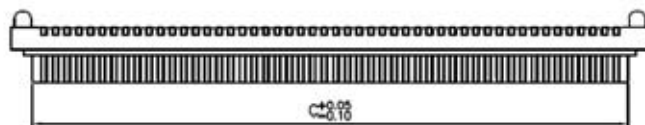
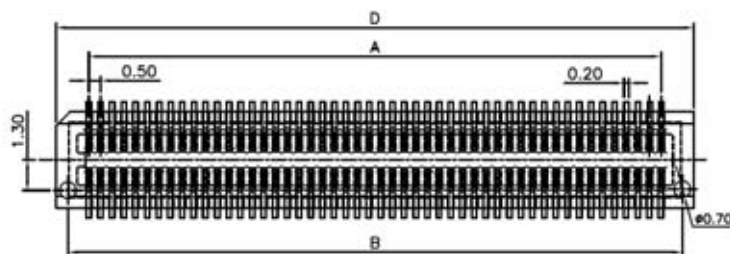
0.50MM(0.0197") BOARD-TO-BOARD SMT PLUG (D8)

SPECIFICATIONS

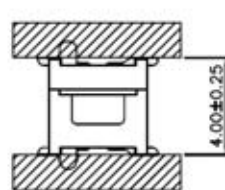
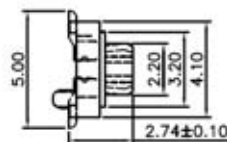
Rating Current: 0.5 Amperes
Insulation Resistance: 100MΩ Min.
Withstanding Voltage: 500V AC
Contact Resistance: 40mΩ Max.
Operating Temperature: -20°C to +105°C

MATERIALS

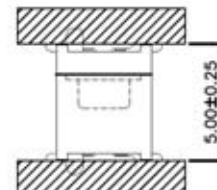
Contact: Phosphor Bronze
Contact Plating: Gold
Insulator: HTN (UL 94V-0)
*** RoHS & REACH compliant.**



Recommended P.C.Board Layout



Mating Drawing 1



Mating Drawing 2

Contacts Dimensions				
No. of Position	A	B	C	D
020	4.50	6.30	5.50	7.30
030	7.00	8.80	8.00	9.80
040	9.50	11.30	10.50	12.30
050	12.00	13.80	13.00	14.80
060	14.50	16.30	15.50	17.30
070	17.00	18.80	18.00	19.80
080	19.50	21.30	20.50	22.30
090	22.00	23.80	23.00	24.80
100	24.50	26.30	25.50	27.30

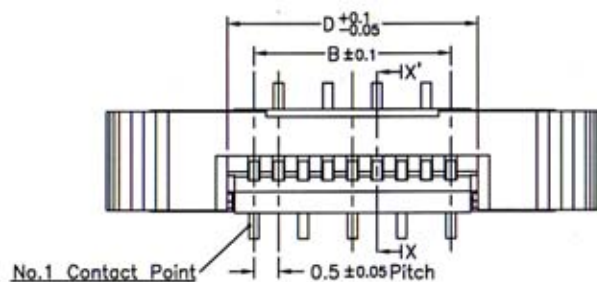
STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
4.00MM	050M4-xxxGB-x	050F3-xxxGB-x
5.00MM	050M4-xxxGB-x	050F4-xxxGB-x

ORDERING INFORMATION:

P/N 0 5 0 M4 - xxx G B - x

- BODY HEIGHT:
"M4" H= 2.74MM
- NO. OF CONTACTS:
020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR STANDARD MOUNT TOP ENTRY SMT TYPE (1)



DIMENSIONS:

$B = 0.5 \times (\text{No. of Contacts} - 1)$

$A = (\text{DIM. B}) + 4.5$

$C = (\text{DIM. B}) + 6.0$

$D = (\text{DIM. B}) + 1.1$

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

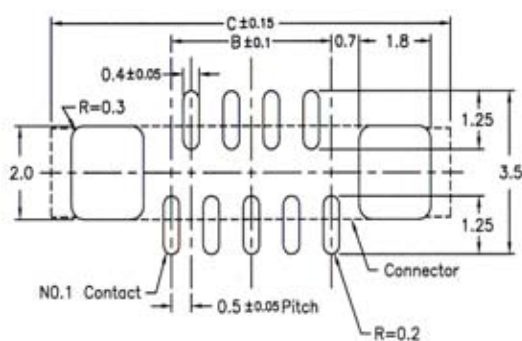
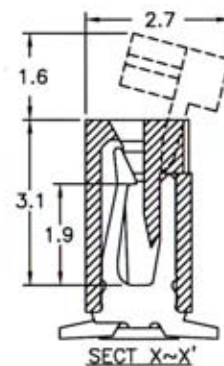
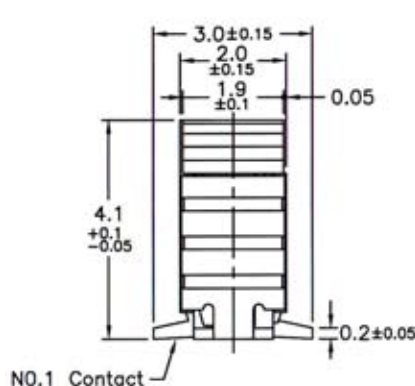
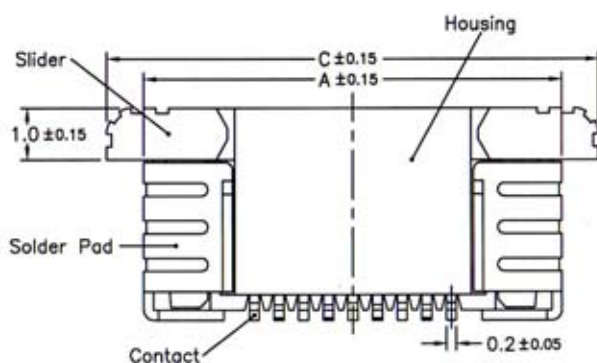
MATERIALS

Insulator: Thermoplastic, UL94V-0

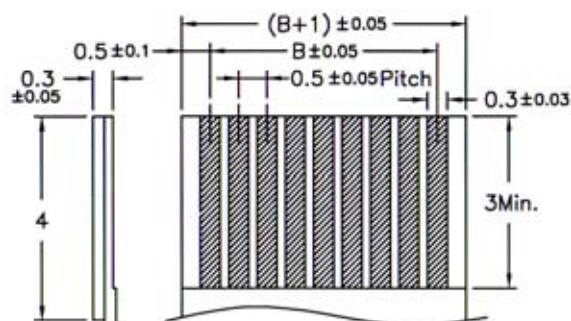
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

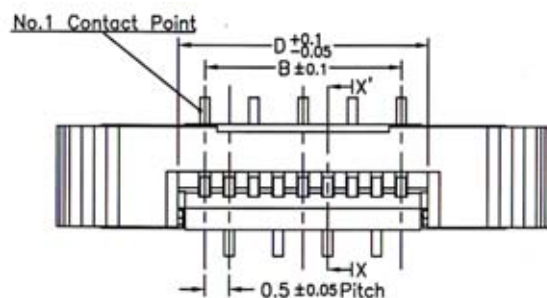


ORDERING INFORMATION:

P/N 0 5 0 $\frac{x}{1} \frac{x}{2}$ T W - $\frac{x}{3}$

1. CONNECTOR TYPE:
"FA" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 ~ 050
3. PACKAGE OPTION:
"Q" WITH PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR SPECIAL MOUNT TOP ENTRY SMT TYPE (2)



DIMENSIONS:
 $B = 0.5 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. B}) + 4.5$
 $C = (\text{DIM. B}) + 6.0$
 $D = (\text{DIM. B}) + 1.1$

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

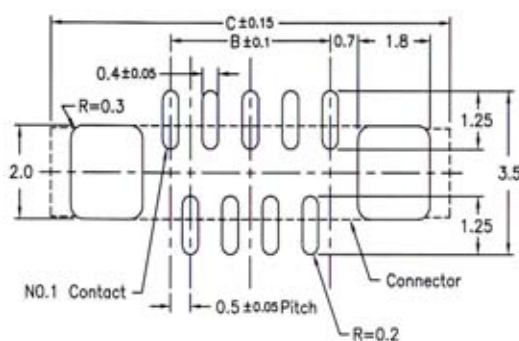
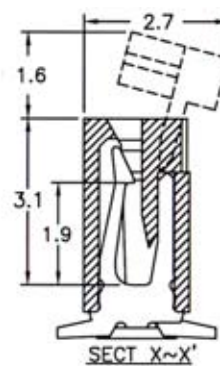
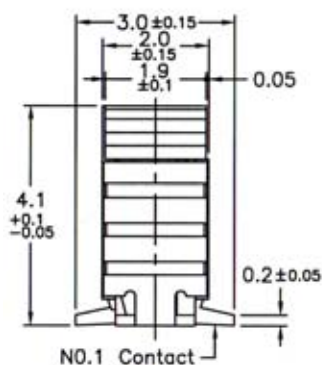
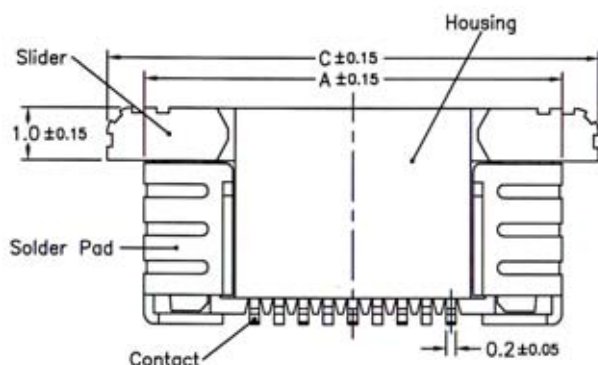
MATERIALS

Insulator: Thermoplastic, UL94V-0

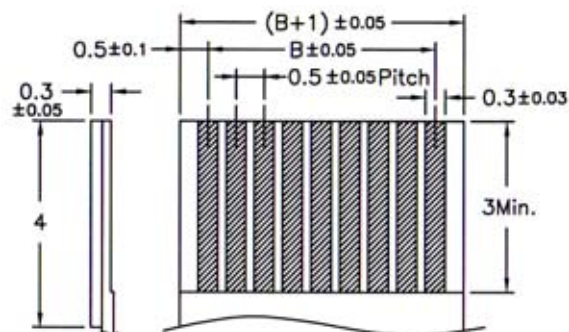
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

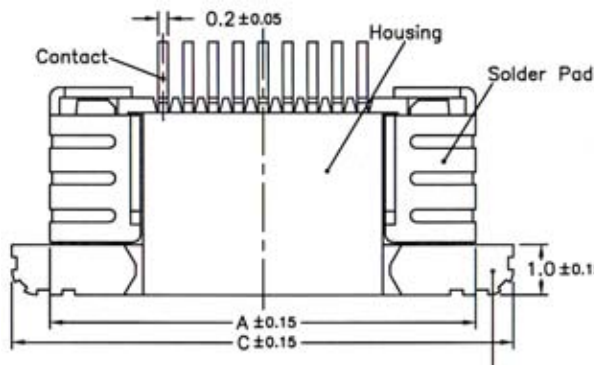


ORDERING INFORMATION:

P/N 050 $\frac{x}{1} \frac{x}{2} TW - \frac{x}{3}$

1. CONNECTOR TYPE:
"FB" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 ~ 050
3. PACKAGE OPTION:
"Q" WITH PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR SIDE ENTRY TOP CONTACT SMT TYPE



DIMENSIONS:
 $B = 0.5 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. B}) + 4.5$
 $C = (\text{DIM. B}) + 6.0$
 $D = (\text{DIM. B}) + 1.1$

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to $+85^\circ\text{C}$

MATERIALS

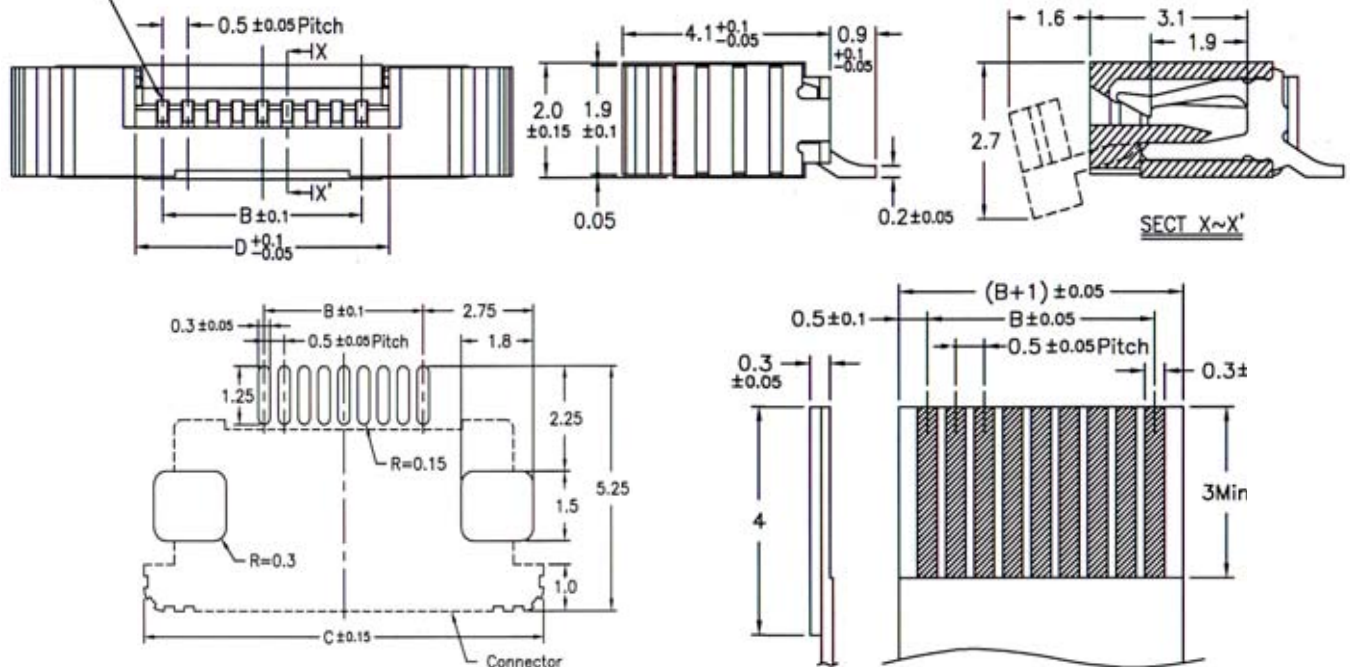
Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

No.1 Contact Point



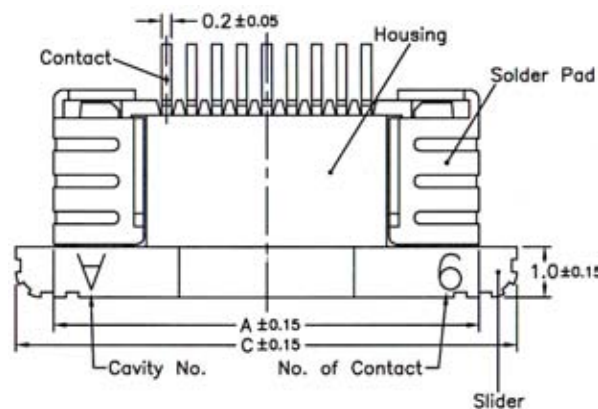
Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 050 $\frac{xx}{1} - \frac{xxx}{2}$ TW - $\frac{x}{3}$

1. CONNECTOR TYPE:
"FE" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 ~ 050
3. PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR SIDE ENTRY BOTTOM CONTACT SMT TYPE



DIMENSIONS:

$B = 0.5 \times (\text{No. of Contacts} - 1)$

$A = (\text{DIM. B}) + 4.5$

$C = (\text{DIM. B}) + 6.0$

$D = (\text{DIM. B}) + 1.1$

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to $+85^{\circ}\text{C}$

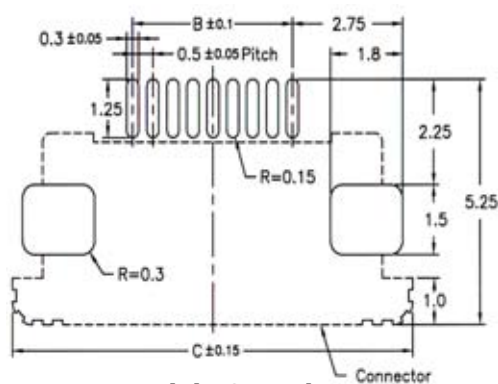
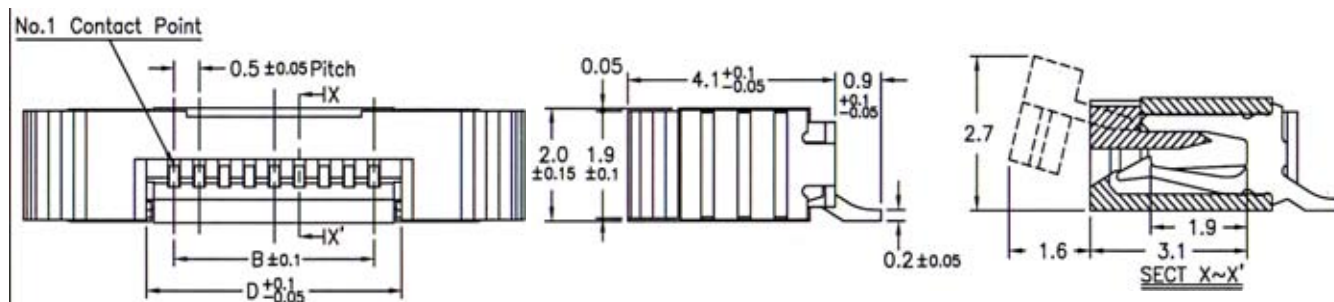
MATERIALS

Insulator: Thermoplastic, UL94V-0

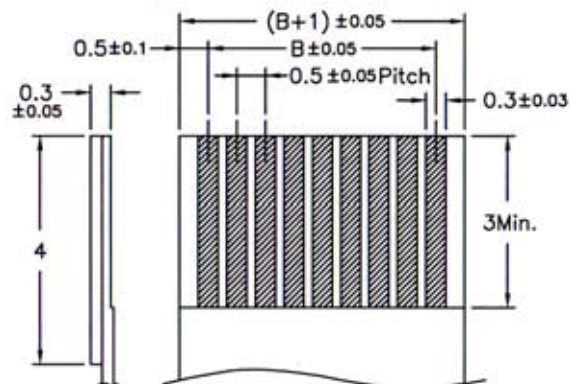
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C. Board Layout

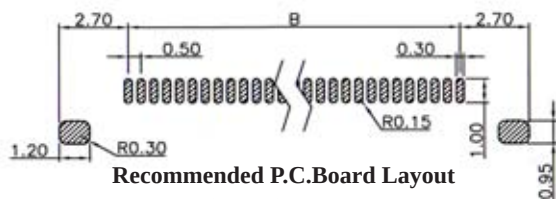
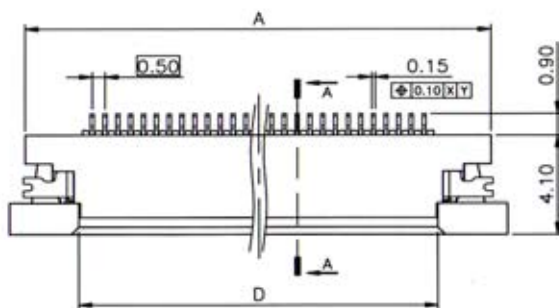
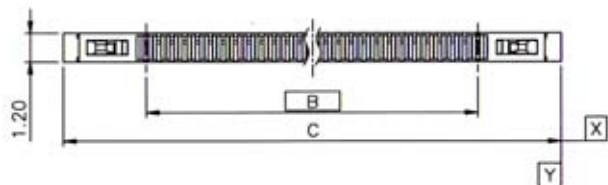


ORDERING INFORMATION:

P/N 0 5 0 $\frac{x}{1}x - \frac{x}{2}xx$ T W - $\frac{x}{3}$

1. CONNECTOR TYPE:
"FF" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 ~ 050
3. PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR SMT TYPE



Recommended P.C.Board Layout

DIMENSIONS:

A = (No. of Contacts/Row - 1) x 0.5 + 5.25
 B = (No. of Contacts/Row - 1) x 0.5
 C = (No. of Contacts/Row - 1) x 0.5 + 6.5
 D = (No. of Contacts/Row - 1) x 0.5 + 1.07

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 125°C

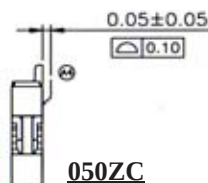
MATERIALS

Insulator: Polyester, UL94V-0

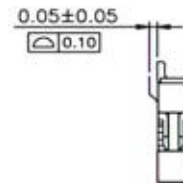
Nylon 6T

Contacts: Phosphor Bronze

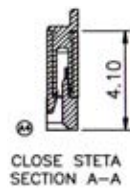
All materials must be RoHS compliant.



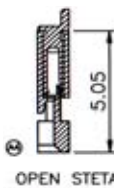
050ZC



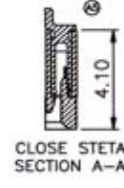
050ZD



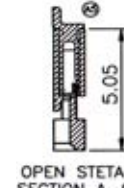
CLOSE STETA
SECTION A-A



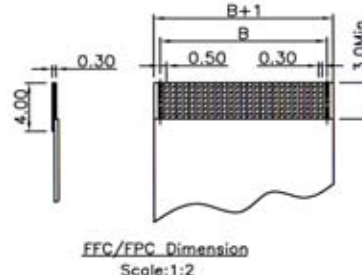
OPEN STETA
SECTION A-A



CLOSE STETA
SECTION A-A



OPEN STETA
SECTION A-A



FFC/FPC Dimension
Scale:1:2

ORDERING INFORMATION:

P/N 050 $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{T}{4} B - \frac{x}{4}$

1. CONTACT TYPE:

"ZC" TOP CONTACT

"ZD" BOTTOM CONTACT

2. NO. OF CONTACTS:

004 ~ 050

3. CONTACT FINISH:

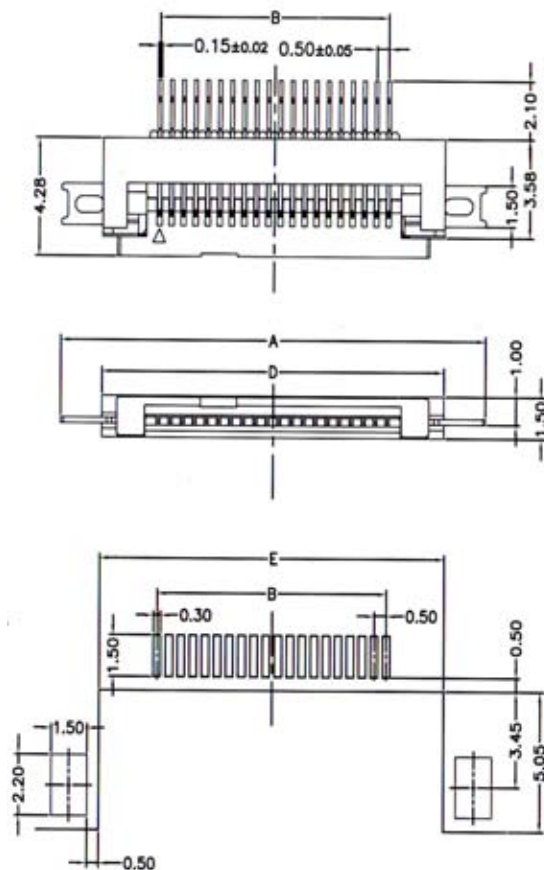
"T" FULL TIN PLATED

4. PACKAGE OPTION:

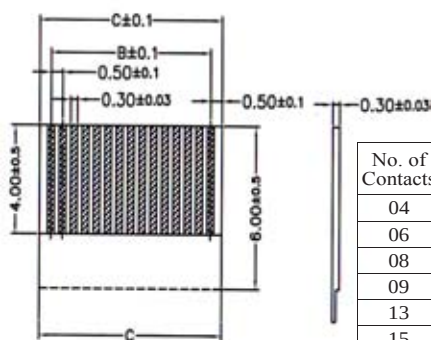
"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR FLIP LOCK TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 90mΩ Max.

Operating Temperature: -90°C to +125°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon 6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
04	9.63	1.50	2.50	6.20	6.70
06	10.63	2.50	3.50	7.20	7.70
08	11.63	2.50	4.50	8.20	8.70
09	12.13	4.00	5.00	8.70	9.20
13	14.13	6.00	7.00	10.70	11.20
15	15.13	7.00	8.00	11.70	12.20
17	16.13	8.00	9.00	12.70	13.20
20	17.63	9.50	10.50	14.20	14.70
21	18.13	10.00	11.00	14.70	15.20
24	19.63	11.50	12.50	16.20	16.70
27	20.13	13.00	14.00	17.70	18.20
30	22.63	14.50	15.50	19.20	19.70
40	27.63	19.50	20.50	24.20	24.70
50	32.63	24.50	25.50	29.20	29.70

ORDERING INFORMATION:

P/N 050 $\frac{x}{1}x - \frac{x}{2}x \frac{x}{3}x B - \frac{x}{4}$

1. FFC/FPC THICKNESS:

"ZE" FOR 0.2MM THICK FFC/FPC

"ZF" FOR 0.3MM THICK FFC/FPC

2. NO. OF CONTACTS:

004 ~ 050

3. CONTACT FINISH:

"T" FULL TIN PLATED (STANDARD)

"G" FULL GOLD PLATED

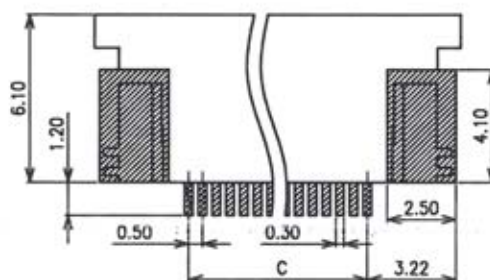
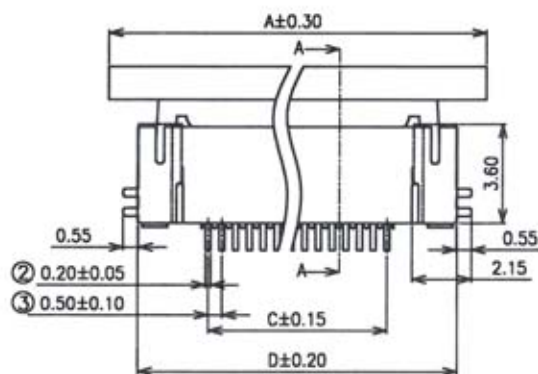
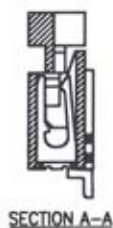
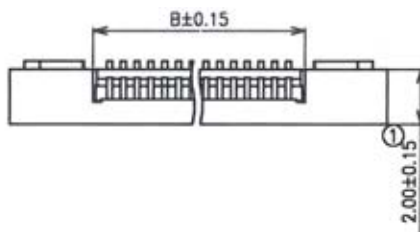
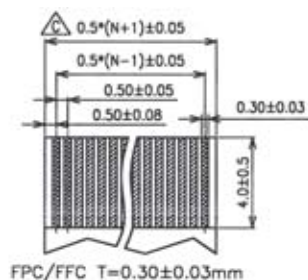
"S" SELECTIVE GOLD PLATED

4. PACKAGE OPTION:

"0" BULK PACKAGE

"R" W/O PAD IN TAPE & REEL

0.50MM (0.020") FFC/FPC ZIF CONNECTOR LOCK LOWER CONTACT RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 A

Dielectric Strength: 250V AC Min.

Insulator Resistance: 100 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -25°C to +85°C

MATERIALS

Housing: Thermoplastic High Temp.

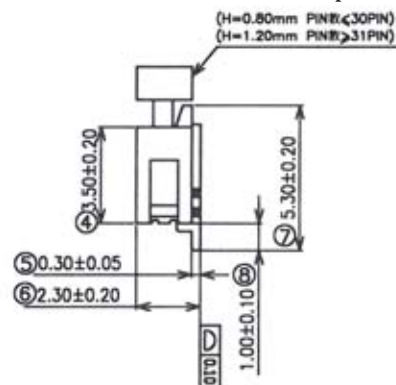
UL94V-0

Actuator: Thermoplastic High Temp.

UL94V-0

Contact: Phosphor Bronze

All materials must be RoHS compliant.



$$A = C + 7.20$$

$$B = C + 1.20$$

$$C = (\text{NO. OF CONTACTS} - 1) \times 0.5$$

$$D = C + 5.10$$

ORDERING INFORMATION:

P/N 050 BN - xxx T W - x
1 2 3 4

1. CONNECTOR TYPE:
"BN" LOCK LOWER CONTACT
2. NO. OF CONTACTS:
004 ~ 061
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL

0.50MM(0.020") FPC/FFC ZIF CONNECTOR SINGLE CONTACT VERTICAL SMT STANDARD TYPE

MATERIALS

Housing: PA46 UL94V-0, Natural

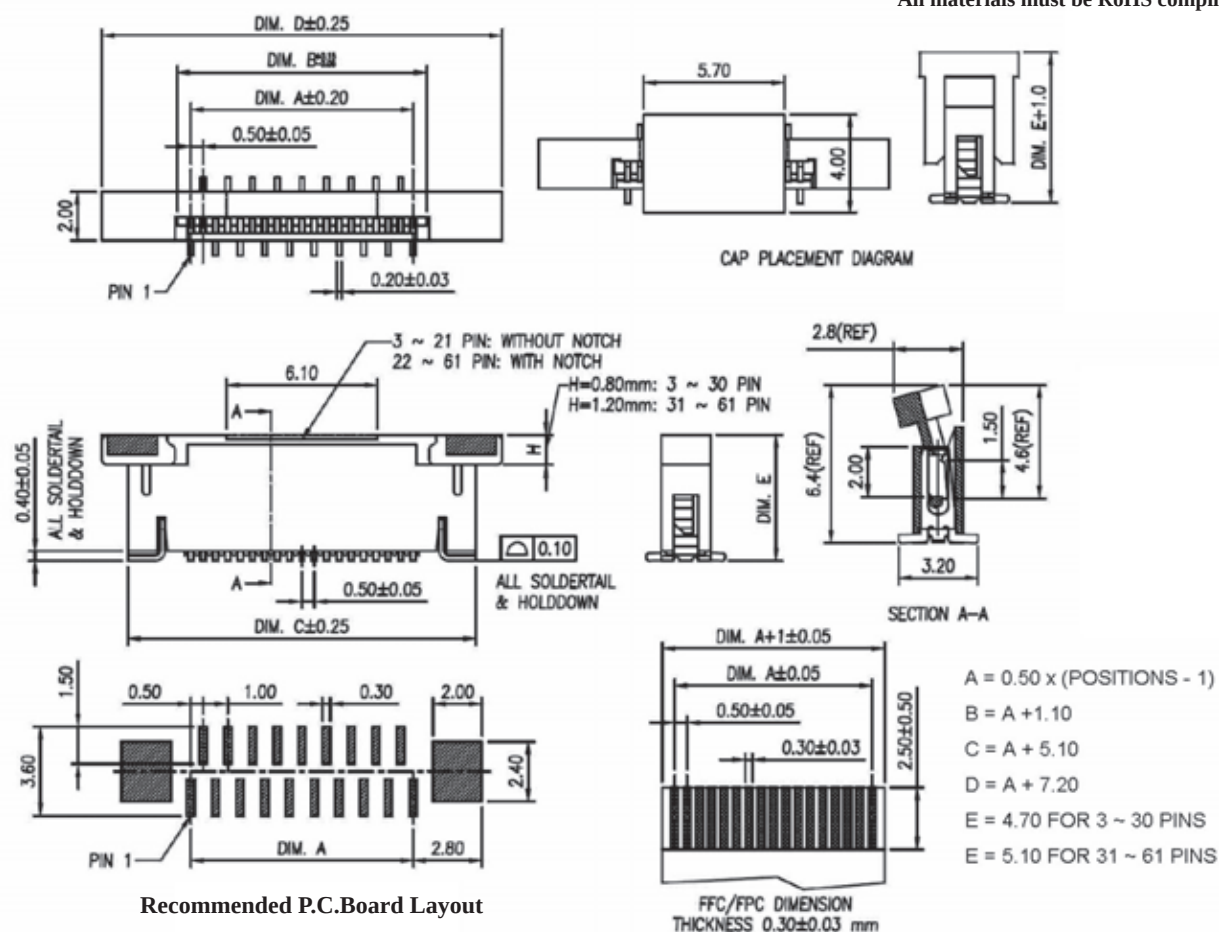
Actuator: PA9T UL94V-0, Black

Terminal: Phosphor Bronze

Holddown: Bronze

Cap: LCP UL94V-0, Black

All materials must be RoHS compliant.



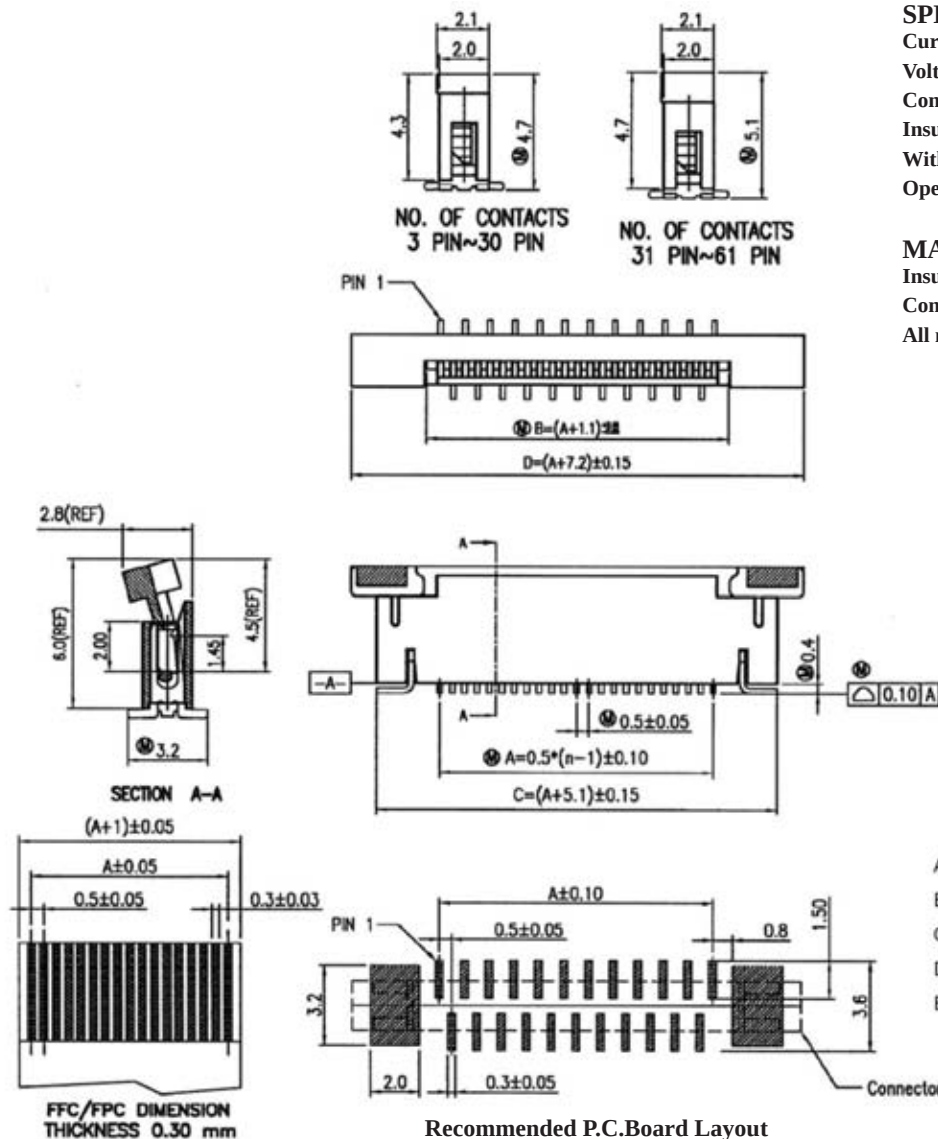
ORDERING INFORMATION:

P/N 050 ZK - xxx TW - x

1 2 3 4

1. CONTACT TYPE:
"ZK" STANDARD TYPE
2. NO. OF CONTACTS:
003 ~ 061
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

0.50MM(0.020") FPC/FFC ZIF CONNECTOR SINGLE CONTACT VERTICAL SMT SPECIAL TYPE



SPECIFICATIONS

Current Rating: 0.5 A

Voltage: 50V

Contact Resistance: 20mΩ Max.

Insulator Resistance: 50MΩ Min.

Withstanding Voltage: 250V AC

Operating Temperature: -20°C to +85°C

MATERIALS

Insulator: High-Temp

Contact: Phosphor Bronze

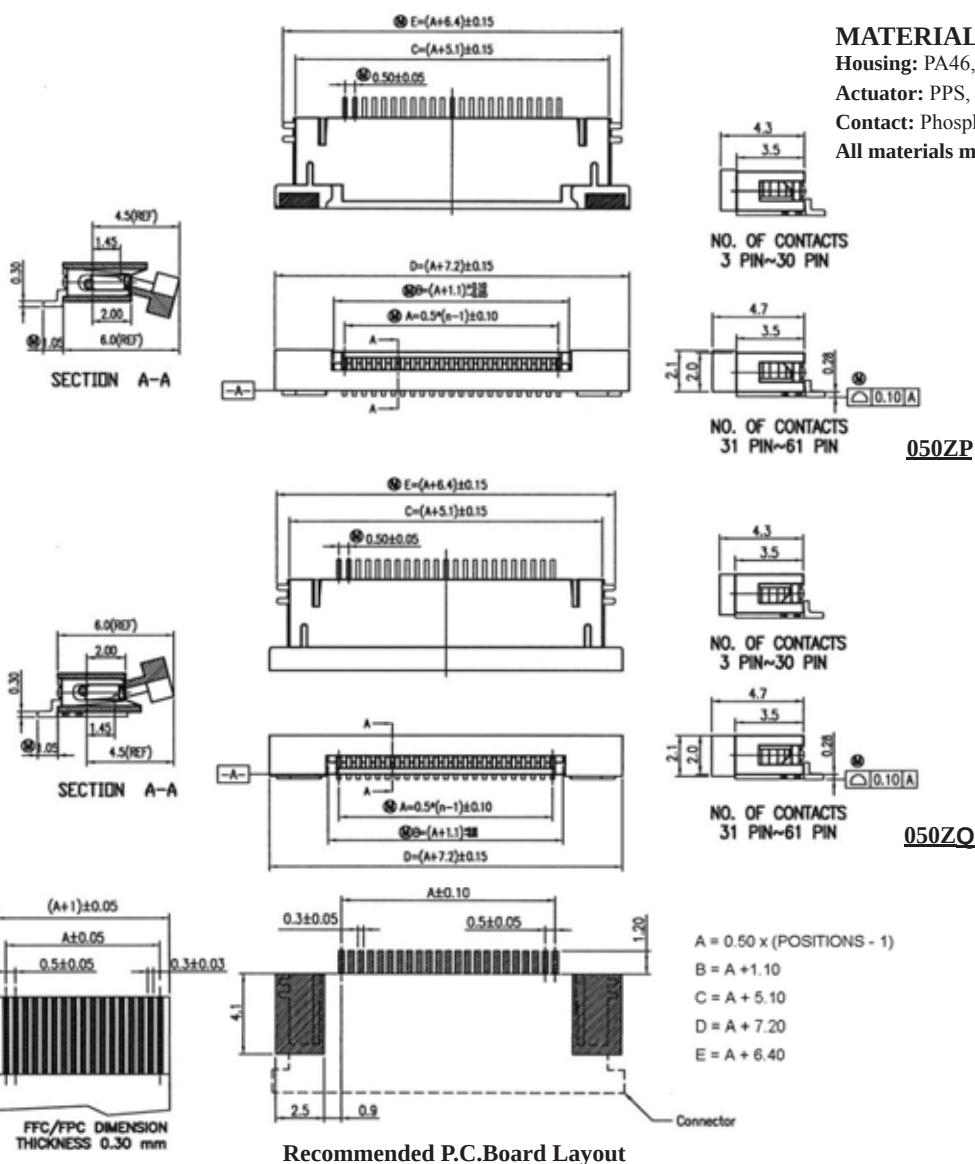
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 050 ZL - x x x T W - x
1 2 3 4

- CONTACT TYPE:
"ZL" SPECIAL TYPE
- NO. OF CONTACTS:
003 ~ 061
- CONTACT FINISH:
"T" FULL TIN PLATED
- PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL
"R" W/O PAD IN TAPE & REEL

0.50MM(0.020") FPC/FFC ZIF CONNECTOR RIGHT ANGLE SMT TYPE



MATERIALS

Housing: PA46, White

Actuator: PPS, Black

Contact: Phosphor Bronze

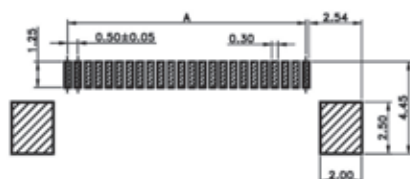
All materials must be RoHS compliant.

ORDERING INFORMATION:

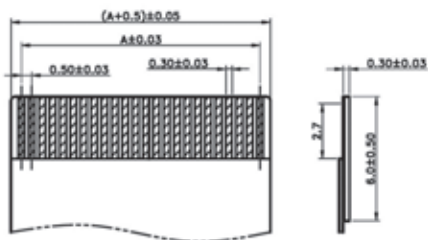
P/N 050 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{T}{3}$ W - $\frac{X}{4}$

- CONTACT TYPE:
"ZP" UPPER CONTACT
"ZQ" LOWER CONTACT
- NO. OF CONTACTS:
003 ~ 061
- CONTACT FINISH:
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECOTR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout



RECOMMENDED FPC/FFC DIM.

SPECIFICATIONS

Current Rating: 0.4A AC/DC

Withstanding Voltage: 200V AC/Minute

Insulation Resistance: 500MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

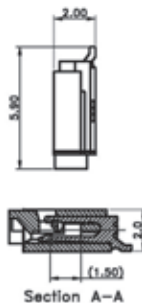
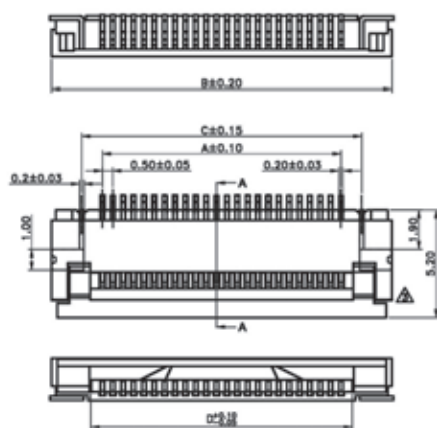
Contact: Phosphor Bronze, Matte-Tin Plated

Nail: Brass, Matte-Tin Plated

Housing: LCP, UL94V-0

Cover: LCP, UL94V-0

All materials must be RoHS compliant.



Section A-A

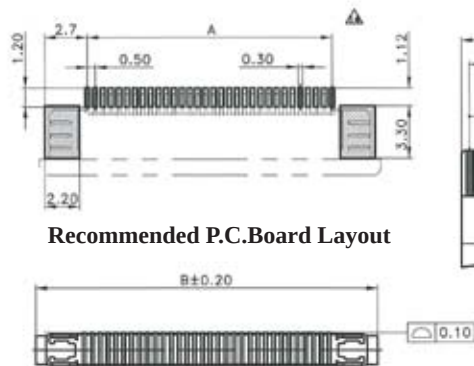
NO. OF CONTACTS	DIMENSIONS(MM)				NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D		A	B	C	D
04	1.50	6.40	3.50	2.60	33	16.00	20.90	18.00	17.10
05	2.00	6.90	4.00	3.10	34	16.50	21.40	18.50	17.60
06	2.50	7.40	4.50	3.60	35	17.00	21.90	19.00	18.10
07	3.00	7.90	5.00	4.10	36	17.50	22.40	19.50	18.60
08	3.50	8.40	5.50	4.60	37	18.00	22.90	20.00	19.10
09	4.00	8.90	6.00	5.10	38	18.50	23.40	20.50	19.60
10	4.50	9.40	6.50	5.60	39	19.00	23.90	21.00	20.10
11	5.00	9.90	7.00	6.10	40	19.50	24.40	21.50	20.60
12	5.50	10.40	7.50	6.60	41	20.00	24.90	22.00	21.10
13	6.00	10.90	8.00	7.10	42	20.50	25.40	22.50	21.60
14	6.50	11.40	8.50	7.60	43	21.00	25.90	23.00	22.10
15	7.00	11.90	9.00	8.10	44	21.50	26.40	23.50	22.60
16	7.50	12.40	9.50	8.60	45	22.00	26.90	24.00	23.10
17	8.00	12.90	10.00	9.10	46	22.50	27.40	24.50	23.60
18	8.50	13.40	10.50	9.60	47	23.00	27.90	25.00	24.10
19	9.00	13.90	11.00	10.10	48	23.50	28.40	25.50	24.60
20	9.50	14.40	11.50	10.60	49	24.00	28.90	26.00	25.10
21	10.00	14.90	12.00	11.10	50	24.50	29.40	26.50	25.60
22	10.50	15.40	12.50	11.60	51	25.00	29.90	27.00	26.10
23	11.00	15.90	13.00	12.10	52	25.50	30.40	27.50	26.60
24	11.50	16.40	13.50	12.60	53	26.00	30.90	28.00	27.10
25	12.00	16.90	14.00	13.10	54	26.50	31.40	28.50	27.60
26	12.50	17.40	14.50	13.60	55	27.00	31.90	29.00	28.10
27	13.00	17.90	15.00	14.10	56	27.50	32.40	29.50	28.60
28	13.50	18.40	15.50	14.60	57	28.00	32.90	30.00	29.10
29	14.00	18.90	16.00	15.10	58	28.50	33.40	30.50	29.60
30	14.50	19.40	16.50	15.60	59	29.00	33.90	31.00	30.10
31	15.00	19.90	17.00	16.10	60	29.50	34.40	31.50	30.60
32	15.50	20.40	17.50	16.60					

ORDERING INFORMATION:

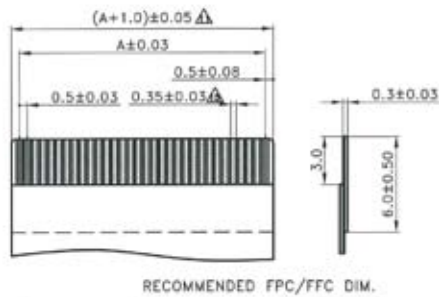
P/N 050 ZY - xxx TW - R
1 2 3

1. CONNECTOR TYPE:
"ZY" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 ~ 060
3. PACKAGE TYPE:
"R" TAPE & REEL

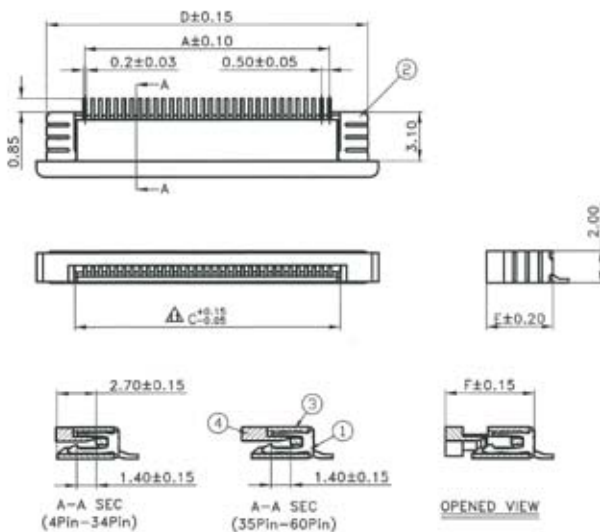
0.50MM FFC/FPC ZIF CONNECOTR RIGHT ANGLE SMT TYPE WITH LOWER CONTACTS



Recommended P.C.Board Layout



RECOMMENDED FPC/FFC DIM.



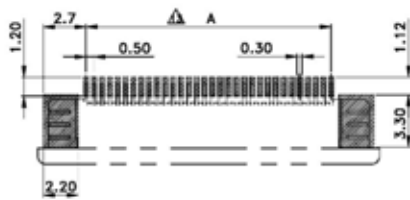
NO. OF CONTACTS	DIMENSIONS(MM)						NO. OF CONTACTS	DIMENSIONS(MM)					
	A	B	C	D	E	F		A	B	C	D	E	F
04	1.50	7.60	2.60	6.50			33	16.00	22.10	17.10	21.00	4.35	5.60
05	2.00	8.10	3.10	7.00			34	16.50	22.60	17.60	21.50		
06	2.50	8.60	3.60	7.50			35	17.00	23.10	18.10	22.00		
07	3.00	9.10	4.10	8.00			36	17.50	23.60	18.60	22.50		
08	3.50	9.60	4.60	8.50			37	18.00	24.10	19.10	23.00		
09	4.00	10.10	5.10	9.00			38	18.50	24.60	19.60	23.50		
10	4.50	10.60	5.60	9.50			39	19.00	25.10	20.10	24.00		
11	5.00	11.10	6.10	10.00			40	19.50	25.60	20.60	24.50		
12	5.50	11.60	6.60	10.50			41	20.00	26.10	21.10	25.00		
13	6.00	12.10	7.10	11.00			42	20.50	26.60	21.60	25.50		
14	6.50	12.60	7.60	11.50			43	21.00	27.10	22.10	26.00		
15	7.00	13.10	8.10	12.00			44	21.50	27.60	22.60	26.50		
16	7.50	13.60	8.60	12.50			45	22.00	28.10	23.10	27.00		
17	8.00	14.10	9.10	13.00			46	22.50	28.60	23.60	27.50		
18	8.50	14.60	9.60	13.50	4.35	5.60	47	23.00	29.10	24.10	28.00	4.90	6.15
19	9.00	15.10	10.10	14.00			48	23.50	29.60	24.60	28.50		
20	9.50	15.60	10.60	14.50			49	24.00	30.10	25.10	29.00		
21	10.00	16.10	11.10	15.00			50	24.50	30.60	25.60	29.50		
22	10.50	16.60	11.60	15.50			51	25.00	31.10	26.10	30.00		
23	11.00	17.10	12.10	16.00			52	25.50	31.60	26.60	30.50		
24	11.50	17.60	12.60	16.50			53	26.00	32.10	27.10	31.00		
25	12.00	18.10	13.10	17.00			54	26.50	32.60	27.60	31.50		
26	12.50	18.60	13.60	17.50			55	27.00	33.10	28.10	32.00		
27	13.00	19.10	14.10	18.00			56	27.50	33.60	28.60	32.50		
28	13.50	19.60	14.60	18.50			57	28.00	34.10	29.10	33.00		
29	14.00	20.10	15.10	19.00			58	28.50	34.60	29.60	33.50		
30	14.50	20.60	15.60	19.50			59	29.00	35.10	30.10	34.00		
31	15.00	21.10	16.10	20.00			60	29.50	35.60	30.60	34.50		
32	15.50	21.60	16.60	20.50									

ORDERING INFORMATION:

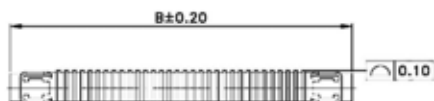
P/N 0 5 0 Z W - x x x T W - R

- CONNECTOR TYPE:
"ZW" RIGHT ANGLE SMT TYPE
WITH LOWER CONTACTS
- NO. OF CONTACTS:
004 ~ 060
- PACKAGE TYPE:
"R" TAPE & REEL

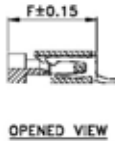
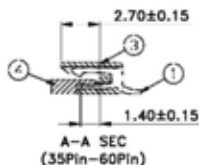
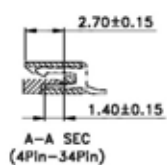
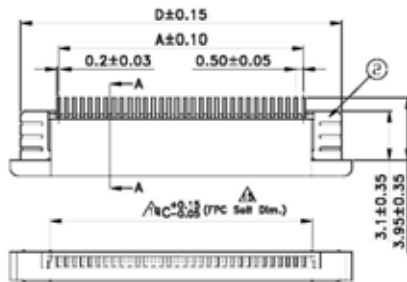
0.50MM FFC/FPC ZIF CONNECOTR RIGHT ANGLE SMT TYPE WITH UPPER CONTACTS



Recommended P.C.Board Layout



RECOMMENDED FPC/FFC DIM.



OPENED VIEW

SPECIFICATIONS

Current Rating: 0.4A AC/DC

Withstanding Voltage: 200V AC/Minute

Insulation Resistance: 500MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Contact: Phosphor Bronze, Matte-Tin Plated

Nail: Brass, Matte-Tin Plated

Housing: LCP, Nature

Cover: LCP, Black

All materials must be RoHS compliant.

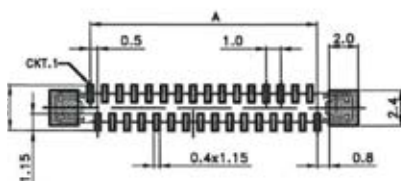
NO. OF CONTACTS	DIMENSIONS(MM)						NO. OF CONTACTS	DIMENSIONS(MM)					
	A	B	C	D	E	F		A	B	C	D	E	F
04	1.50	7.60	2.60	6.50			33	16.00	22.10	17.10	21.00	4.35	5.60
05	2.00	8.10	3.10	7.00			34	16.50	22.60	17.60	21.50		
06	2.50	8.60	3.60	7.50			35	17.00	23.10	18.10	22.00		
07	3.00	9.10	4.10	8.00			36	17.50	23.60	18.60	22.50		
08	3.50	9.60	4.60	8.50			37	18.00	24.10	19.10	23.00		
09	4.00	10.10	5.10	9.00			38	18.50	24.60	19.60	23.50		
10	4.50	10.60	5.60	9.50			39	19.00	25.10	20.10	24.00		
11	5.00	11.10	6.10	10.00			40	19.50	25.60	20.60	24.50		
12	5.50	11.60	6.60	10.50			41	20.00	26.10	21.10	25.00		
13	6.00	12.10	7.10	11.00			42	20.50	26.60	21.60	25.50		
14	6.50	12.60	7.60	11.50			43	21.00	27.10	22.10	26.00		
15	7.00	13.10	8.10	12.00			44	21.50	27.60	22.60	26.50		
16	7.50	13.60	8.60	12.50			45	22.00	28.10	23.10	27.00		
17	8.00	14.10	9.10	13.00			46	22.50	28.60	23.60	27.50		
18	8.50	14.60	9.60	13.50	4.35	5.60	47	23.00	29.10	24.10	28.00	4.90	6.15
19	9.00	15.10	10.10	14.00			48	23.50	29.60	24.60	28.50		
20	9.50	15.60	10.60	14.50			49	24.00	30.10	25.10	29.00		
21	10.00	16.10	11.10	15.00			50	24.50	30.60	25.60	29.50		
22	10.50	16.60	11.60	15.50			51	25.00	31.10	26.10	30.00		
23	11.00	17.10	12.10	16.00			52	25.50	31.60	26.60	30.50		
24	11.50	17.60	12.60	16.50			53	26.00	32.10	27.10	31.00		
25	12.00	18.10	13.10	17.00			54	26.50	32.60	27.60	31.50		
26	12.50	18.60	13.60	17.50			55	27.00	33.10	28.10	32.00		
27	13.00	19.10	14.10	18.00			56	27.50	33.60	28.60	32.50		
28	13.50	19.60	14.60	18.50			57	28.00	34.10	29.10	33.00		
29	14.00	20.10	15.10	19.00			58	28.50	34.60	29.60	33.50		
30	14.50	20.60	15.60	19.50			59	29.00	35.10	30.10	34.00		
31	15.00	21.10	16.10	20.00			60	29.50	35.60	30.60	34.50		
32	15.50	21.60	16.60	20.50									

ORDERING INFORMATION:

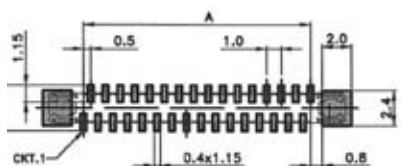
P/N 050 ZV - xxx TW - R
1 2 3

- CONNECTOR TYPE:
"ZV" RIGHT ANGLE SMT TYPE
WITH UPPER CONTACTS
- NO. OF CONTACTS:
004 ~ 060
- PACKAGE TYPE:
"R" TAPE & REEL

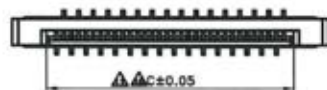
0.50MM FFC/FPC ZIF CONNECOTR



Recommended P.C.Board Layout
Special Layout



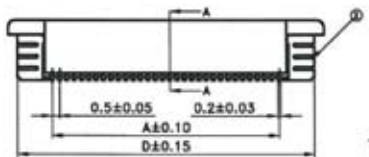
Recommended P.C.Board Layout
Standard Layout



Without or With Mylar
A-A SEC
(6Pin-34Pin)



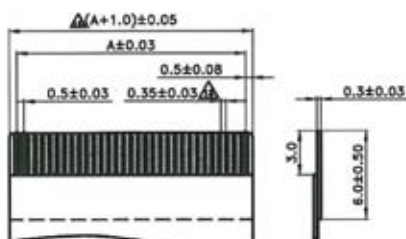
Wide Cover
A-A SEC
(6Pin-34Pin)



Without or With Mylar
A-A SEC
(35Pin-60Pin)



Wide Cover
A-A SEC
(35Pin-60Pin)



RECOMMENDED FFC/FFC DIM.



with Mylar

SPECIFICATIONS

Current Rating: 0.4A AC/DC

Withstanding Voltage: 200V AC/Minute

Insulation Resistance: 500MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Contact: Phosphor Bronze, Mat-Tin Plated

Nail: Brass, Mat-Tin Plated

Housing: LCP, Nature

Cover: LCP, Black

All materials must be RoHS compliant.

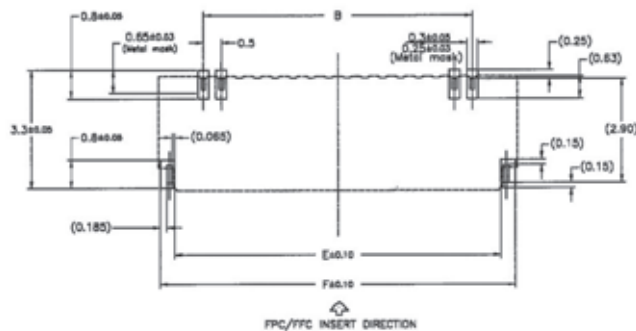
NO. OF CONTACTS	DIMENSIONS(MM)					NO. OF CONTACTS	DIMENSIONS(MM)				
	A	B	C	D	E		A	B	C	D	E
04	1.50	7.60	2.60	6.50		33	16.00	22.10	17.10	21.00	
05	2.00	8.10	3.10	7.00		34	16.50	22.60	17.60	21.50	5.20
06	2.50	8.60	3.60	7.50		35	17.00	23.10	18.10	22.00	
07	3.00	9.10	4.10	8.00		36	17.50	23.60	18.60	22.50	
08	3.50	9.60	4.60	8.50		37	18.00	24.10	19.10	23.00	
09	4.00	10.10	5.10	9.00		38	18.50	24.60	19.60	23.50	
10	4.50	10.60	5.60	9.50		39	19.00	25.10	20.10	24.00	
11	5.00	11.10	6.10	10.00		40	19.50	25.60	20.60	24.50	
12	5.50	11.60	6.60	10.50		41	20.00	26.10	21.10	25.00	
13	6.00	12.10	7.10	11.00		42	20.50	26.60	21.60	25.50	
14	6.50	12.60	7.60	11.50		43	21.00	27.10	22.10	26.00	
15	7.00	13.10	8.10	12.00		44	21.50	27.60	22.60	26.50	
16	7.50	13.60	8.60	12.50		45	22.00	28.10	23.10	27.00	
17	8.00	14.10	9.10	13.00		46	22.50	28.60	23.60	27.50	
18	8.50	14.60	9.60	13.50	5.20	47	23.00	29.10	24.10	28.00	
19	9.00	15.10	10.10	14.00		48	23.50	29.60	24.60	28.50	5.70
20	9.50	15.60	10.60	14.50		49	24.00	30.10	25.10	29.00	
21	10.00	16.10	11.10	15.00		50	24.50	30.60	25.60	29.50	
22	10.50	16.60	11.60	15.50		51	25.00	31.10	26.10	30.00	
23	11.00	17.10	12.10	16.00		52	25.50	31.60	26.60	30.50	
24	11.50	17.60	12.60	16.50		53	26.00	32.10	27.10	31.00	
25	12.00	18.10	13.10	17.00		54	26.50	32.60	27.60	31.50	
26	12.50	18.60	13.60	17.50		55	27.00	33.10	28.10	32.00	
27	13.00	19.10	14.10	18.00		56	27.50	33.60	28.60	32.50	
28	13.50	19.60	14.60	18.50		57	28.00	34.10	29.10	33.00	
29	14.00	20.10	15.10	19.00		58	28.50	34.60	29.60	33.50	
30	14.50	20.60	15.60	19.50		59	29.00	35.10	30.10	34.00	
31	15.00	21.10	16.10	20.00		60	29.50	35.60	30.60	34.50	
32	15.50	21.60	16.60	20.50							

ORDERING INFORMATION:

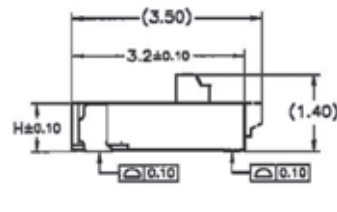
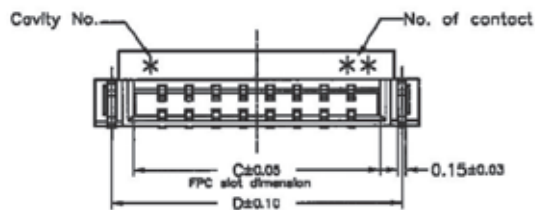
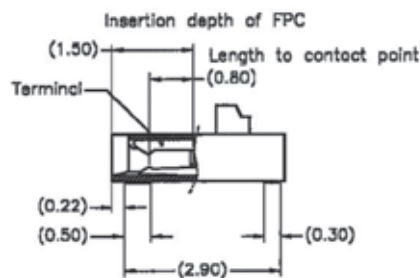
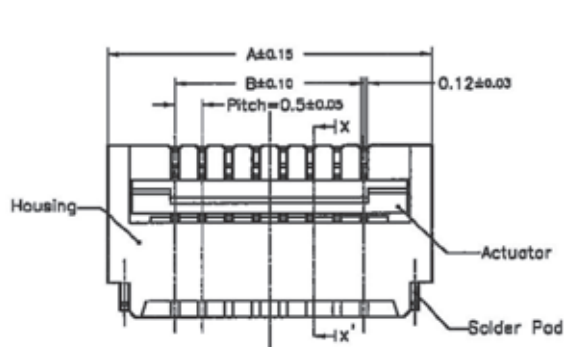
P/N 050 $\frac{xx}{1}$ - $\frac{xxx}{2}$ TW - $\frac{x}{3}$

- CONNECTOR TYPE:
"ZR" STANDARD LAYOUT WITHOUT OR WITH MYLAR
"ZS" STANDARD LAYOUT WITH WIDE COVER
"ZT" SPECIAL LAYOUT WITHOUT OR WITH MYLAR
"ZU" SPECIAL LAYOUT WITH WIDE COVER
- NO. OF CONTACTS:
004 ~ 060
- PACKAGE TYPE:
"R" WITHOUT MYLAR IN TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR RIGHT ANGLE SMT TYPE WITH DOUBLE SIDE CONTACTS



Recommended P.C.Board Layout



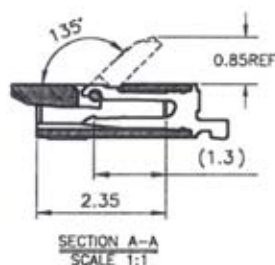
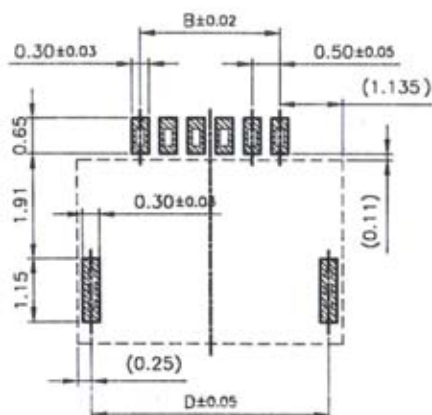
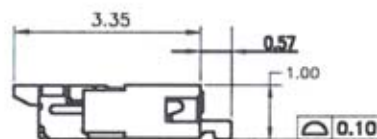
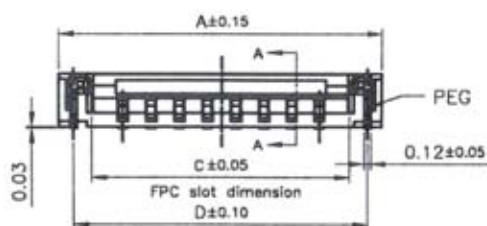
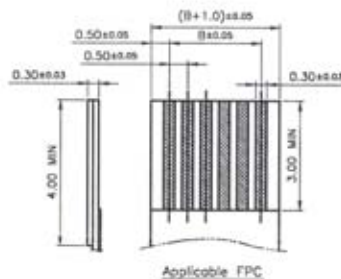
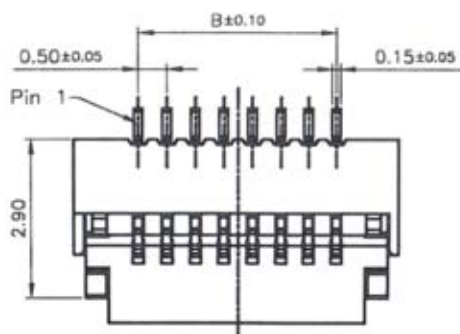
$$\begin{aligned} A &= B + 2.50 \\ B &= 0.50 \times (\text{POSITIONS} - 1) \\ C &= B + 1.07 \\ D &= B + 1.88 \\ E &= B + 1.60 \\ F &= B + 2.40 \\ G &= B + 1.00 \\ H &= 0.90 \text{ FOR } 4 \sim 25 \text{ PINS} \\ &= 0.95 \text{ FOR } 26 \sim 50 \text{ PINS} \end{aligned}$$

ORDERING INFORMATION:

P/N 0 5 0 F U - x x x G x - R
1 2 3 4 5

- CONTACT TYPE:
"FU" BACK FLIP TYPE
- NO. OF CONTACTS:
004 ~ 060
- CONTACT FINISH:
"G" FULL GOLD PLATED
- ACTUATOR COLOR:
"B" BLACK (FOR CABLE t=0.30mm)
"U" BLUE (FOR CABLE t=0.20mm)
- PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

0.50MM (0.020") FFC/FPC ZIF CONNECTOR PIANO TYPE H=1.00MM



A = NO. OF CONTACTS x 0.5 + 1.77

B = NO. OF CONTACTS x 0.5 - 0.50

C = NO. OF CONTACTS x 0.5 + 0.60

D = NO. OF CONTACTS x 0.5 + 1.27

Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 050BA - $\frac{x}{1}$ $\frac{x}{2}$ $\frac{x}{3}$ GW - $\frac{R}{4}$

1. CONNECTOR TYPE:
"BA" H=1.00MM PIANO TYPE
2. NO. OF CONTACTS:
004 ~ 050
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"R" TAPE & REEL

NOTE: P/N 050BA-xxxGW03-R WITH 3u" GOLD PLATED CONTACTS

MATERIALS

Housing: High Temperature Plastic
UL94V-0, Nature

Cover: High Temperature Plastic
UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

0.50MM (0.020") FFC/FPC ZIF CONNECTOR PIANO TYPE H=1.20MM

MATERIALS

Housing: Thermoplastic High Temp.

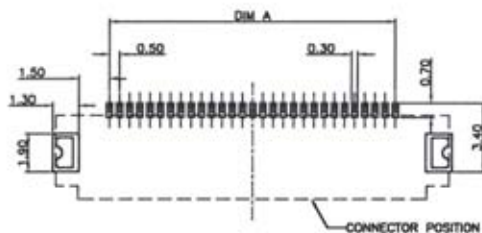
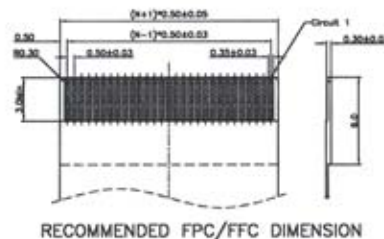
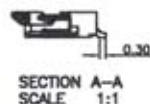
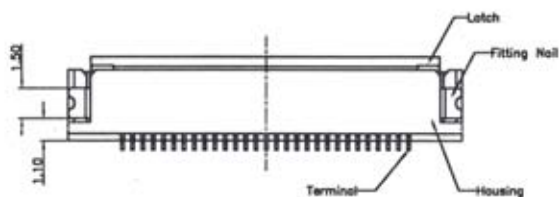
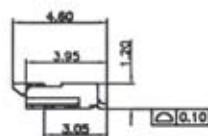
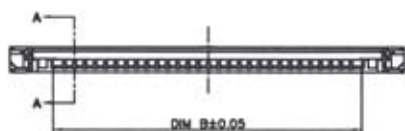
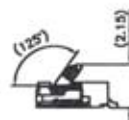
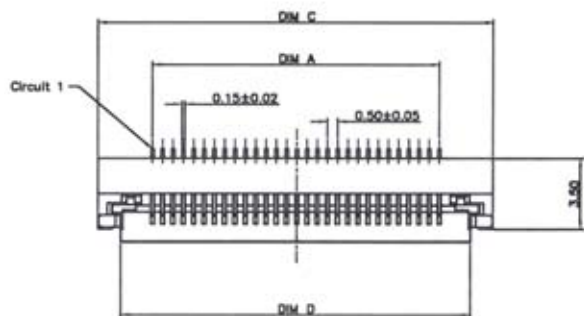
UL94V-0, Nature

Latch: Thermoplastic High Temp.

UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

- A = NO. OF CONTACTS x 0.5 + 0.50
 B = NO. OF CONTACTS x 0.5 + 0.60
 C = NO. OF CONTACTS x 0.5 + 4.80
 D = NO. OF CONTACTS x 0.5 + 2.60

ORDERING INFORMATION:

P/N 050 BB - xxx T W - R
 1 2 3 4

- CONNECTOR TYPE:
"BB" H=1.20MM PIANO TYPE
- NO. OF CONTACTS:
004 ~ 060
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
"R" TAPE & REEL

0.50MM (0.020") FFC/FPC ZIF CONNECTOR PIANO TYPE H=1.50MM

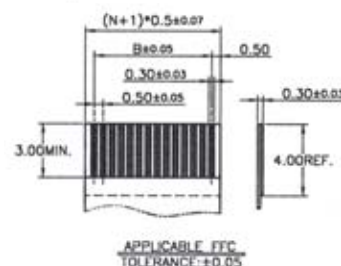
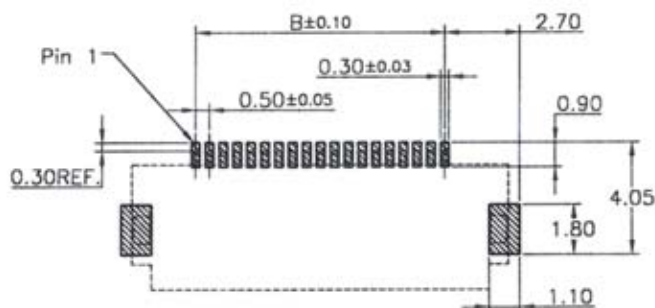
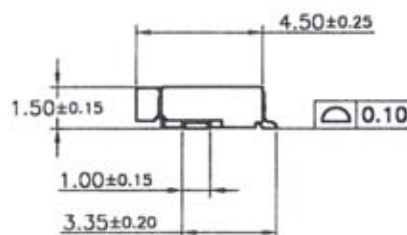
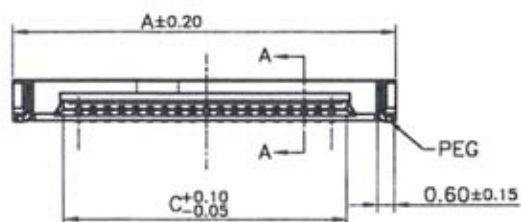
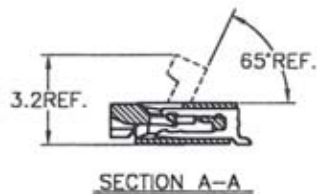
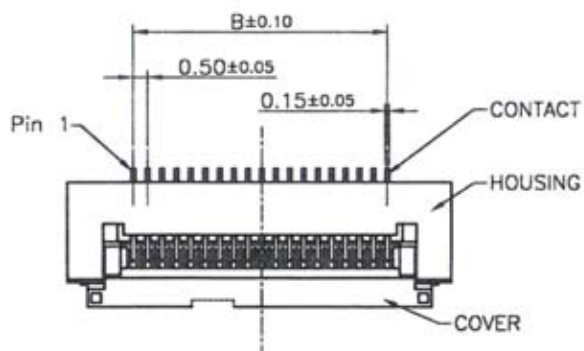
MATERIALS

Housing: High Temperature Plastic
UL94V-0, Nature

Cover: High Temperature Plastic
UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



$$A = B + 4.60$$

$$B = (\text{NO. OF CONTACTS} - 1) \times 0.5$$

$$C = B + 1.07$$

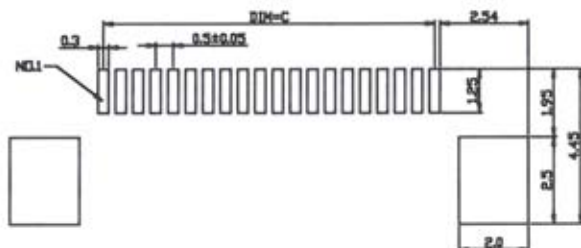
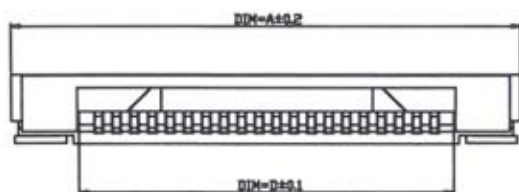
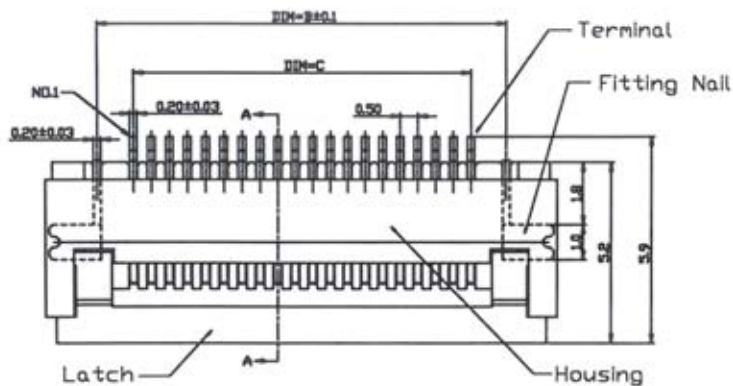
Recommended P.C.Board Layout

ORDERING INFORMATION:

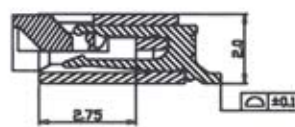
P/N 050 BC - xxx T W - R
1 2 3 4

1. CONNECTOR TYPE:
"BC" H=1.50MM PIANO TYPE
2. NO. OF CONTACTS:
004 ~ 060
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"R" TAPE & REEL

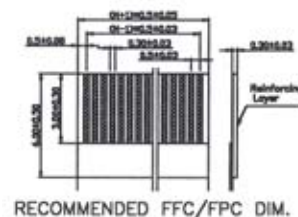
0.50MM (0.020") FFC/FPC ZIF CONNECTOR PIANO TYPE H=2.00MM



Recommended P.C.Board Layout



SECTION A-A



RECOMMENDED FFC/FPC DIM.

- A = NO. OF CONTACTS x 0.5 + 4.40
 B = NO. OF CONTACTS x 0.5 + 1.50
 C = NO. OF CONTACTS x 0.5 - 0.50
 D = NO. OF CONTACTS x 0.5 + 0.60

MATERIALS

Housing: Thermoplastic High Temp.
 UL94V-0, Nature

Latch: Thermoplastic High Temp.
 UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 0 5 0 BD - x x x T W - x
 1 2 3 4

- CONNECTOR TYPE:
"BD" H=2.00MM PIANO TYPE
- NO. OF CONTACTS:
004 ~ 060
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL

0.50MM (0.020") FFC/FPC ZIF CONNECTOR BACK FLIP PIANO TYPE H=1.00MM

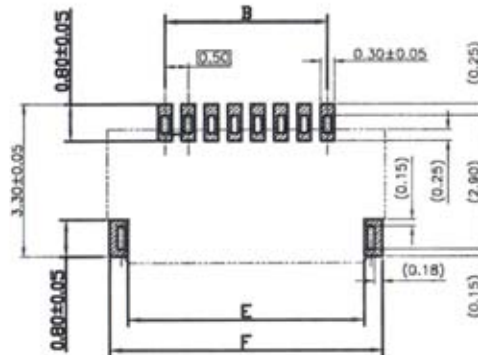
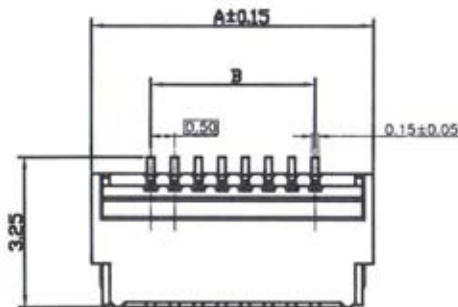
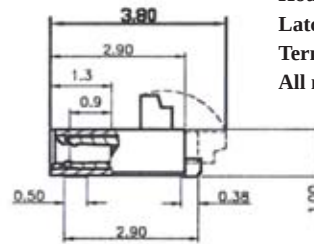
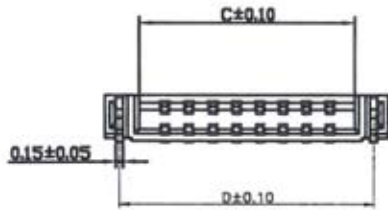
MATERIALS

Housing: Thermoplastic High Temp.

Latch: Thermoplastic High Temp.

Terminal: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

A = NO. OF CONTACTS x 0.5 + 2.00

B = (NO. OF CONTACTS - 1) x 0.5

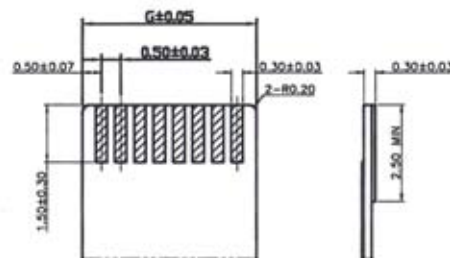
C = NO. OF CONTACTS x 0.5 + 0.57

D = NO. OF CONTACTS x 0.5 + 1.40

E = NO. OF CONTACTS x 0.5 + 1.10

F = NO. OF CONTACTS x 0.5 + 1.90

G = NO. OF CONTACTS x 0.5 + 0.50



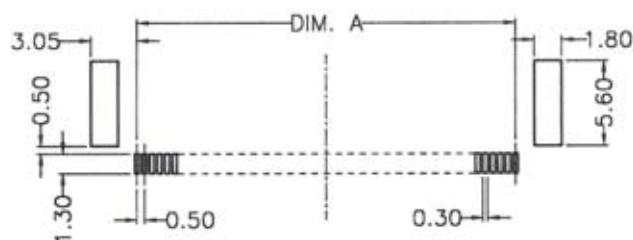
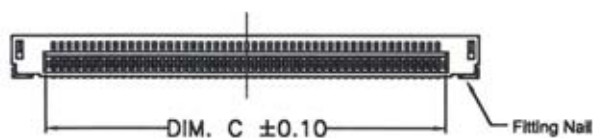
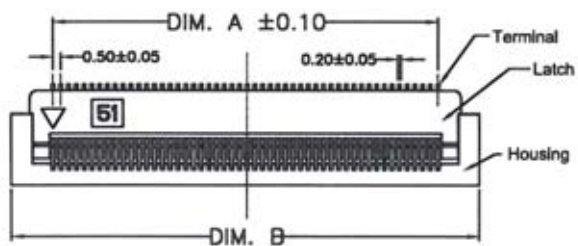
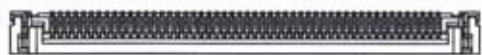
RECOMMENDED FFC/FPC DIM.

ORDERING INFORMATION:

P/N 0 5 0 B E - x x x G W - R
1 2 3 4

1. CONNECTOR TYPE:
"BE" H=1.00MM BACK FLIP TYPE
2. NO. OF CONTACTS:
004 ~ 040
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE OPTION:
"R" TAPE & REEL

0.50MM (0.020") FFC/FPC ZIF CONNECTOR BACK FLIP PIANO TYPE H=2.80MM



Recommended P.C.Board Layout

MATERIALS

Housing: Thermoplastic High Temp.

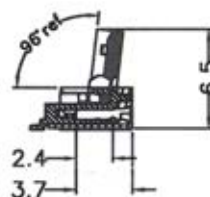
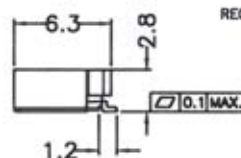
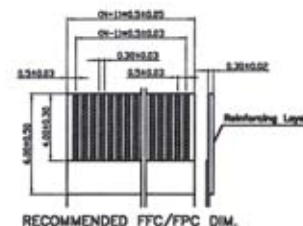
UL94V-0, Nature

Latch: Thermoplastic High Temp.

UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



$$A = (\text{NO. OF CONTACTS} - 1) \times 0.5$$

$$B = \text{NO. OF CONTACTS} \times 0.5 + 4.90$$

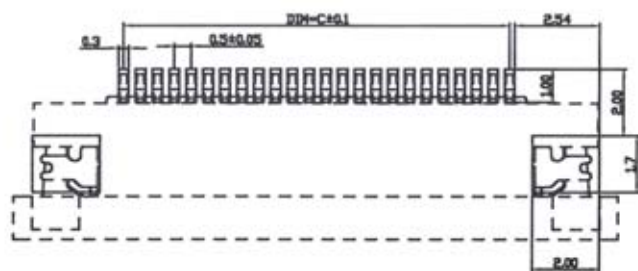
$$C = \text{NO. OF CONTACTS} \times 0.5 + 0.60$$

ORDERING INFORMATION:

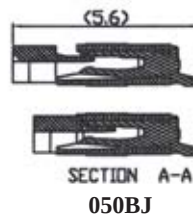
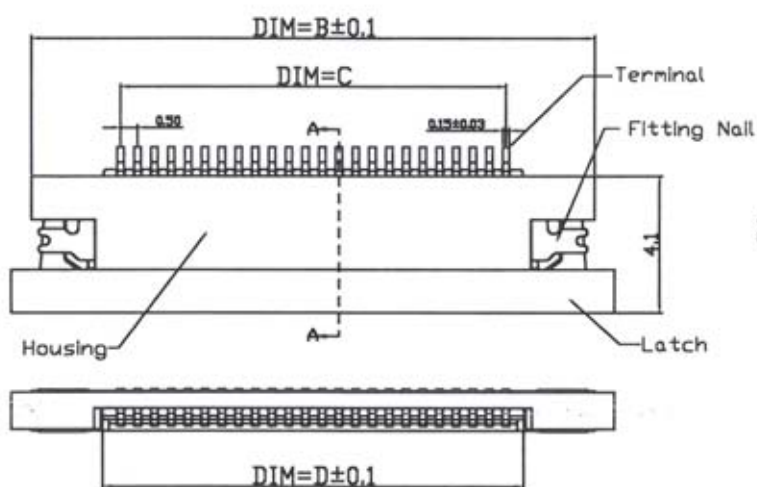
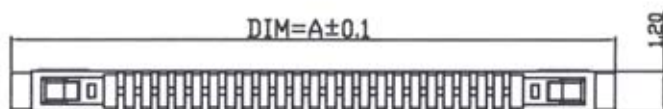
P/N 0 5 0 B G - x x x T W - R
1 2 3 4

1. CONNECTOR TYPE:
"BG" H=2.80MM BACK FLIP TYPE
2. NO. OF CONTACTS:
020 ~ 060
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"R" TAPE & REEL

0.50MM (0.020") FFC/FPC ZIF CONNECTOR RIGHT ANGLE SMT TYPE H=1.20MM



Recommended P.C.Board Layout



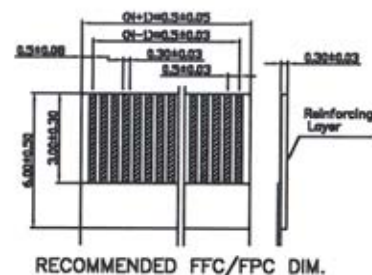
050BJ



050BH



- A = NO. OF CONTACTS $\times 0.5 + 0.60$
 B = NO. OF CONTACTS $\times 0.5 + 4.80$
 C = (NO. OF CONTACTS - 1) $\times 0.5$
 D = NO. OF CONTACTS $\times 0.5 + 0.60$



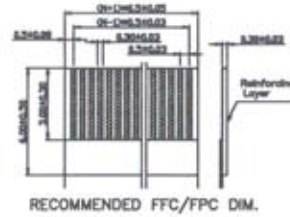
RECOMMENDED FFC/FPC DIM.

ORDERING INFORMATION:

P/N 050 $\frac{xx}{1} - \frac{xxx}{2} \frac{T}{3} W - \frac{x}{4}$

- CONNECTOR TYPE:
 "BH" H=1.20MM UPPER CONTACT TYPE
 "BJ" H=1.20MM LOWER CONTACT TYPE
- NO. OF CONTACTS:
 004 ~ 050
- CONTACT FINISH:
 "G" FULL GOLD PLATED
 "T" FULL TIN PLATED
- PACKAGE OPTION:
 "T" TUBE
 "R" TAPE & REEL

0.50MM (0.020") FFC/FPC ZIF CONNECTOR RIGHT ANGLE SMT TYPE H=2.00MM



MATERIALS

Housing: Thermoplastic High Temp.

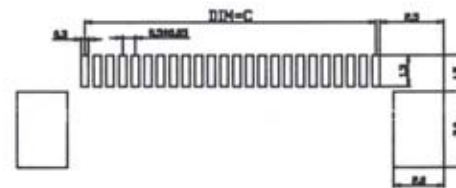
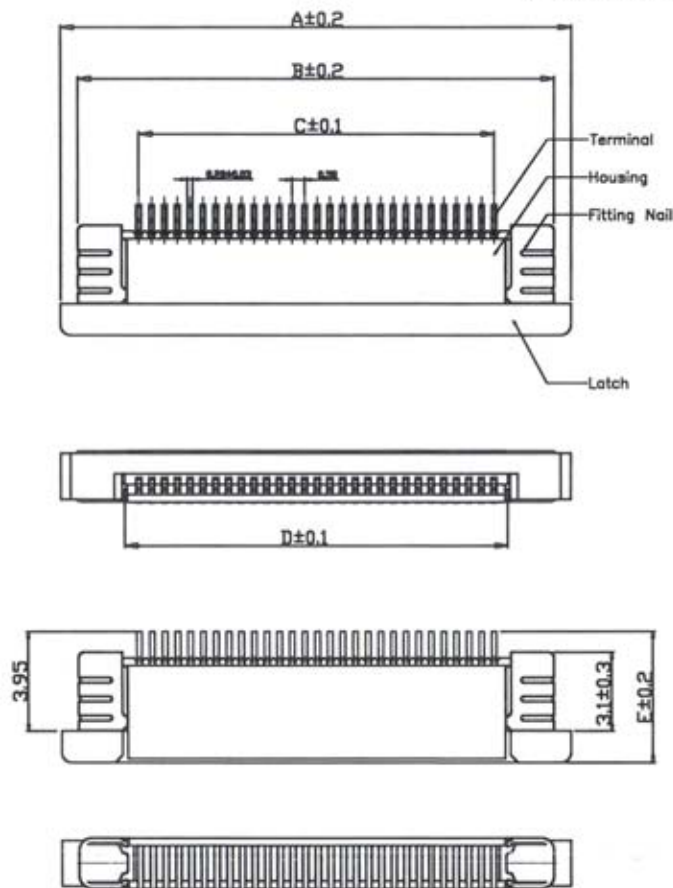
UL94V-0, Nature

Latch: Thermoplastic High Temp.

UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

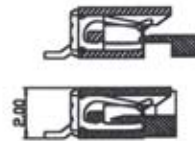

$$A = \text{NO. OF CONTACTS} \times 0.5 + 5.60$$
$$B = \text{NO. OF CONTACTS} \times 0.5 + 4.60$$

C = NO. OF CONTACTS $\times 0.5 - 0.50$

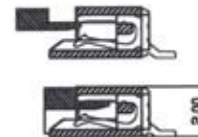
$$D = \text{NO. OF CONTACTS} \times 0.5 + 0.60$$

E = 5.25MM FOR 4 – 34 PINS

E = 5.75MM FOR 35 ~ 60 PINS



050BK



050BL

ORDERING INFORMATION:

P/N 050 xx - xxx TW - x

1. CONNECTOR TYPE:
"BK" H=2.00MM UPPER CONTACT TYPE
"BL" H=2.00MM LOWER CONTACT TYPE
2. NO. OF CONTACTS:
004 ~ 060
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL

0.50MM (0.020") FFC/FPC ZIF CONNECTOR LOWER CONTACT RIGHT ANGLE SMT TYPE H=2.17MM

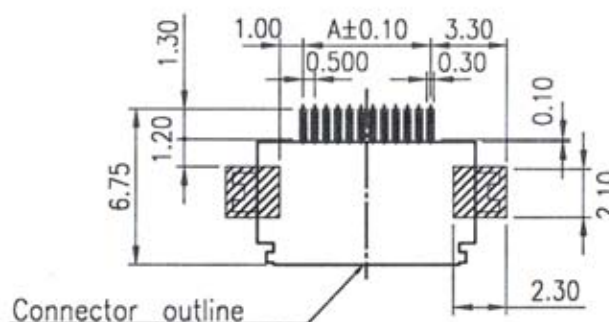
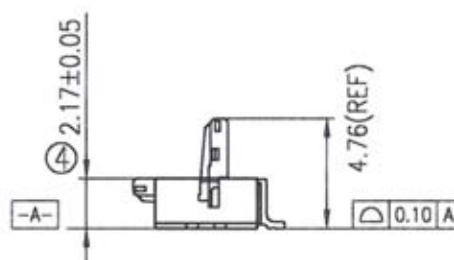
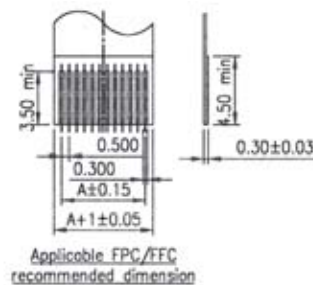
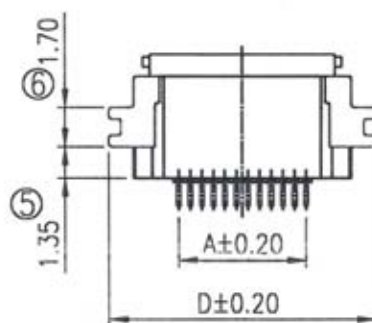
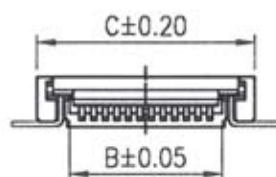
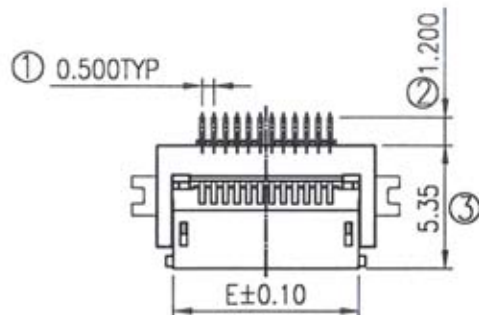
$$A = (\text{NO. OF CONTACTS} - 1) \times 0.5$$

$$B = A + 1.10$$

$$C = A + 3.90$$

$$D = A + 6.00$$

$$E = A + 2.50$$



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.4 A

Dielectric Strength: 250V AC Min.

Insulator Resistance: 50 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -20°C to +85°C

MATERIALS

Housing: LCP, Thermoplastic High Temp.
UL94V-0

Actuator: LCP, Thermoplastic High Temp.
UL94V-0

Contact: Phosphor Bronze

Holddown: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 050 BM - xx x T W - x
1 2 3 4

1. CONNECTOR TYPE:
"BM" SINGLE LOWER CONTACT
2. NO. OF CONTACTS:
004 ~ 080
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

0.50MM FFC/FPC LIF CONNECTOR RIGHT ANGLE SMT TYPE WITH DOUBLE SIDE CONTACTS HOUSING WIDTH=3.9MM & H=1.5MM

SPECIFICATIONS

Voltage Rating: 50V

Current Rating: 0.4A

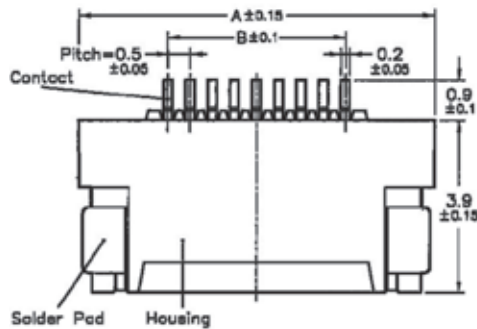
Operating Temperature: -55°C to +85°C

MATERIALS

Housing: Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

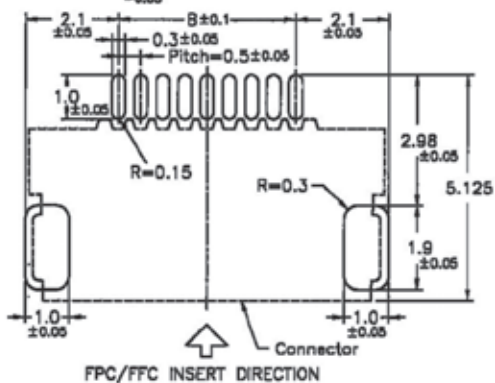
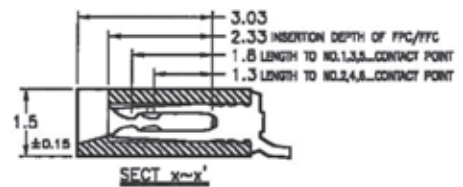
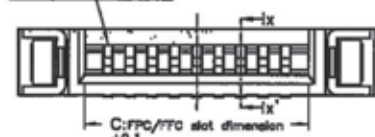


$$A = B + 4.03$$

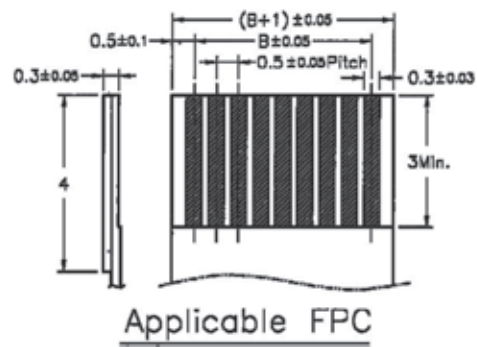
$$B = 0.5 \times (\text{POSITIONS} - 1)$$

$$C = B + 1.07$$

No.1 Contact Point



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 050 FQ - x₁ x₂ x₃ x₄ W - x₄

- CONTACT TYPE:
"FQ" R/A LIF SMT TYPE
- NO. OF CONTACTS:
004 ~ 060
- CONTACT FINISH:
"T" FULL TIN PLATED
"G" FULL GOLD PLATED
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC LIF CONNECTOR RIGHT ANGLE SMT TYPE WITH DOUBLE FACE CONTACTS HOUSING WIDTH=3.4MM & H=1.2MM

SPECIFICATIONS

Voltage Rating: 50V

Current Rating: 0.4A

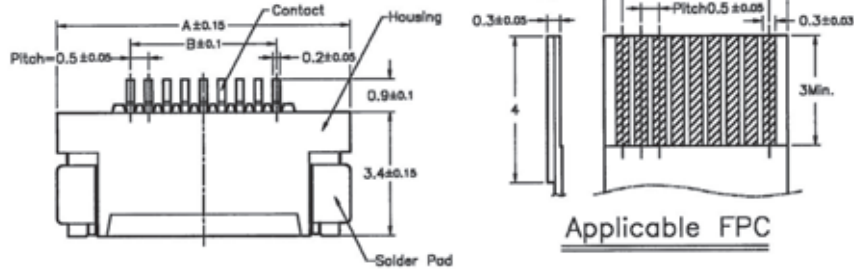
Operating Temperature: -55°C to +85°C

MATERIALS

Housing: Thermoplastic

Contact: Copper Alloy

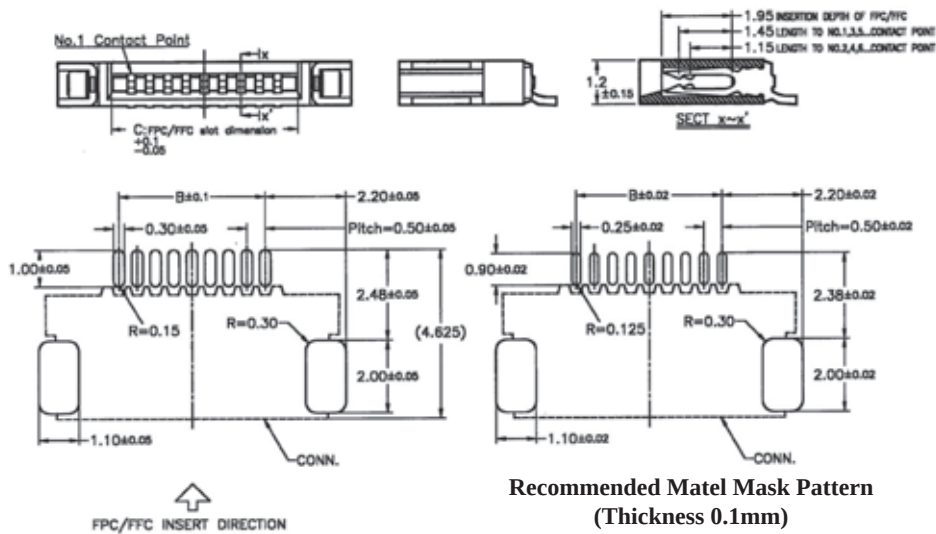
All materials must be RoHS compliant.



$$A = B + 4.03$$

$$B = 0.50 \times (\text{POSITIONS} - 1)$$

$$C = B + 1.10$$



Recommended P.C.Board Layout

Recommended Matel Mask Pattern
(Thickness 0.1mm)

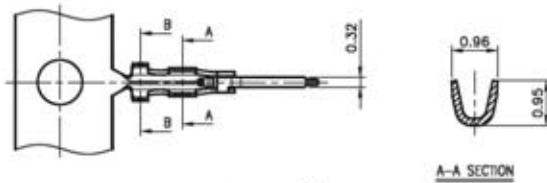
ORDERING INFORMATION:

P/N 050 $\frac{FT}{1}$ - $\frac{XXXX}{2}$ W - $\frac{X}{3}$

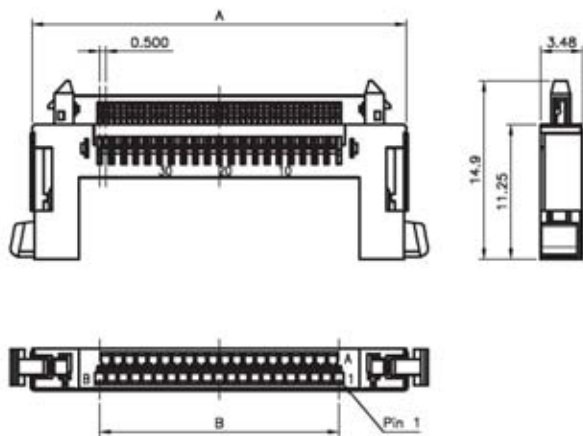
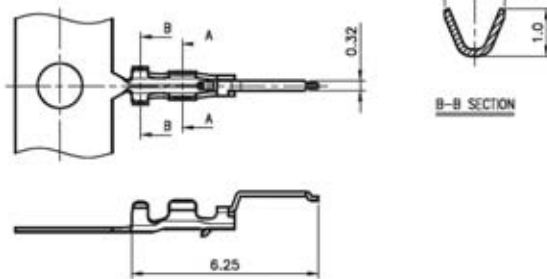
- CONTACT TYPE:
"FT" R/A LIF SMT TYPE
- NO. OF CONTACTS:
004 ~ 060
- CONTACT FINISH:
"T" FULL TIN PLATED
"G" FULL GOLD PLATED
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.50MM(0.020") SPACING WIRE-TO-BOARD SYSTEM (A1)

050JT-15KG



050JU-15KG



TERMINAL

Wire Range: AWG#30~36

Material: Phos. Bronze

Thickness: 0.15mm

Plating: Gold Plated

HOUSING

Housing: NY46 UL94V-0

Lock Spring: Stainless Steel

Shell: Stainless Steel

All materials must be RoHS compliant.

050JH-xxxHB

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
21	21.30	10.00
31	26.30	15.00
41	31.30	20.00
51	36.30	25.00

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 050JT-15KG

PU= 15,000PCS/REEL

P/N 050JU-15KG

PU= 15,000PCS/REEL

NOTE: ACCEPTS 050JH HOUSING

HOUSING:

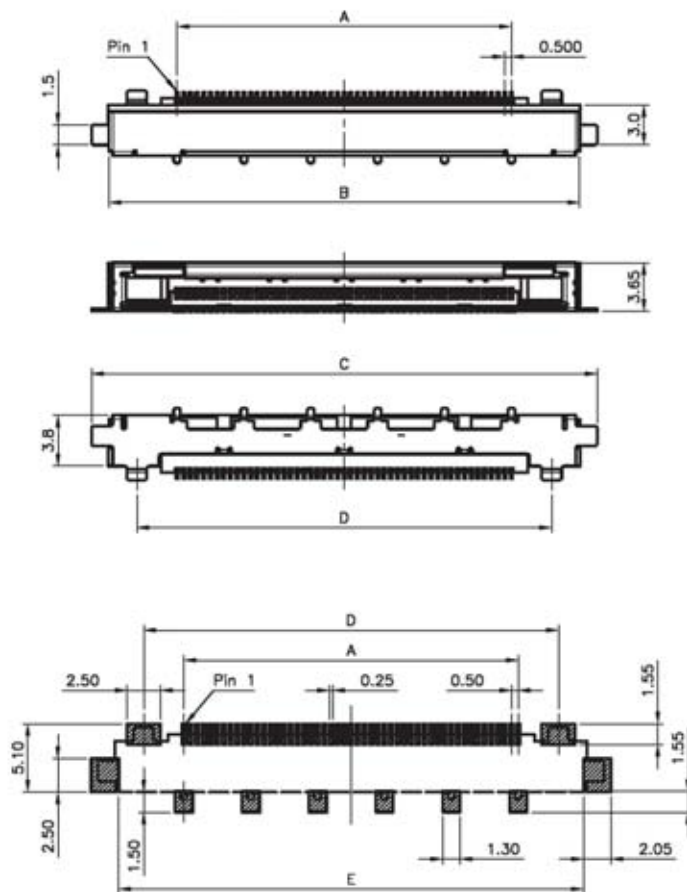
P/N 050JH-xxxHB

1. NO. OF CONTACTS:

021, 031, 041, 051

NOTE: ACCEPTS 050JT & 050JU TERMINALS

0.50MM(0.020") SPACING WIRE-TO-BOARD SYSTEM (A2)



Recommended P.C.Board Layout

SPECIFICATIONS

Voltage Rating: 50V AC, DC

Current Rating: 0.8A AC, DC

Withstand Voltage: 500V AC For 1 Min.

Contact Resistance: 50mΩ Max.

Insulator Resistance: 100MΩ Min.

Operating Temperature: -40°C to +80°C

MATERIALS

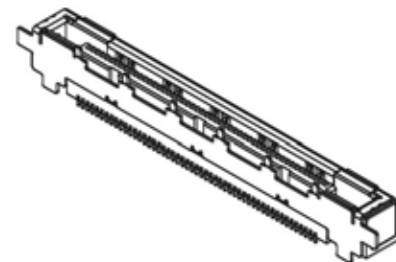
Housing: Thermoplastic High Temp
UL94V-0, Black

Shell: Stainless Steel

Contacts: Gold Over Nickel

Soldering: Tin, Copper Over Nickel

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)				
	A	B	C	D	E
51	25.00	35.20	37.80	31.00	34.75

ORDERING INFORMATION:

P/N 050JS - 051 S B
1 2

1. NO. OF CONTACTS:

051

2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

NOTE: MATES WITH 050JH HOUSING

0.60MM PITCH 200 PIN SO DIMM SOCKETS

BASE HEIGHT	MOUNT TYPE	1.8V DDR RAM	2.5V DDR RAM
4.0 MM	STANDARD MOUNT	060S4	060T4
	REVERSE MOUNT	—	—
5.2 MM	STANDARD MOUNT	060S5	060T5
	REVERSE MOUNT	—	—
5.9 MM	STANDARD MOUNT	060S6	060T6
	REVERSE MOUNT	—	—
8.0 MM	STANDARD MOUNT	060S8	—
	REVERSE MOUNT	—	060Q8
9.2 MM	STANDARD MOUNT	060S9	—
	REVERSE MOUNT	—	060Q9

NOTE: THE DRAWING WILL BE GIVEN UPON REQUEST!

ORDERING INFORMATION:

P/N 060 $\frac{xx}{1}$ - $\frac{200}{2}$ $\frac{xx}{34}$ - $\frac{x}{5}$

1. BASE HEIGHT & MOUNT TYPE:
S4, S5, S6, S8, S9, T4, T5, T6, Q8, Q9
2. NO. OF CONTACTS:
200
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
4. HOUSING COLOR:
"B" BLACK
"V" IVORY
5. PACKAGE TYPE
"0" TRAY
"R" TAPE & REEL

0.60MM PITCH 204 PIN SO DIMM SOCKETS

BASE HEIGHT	DRAM	STANDARD MOUNT	REVERSE MOUNT
4.0 MM	1.5V	060M4	060R4
5.2 MM	1.5V	060M5	060R5
5.9 MM	1.5V	060M6	—
8.0 MM	1.5V	060M8	060R8
9.2 MM	1.5V	060M9	060R9

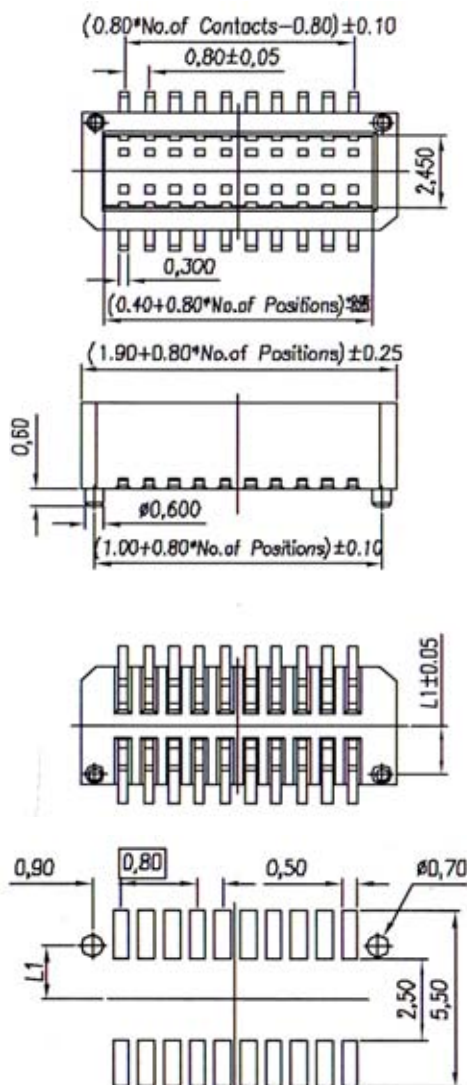
NOTE: THE DRAWING WILL BE GIVEN UPON REQUEST!

ORDERING INFORMATION:

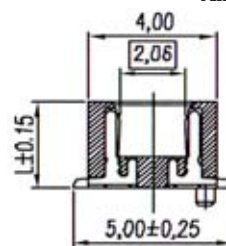
P/N 060 $\frac{xx}{1}$ - $\frac{204}{2}$ G B $\frac{xx}{3}$ - $\frac{x}{4}$ $\frac{x}{5}$

1. BASE HEIGHT & MOUNT TYPE:
M4, M5, M6, M8, M9, R4, R5, R8, R9
2. NO. OF CONTACTS:
204
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"03" 3 MICROINCH GOLD
5. PACKAGE TYPE
"0" TRAY
"R" TAPE & REEL

0.80MM (0.032") BOARD-TO-BOARD SMT SOCKET (A1)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC/DC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

Standard: Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
4.0 mm	080M1 -xxxxV-x	080F1 -xxxxV-x
4.5 mm	080M2 -xxxxV-x	080F1 -xxxxV-x
5.0 mm	080M3 -xxxxV-x	080F1 -xxxxV-x
5.5 mm	080M4 -xxxxV-x	080F2 -xxxxV-x
6.0 mm	080M5 -xxxxV-x	080F2 -xxxxV-x
6.5 mm	080M6 -xxxxV-x	080F2 -xxxxV-x
7.0 mm	080M6 -xxxxV-x	080F3 -xxxxV-x
7.0 mm	080M7 -xxxxV-x	080F4 -xxxxV-x

ORDERING INFORMATION:

P/N 080 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ V - $\frac{x}{4}$

1. BODY HEIGHT:

"F1" L/L1 = 2.90/1.65mm

"F2" L/L1 = 3.40/1.65mm

"F3" L/L1 = 3.90/1.65mm

"F4" L/L1 = 3.90/1.25mm

2. NO. OF CONTACTS:

008 ~ 050

3. CONTACT FINISH:

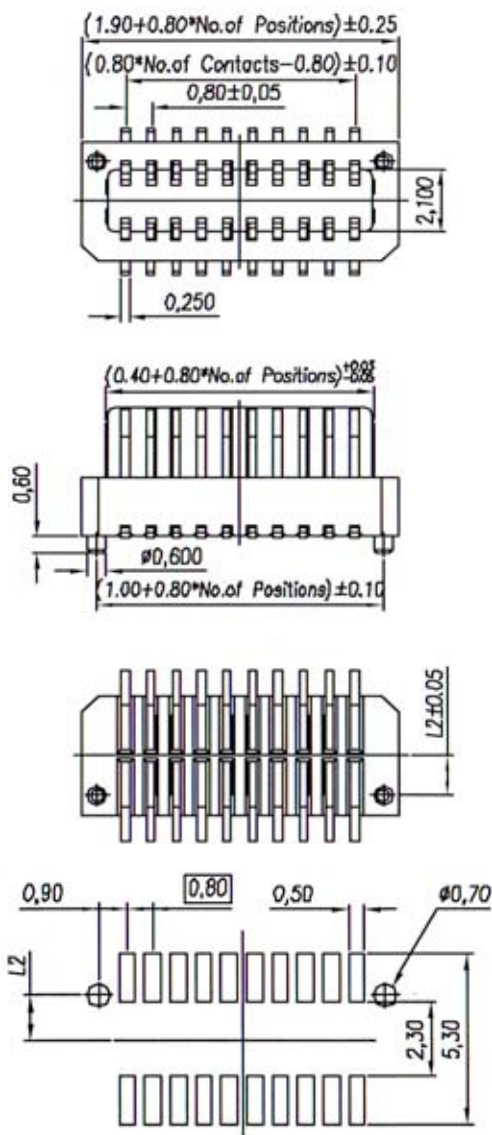
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.80MM (0.032") BOARD-TO-BOARD SMT PLUG (A2)



Recommended P.C.Board Layout

SPECIFICATIONS

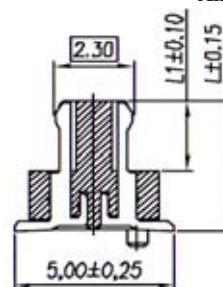
Current Rating: 0.5 Amp
 Dielectric Withstand: 300V AC/DC
 Insulator Resistance: 1000 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0
 Standard: Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



STACKED HEIGHT	PART NO.	
	MALE (PLUG)	FEMALE (SOCKET)
4.0 mm	080M1 -xxxxV-x	080F1-xxxxV-x
4.5 mm	080M2 -xxxxV-x	080F1-xxxxV-x
5.0 mm	080M3 -xxxxV-x	080F1-xxxxV-x
5.5 mm	080M4 -xxxxV-x	080F2-xxxxV-x
6.0 mm	080M5 -xxxxV-x	080F2-xxxxV-x
6.5 mm	080M6 -xxxxV-x	080F2-xxxxV-x
7.0 mm	080M6 -xxxxV-x	080F3-xxxxV-x
7.0 mm	080M7 -xxxxV-x	080F4-xxxxV-x

ORDERING INFORMATION:

P/N 080 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ V - $\frac{x}{4}$

1. BODY HEIGHT:

"M1" L/L1/L2 = 2.80/1.80/1.35mm
 "M2" L/L1/L2 = 3.30/1.80/1.35mm
 "M3" L/L1/L2 = 3.80/1.80/1.35mm
 "M4" L/L1/L2 = 4.30/2.30/1.35mm
 "M5" L/L1/L2 = 4.80/2.30/1.35mm
 "M6" L/L1/L2 = 5.30/2.30/1.35mm
 "M7" L/L1/L2 = 5.30/2.30/1.25mm

2. NO. OF CONTACTS:

008 ~ 050

3. CONTACT FINISH:

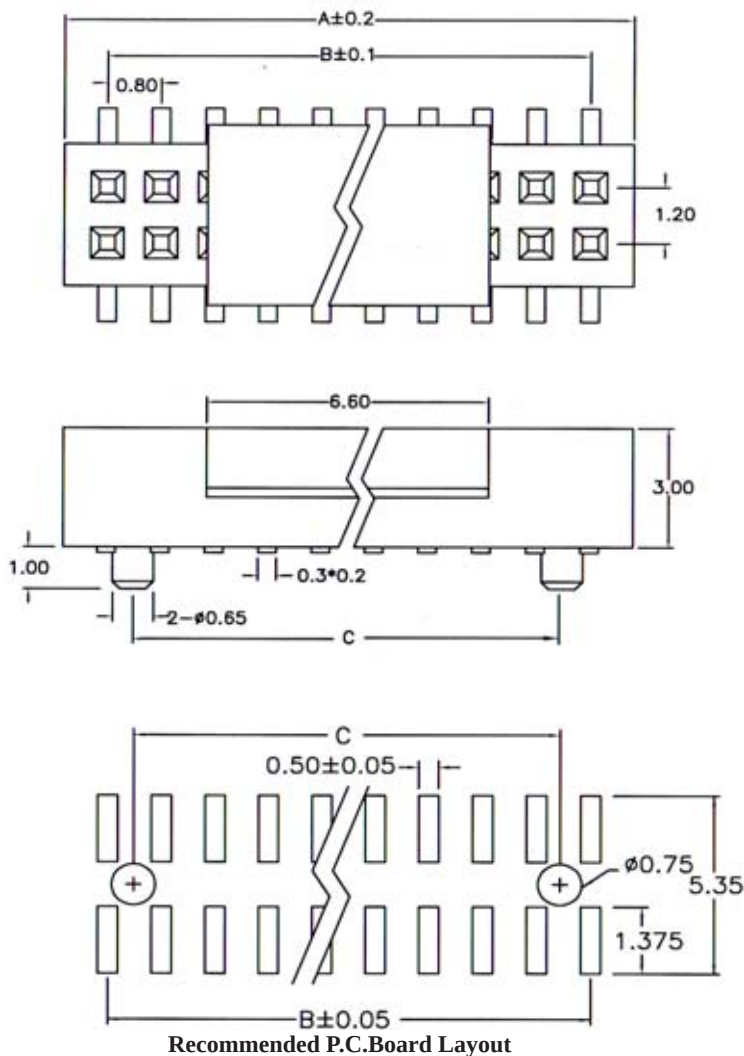
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.80MM (0.032") BOARD-TO-BOARD SMT SOCKET (B1)

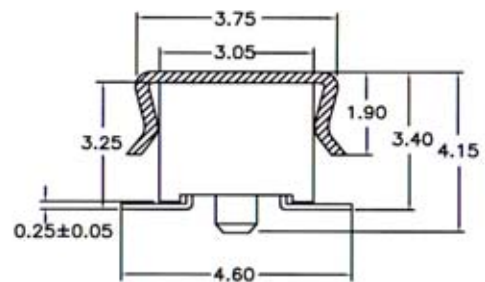


SPECIFICATIONS

Current Rating: 0.5 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0
 Standard: Nylon-9T
Contacts: Phosphor Bronze
 All materials must be RoHS compliant.



DIMENSIONS:

A = 0.80 x No. of Positions / 2 + 0.26
 B = 0.80 x No. of Positions / 2 - 0.80
 C = 0.80 x No. of Positions / 2 - 1.60

ORDERING INFORMATION:

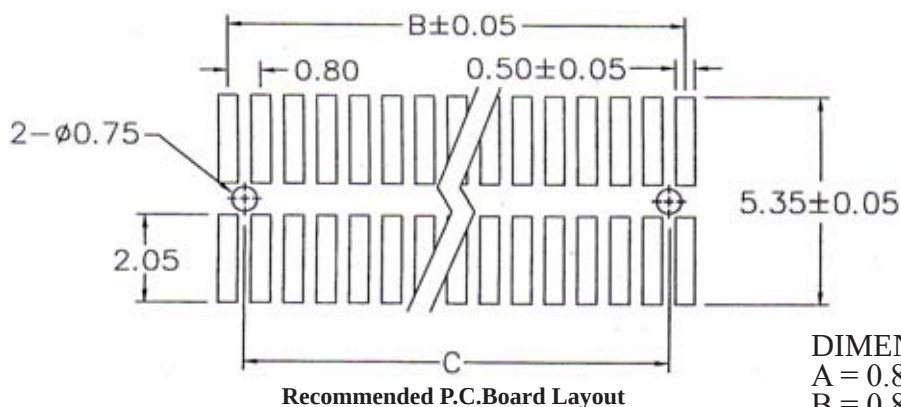
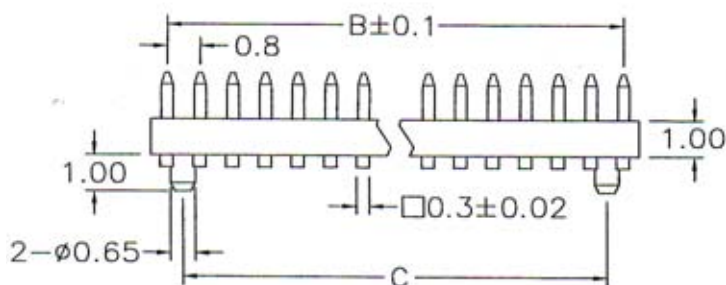
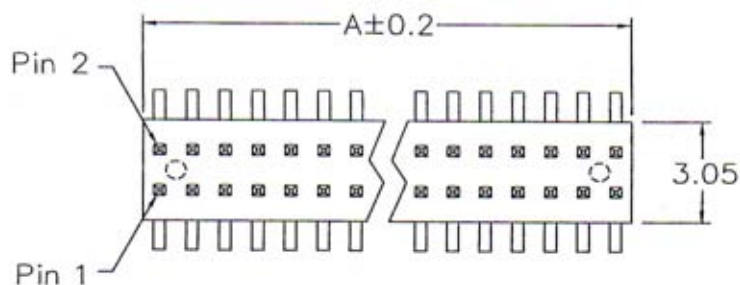
P/N 080 $\frac{xx}{1} - \frac{xxx}{2} \frac{x}{3} B - \frac{x}{4}$

1. LOCATING PEG OPTION:
 "SG" W/O LOCATING PEG
 "SH" WITH LOCATING PEG
2. NO. OF CONTACTS:
 006 ~ 100
3. CONTACT FINISH:
 "G" FULL GOLD PLATED

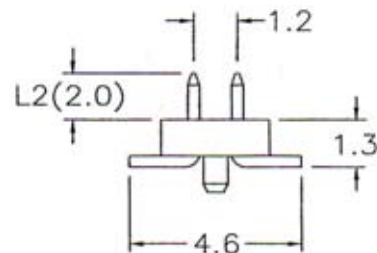
4. PACKAGE OPTION:
 "T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: MATES WITH 080QN & 080QP
 PIN HEADERS

0.80MM (0.032") BOARD-TO-BOARD SMT PLUG (B2)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

Standard: Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

DIMENSIONS:

$A = 0.80 \times (\text{No. of Positions}-1) / 2 + 1.06$

$B = 0.80 \times (\text{No. of Positions}-1) / 2$

$C = 0.80 \times (\text{No. of Positions}-1) / 2 - 0.80$

ORDERING INFORMATION:

P/N 080 $\frac{x}{1} - \frac{xxx}{2} \frac{x}{3} B - \frac{x}{4}$

1. LOCATING PEG OPTION:

"QN" L2=2.0mm W/O LOCATING PEG

"QP" L2=2.0mm WITH LOCATING PEG

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: MATES WITH 080SG & 080SH
FEMALE HEADERS

0.80MM(0.032") BOARD-TO-BOARD SMT SOCKET (C1)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

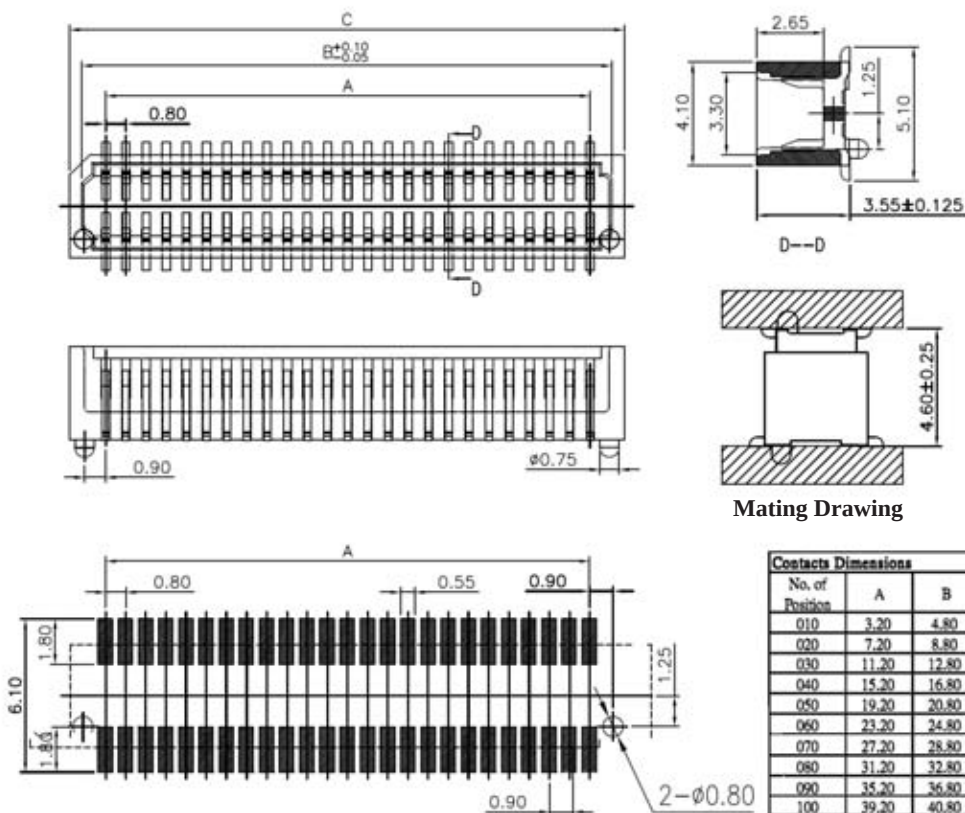
MATERIALS

Contact: Phosphor Bronze

Contact Plating: Gold

Insulator: HTN (UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Contacts Dimensions			
No. of Position	A	B	C
010	3.20	4.80	6.40
020	7.20	8.80	10.40
030	11.20	12.80	14.40
040	15.20	16.80	18.40
050	19.20	20.80	22.40
060	23.20	24.80	26.40
070	27.20	28.80	30.40
080	31.20	32.80	34.40
090	35.20	36.80	38.40
100	39.20	40.80	42.40

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
4.60MM	080M9-xxxGB-x	080F6-xxxGB-x

ORDERING INFORMATION:

P/N 0 8 0 F 6 - x x x G B - x
 1 2 3

- BODY HEIGHT:
"F6" H= 3.55MM
- NO. OF CONTACTS:
010, 020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.80MM(0.032") BOARD-TO-BOARD SMT SOCKET (C2)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

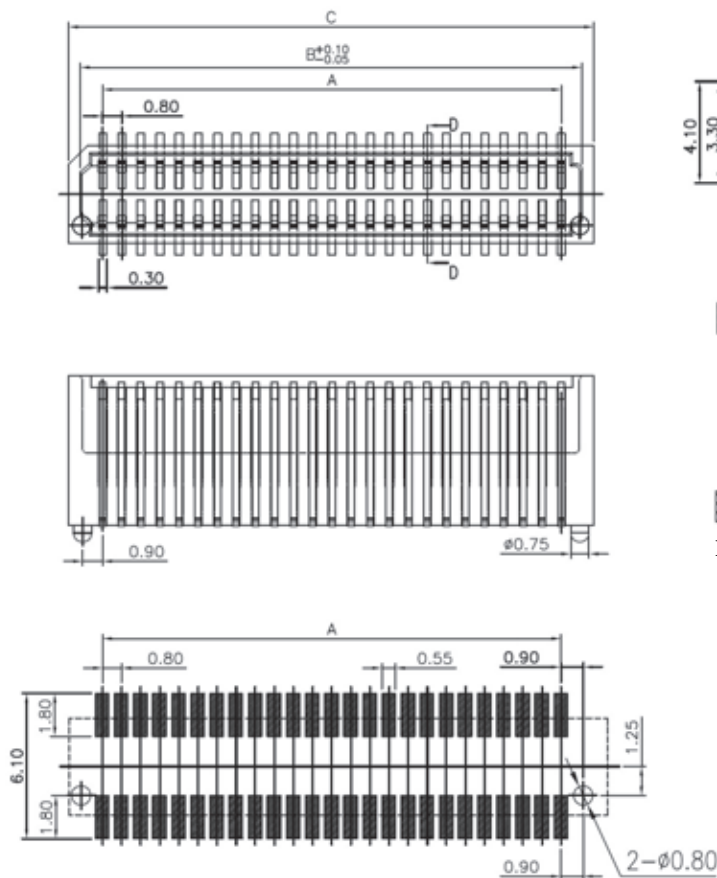
MATERIALS

Contact: Phosphor Bronze

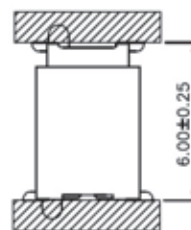
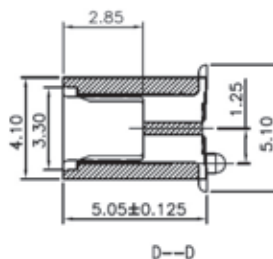
Contact Plating: Gold

Insulator: HTN (UL 94V-0)

*** RoHS & REACH compliant.**



Recommended P.C.Board Layout



Mating Drawing

Contacts Dimensions			
No. of Position	A	B	C
010	3.20	4.80	6.00
020	7.20	8.80	10.00
030	11.20	12.80	14.00
040	15.20	16.80	18.00
050	19.20	20.80	22.00
060	23.20	24.80	26.00
070	27.20	28.80	30.00
080	31.20	32.80	34.00
090	35.20	36.80	38.00
100	39.20	40.80	42.00

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
6.00MM	080M9-xxxGB-x	080F7-xxxGB-x

ORDERING INFORMATION:

P/N 080 F7 - xxx GB - x
1 2 3

- BODY HEIGHT:
"F7" H= 5.05MM
- NO. OF CONTACTS:
010, 020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.80MM(0.032") BOARD-TO-BOARD SMT SOCKET (C3)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

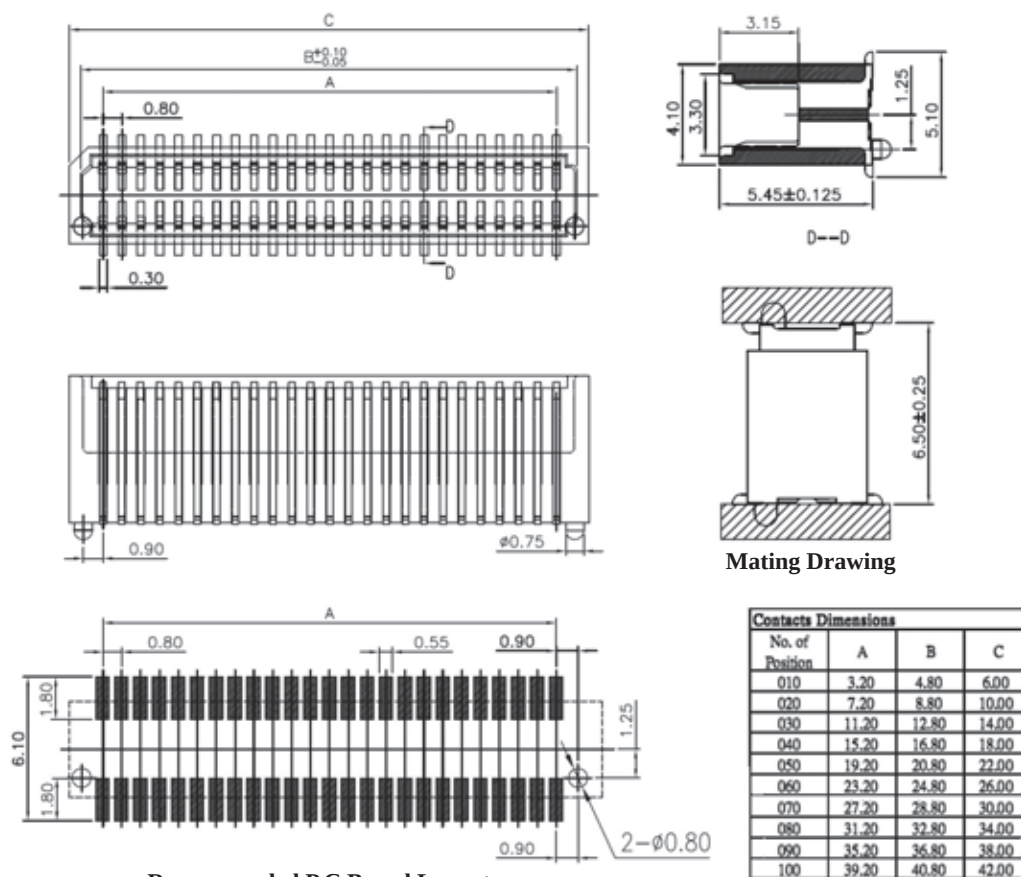
MATERIALS

Contact: Phosphor Bronze

Contact Plating: Gold

Insulator: HTN (UL 94V-0)

*** RoHS & REACH compliant.**



Recommended P.C.Board Layout

Mating Drawing

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
6.50MM	080M9-xxxGB-x	080F8-xxxGB-x

ORDERING INFORMATION:

P/N 080 F8 - xxx GB - x
1 2 3

- BODY HEIGHT:
"F8" H= 5.45MM
- NO. OF CONTACTS:
010, 020, 030, 040, 050, 060, 070, 080, 090, 100
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

0.80MM(0.032") BOARD-TO-BOARD SMT SOCKET (C4)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

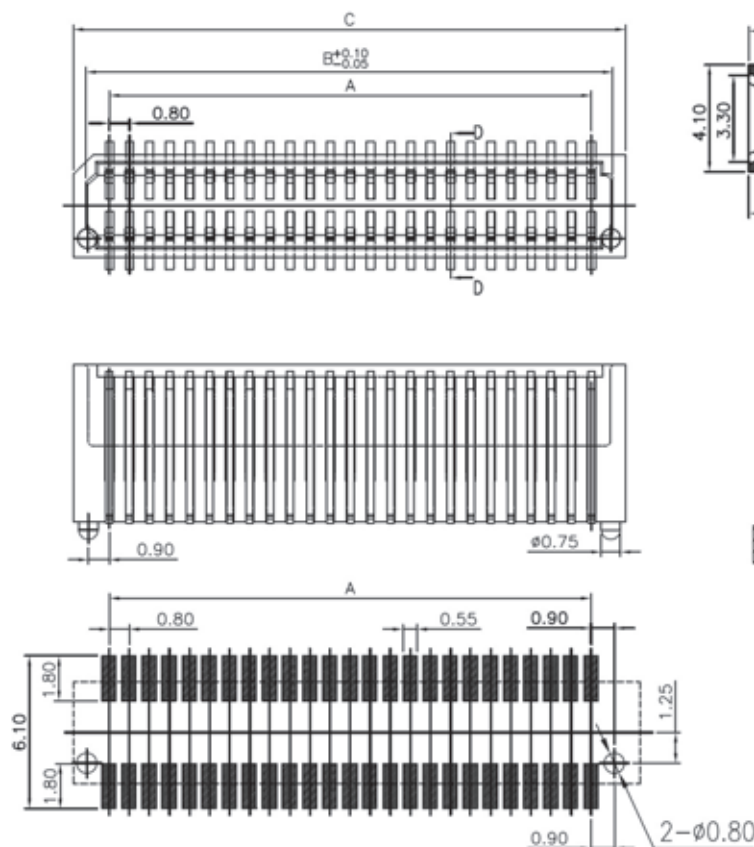
MATERIALS

Contact: Phosphor Bronze

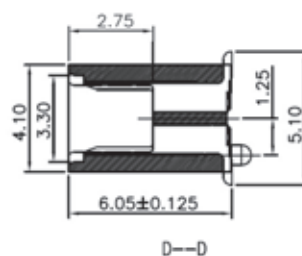
Contact Plating: Gold

Insulator: HTN (UL 94V-0)

*** RoHS & REACH compliant.**



Recommended P.C.Board Layout



Mating Drawing

Contacts Dimensions			
No. of Position	A	B	C
010	3.20	4.80	6.00
020	7.20	8.80	10.00
030	11.20	12.80	14.00
040	15.20	16.80	18.00
050	19.20	20.80	22.00
060	23.20	24.80	26.00
070	27.20	28.80	30.00
080	31.20	32.80	34.00
090	35.20	36.80	38.00
100	39.20	40.80	42.00

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
7.00MM	080M9-xxxGB-x	080F9-xxxGB-x

ORDERING INFORMATION:

P/N 080 F9 - xxx GB - x
1 2 3

1. BODY HEIGHT:

"F9" H= 6.05MM

2. NO. OF CONTACTS:

010, 020, 030, 040, 050, 060, 070, 080, 090, 100

3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.80MM(0.032") BOARD-TO-BOARD SMT PLUG (C5)

SPECIFICATIONS

Rating Current: 0.5 Amperes

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC

Contact Resistance: 40mΩ Max.

Operating Temperature: -20°C to +105°C

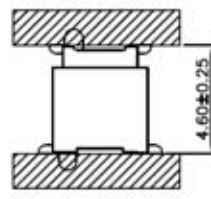
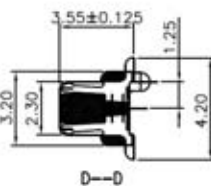
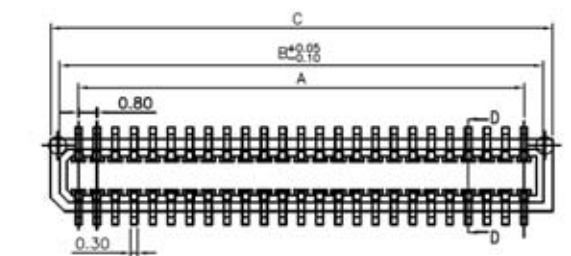
MATERIALS

Contact: Phosphor Bronze

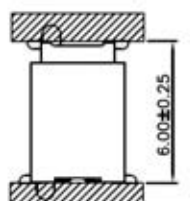
Contact Plating: Gold

Insulator: HTN (UL 94V-0)

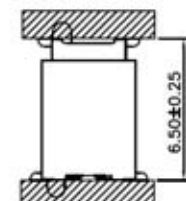
* RoHS & REACH compliant.



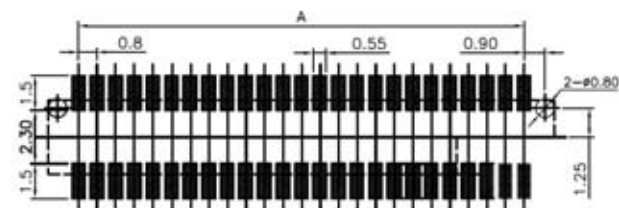
Mating Drawing 1



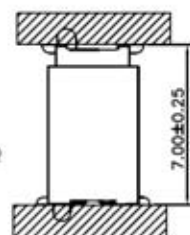
Mating Drawing 2



Mating Drawing 3



Recommended P.C.Board Layout



Mating Drawing 4

Contacts Dimensions			
No.	A	B	C
010	3.20	4.80	5.70
020	7.20	8.80	9.70
030	11.20	12.80	13.70
040	15.20	16.80	17.70
050	19.20	20.80	21.70
060	23.20	24.80	25.70
070	27.20	28.80	29.70
080	31.20	32.80	33.70
090	35.20	36.80	37.70
100	39.20	40.80	41.70

STACKED HEIGHT	PART NO. (MALE)	PART NO. (FEMALE)
4.60MM	080M9-xxxGB-x	080F6-xxxGB-x
6.00MM	080M9-xxxGB-x	080F7-xxxGB-x
6.50MM	080M9-xxxGB-x	080F8-xxxGB-x
7.00MM	080M9-xxxGB-x	080F9-xxxGB-x

ORDERING INFORMATION:

P/N 080M9-1-2GB-3

1. BODY HEIGHT:

"M9" H= 3.55MM

2. NO. OF CONTACTS:

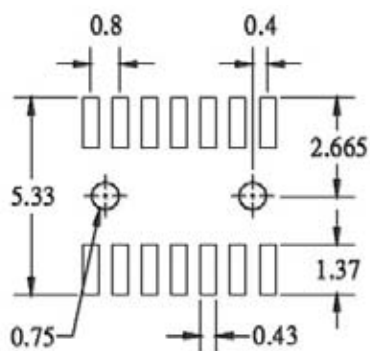
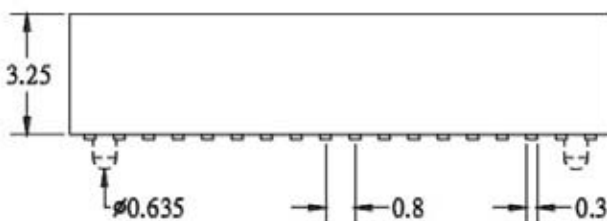
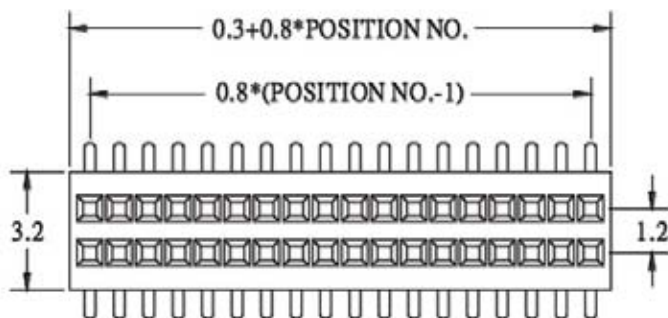
010, 020, 030, 040, 060, 070, 080, 090, 100

3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.80MM x 1.20MM FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=3.25MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 40mΩ Max.

Insulator Resistance: 1000 MΩ Min.

Dielectric Withstand: 250V AC For 1 Min.

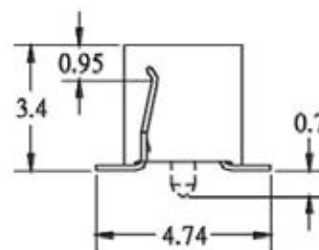
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP, Glass Reinforced, UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 080 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{S}{3}$ B - $\frac{x}{4}$

1. CONTACT TYPE:

"AA" WITHOUT LOCATING PEGS

"AB" WITH LOCATING PEGS

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

4. PAD & PACKAGE OPTION:

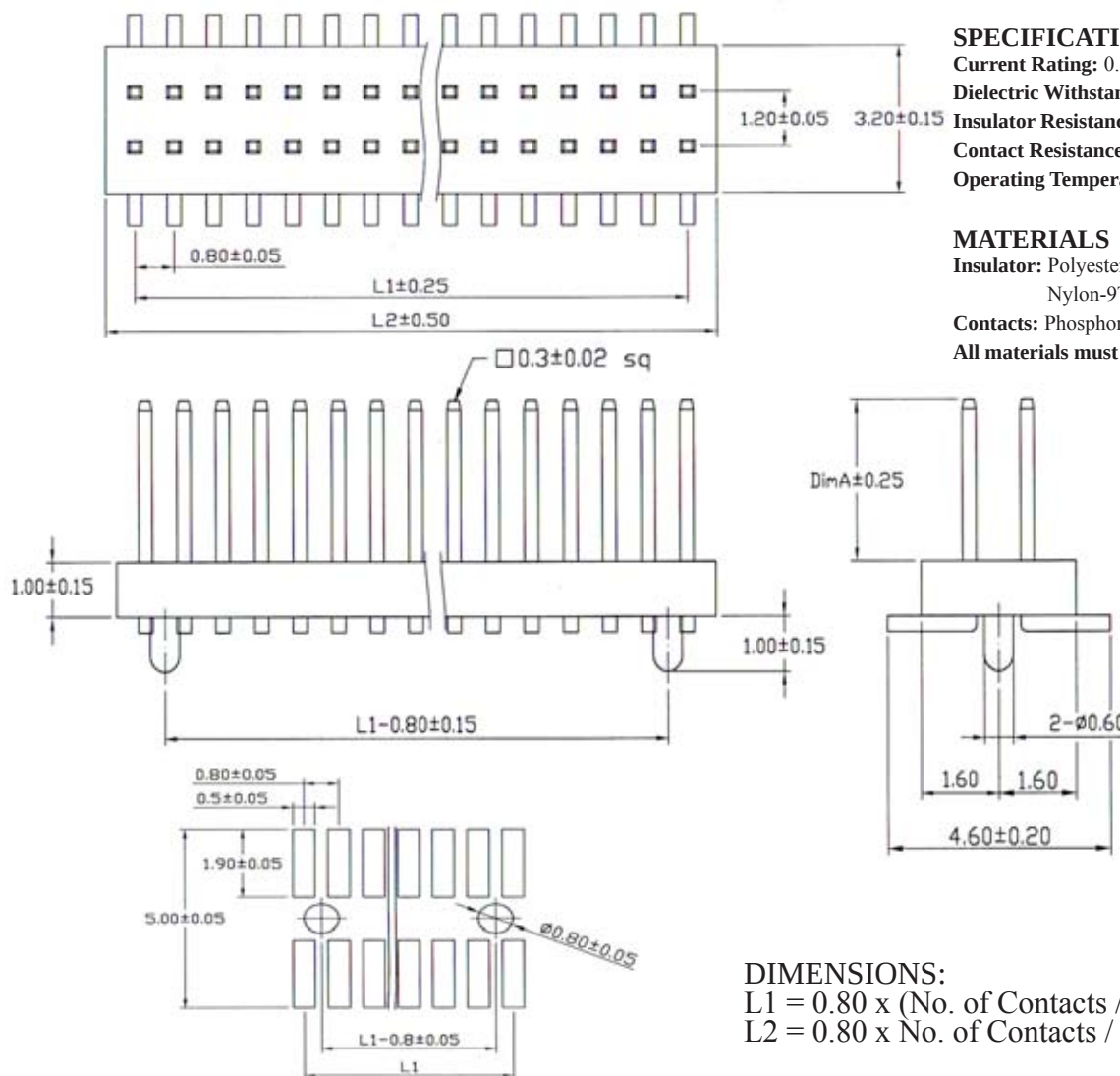
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

0.80MM x 1.20MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

DIMENSIONS:

L1 = 0.80 x (No. of Contacts / Row-1)

L2 = 0.80 x No. of Contacts / Row+0.40

Recommended P.C.Board Layout

ORDERING INFORMATION:

CODE: 0 8 0 2 T 3 - A - x x x x B - x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

2T3

2. DIMENSION A (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. LOCATING PEG OPTION:

"0" W/O LOCATING PEG

"1" WITH LOCATING PEG

6. PAD & PACKAGE OPTION:

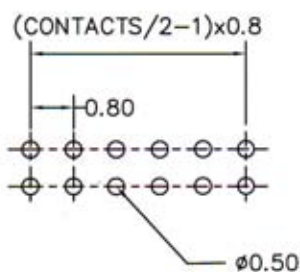
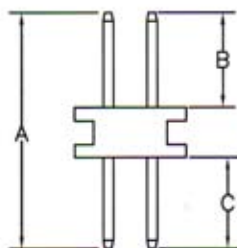
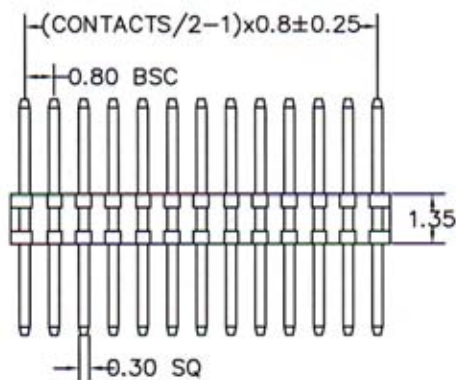
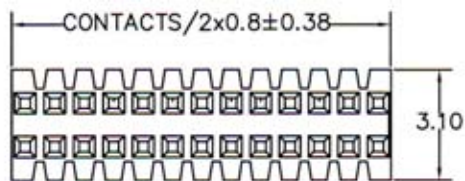
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

0.80MM x 1.20MM PIN HEADER DOUBLE ROW STRAIGHT TYPE ROFILE=1.35MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

CODE	A	B	C
QW	6.75	2.80	2.60
QX	5.85	1.90	2.60

ORDERING INFORMATION:

P/N 080 XX - XXX G B

1. CONTACT CODE:

QW, QX

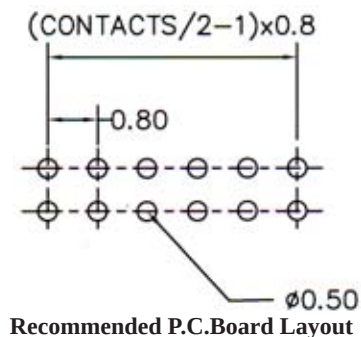
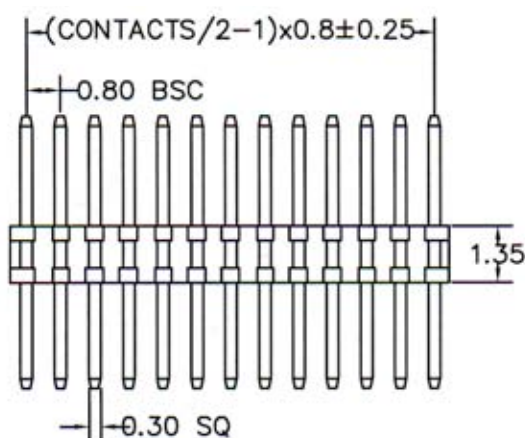
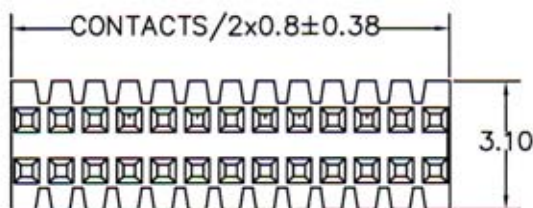
2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

0.80MM x 1.20MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=1.35MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

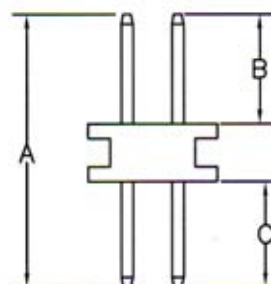
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



ORDERING INFORMATION:

CODE: 0 8 2 2 S 6 - $\frac{A}{1}$ $\frac{B}{2}$ $\frac{C}{3}$ $\frac{B}{4}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{XX}{YY}$ $\frac{XX}{MM}$ $\frac{XX}{DD}$ - $\frac{XXX}{3}$ $\frac{X}{4}$ B

1. EXTERIOR CODE:

2S6

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

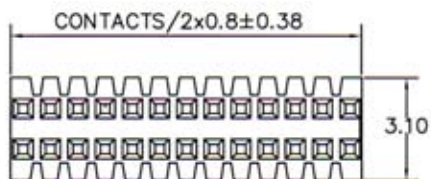
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

0.80MM x 1.20MM PIN HEADER DOUBLE ROW STRAIGHT TYPE ROFILE=1.35MM



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

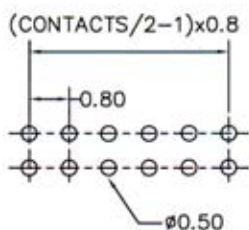
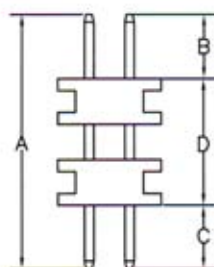
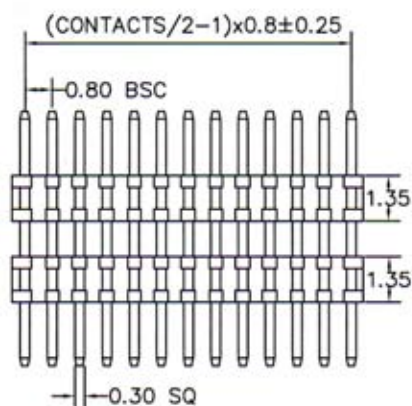
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout

CODE	A	B	C	D
QY	11.20	2.80	2.60	5.80
QZ	10.30	1.90	2.60	5.80

ORDERING INFORMATION:

P/N 080 XX - XXX G B

1. CONTACT CODE:

QY, QZ

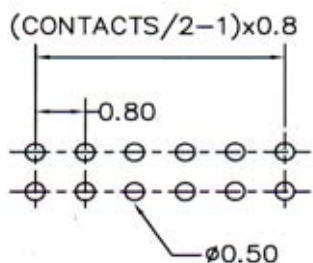
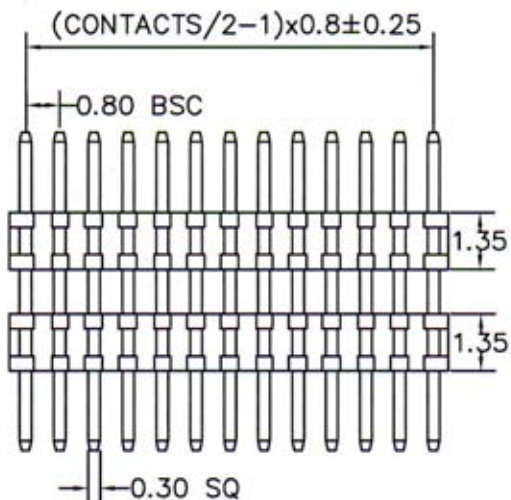
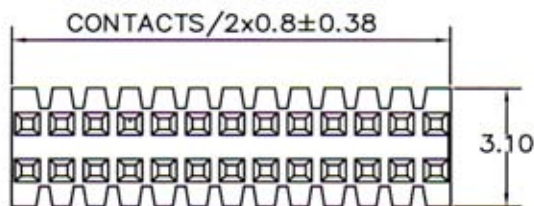
2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

0.80MM x 1.20MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=1.35MM



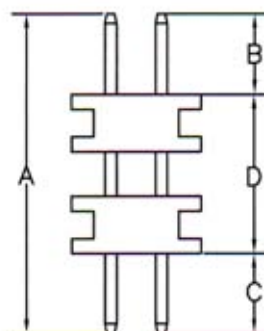
Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-9T
Contacts: Phosphor Bronze
 All materials must be RoHS compliant.



ORDERING INFORMATION:

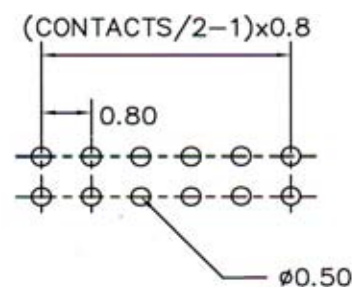
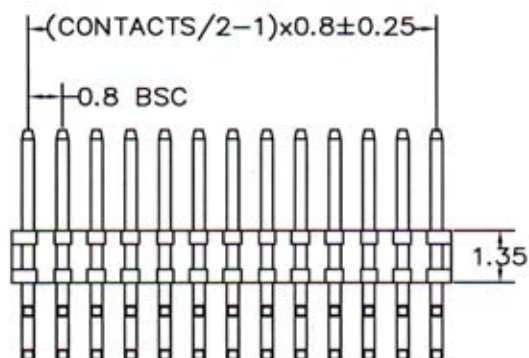
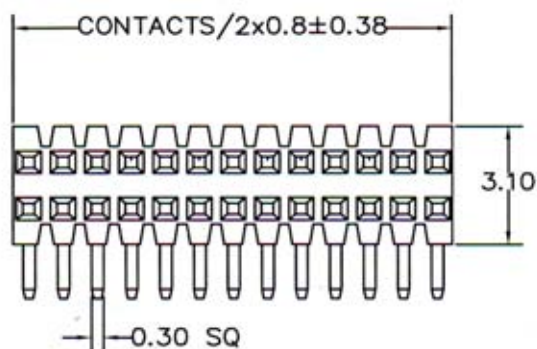
CODE: 0 8 2 2 S 8 - A/B/C/D - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

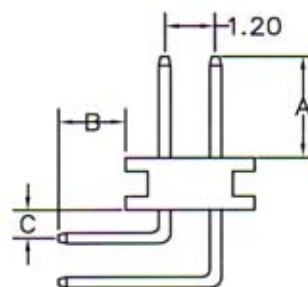
P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
2S8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

0.80MM x 1.20MM PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=1.35MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-9T
Contacts: Phosphor Bronze
 All materials must be RoHS compliant.

ORDERING INFORMATION:

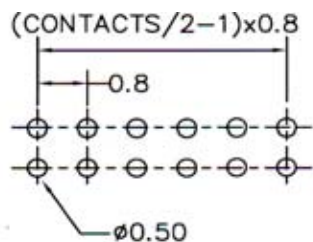
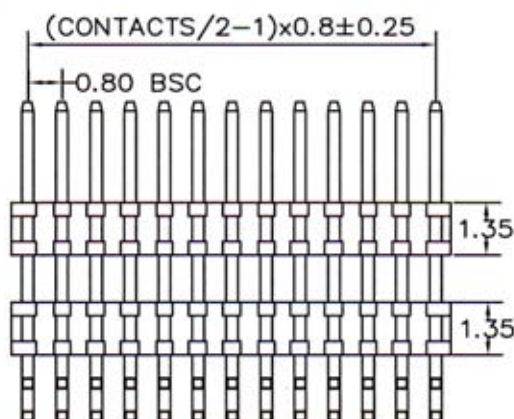
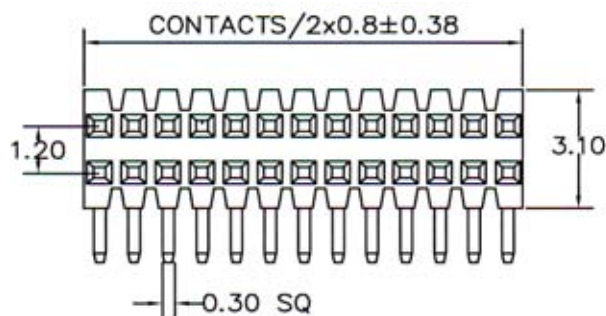
CODE: 0 8 2 2 D 6 - A/B/C - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

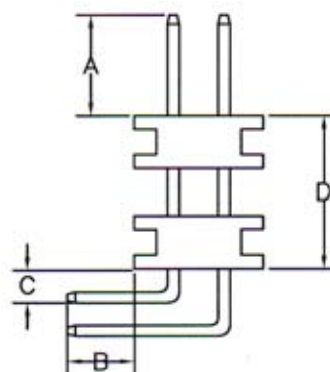
P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
2D6
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 080
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

0.80MM x 1.20MM PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=1.35MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-9T
Contacts: Phosphor Bronze
 All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 0 8 2 2 D 8 - A/B/C/D - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
2D8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

0.80MM x 1.20MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.35MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

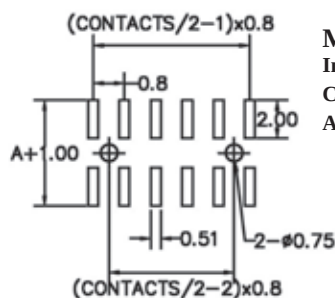
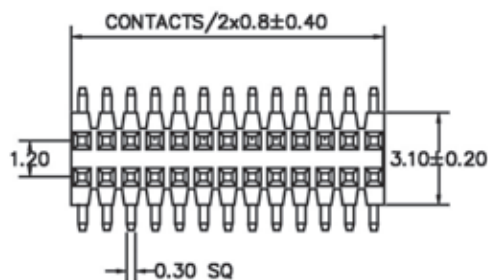
Operating Temperature: -55°C to +105°C

MATERIALS

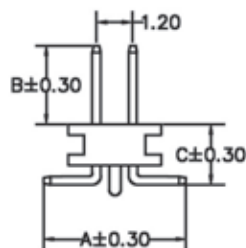
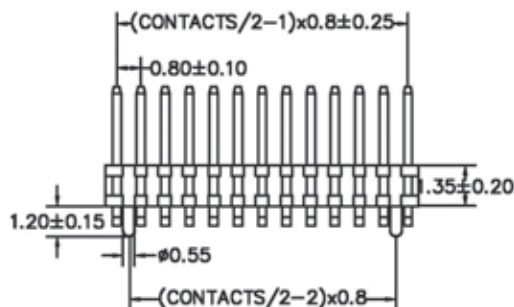
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



W/O PEGS	WITH PEGS	DIMENSIONS(MM)		
		A	B	C
PC	PD	4.70	2.70	1.50
PE	PF	4.60	2.80	1.80
PL	PM	4.60	1.90	1.70

ORDERING INFORMATION:

P/N 080 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

1. CONTACT TYPE:

PC, PD, PE, PF, PL, PM

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

0.80MM x 1.20MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.35MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

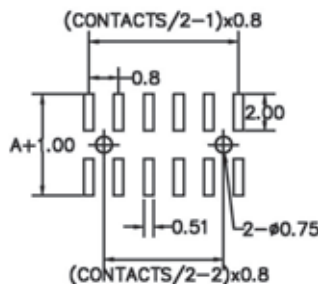
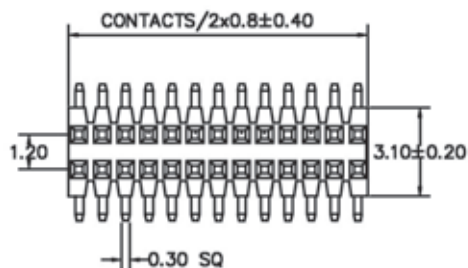
Operating Temperature: -55°C to +105°C

MATERIALS

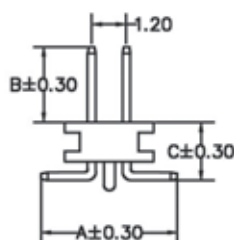
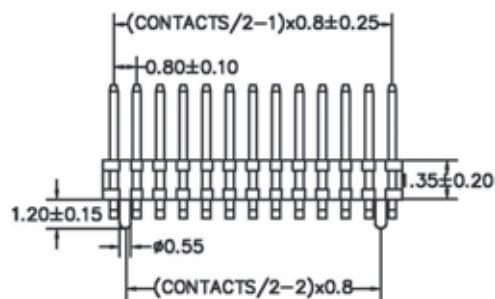
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 0 8 2 xxx - A/B/C - xxx G B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P xxx xxx xxx - xxx x B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T1" W/O LOCATING PEG

"2T3" WITH LOCATING PEG

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

006 ~ 040

4. CONTACT FINISH:

"G" FULL GOLD PLATED

5. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

0.80MM x 1.20MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.35MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

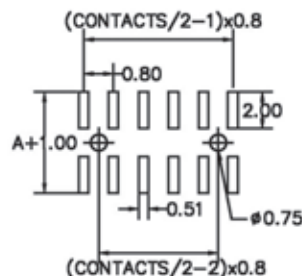
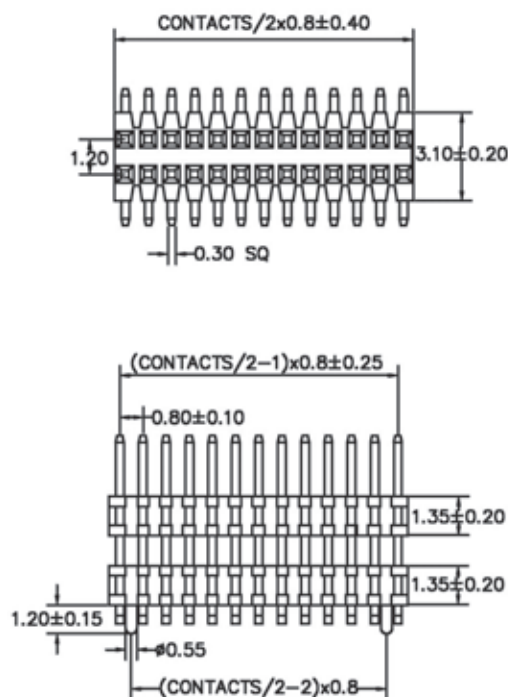
Operating Temperature: -55°C to +105°C

MATERIALS

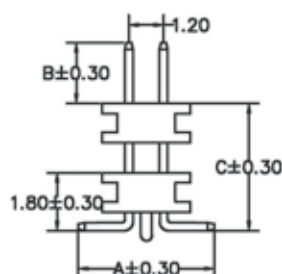
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



W/O PEGS	WITH PEGS	DIMENSIONS(MM)		
		A	B	C
PG	PH	4.70	2.70	5.80
PJ	PK	4.60	2.80	5.80
PN	PQ	4.60	1.90	3.20
PR	PS	4.60	1.90	6.15

ORDERING INFORMATION:

P/N 080 $\frac{xx}{1} - \frac{xxx}{2} \frac{x}{3} B - \frac{x}{4}$

1. CONTACT TYPE:

PG, PH, PJ, PK, PN, PQ, PR, PS

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

0.80MM x 1.20MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.35MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

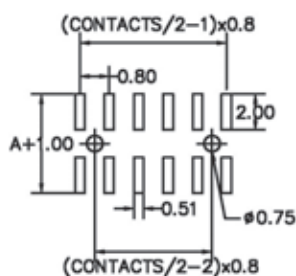
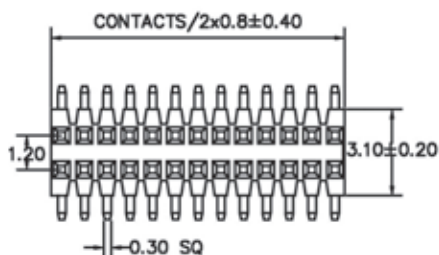
Operating Temperature: -55°C to +105°C

MATERIALS

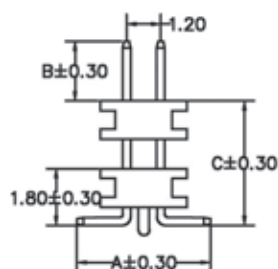
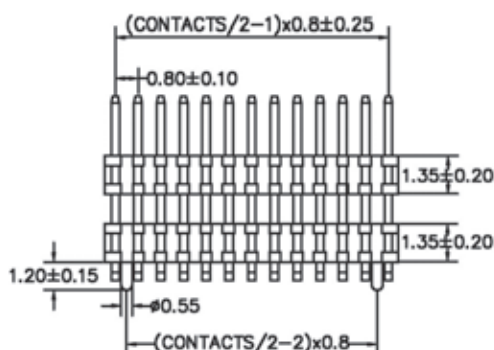
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 0 8 2 xxx - A/B/C - xxx G B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P xx xx xx xx x - xxx x B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T6" W/O LOCATING PEG

"2T8" WITH LOCATING PEG

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

006 ~ 040

4. CONTACT FINISH:

"G" FULL GOLD PLATED

5. PAD & PACKAGE OPTION:

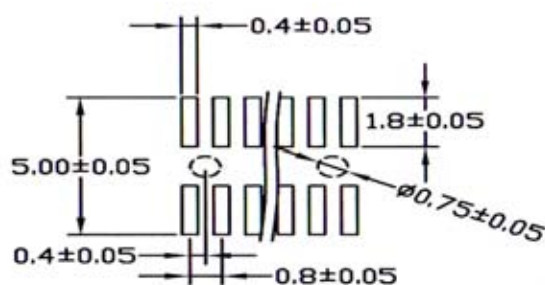
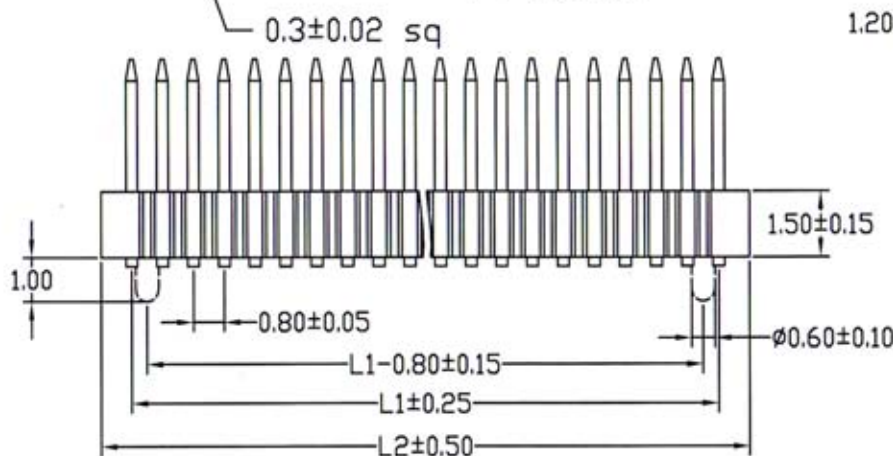
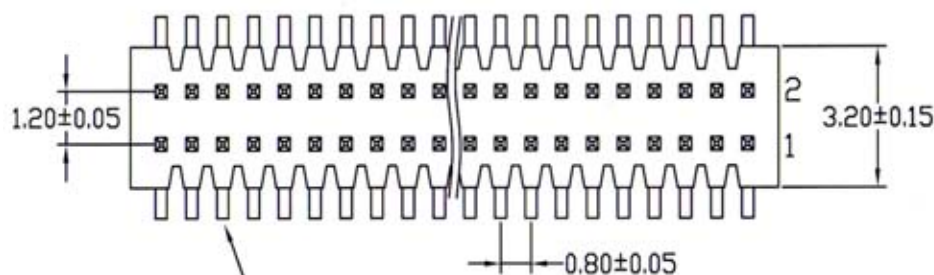
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

0.80MM x 1.20MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

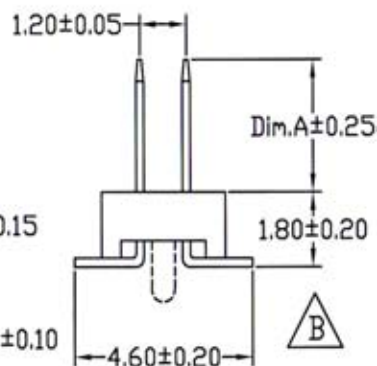
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



DIMENSIONS:

L1 = 0.80 x (No. of Contacts / Row-1)

L2 = 0.80 x No. of Contacts / Row+0.60

ORDERING INFORMATION:

CODE: 0 8 1 2 M 3 - A - x x x x B / x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

2M3

2. DIMENSION A (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 080

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. LOCATING PEG OPTION:

"0" W/O LOCATING PEG

"1" WITH LOCATING PEG

6. PAD & PACKAGE OPTION:

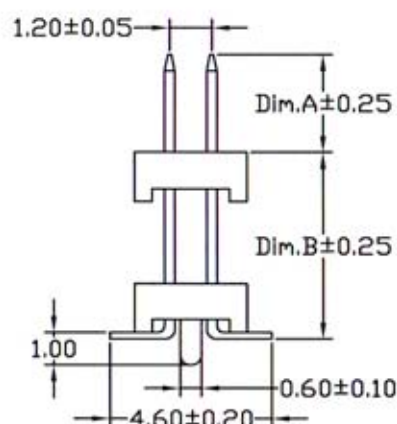
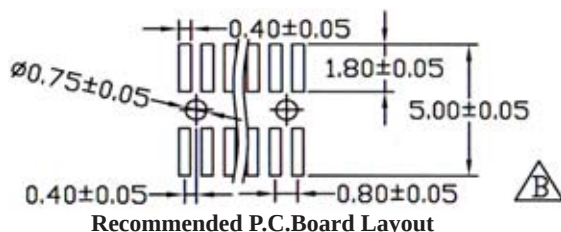
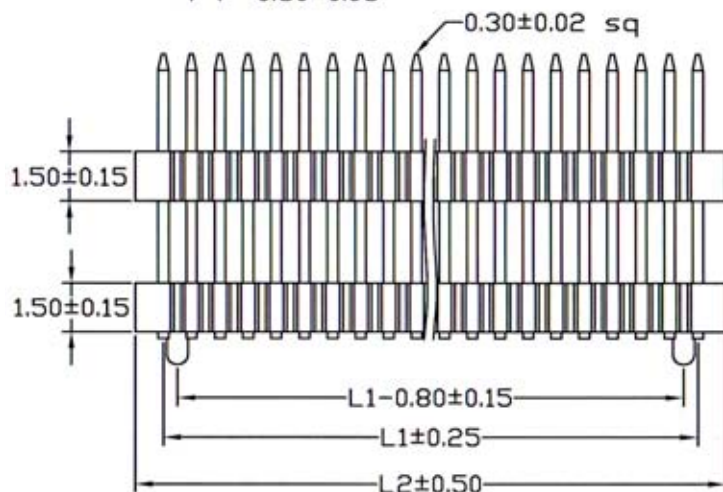
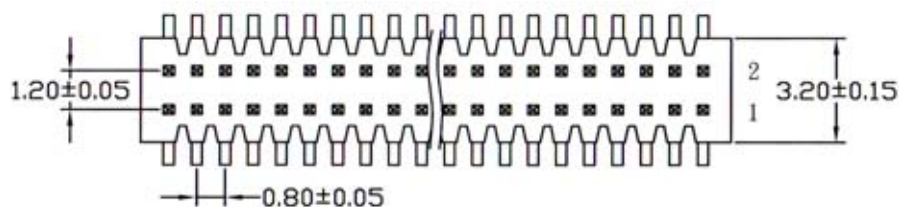
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

0.80MM x 1.20MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Polyester, UL94V-0

Standard: Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

DIMENSIONS:

L1 = 0.80 x (No. of Contacts / Row-1)

L2 = 0.80 x (No. of Contacts / Row+1)

ORDERING INFORMATION:

CODE: 0 8 1 2 M 7 - A/B - x x x x B / x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

2M7

2. DIMENSION A/B (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 080

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. LOCATING PEG OPTION:

"0" W/O LOCATING PEG

"1" WITH LOCATING PEG

6. PAD & PACKAGE OPTION:

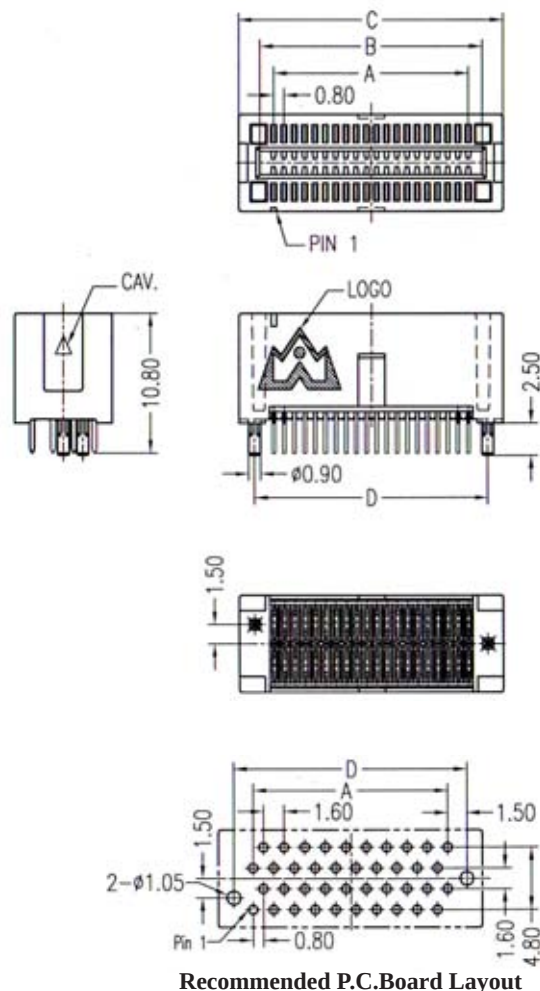
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

0.80MM MINI PCI 40 & 70 PIN SLOT SOCKET DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.7 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

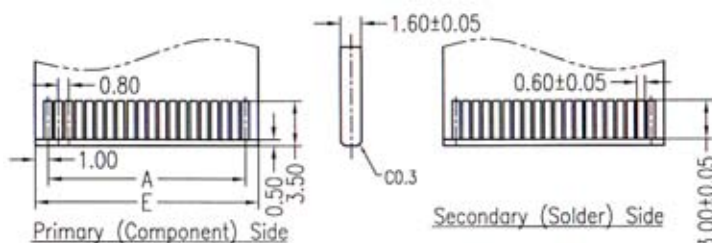
Operating Temperature: -40°C to + 105°C

MATERIALS

Housing: LCP, UL94V-0

Contact Material: Brass

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
40	15.20	17.35	20.60	18.20	17.20
70	27.20	29.35	32.60	30.20	29.20

ORDERING INFORMATION:

P/N 080PV - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{G}{4} \frac{B}{3} \frac{x}{4}$

1. NO. OF CONTACTS:

040, 070

2. CONTACT FINISH:

"G" FULL GOLD PLATED

3. INSULATOR COLOR:

"B" BLACK

4. GOLD PLATED THICKNESS:

"01" GOLD FLASH

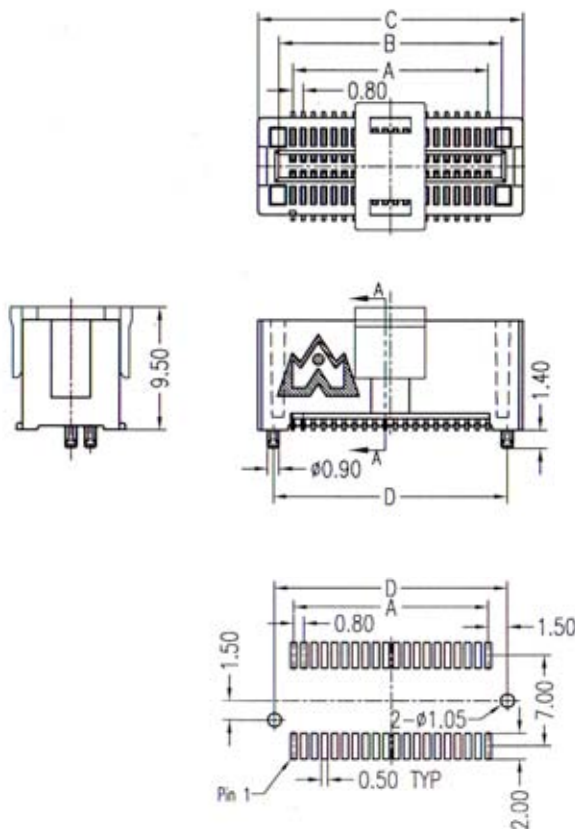
"05" 5 MICROINCH GOLD

"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

0.80MM MINI PCI 40 PIN SLOT SOCKET SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.7 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Housing: LCP, UL94V-0

Contact Material: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
40	15.20	17.35	20.60	18.20	17.20

ORDERING INFORMATION:

P/N 080PW - $\frac{xxx}{1} \frac{xxx}{234} \frac{xxx}{5}$

1. NO. OF CONTACTS:

040

2. CONTACT FINISH:

"G" FULL GOLD PLATED

3. INSULATOR COLOR:

"B" BLACK

4. GOLD PLATED THICKNESS:

"01" GOLD FLASH

"05" 5 MICROINCH GOLD

"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

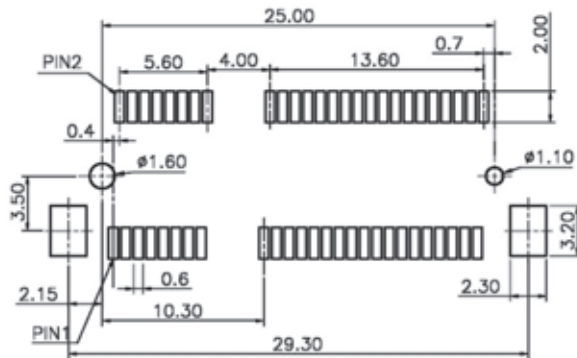
"30" 30 MICROINCH GOLD

5. PACKAGE OPTION:

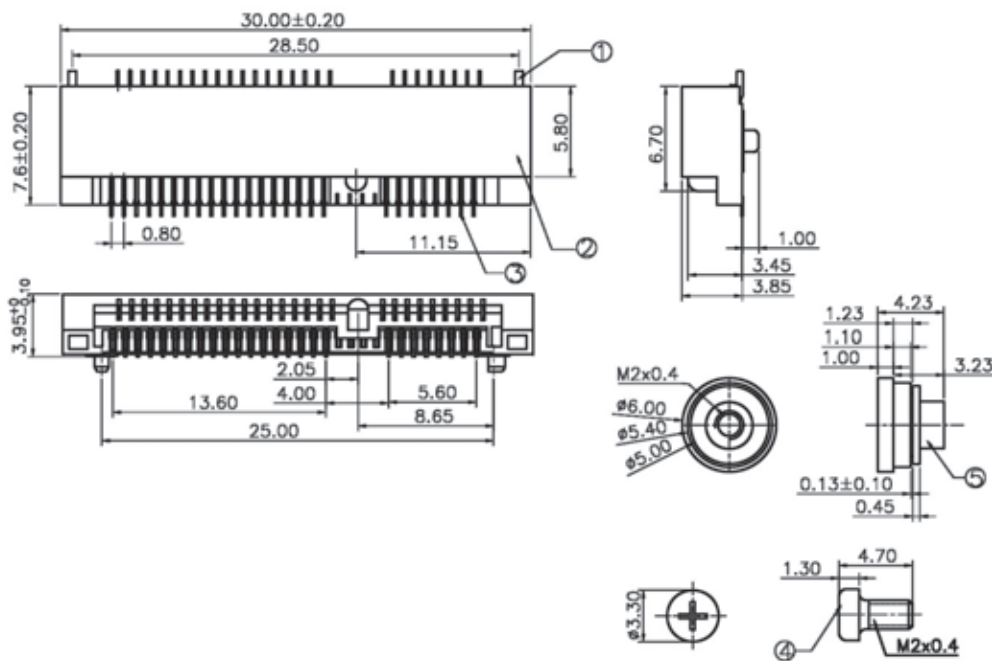
"0" TRAY

"R" REEL

0.80MM MINI PCI 52 PIN SLOT SOCKET PLASTIC HEIGHT=4.00MM



Recommended P.C.Board Layout
(Top View)



SPECIFICATIONS

Voltage Current Rating: 0.5A 50V

Contact Resistance: 55mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 300V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Bronze

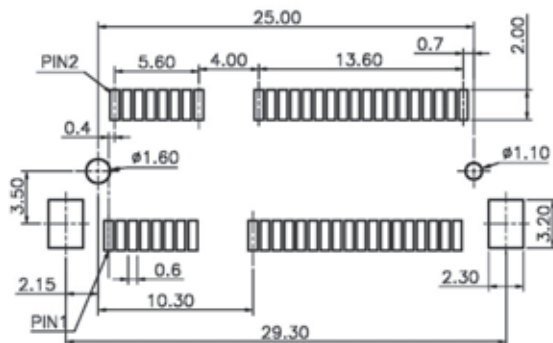
All materials must be RoHS compliant.

ORDERING INFORMATION:

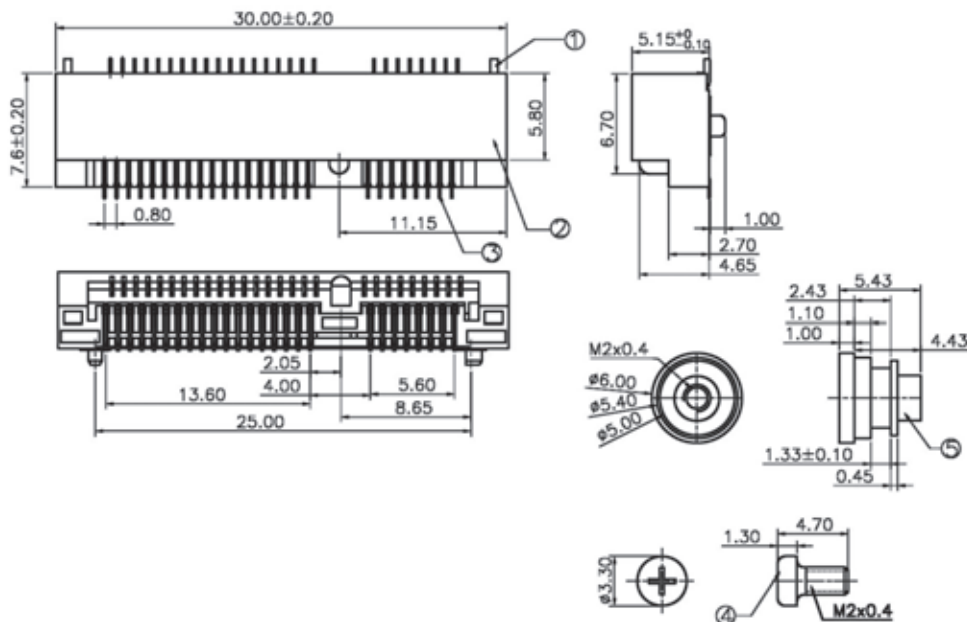
P/N 080QQ-052SBxx-x
1 2 3 4 5

1. NO. OF CONTACTS:
052
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
5. PACKAGE OPTION:
"0" TRAY
"R" TAPE & REEL

0.80MM MINI PCI 52 PIN SLOT SOCKET PLASTIC HEIGHT=5.2MM



Recommended P.C.Board Layout
(Top View)



ORDERING INFORMATION:

P/N 0 8 0 Q R - $\frac{0}{1}$ $\frac{5}{2}$ $\frac{S}{3}$ $\frac{B}{4}$ $\frac{x}{5}$ - x

1. NO. OF CONTACTS:
052
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
5. PACKAGE OPTION:
"0" TRAY
"R" TAPE & REEL

SPECIFICATIONS

Voltage Current Rating: 0.5A 50V

Contact Resistance: 55mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 300V AC

Operating Temperature: -55°C to +105°C

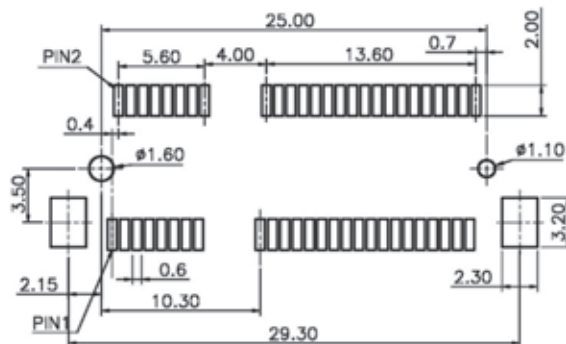
MATERIALS

Housing: High Temperature Thermoplastic

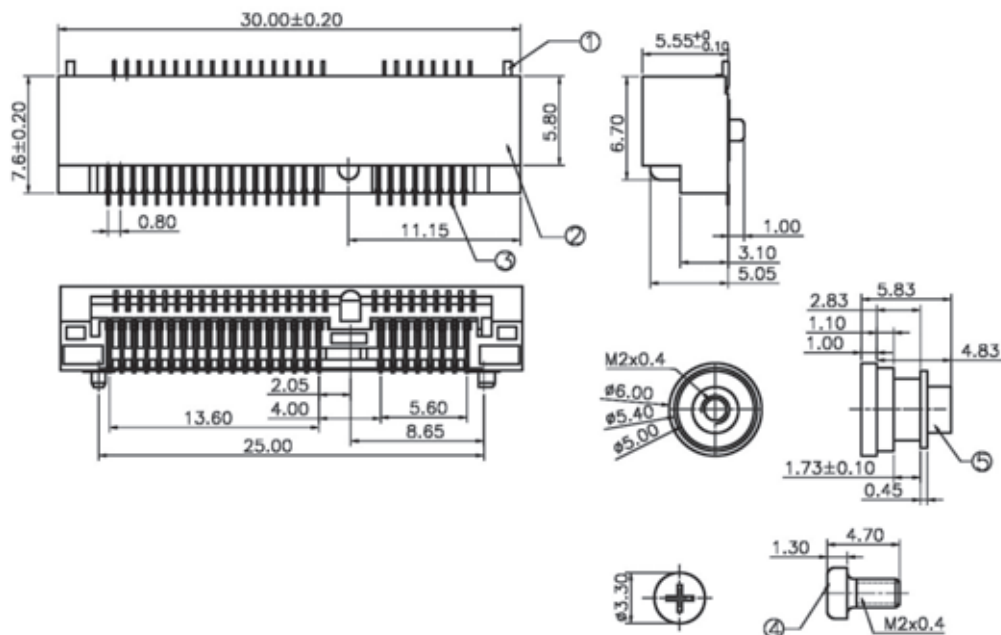
Contact: Bronze

All materials must be RoHS compliant.

0.80MM MINI PCI 52 PIN SLOT SOCKET PLASTIC HEIGHT=5.6MM



Recommended P.C.Board Layout
(Top View)



SPECIFICATIONS

Voltage Current Rating: 0.5A 50V

Contact Resistance: 50mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 300V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Bronze

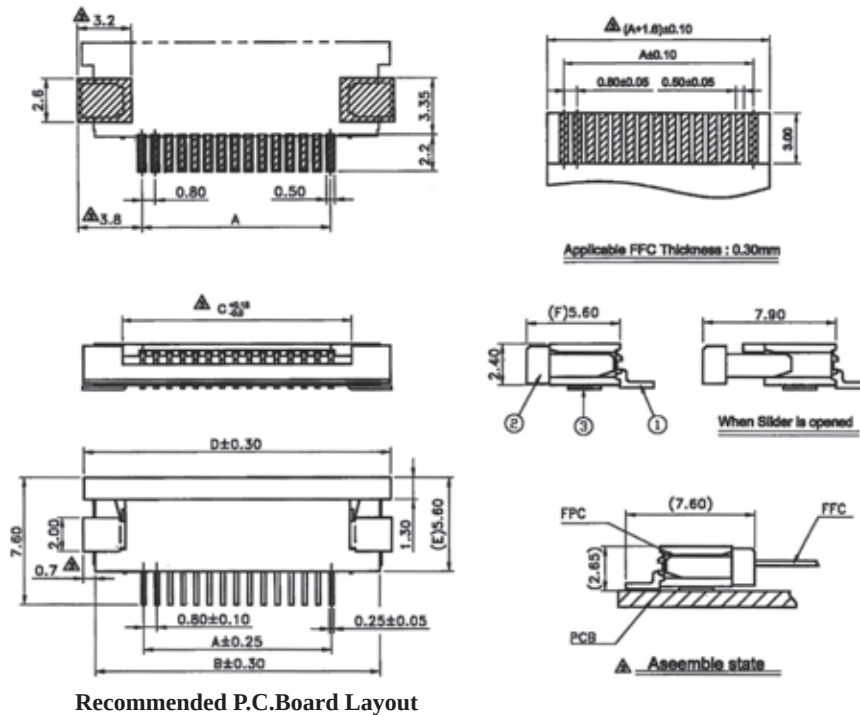
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 080QT-052GBxx-x
1 2 3 4 5

1. NO. OF CONTACTS:
052
2. CONTACT FINISH:
"G" FULL GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
5. PACKAGE OPTION:
"0" TRAY
"R" TAPE & REEL

0.80MM FFC/FPC ZIF CONNECOTR SMT TYPE WITH SINGLE BEAM UPPER CONTACTS



SPECIFICATIONS

Current Rating: 1A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 500MΩ Min.

Temperature Range: -40°C to +105°C

Contact Resistance: 20mΩ Max

MATERIAL

Contact: Phosphor Bronze, Tin Plated 120u" over 50u" Nickel

Slider: LCP UL94V-0, Black

Base: LCP UL94V-0, Natural

All materials must be RoHS compliant.

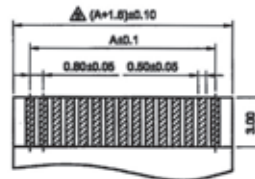
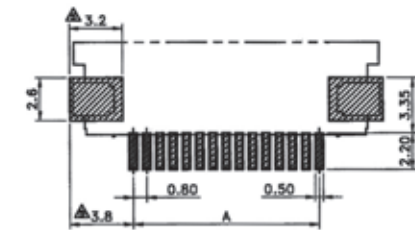
NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
04	2.40	8.20	4.10	9.50
05	3.20	9.00	4.90	10.30
06	4.00	9.80	5.70	11.10
07	4.80	10.60	6.50	11.90
08	5.60	11.40	7.30	12.70
09	6.40	12.20	8.10	13.50
10	7.20	13.00	8.90	14.30
11	8.00	13.80	9.70	15.10
12	8.80	14.60	10.50	15.90
13	9.60	15.40	11.30	16.70
14	10.40	16.20	12.10	17.50
15	11.20	17.00	12.90	18.30
16	12.00	17.80	13.70	19.10
17	12.80	18.60	14.50	19.90
18	13.60	19.40	15.30	20.70
19	14.40	20.20	16.10	21.50
20	15.20	21.00	16.90	22.30
21	16.00	21.80	17.70	23.10
22	16.80	22.60	18.50	23.90
23	17.60	23.40	19.30	24.70
24	18.40	24.20	20.10	25.50
25	19.20	25.00	20.90	26.30
26	20.00	25.80	21.70	27.10
27	20.80	26.60	22.50	27.90
28	21.60	27.40	23.30	28.70
29	22.40	28.20	24.10	29.50
30	23.20	29.00	24.90	30.30
31	24.00	29.80	25.70	31.10
32	24.80	30.60	26.50	31.90

ORDERING INFORMATION:

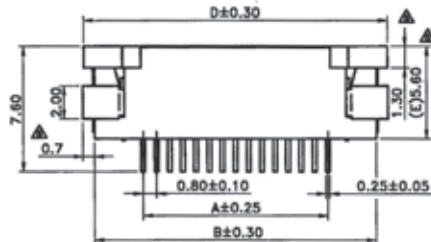
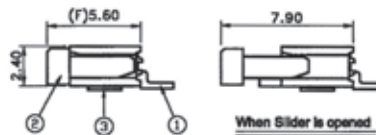
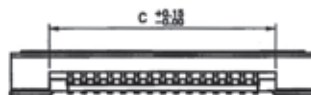
P/N 080 BU - xxx TV - T

- CONTACT TYPE:
"BU" UPPER CONTACT TYPE
- NO. OF CONTACTS:
004 ~ 032
- PACKAGE TYPE:
"T" TUBE

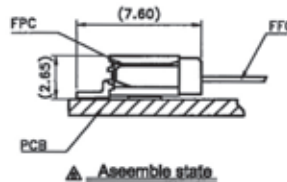
0.80MM FFC/FPC ZIF CONNECOTR SMT TYPE WITH SINGLE BEAM LOWER CONTACTS



Applicable FFC Thickness : 0.30mm



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 500MΩ Min.

Temperature Range: -40°C to +105°C

Contact Resistance: 20mΩ Max

MATERIAL

Contact: Phosphor Bronze, Tin Plated 120u" over 50u" Nickel

Slider: LCP UL94V-0, Black

Base: LCP UL94V-0, Natural

All materials must be RoHS compliant.

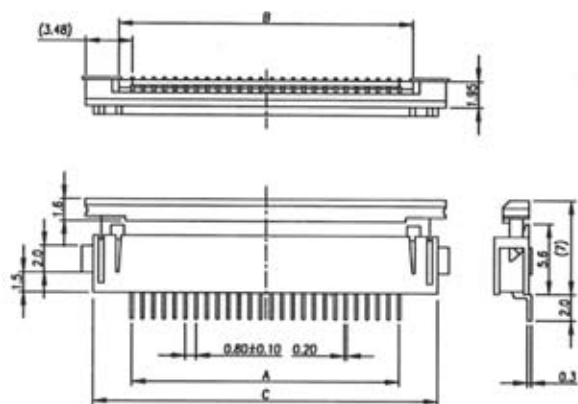
NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
04	2.40	8.20	4.10	9.50
05	3.20	9.00	4.90	10.30
06	4.00	9.80	5.70	11.10
07	4.80	10.60	6.50	11.90
08	5.60	11.40	7.30	12.70
09	6.40	12.20	8.10	13.50
10	7.20	13.00	8.90	14.30
11	8.00	13.80	9.70	15.10
12	8.80	14.60	10.50	15.90
13	9.60	15.40	11.30	16.70
14	10.40	16.20	12.10	17.50
15	11.20	17.00	12.90	18.30
16	12.00	17.80	13.70	19.10
17	12.80	18.60	14.50	19.90
18	13.60	19.40	15.30	20.70
19	14.40	20.20	16.10	21.50
20	15.20	21.00	16.90	22.30
21	16.00	21.80	17.70	23.10
22	16.80	22.60	18.50	23.90
23	17.60	23.40	19.30	24.70
24	18.40	24.20	20.10	25.50
25	19.20	25.00	20.90	26.30
26	20.00	25.80	21.70	27.10
27	20.80	26.60	22.50	27.90
28	21.60	27.40	23.30	28.70
29	22.40	28.20	24.10	29.50
30	23.20	29.00	24.90	30.30
31	24.00	29.80	25.70	31.10
32	24.80	30.60	26.50	31.90

ORDERING INFORMATION:

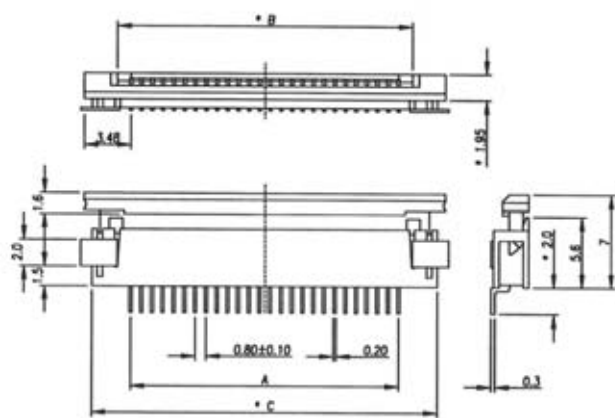
P/N 0 8 0 B W - x x x T V - x

- CONTACT TYPE:
"BW" LOWER CONTACT TYPE
- NO. OF CONTACTS:
004 ~ 032
- PACKAGE TYPE:
"T" TUBE

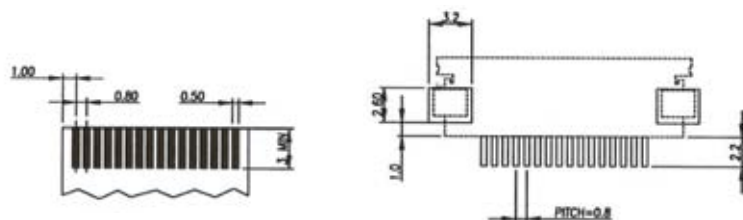
0.80MM(0.032") FPC ZIF CONNECTOR SMT TYPE



080ZB



080ZT



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 200V AC

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Nylon UL94V-0

Contact: Phosphor Bronze

All materials must be RoHS compliant.

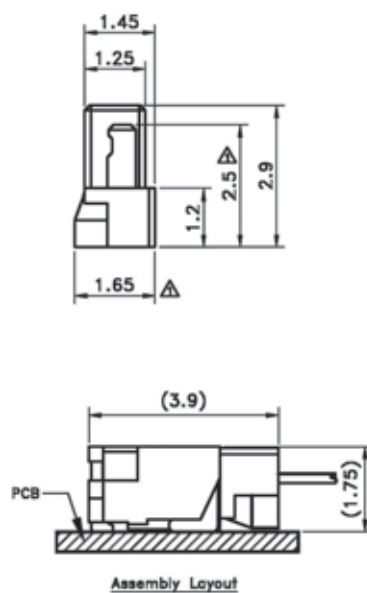
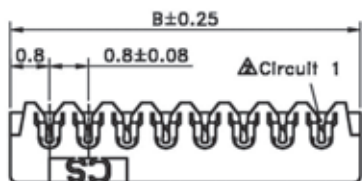
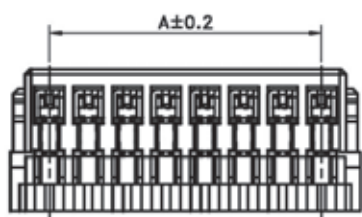
NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
03	1.60	3.65	7.40
04	2.40	4.45	8.20
05	3.20	5.25	9.00
06	4.00	6.05	9.80
07	4.80	6.85	10.60
08	5.60	7.65	11.40
09	6.40	8.45	12.20
10	7.20	9.25	13.00
11	8.00	10.05	13.80
12	8.80	10.85	14.60
13	9.60	11.65	15.40
14	10.40	12.45	16.20
15	11.20	13.25	17.00
16	12.00	14.05	17.80
17	12.80	14.85	18.60
18	13.60	15.65	19.40
19	14.40	16.45	20.20
20	15.20	17.25	21.00
21	16.00	18.05	21.80
22	16.80	18.85	22.60
23	17.60	19.65	23.40
24	18.40	20.45	24.20
25	19.20	21.25	25.00
26	20.00	22.05	25.80
27	20.80	22.85	26.60
28	21.60	23.65	27.40
29	22.40	24.45	28.20
30	23.20	25.25	29.00

ORDERING INFORMATION:

P/N 080 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{T}{3}$ W - $\frac{T}{4}$

- CONTACT TYPE:
"ZB" BOTTOM ENTRY
"ZT" TOP ENTRY
- NO. OF CONTACTS:
003 ~ 030
- CONTACT FINISH:
"T" FULL TIN PLATED
- PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE

0.80MM WIRE-TO-BOARD CONNECTOR SYSTEM (A1)



SPECIFICATIONS

Current Rating: 0.5A AC/DC(AWG#32)
0.2A AC/DC(AWG#36)

Withstanding Voltage: 200V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Base: LCP, UL94V-0, Natural Color

Contact: Copper Alloy, Gold Flash Plated
or Tin Plated or Mat-Tin Plated

All materials must be RoHS compliant.

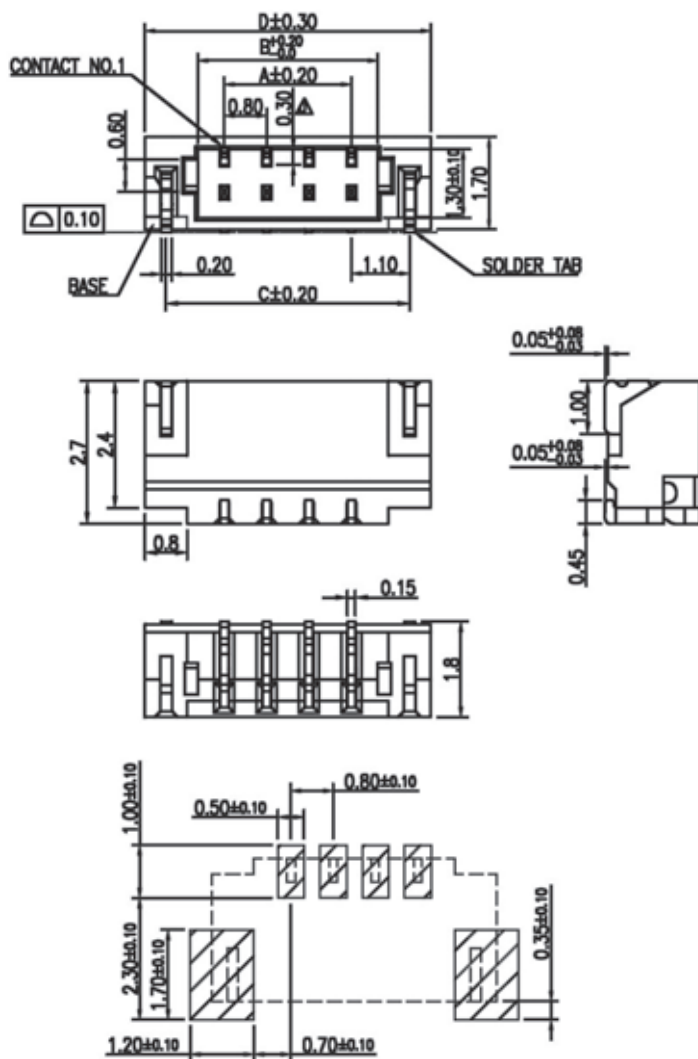
NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
02	0.80	2.40
03	1.60	3.20
04	2.40	4.00
05	3.20	4.80
06	4.00	5.60
07	4.80	6.40
08	5.60	7.20
09	6.40	8.00
10	7.20	8.80
11	8.00	9.60
12	8.80	10.40
13	9.60	11.20
14	10.40	12.00
15	11.20	12.80
16	12.00	13.60
17	12.80	14.40
18	13.60	15.20
19	14.40	16.00
20	15.20	16.80
21	16.00	17.60
22	16.80	18.40

ORDERING INFORMATION:

P/N 0 8 0 JH - xxx H V
1 2 3

1. CONNECTOR TYPE:
"JH" IDC TYPE HOUSING
2. NO. OF CONTACTS:
002 ~ 022
3. INSULATOR COLOR:
"V" BEIGE

0.80MM WIRE-TO-BOARD CONNECTOR SYSTEM (A2)



Recommended P.C.Board Layout

SPECIFICATIONS

Voltage Rating: 30V (DC)

Current Rating: 0.5A AC/DC(AWG#32)
0.2A AC/DC(AWG#36)

Withstanding Voltage: 200V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Base: Nylon 9T, UL94V-0, Natural Color

Contact: Copper Alloy, Gold Flash Plated
or Tin Plated or Mat-Tin Plated

Nail: Brass, Gold Flash Plated or
Tin Plated or Mat-Tin Plated

All materials must be RoHS compliant.

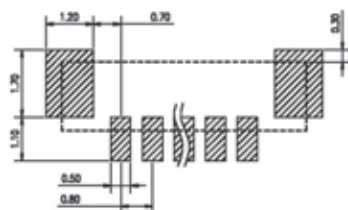
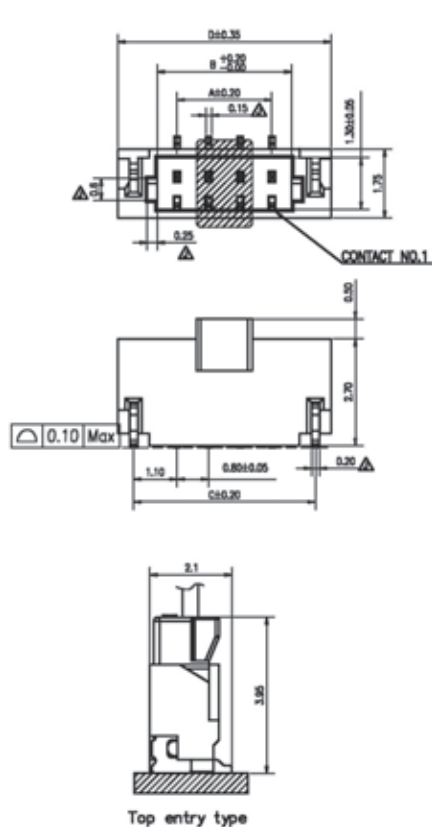
NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
02	0.80	1.80	3.00	3.80
03	1.60	2.60	3.80	4.60
04	2.40	3.40	4.60	5.40
05	3.20	4.20	5.40	6.20
06	4.00	5.00	6.20	7.00
07	4.80	5.80	7.00	7.80
08	5.60	6.60	7.80	8.60
09	6.40	7.40	8.60	9.40
10	7.20	8.20	9.40	10.20
11	8.00	9.00	10.20	11.00
12	8.80	9.80	11.00	11.80
13	9.60	10.60	11.80	12.60
14	10.40	11.40	12.60	13.40
15	11.20	12.20	13.40	14.20
16	12.00	13.00	14.20	15.00
17	12.80	13.80	15.00	15.80
18	13.60	14.60	15.80	16.60
19	14.40	15.40	16.60	17.40
20	15.20	16.20	17.40	18.20
21	16.00	17.00	18.20	19.00
22	16.80	17.80	19.00	19.80

ORDERING INFORMATION:

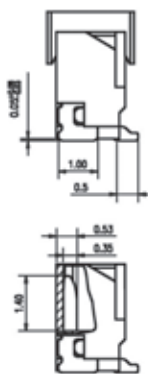
P/N 0 8 0 JR - x x x x V - R
1 2 3 4 5

- CONNECTOR TYPE:
"JR" RIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
002 ~ 022
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
"MT" FULL MATTE TIN PLATED
- INSULATOR COLOR:
"V" BEIGE
- PACKAGE TYPE:
"R" TAPE & REEL

0.80MM WIRE-TO-BOARD CONNECTOR SYSTEM (A3)



Recommended P.C.Board Layout



SPECIFICATIONS

Voltage Rating: 30V (DC)

Current Rating: 0.5A AC/DC(AWG#32)
0.2A AC/DC(AWG#36)

Withstanding Voltage: 200V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Base: Nylon 9T, UL94V-0, Natural Color

Contact: Copper Alloy, Gold Flash Plated
or Tin Plated or Mat-Tin Plated

Nail: Brass, Gold Flash Plated or
Tin Plated or Mat-Tin Plated

All materials must be RoHS compliant.

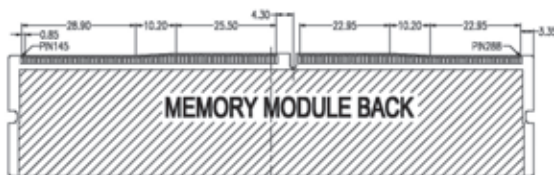
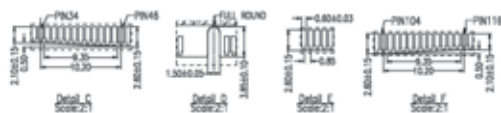
NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
02	0.80	1.80	3.00	3.80
03	1.60	2.60	3.80	4.60
04	2.40	3.40	4.60	5.40
05	3.20	4.20	5.40	6.20
06	4.00	5.00	6.20	7.00
07	4.80	5.80	7.00	7.80
08	5.60	6.60	7.80	8.60
09	6.40	7.40	8.60	9.40
10	7.20	8.20	9.40	10.20
11	8.00	9.00	10.20	11.00
12	8.80	9.80	11.00	11.80
13	9.60	10.60	11.80	12.60
14	10.40	11.40	12.60	13.40
15	11.20	12.20	13.40	14.20
16	12.00	13.00	14.20	15.00
17	12.80	13.80	15.00	15.80
18	13.60	14.60	15.80	16.60
19	14.40	15.40	16.60	17.40
20	15.20	16.20	17.40	18.20
21	16.00	17.00	18.20	19.00
22	16.80	17.80	19.00	19.80

ORDERING INFORMATION:

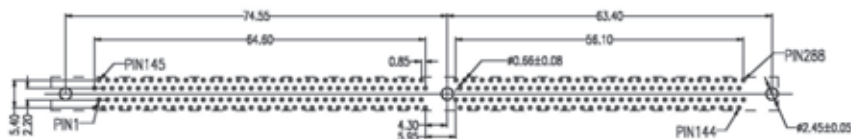
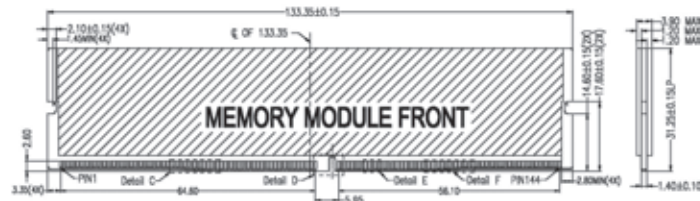
P/N 0 8 0 JS - $\frac{x}{1}$ $\frac{x}{2}$ $\frac{x}{3}$ $\frac{x}{4}$ V - $\frac{Q}{5}$

- CONNECTOR TYPE:
"JS" STRAIGHT SMT TYPE
- NO. OF CONTACTS:
002 ~ 022
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
"MT" FULL MATTE TIN PLATED
- INSULATOR COLOR:
"V" BEIGE
- PACKAGE TYPE:
"Q" WITH PAD IN TAPE & REEL

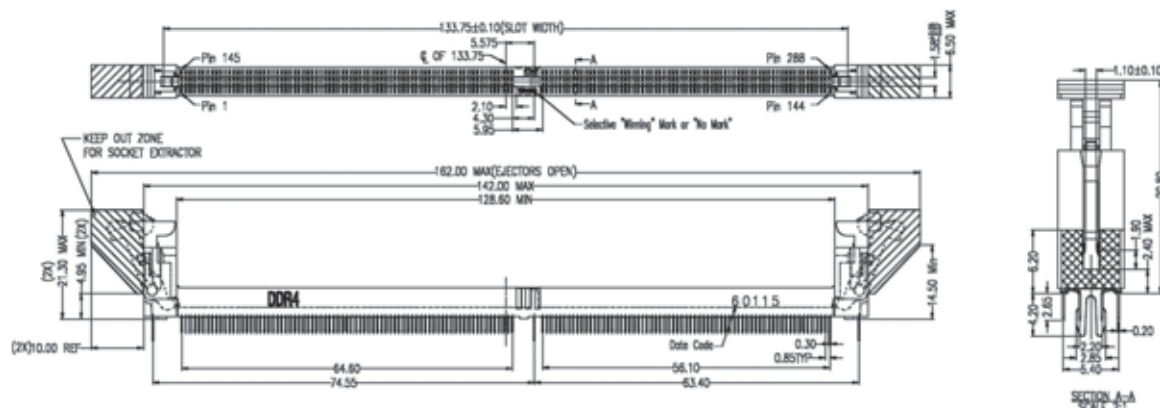
0.85MM(0.034") PITCH 288 PIN DDR4 SOCKET STRAIGHT DIP TYPE



Recommended Memory Module Layout



Recommended P.C.Board Layout
(Top View)



ORDERING INFORMATION:

P/N 0 8 5 D 4 - 2 8 8 S x x x
1 2 3 4

1. NO. OF CONTACTS:
288
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK BODY WITH WHITE EJECTORS
"W" WHITE BODY WITH WHITE EJECTORS
4. GOLD PLATING OF CONTACTS:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SPECIFICATIONS

Contact Resistance: 10mΩ Max.

Insulator Resistance: 500V DC 1MΩ Min.

Withstand Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Body: Nylon 66+30%G.F, UL94V-0

Ejector: Nylon 66+30%G.F, UL94V-0

Contact: Brass

Plating: Au Plating On Contact Area

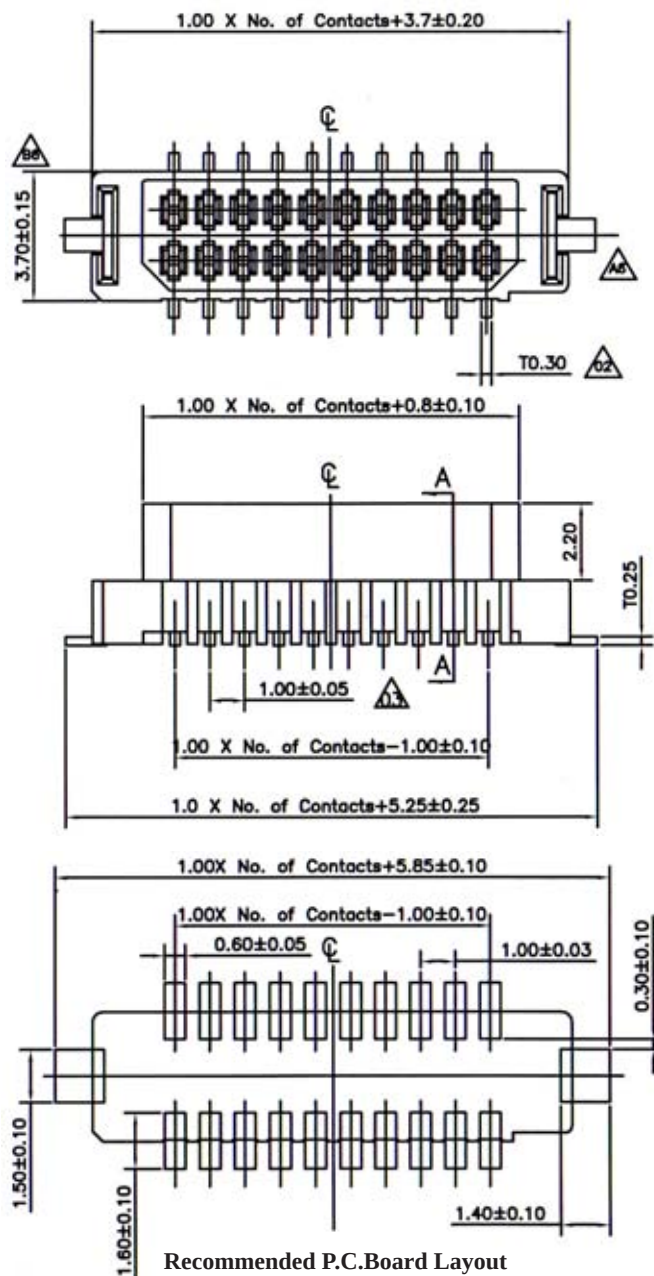
Sn (100u" Min) Plating On Solder Tail

Ni (50u" Min) Contact Underplating Overall

Harpoon: Brass

All materials must be RoHS compliant.

1.00MMx1.45MM BOARD-TO-BOARD SMT SOCKET (A1)

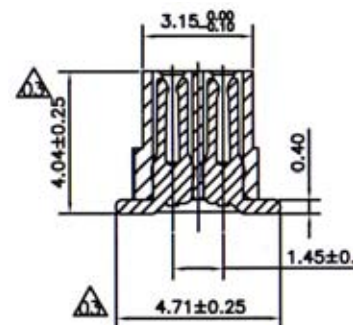


SPECIFICATIONS

Current Rating: 0.5 Amp
 Dielectric Withstand: 200V AC
 Insulator Resistance: 5000 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C
 Max Process Temp: 230°C for 30-60 sec.

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T
 Contacts: Phosphor Bronze
 All materials must be RoHS compliant.



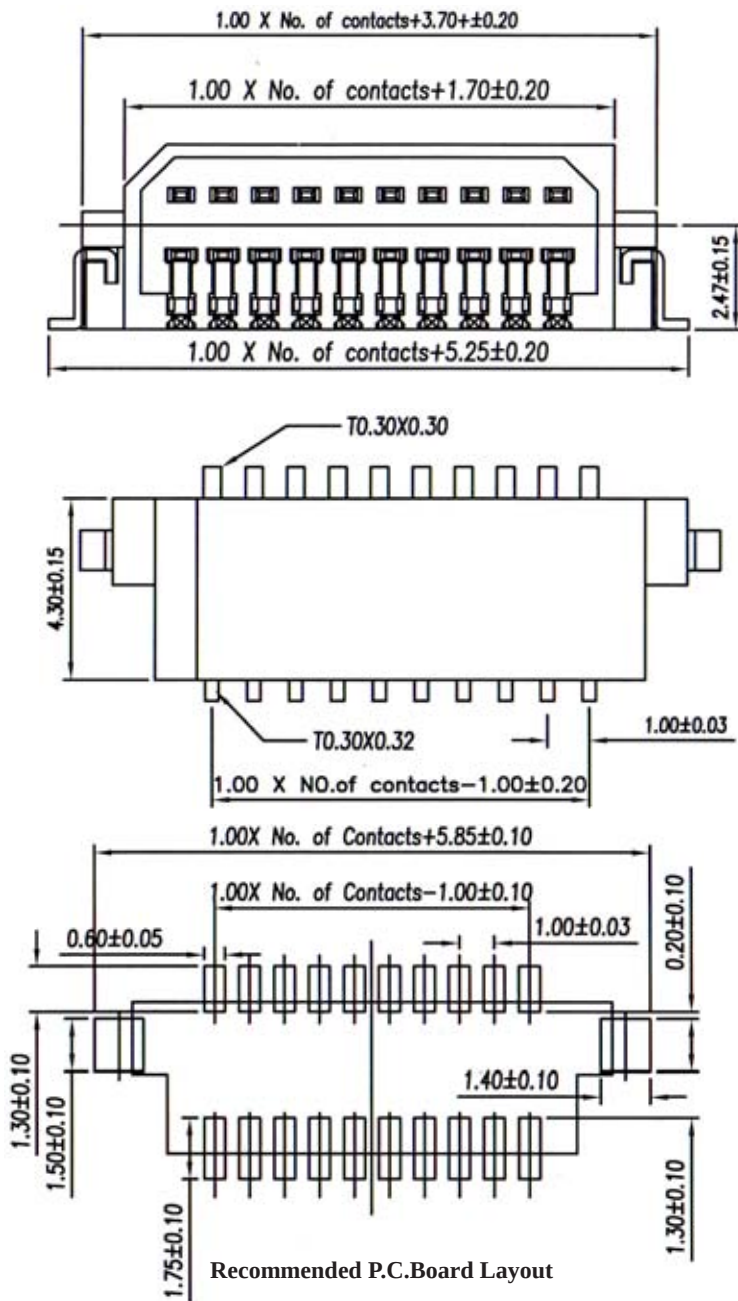
ORDERING INFORMATION:

P/N 100F1 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} V - \frac{x}{3}$

1. NO. OF CONTACTS:
010 ~ 030
2. CONTACT FINISH:
"G" FULL GOLD PLATED
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

NOTE: MATES with 100M1

1.00MMx1.45MM BOARD-TO-BOARD SMT PLUG (A2)

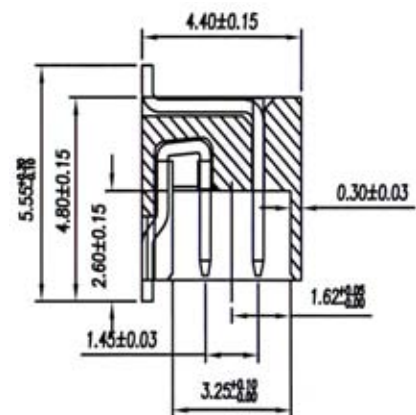


SPECIFICATIONS

Current Rating: 0.5 Amp
 Dielectric Withstand: 200V AC
 Insulator Resistance: 5000 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C
 Max Process Temp: 230°C for 30~60 sec.

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T
 Contacts: Phosphor Bronze
 All materials must be RoHS compliant.



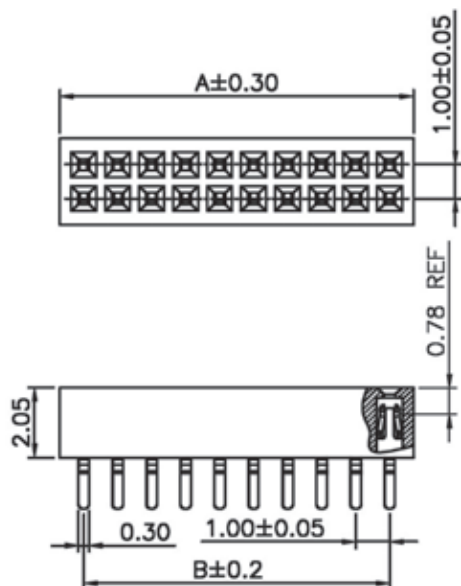
ORDERING INFORMATION:

P/N 1 0 0 M 1 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} V - \frac{x}{3}$

1. NO. OF CONTACTS:
010 ~ 030
2. CONTACT FINISH:
"G" FULL GOLD PLATED
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

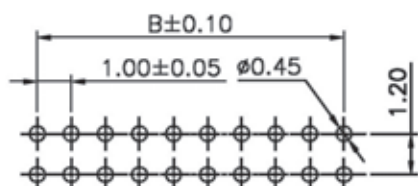
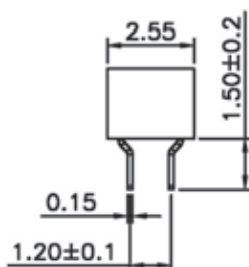
NOTE: MATES with 100F1

1.00MM (0.039") FEMALE HEADER DOUBLE ROW STRAIGHT TYPE ROFILE=2.05MM



$$A = B + 1.40$$

$$B = (\text{NO. OF CONTACTS} / 2 - 1) \times 1.00$$



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Dielectric Strength: 500V AC Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T, UL94V-0

Contact: Phosphor Bronze

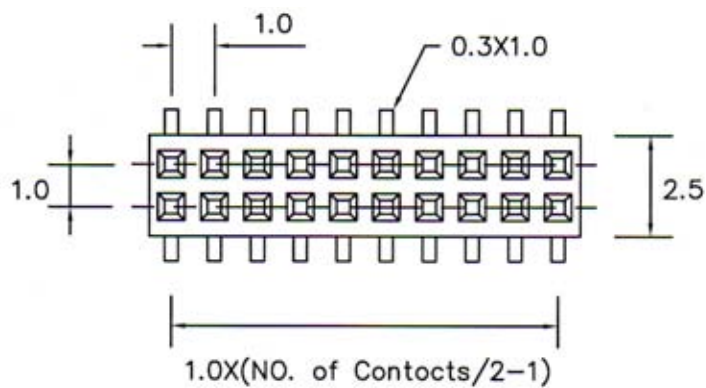
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 100FB - $\frac{1}{2}$ $\frac{x}{x}$ $\frac{x}{x}$ B

1. NO. OF CONTACTS:
004 ~ 100
2. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.00MM(0.039") FEMALE HEADER TOP ENTRY SMT TYPE PROFILE=2.05MM



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 200V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

Max Process Temp: 230°C for 30~60 sec.

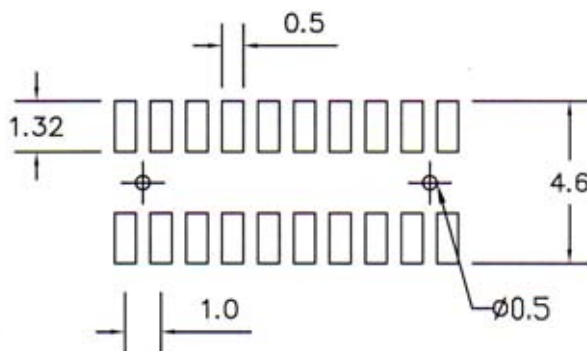
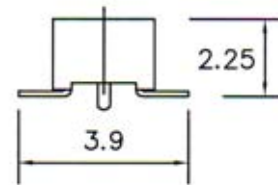
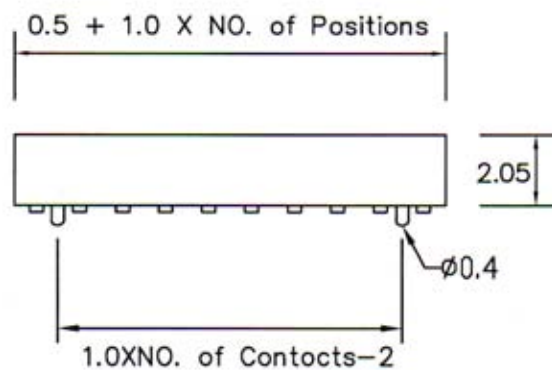
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:

"GU" W/O LOCATING PEG

"GW" WITH LOCATING PEG

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

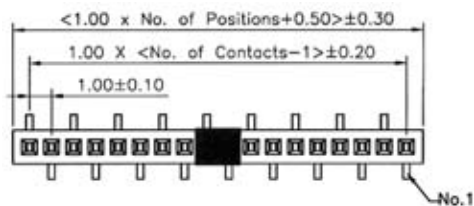
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

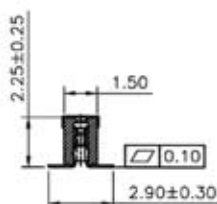
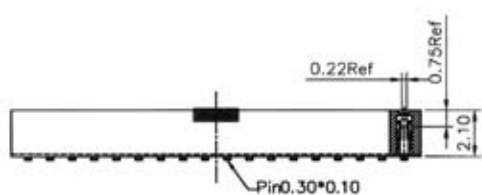
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & place Pad

1.00MM(0.039") FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=2.10MM



100HE



SPECIFICATIONS

Current Rating: 1.0 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 300V AC

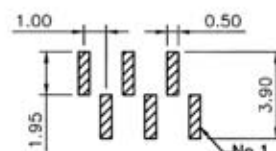
Operating Temperature: -40°C to +125°C

MATERIALS

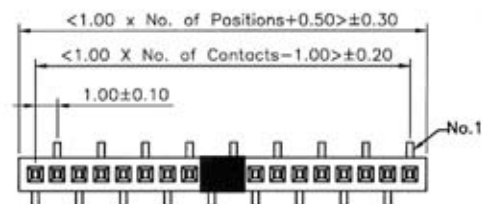
Insulator: Polyester UL94V-0 LCP

Contact: Phosphor Bronze

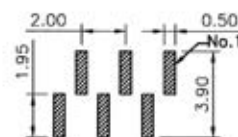
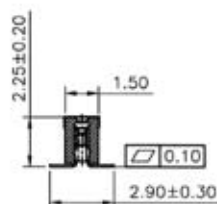
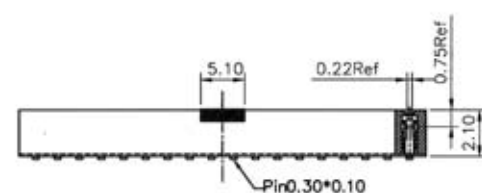
All materials must be RoHS compliant.



Recommended P.C.Board Layout
Type A



100HF



Recommended P.C.Board Layout
Type B

ORDERING INFORMATION:

P/N 1 0 0 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B - $\frac{X}{4}$

1. PCB LAYOUT OPTION:

"HE" TYPE A

"HF" TYPE B

2. NO. OF CONTACTS:

002 ~ 040

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

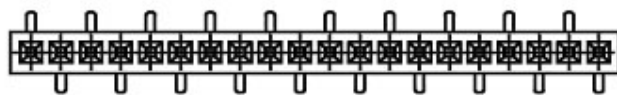
"F" WITH FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

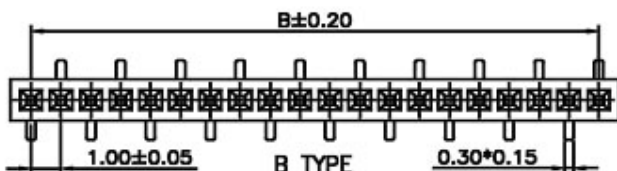
"R" W/O PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=2.10MM



A TYPE



B TYPE

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

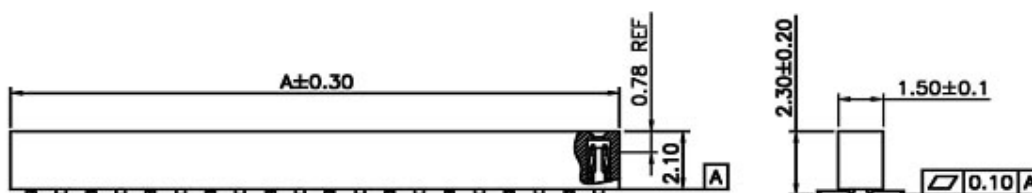
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP UL94V-0, Black

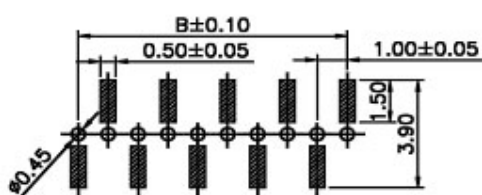
Contact: Phosphor Bronze

All materials must be RoHS compliant.

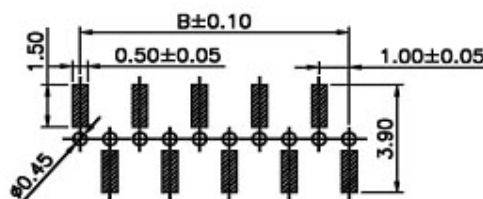


$$A = B + 1.40$$

$$B = 1.00 \times (\text{NO. OF CONTACTS} - 1)$$



Recommended P.C.Board Layout
B Type



Recommended P.C.Board Layout
A Type

ORDERING INFORMATION:

P/N 1 0 0 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B - $\frac{X}{4}$

1. PCB LAYOUT TYPE:

"HP" A TYPE

"HQ" B TYPE

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

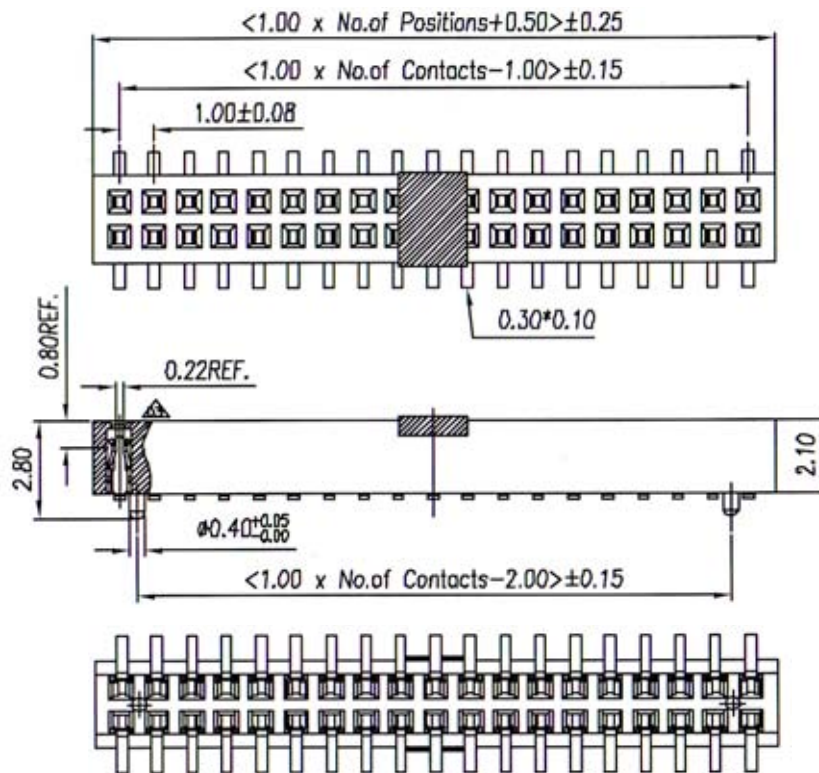
"F" WITH FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

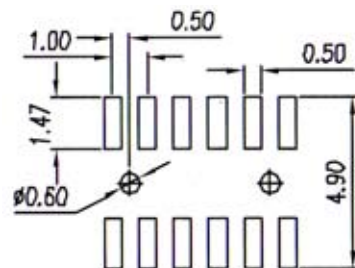
"R" W/O FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=2.10MM



Recommended P.C.Board Layout
For Bottom Entry



Recommended P.C.Board Layout
For Top Entry

SPECIFICATIONS

Current Rating: 0.5 Amp
Dielectric Withstand: 200V AC
Insulator Resistance: 5000 M Ω min.
Contact Resistance: 20m Ω Max.
Operating Temperature: -40 $^{\circ}$ C to +105 $^{\circ}$ C
Max Process Temp: 230 $^{\circ}$ C for 30~60 sec.

MATERIALS

Insulator: Polyester, UL94V-0
LCP
Contacts: Phosphor Bronze
All materials must be RoHS compliant.

ORDERING INFORMATION:

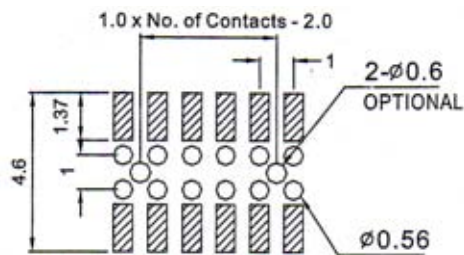
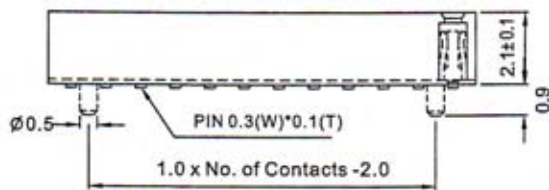
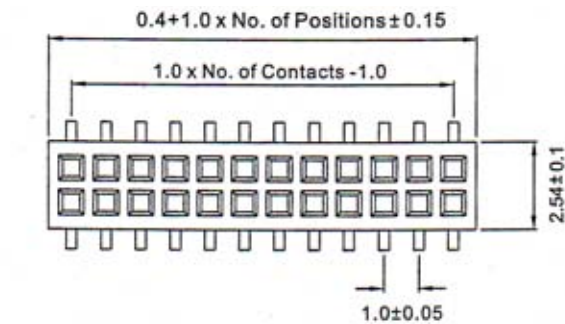
P/N 1 0 0 $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{x}{4}$ B - $\frac{x}{4}$

- CONNECTOR TYPE:
"FQ" W/O LOCATING PEG
"GX" WITH LOCATING PEG
- NO. OF CONTACTS:
006 ~ 080
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

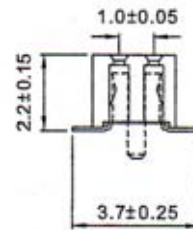
- PAD, FILM & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL
"F" WITH FILM IN TUBE
"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") FEMALE HEADER DUAL ENTRY SMT TYPE PROFILE=2.10MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 Amp
Dielectric Withstand: 200V AC
Insulator Resistance: 5000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C
Max Process Temp: 230°C for 30~60 sec.

MATERIALS

Insulator: Polyester, UL94V-0
 LCP
Contacts: Phosphor Bronze
 All materials must be RoHS compliant.

ORDERING INFORMATION:

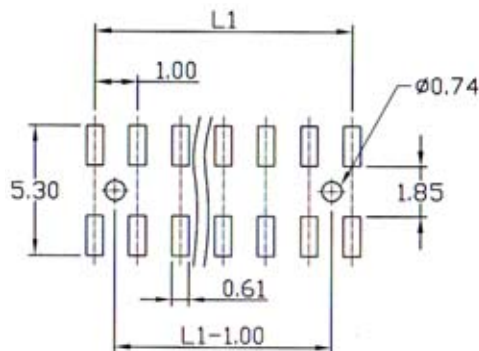
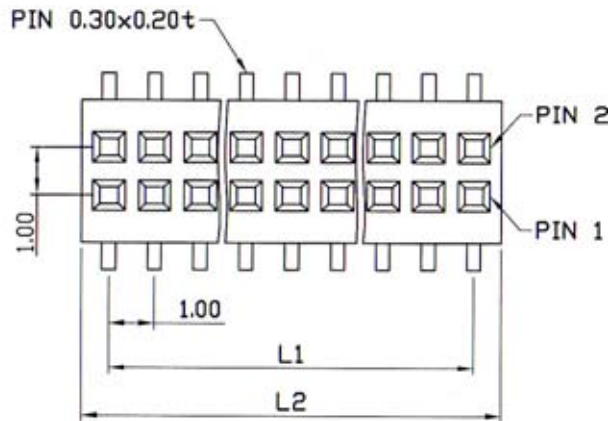
P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:
 "GN" W/O LOCATING PEG
 "GR" WITH LOCATING PEG
2. NO. OF CONTACTS:
 006 ~ 100
3. CONTACT FINISH:
 "G" FULL GOLD PLATED
 "T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:
 "T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & place Pad

1.00MM(0.039") FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=3.05MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 200V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

Max Process Temp: 230°C for 30~60 sec.

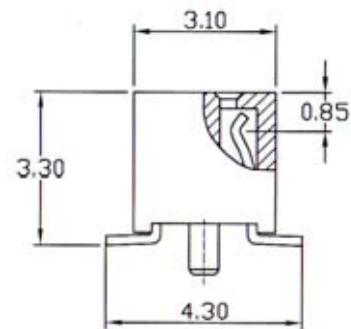
MATERIALS

Insulator: Polyester, UL94V-0

LCP

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



DIMENSIONS:

L1 = 1.00 x (No. of Contacts / Row-1)

L2 = 1.00 x No. of Contacts / Row+0.40

ORDERING INFORMATION:

P/N 1 0 0 G V - x x x x B - x

1 2 3 4

1. LOCATING PEG OPTION:

"GV" WITH LOCATING PEG ONLY

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

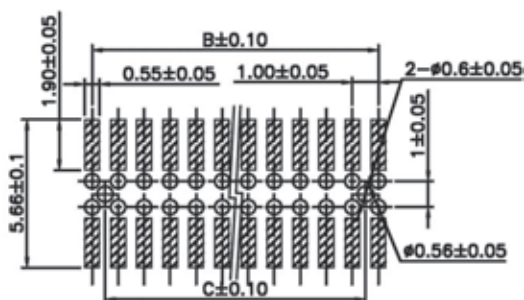
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

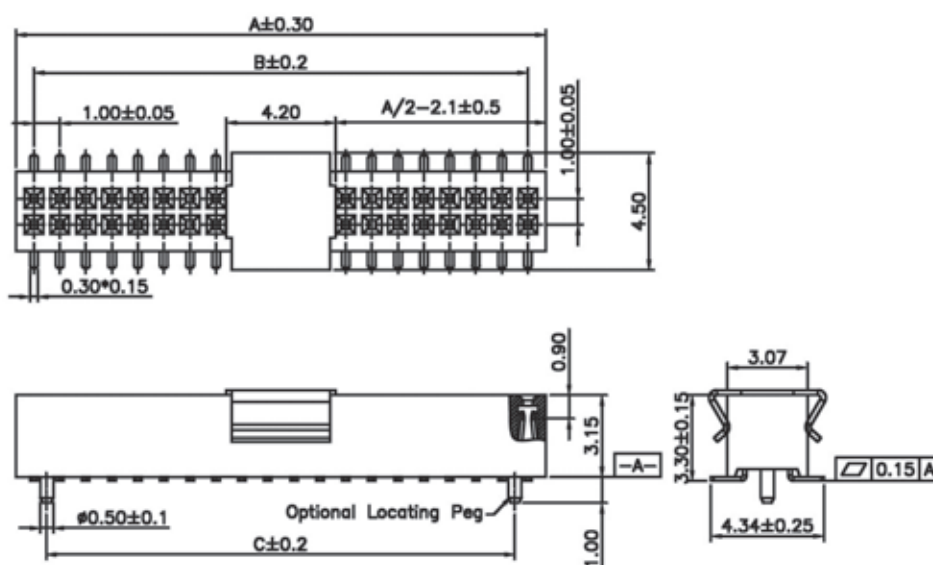
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & place Pad

1.00MM(0.039") FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=3.15MM



Recommended P.C.Board Layout



$$A = B + 1.40$$

$$B = 1.00 \times (\text{NO. OF CONTACTS} / 2 - 1)$$

$$C = B - 1.00$$

ORDERING INFORMATION:

P/N 1 0 0 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

1. LOCATING PEG OPTION:
"KA" WITHOUT LOCATING PEGS
"KB" WITH LOCATING PEGS
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL
"F" WITH FILM IN TUBE
"G" WITH FILM IN TAPE & REEL

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +125°C

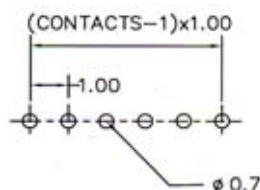
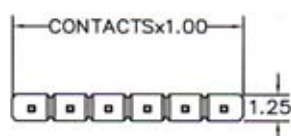
MATERIALS

Insulator: LCP UL94V-0, Black

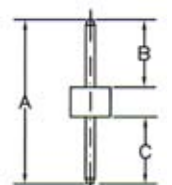
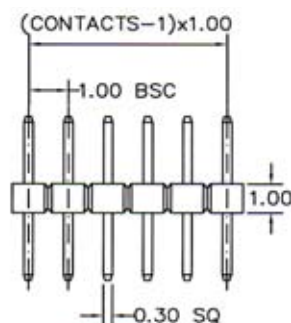
Contact: Phosphor Bronze

All materials must be RoHS compliant.

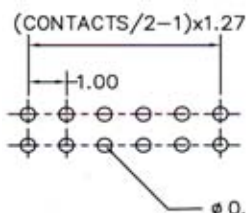
1.00MM(0.039") PIN HEADER STRAIGHT TYPE PROFILE= 1.00MM



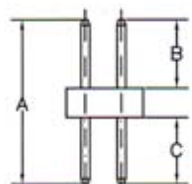
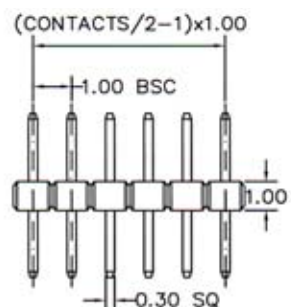
Recommended P.C.Board Layout



SINGLE ROW



Recommended P.C.Board Layout



DOUBLE ROW

SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

SINGLE ROW	DOUBLE ROW	A	B	C
PG	PH	6.0	3.0	2.0
PJ	PM	4.1	1.9	1.2
PK	PN	10.7	3.2	6.5
QB	PX	5.8	3.3	1.5
PB	PC	6.3	2.7	2.6
PE	PF	7.0	3.0	3.0
PQ	QC	5.5	2.5	2.0

ORDERING INFORMATION:

P/N 1 0 0 xx - xxx G B
1 2 3

1. TERMINAL TYPE:

PG, PJ, PK, QB, PB, PE, PQ,
PH, PM, PN, PX, PC, PF, QC

2. NO. OF CONTACTS:

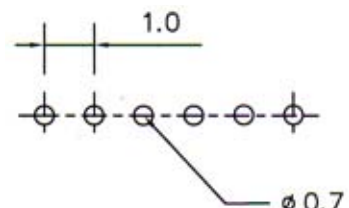
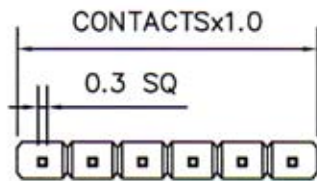
002 ~ 050 FOR SINGLE ROW
004 ~ 100 FOR DOUBLE ROW

3. CONTACT FINISH:

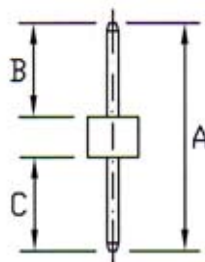
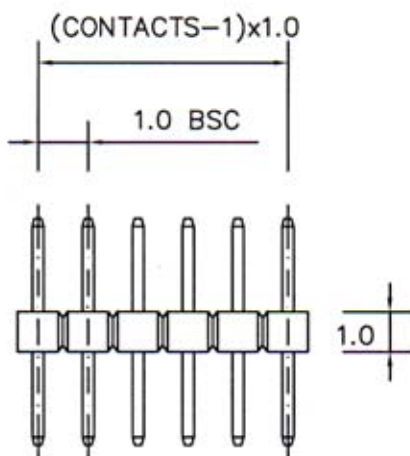
"G" FULL GOLD PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER SINGLE ROW STRAIGHT TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 500 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -40°C to + 105°C

Max Process Temp: 230°C for 30~60 sec.
(260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 1 1 S 6 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1S6

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

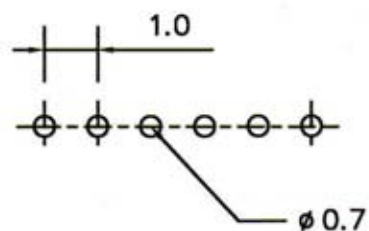
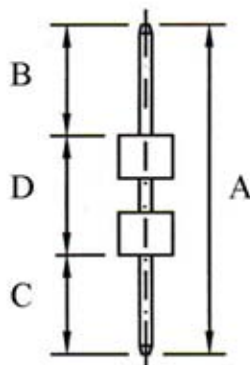
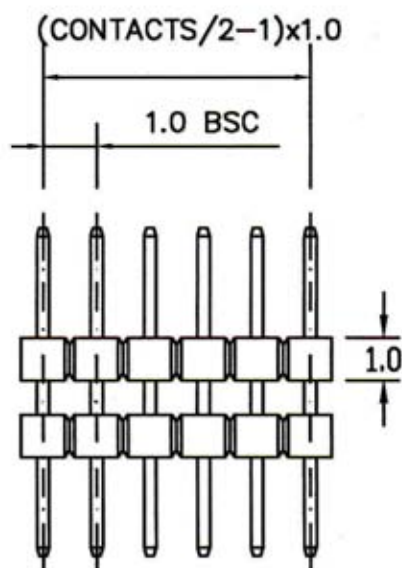
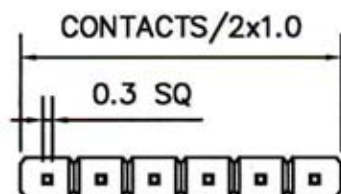
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER SINGLE ROW DOUBLE BODY STRAIGHT DIP TYPE PROFILE=1.00MM



Recommended P.C.Board Layout

P/N	A	B	C	D
PZ	6.80	2.00	1.60	3.20
QV	20.90	5.00	1.90	14.00
QW	11.00	2.00	2.50	6.50

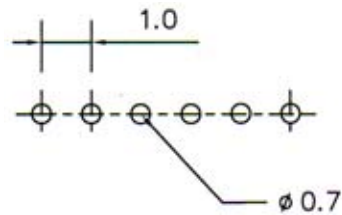
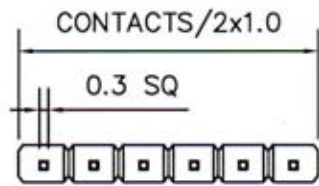
ORDERING INFORMATION:

P/N 1 0 0 xx - xxx x B
 1 2 3

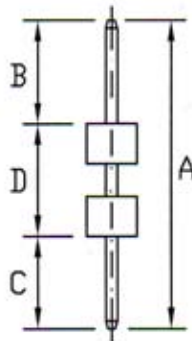
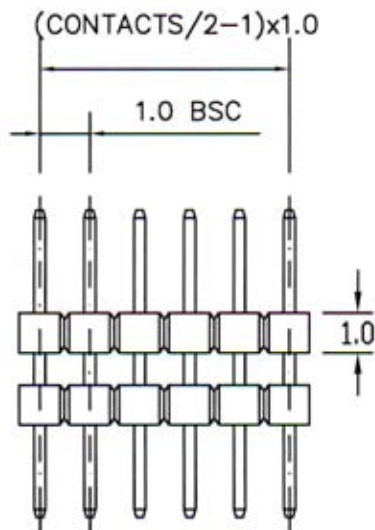
- CONTACT TYPE:
PZ, QV, QW
- NO. OF CONTACTS:
002 ~ 050
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER SINGLE ROW STRAIGHT TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

Max Process Temp: 230°C for 30~60 sec.
(260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

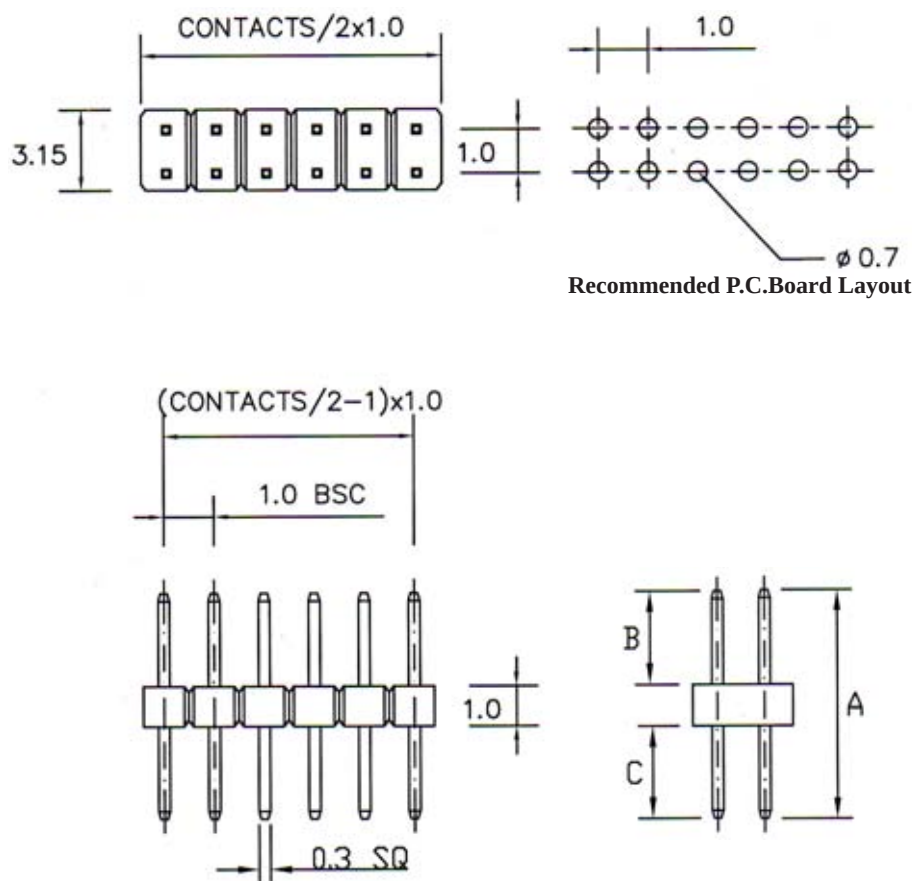
CODE: 1 0 1 1 S 8 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
1S8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

Max Process Temp: 230°C for 30~60 sec.
(260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

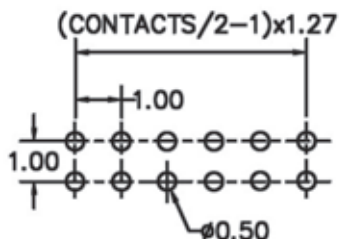
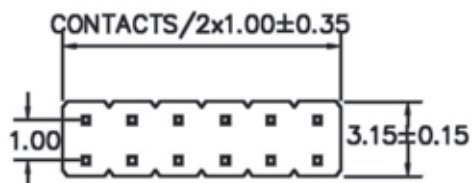
CODE: 1 0 0 2 S 6 - A/B/C - x x x x B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

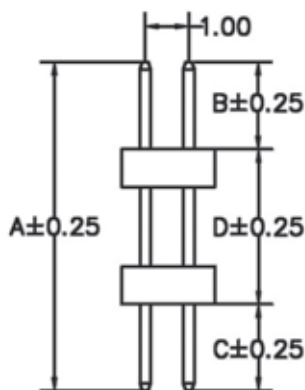
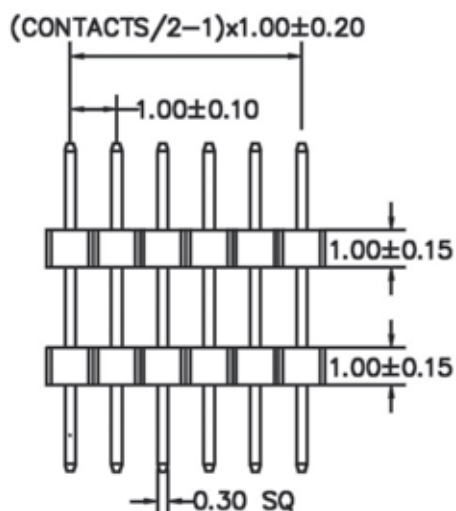
P/N P x x x x x x - x x x x B

1. EXTERIOR CODE:
2S6
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

CODE	A	B	C	D
QN	6.60	1.80	2.00	2.80
QZ	11.00	2.00	2.50	6.50

ORDERING INFORMATION:

P/N 1 0 0 XX - XXX X B
1 2 3

1. PIN LENGTH:

QN, QZ

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGN!

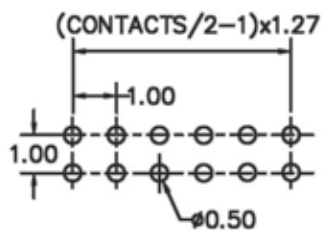
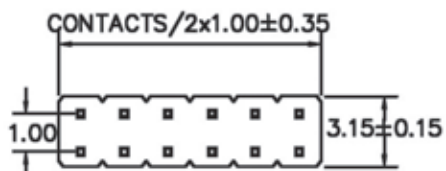
1.00MM (0.039") PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.00MM

SPECIFICATIONS

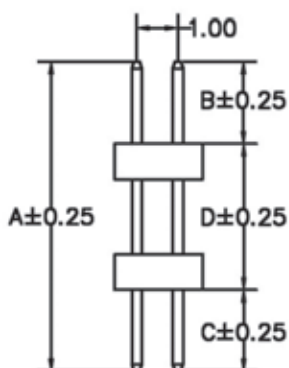
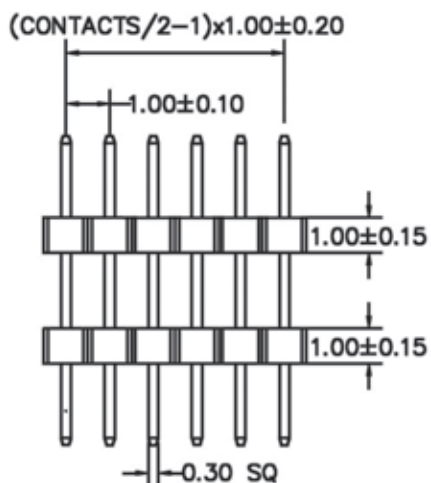
Current Rating: 1 A
Contact Resistance: 20mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 1000V AC/Min.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Copper Alloy
All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

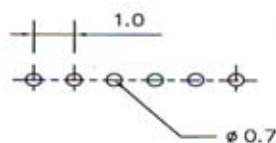
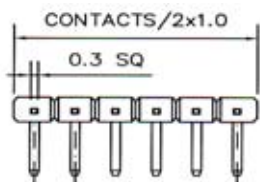
CODE: 1 0 0 2 S 8 - A/B/C/D - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

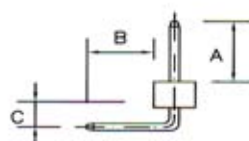
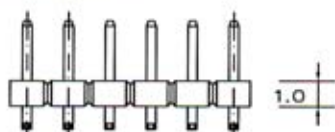
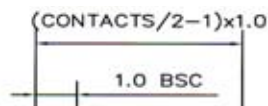
P/N P x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
2S8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

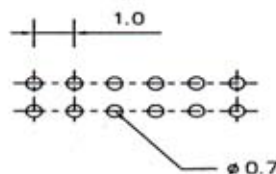
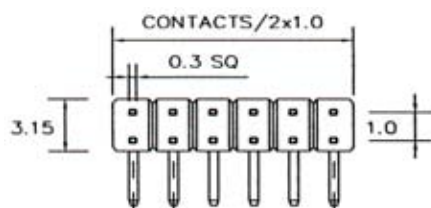
1.00MM(0.039") PIN HEADER RIGHT ANGLE TYPE PROFILE= 1.00MM



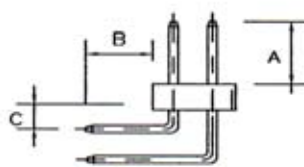
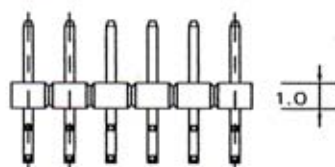
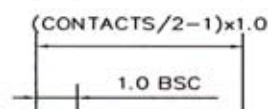
Recommended P.C.Board Layout



SINGLE ROW



Recommended P.C.Board Layout



DOUBLE ROW

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

SINGLE ROW	DOUBLE ROW	A	B	C
PL	PR	2.0	2.0	1.0
PP	PS	3.2	6.5	1.8
QT	PY	1.3	1.5	1.0
QU	QS	1.9	2.0	1.0

ORDERING INFORMATION:

P/N 1 0 0 xx - xxx G B
1 2 3

1. TERMINAL TYPE:

PL, PP, QT, QU, PR, PS, PY, QS

2. NO. OF CONTACTS:

002 ~ 050 FOR SINGLE ROW

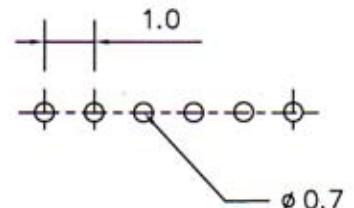
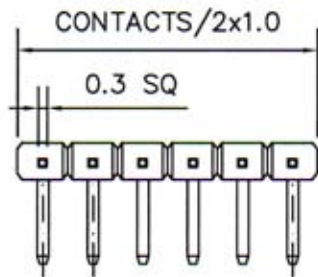
004 ~ 100 FOR DOUBLE ROW

3. CONTACT FINISH:

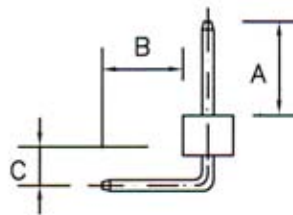
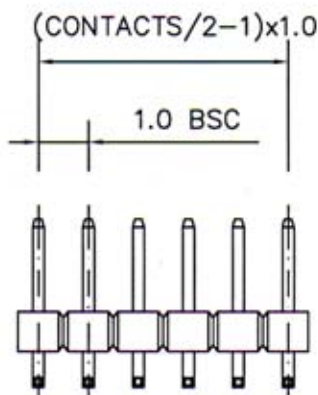
"G" FULL GOLD PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER SINGLE ROW RIGHT ANGLE TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

Max Process Temp: 230°C for 30~60 sec.
(260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 1 $\frac{1 \text{ D } 6}{1}$ - $\frac{A/B/C}{2}$ - $\frac{x \ x \ x \ x}{3 \ 4} \text{ B}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{x \ x \ x \ x \ x \ x}{Y \ Y \ M \ M \ D \ D} \text{ x}$ - $\frac{x \ x \ x \ x}{3 \ 4} \text{ B}$

1. EXTERIOR CODE:

1D6

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

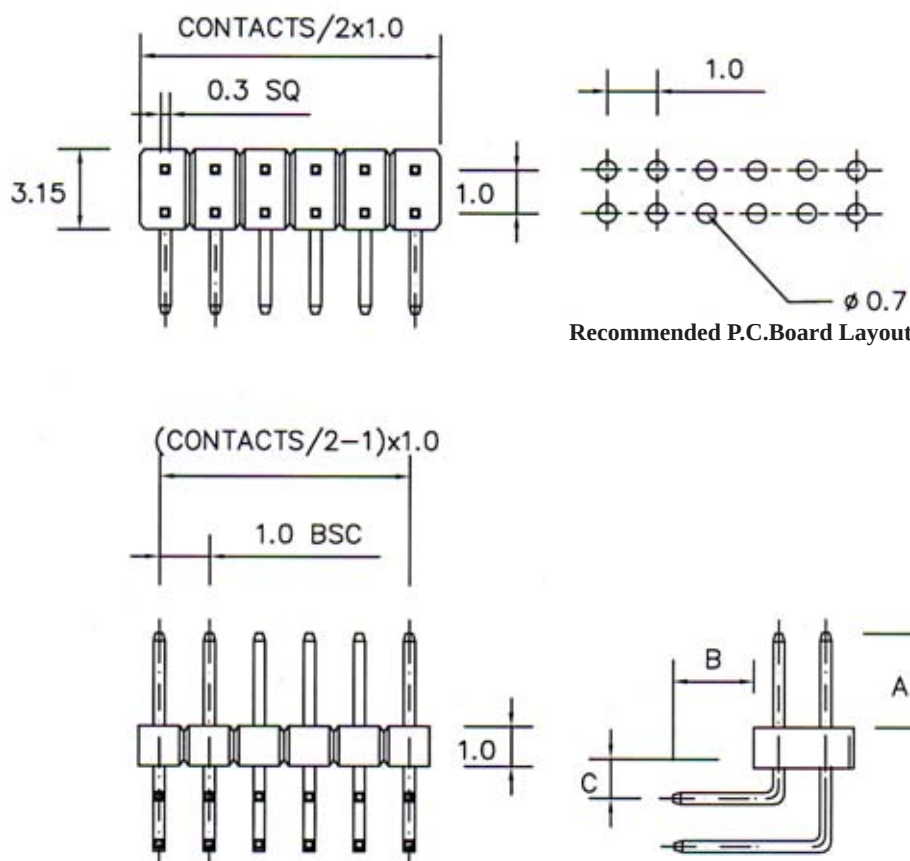
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 600V AC
Insulator Resistance: 500 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C
Max Process Temp: 230°C for 30~60 sec.
 (260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

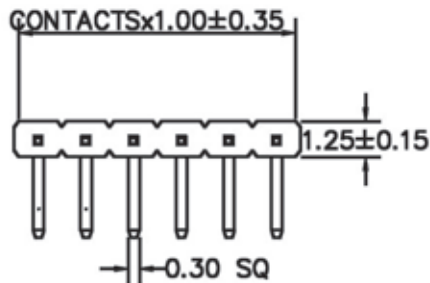
CODE: 1 0 0 2 D 6 - A/B/C - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

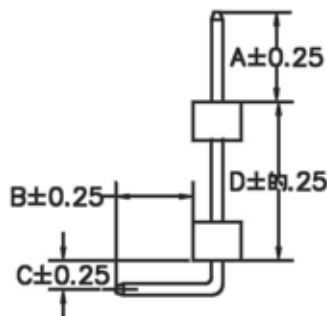
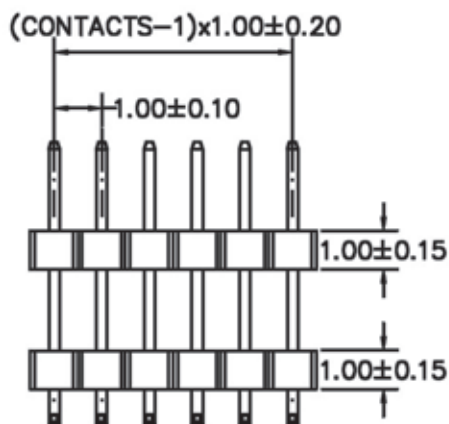
P/N P x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
2D6
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.00MM (0.039") PIN HEADER SINGLE ROW RIGHT ANGLE TYPE PROFILE=1.00MM



Recommended P.C. Board Layout



SPECIFICATIONS

Current Rating: 1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 1 1 D 8 - A/B/C/D - x x x x B

1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B

YY MM DD 3 4

1. EXTERIOR CODE:

1D8

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

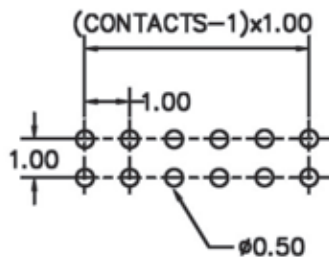
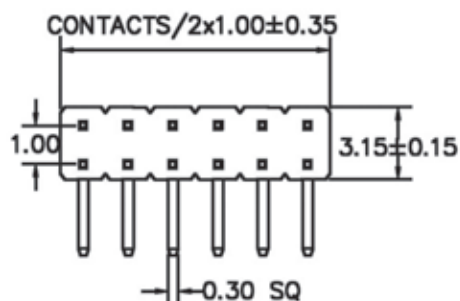
4. CONTACT FINISH:

"G" FULL GOLD PLATED

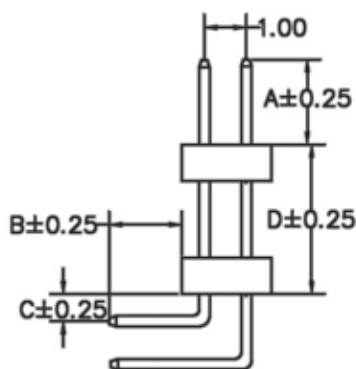
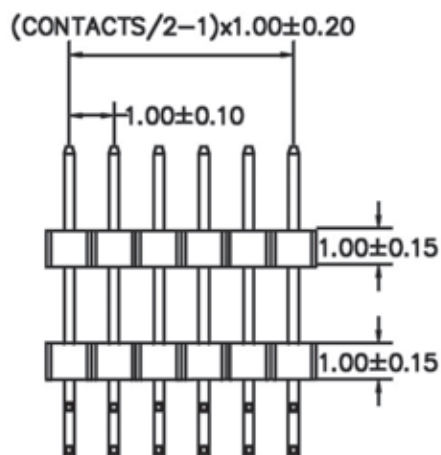
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.00MM (0.039") PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=1.00MM



Recommended P.C. Board Layout



SPECIFICATIONS

Current Rating: 1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 0 2 D 8 - A/B/C/D - x x x x B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B

1. EXTERIOR CODE:

2D8

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

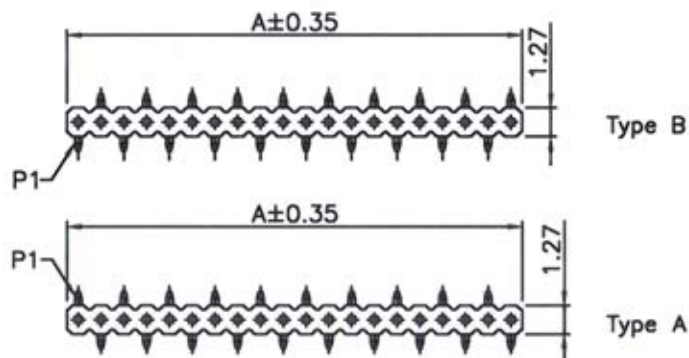
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

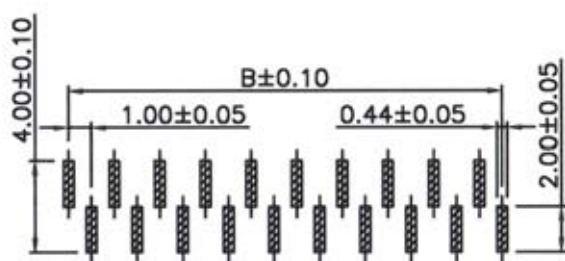
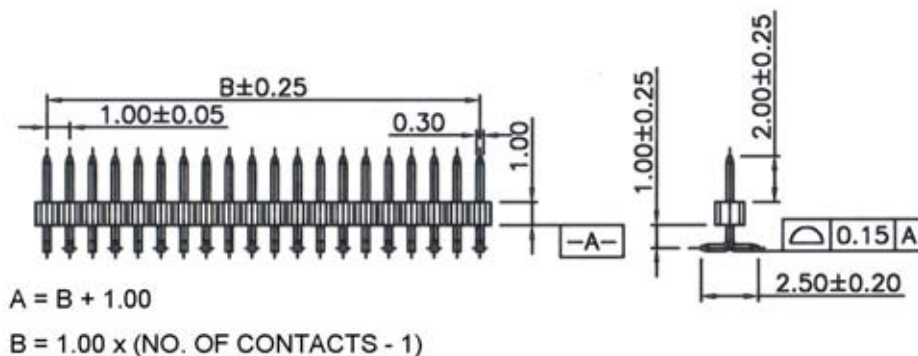
Operating Temperature: -40°C to +105°C

MATERIALS

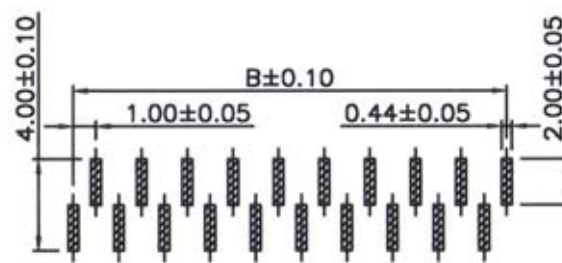
Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.



Recommended P.C.Board Layout
Type A



Recommended P.C.Board Layout
Type B

ORDERING INFORMATION:

P/N 1 0 0 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

1. PCB LAYOUT TYPE:

"PV" TYPE A

"PW" TYPE B

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE TYPE:

"T" W/O PAD IN TUBE

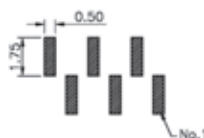
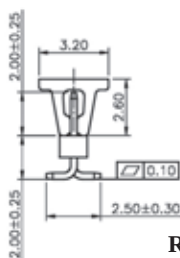
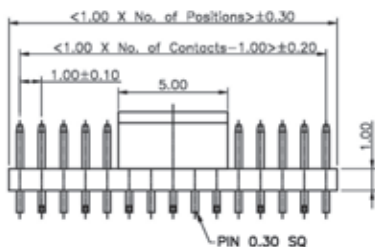
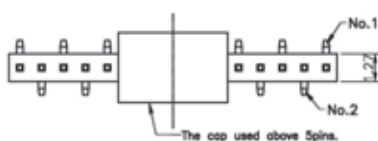
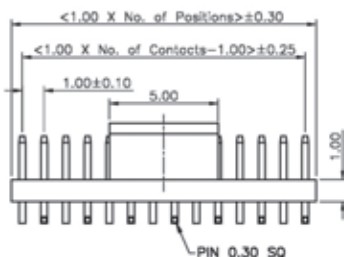
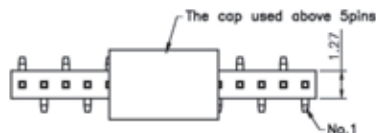
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

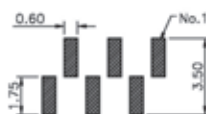
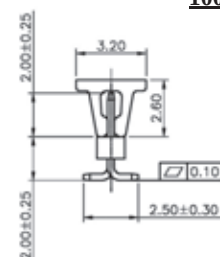
NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM



100PT

Recommended P.C.Board Layout Type A



100PU

Recommended P.C.Board Layout Type B

SPECIFICATIONS

Current Rating: 1.0 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 300V AC

Operating Temperature: -40°C to +125°C

MATERIALS

Insulator: Polyester UL94V-0 LCP

Contact: Phosphor Bronze

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B - $\frac{X}{4}$

1. PCB LAYOUT OPTION:

"PT" TYPE A

"PU" TYPE B

2. NO. OF CONTACTS:

002 ~ 040

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

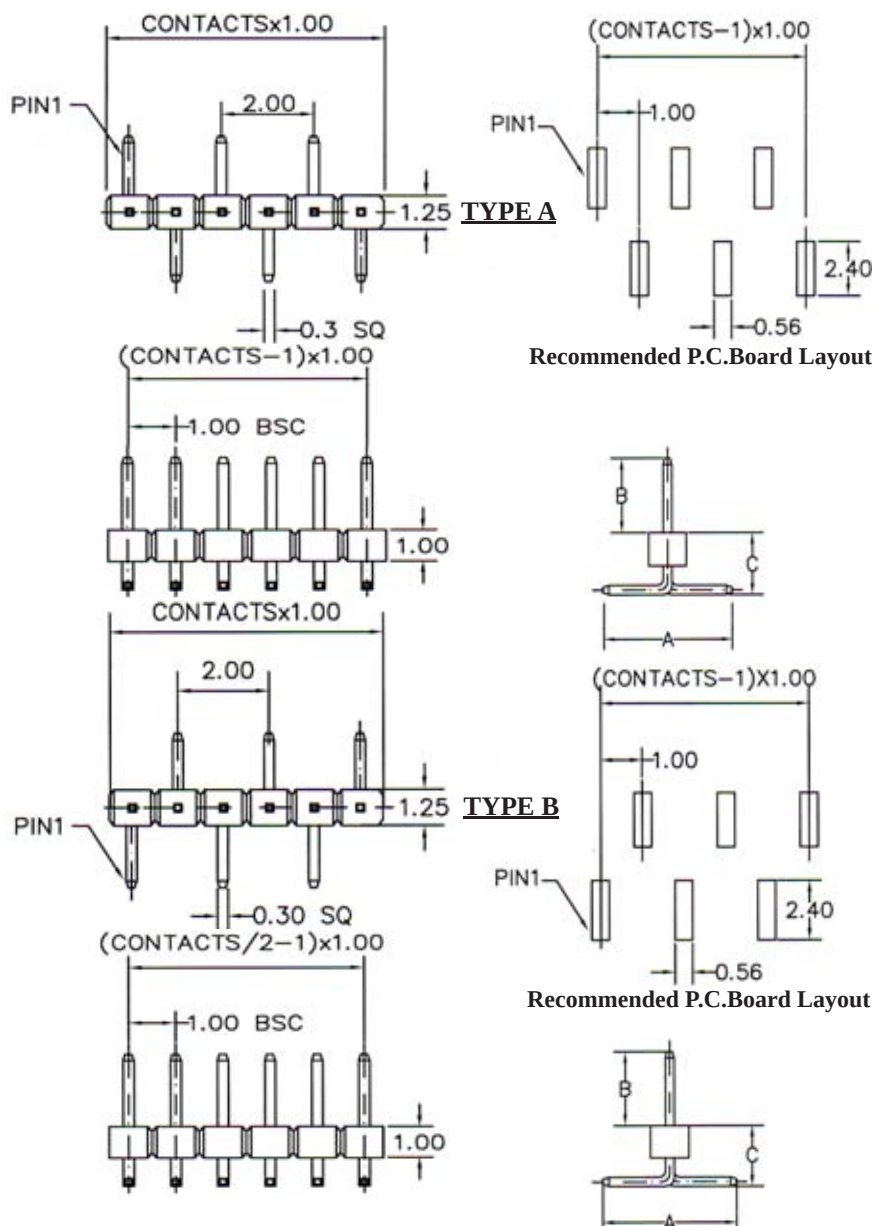
"R" W/O PAD IN TAPE & REEL

"0" IN BOX

NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR
CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp
 Dielectric Withstand: 600V AC
 Insulator Resistance: 500 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C
 Max Process Temp: 230°C for 30~60 sec.
 (260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T
 Contacts: Brass
 All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 1 1 T 1 - A/B/C - x x x x B - x x
 1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

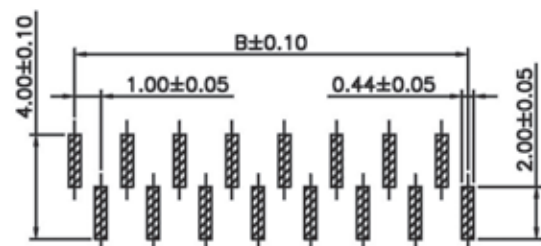
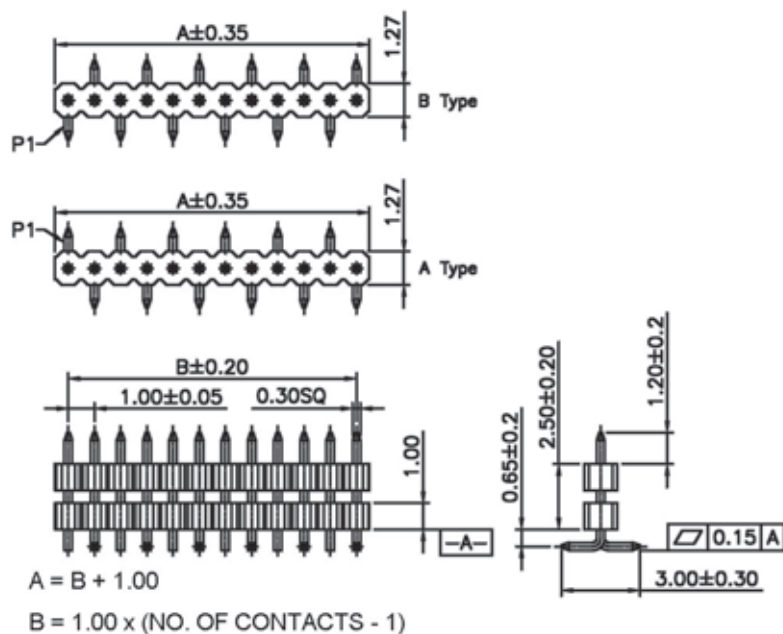
P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
1T1
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

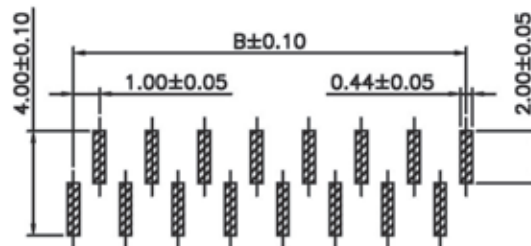
5. PCB LAYOUT TYPE:
"A" TYPE A
"B" TYPE B
6. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") PIN HEADER SINGLE ROW DUAL BODY SMT TYPE PROFILE=1.00MM



Recommended P.C.Board Layout
A Type



Recommended P.C.Board Layout
B Type

SPECIFICATIONS

Current Rating: 1.0 A
Voltage Rating: 100V AC/DC
Contact Resistance: 20mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 500V AC/Min.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Brass
All materials must be RoHS compliant.

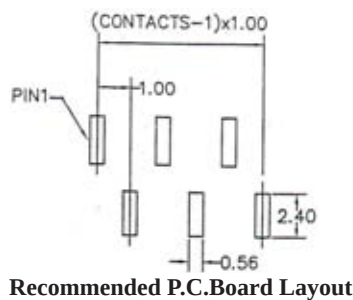
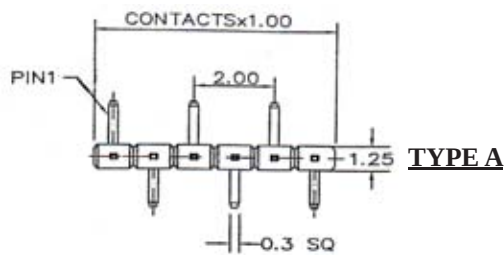
ORDERING INFORMATION:

P/N 1 0 0 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

- CONTACT TYPE:
"QE" A TYPE
"QF" B TYPE
- NO. OF CONTACTS:
002 ~ 050
- CONTACT FINISH:
"G" FULL GOLD PLATED
- PACKAGE TYPE:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD
NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM

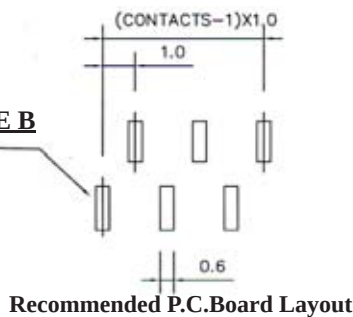
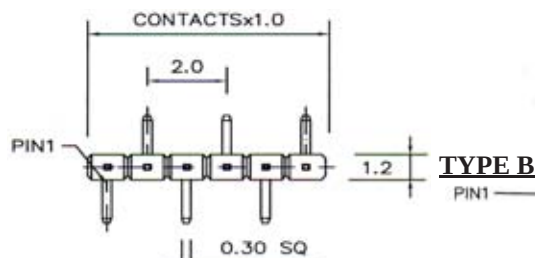
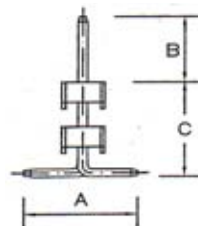
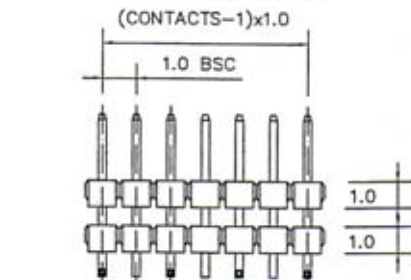


SPECIFICATIONS

Current Rating: 1.0 Amp
 Dielectric Withstand: 600V AC
 Insulator Resistance: 500 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C
 Max Process Temp: 230°C for 30~60 sec.
 (260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T
 Contacts: Brass
 All materials must be RoHS compliant.



ORDERING INFORMATION:

CODE: 1 0 1 1 M 4 - A/B/C - x x x x B - x x
 1 2 3 4 5 6

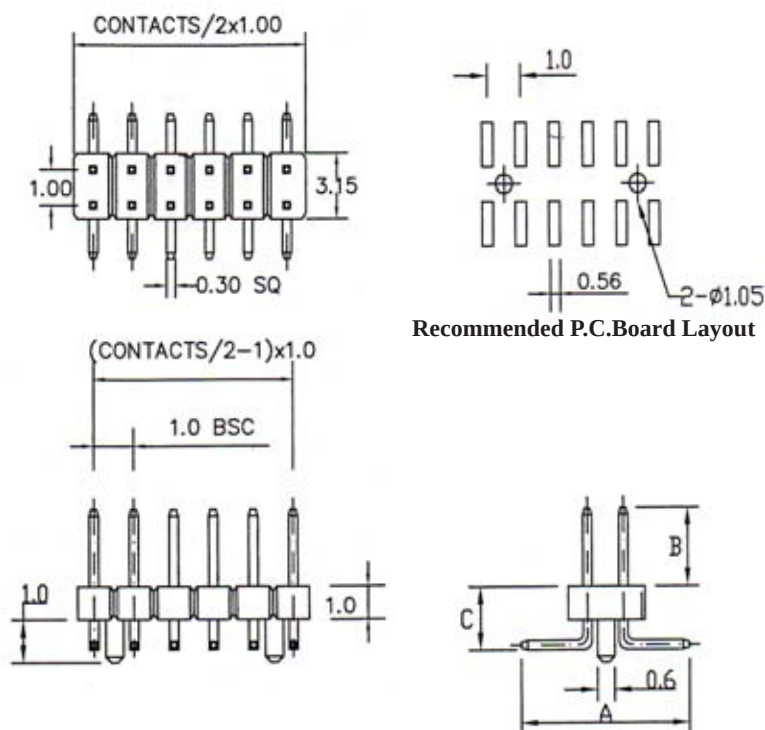
PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

- EXTERIOR CODE:
1M4
- DIMENSION A/B/C (UNIT: mm)
- NO. OF CONTACTS:
002 ~ 040
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED
- PCB LAYOUT TYPE:
"A" TYPE A
"B" TYPE B
- PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE= 1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

WITHOUT PEGS	WITH PEGS	A	B	C
SA	SD	5.2	3.9	1.3
SB	SG	5.2	2.1	1.3
SC	SQ	4.2	2.0	3.05
SL	SR	5.2	1.9	1.8
SP	SS	5.2	3.2	2.8

ORDERING INFORMATION:

P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. TERMINAL TYPE:

SA, SB, SC, SL, SP, SD, SG, SQ, SR, SS

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

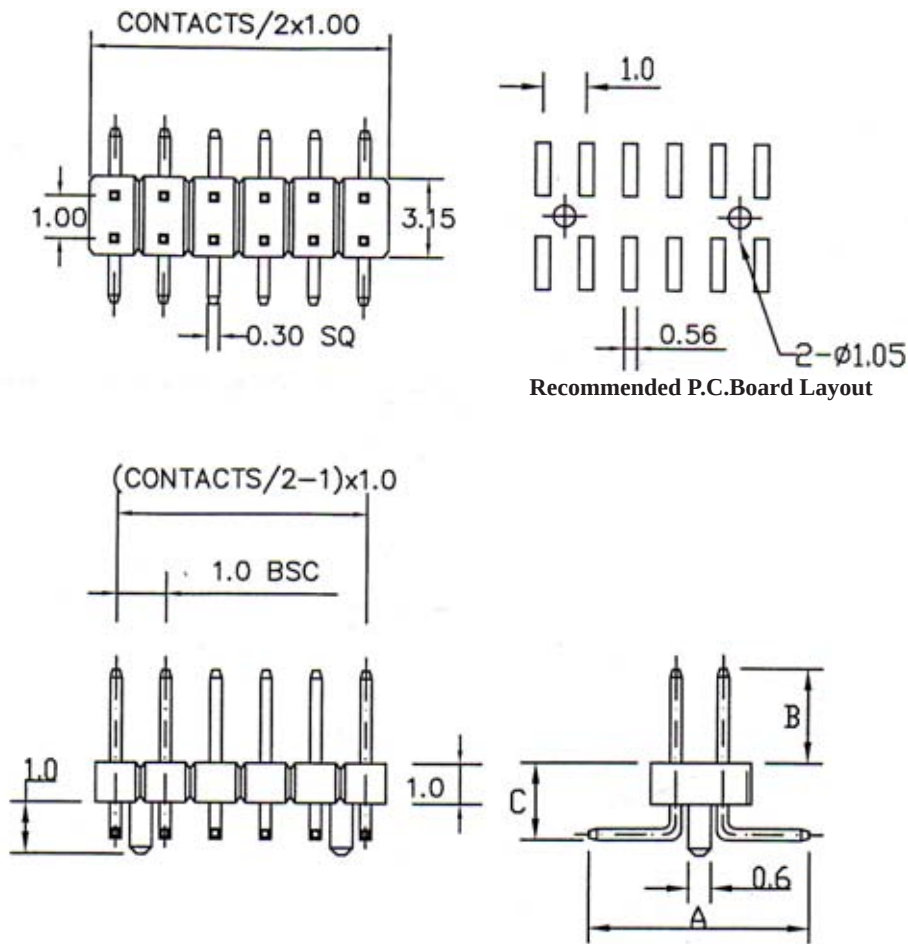
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp
 Dielectric Withstand: 600V AC
 Insulator Resistance: 500 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C
 Max Process Temp: 230°C for 30~60 sec.
 (260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 0 2 T x - A/B/C - x x x x B - x
 1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:

"2T1" W/O LOCATING PEG
 "2T4" WITH LOCATING PEG

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

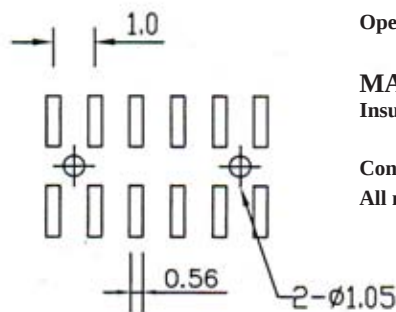
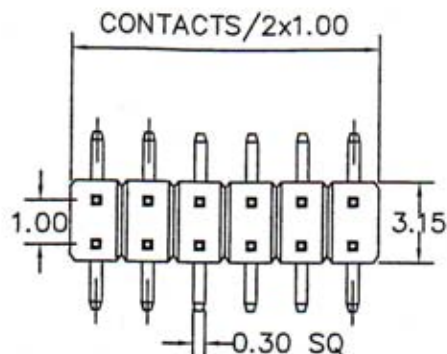
"G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

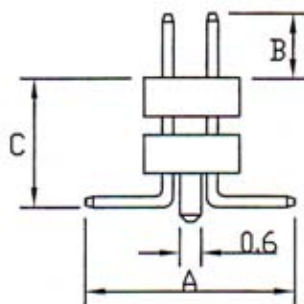
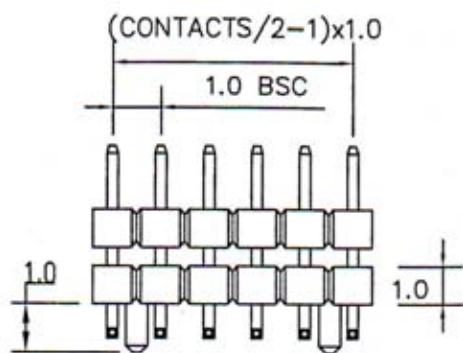
"T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM (0.039") PIN HEADER DOUBLE ROW SMT TYPE ROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 500MΩ Min.

Dielectric Strength: 600V AC Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon 6T

Contact: Brass

All materials must be RoHS compliant.

WITHOUT PEG	WITH PEG	A	B	C
QX	QY	7.80	7.00	6.50
ST	SU	5.40	3.20	2.25

ORDERING INFORMATION:

P/N 1 0 0 1 2 3 4 B - 5

1. PIN LENGTH & PEG OPTION:

QX, QY, ST, SU

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

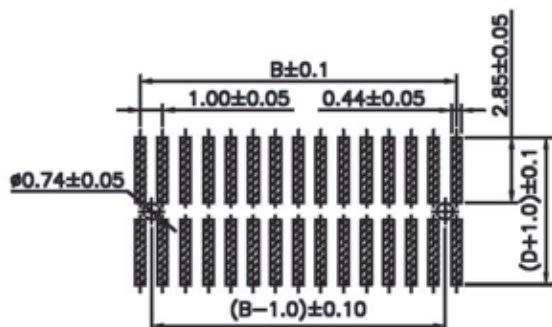
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

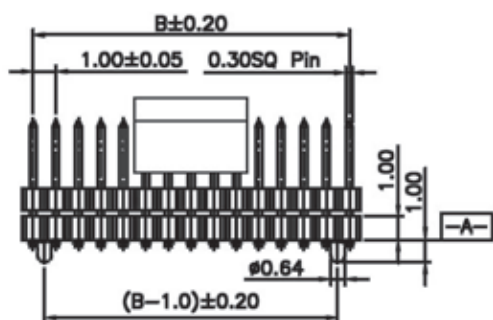
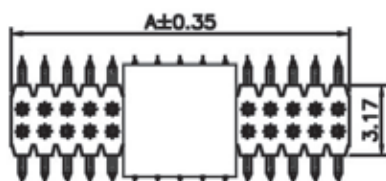
NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGN!

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM

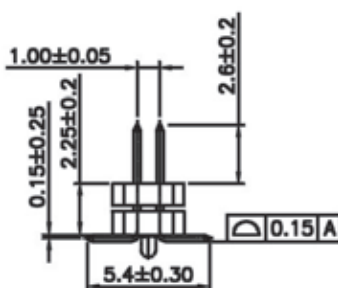


Recommended P.C.Board Layout



$$A = B + 1.00$$

$$B = 1.00 \times (\text{NO. OF CONTACTS} / 2 - 1)$$



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

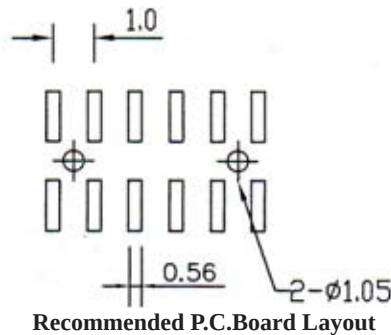
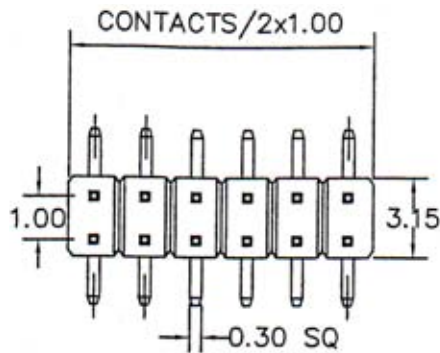
P/N 1 0 0 $\frac{1}{2}$ $\frac{3}{4}$ B - $\frac{x}{x}$

1. LOCATING PEG OPTION:
"QG" WITHOUT LOCATING PEGS
"QH" WITH LOCATING PEGS
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

Max Process Temp: 230°C for 30~60 sec.
(260°C for 10 sec.)

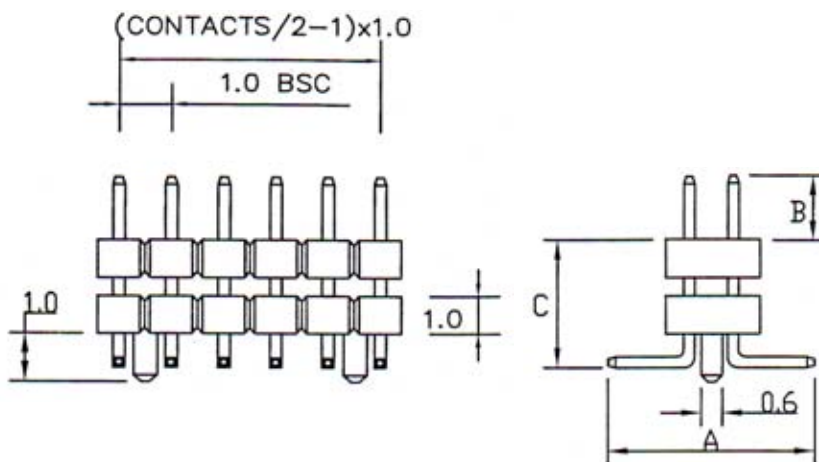
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



ORDERING INFORMATION:

CODE: 1 0 0 2 T x - A/B/C - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T6" W/O LOCATING PEG

"2T8" WITH LOCATING PEG

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

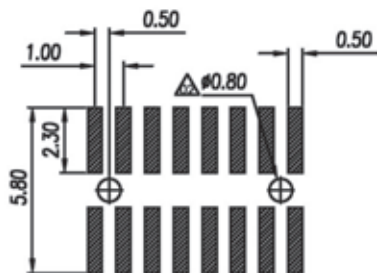
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.20MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 300V AC/Min.

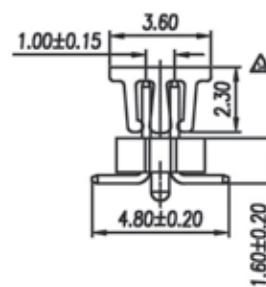
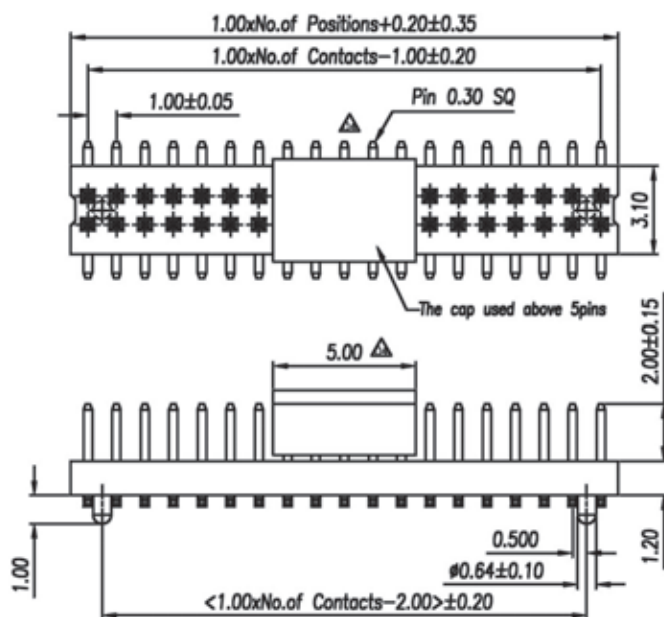
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP UL94V-0

Contact: Phosphor Bronze

All materials must be RoHS compliant.



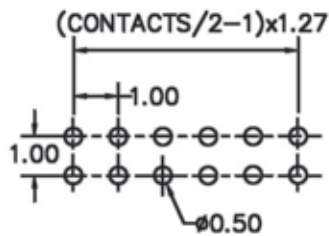
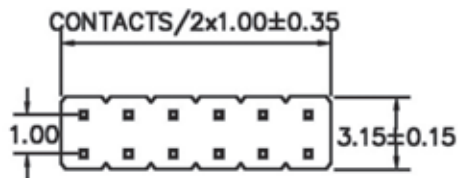
ORDERING INFORMATION:

P/N 1 0 0 QA - x x x x B - x

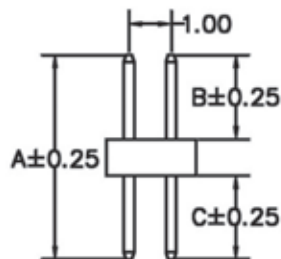
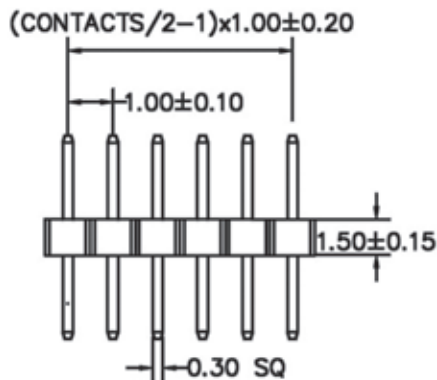
1. CONTACT TYPE:
"QA" DOUBLE ROW SMT TYPE
2. NO. OF CONTACTS:
006 ~ 080
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL
"R" W/O PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM (0.039") PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A
Contact Resistance: 20mΩ Max.
Insulator Resistance: 1000MΩ Min.
Withstanding Voltage: 500V AC/Min.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Copper Alloy
All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 2 2 S 6 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2S6
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

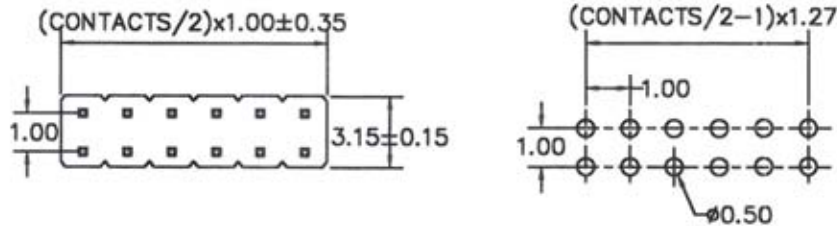
1.00MM (0.039") PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.50MM

SPECIFICATIONS

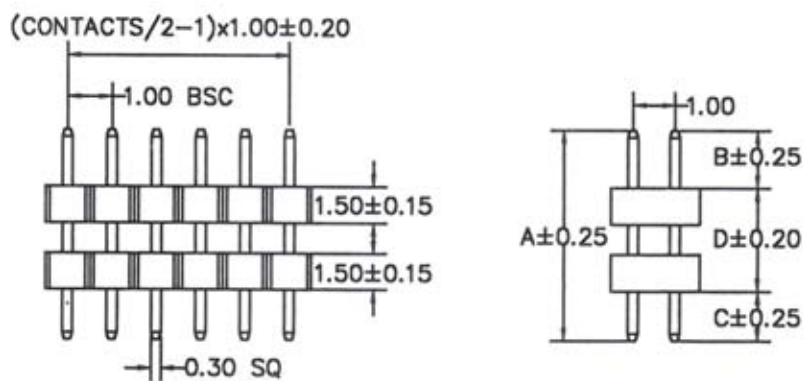
Current Rating: 1 A
 Contact Resistance: 20mΩ Max.
 Insulator Resistance: 1000MΩ Min.
 Withstanding Voltage: 500V AC/Min.
 Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T, UL94V-0
 Contact: Copper Alloy
 All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

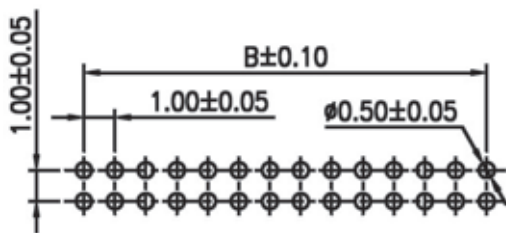
CODE: 1 0 2 2 S 8 - A/B/C/D - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

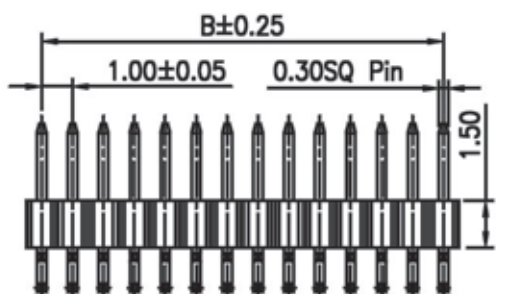
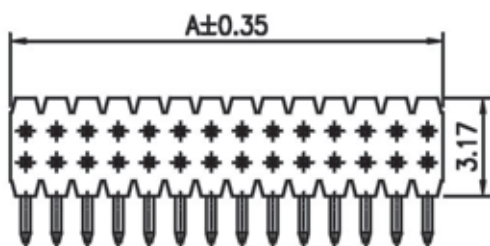
P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
2S8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.50MM

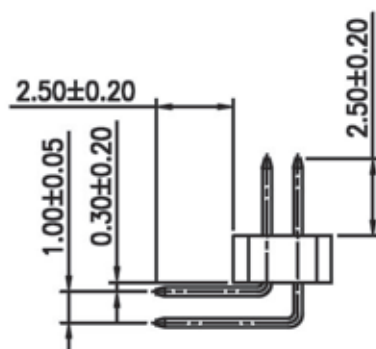


Recommended P.C.Board Layout



$$A = B + 1.00$$

$$B = 1.00 \times (\text{NO. OF CONTACTS}/2 - 1)$$



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

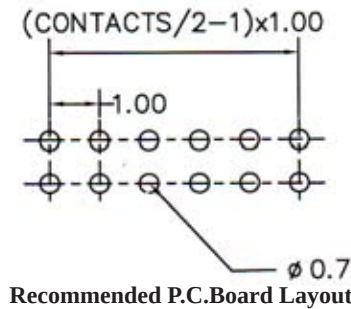
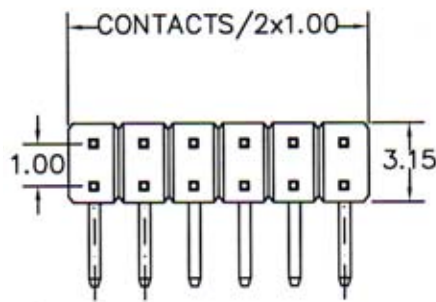
ORDERING INFORMATION:

P/N 1 0 0 Q D - $\frac{x}{1}$ $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

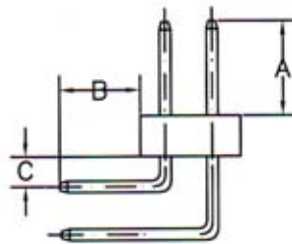
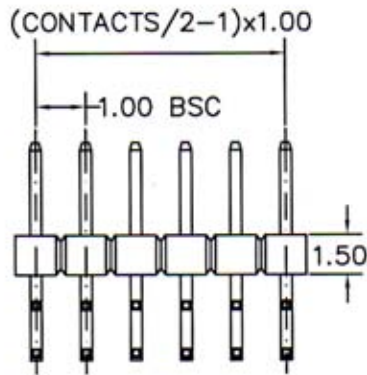
1. CONTACT TYPE:
"QD" RIGHT ANGLE DIP TYPE
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE TYPE:
"0" IN BAG
"T" WITHOUT PAD IN TUBE

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

Max Process Temp: 230°C for 30~60 sec.
(260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

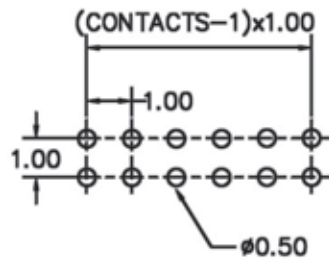
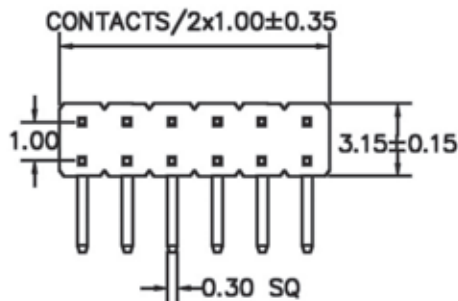
CODE: 1 0 2 2 D 6 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

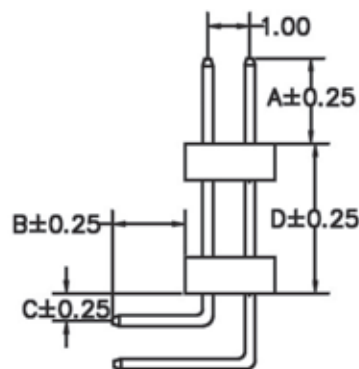
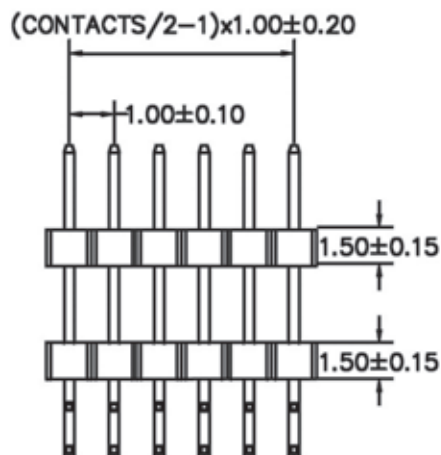
P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2D6
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.00MM (0.039") PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 2 2 D 8 - A/B/C/D - x x x x B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B

1. EXTERIOR CODE:

2D8

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

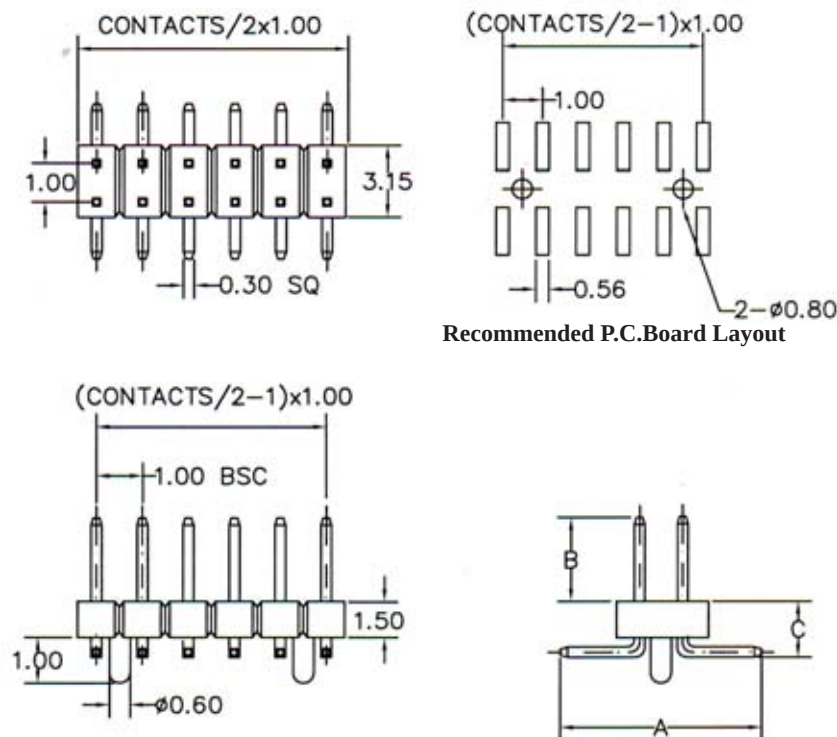
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE= 1.50MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1} \frac{x}{2} - \frac{x}{3} \frac{x}{4} B - \frac{x}{4}$

1. DIMENSIONS:

"PA" A/B/C= 5.20/1.90/1.80mm W/O LOCATING PEG

"PD" A/B/C= 5.20/1.90/1.80mm WITH LOCATING PEG

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

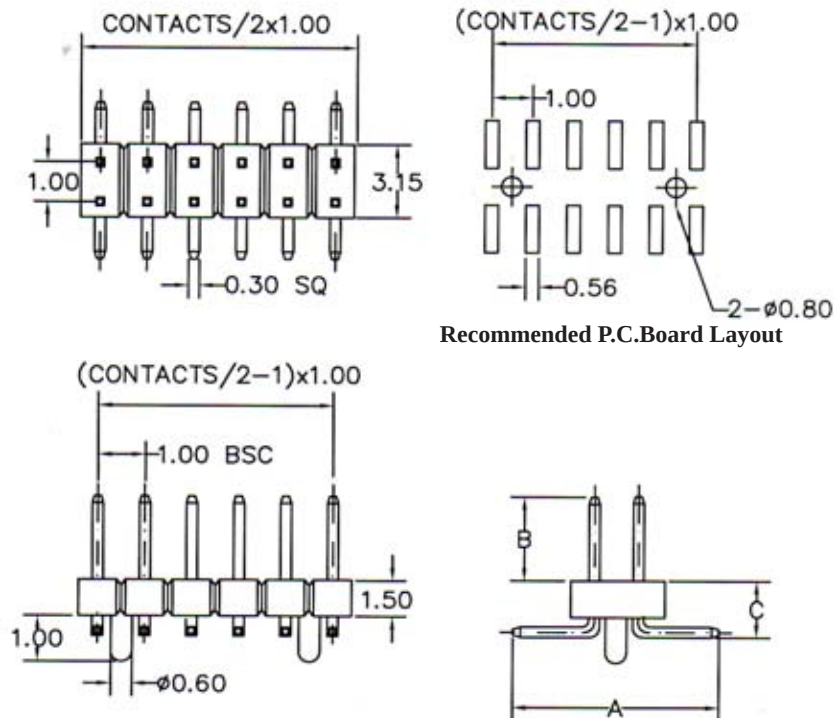
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 600V AC
Insulator Resistance: 500 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C
Max Process Temp: 230°C for 30~60 sec.
 (260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T
Contacts: Brass
All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 2 $\frac{2}{1}T_x - \frac{A/B/C}{2} - \frac{x}{3}\frac{x}{4}B - \frac{x}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

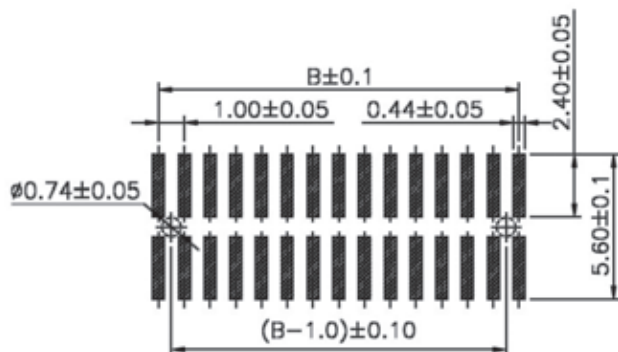
P/N P $\frac{x}{YY}\frac{x}{MM}\frac{x}{DD}x - \frac{x}{3}\frac{x}{4}B$

1. EXTERIOR CODE:
 "2T1" W/O LOCATING PEG
 "2T4" WITH LOCATING PEG
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
 004 ~ 100
4. CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED

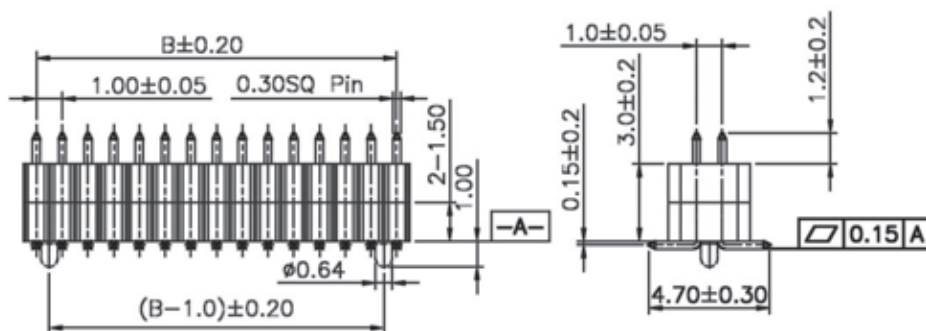
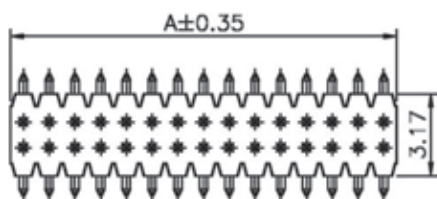
5. PAD & PACKAGE OPTION:
 "T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



$$A = B + 1.00$$

$$B = 1.00 \times (\text{NO. OF CONTACTS}/2 - 1)$$

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

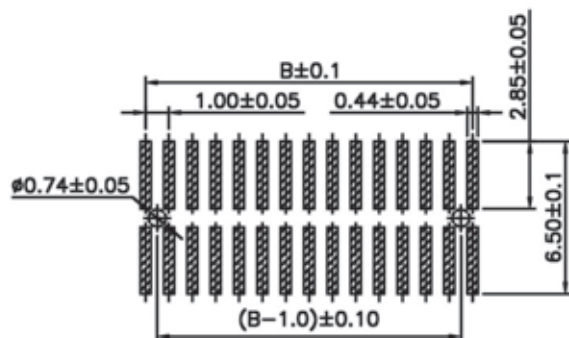
P/N 1 0 0 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

1. LOCATING PEG OPTION:
"QJ" WITHOUT LOCATING PEGS
"QK" WITH LOCATING PEGS
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

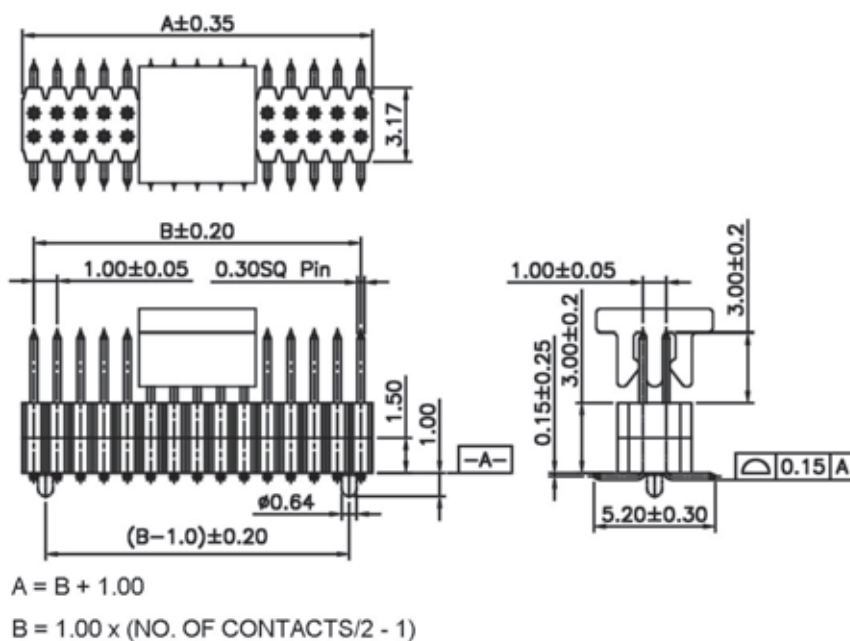
NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

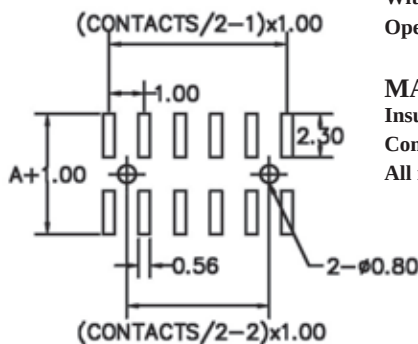
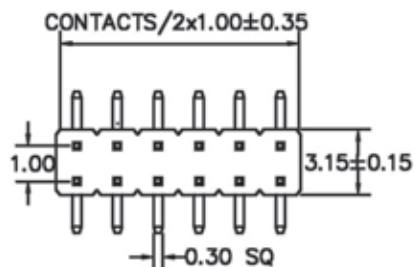
P/N 1 0 0 $\frac{xx}{1} - \frac{xxx}{2} \frac{x}{3} B - \frac{x}{4}$

1. LOCATING PEG OPTION:
"QL" WITHOUT LOCATING PEGS
"QM" WITH LOCATING PEGS
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

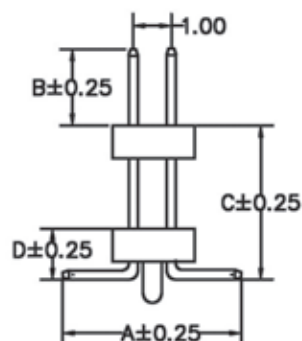
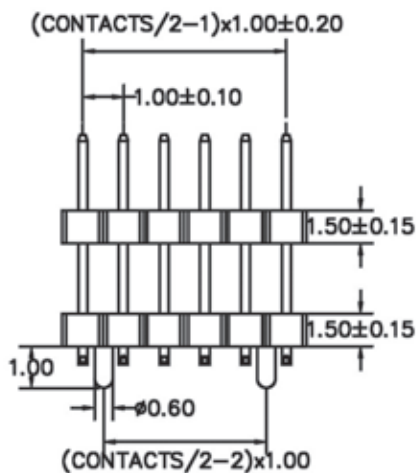
NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.00MM (0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 2 xxx - A/B/C/D - xxx x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P xxx xxx xxx - xxx x B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T6" W/O LOCATING PEG

"2T8" WITH LOCATING PEG

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

006 ~ 060

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

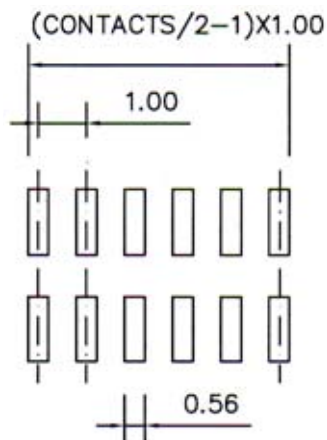
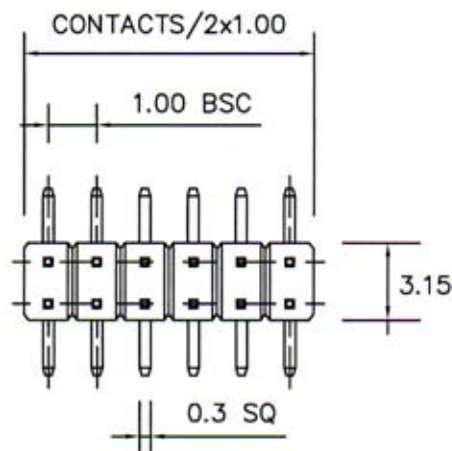
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

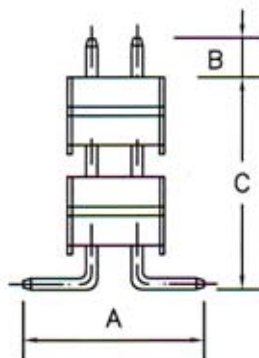
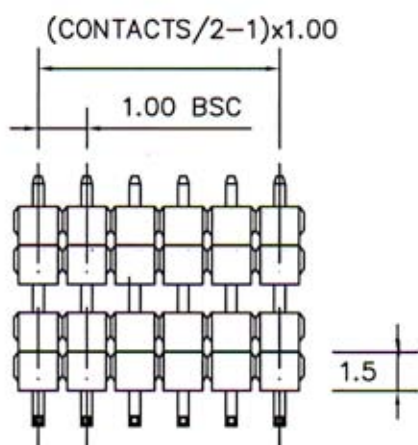
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 600V AC
Insulator Resistance: 500 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C
Max Process Temp: 230°C for 30~60 sec.
 (260°C for 10 sec.)

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 0 2 2 M 8 - A/B/C - x x x x B - x
 1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:

2M8

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 080

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

"0" BULK PACKAGE

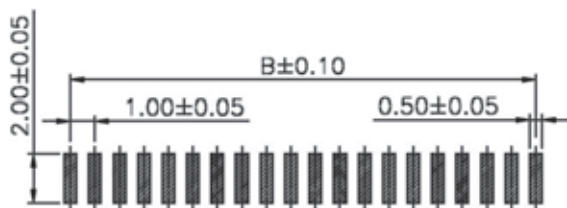
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

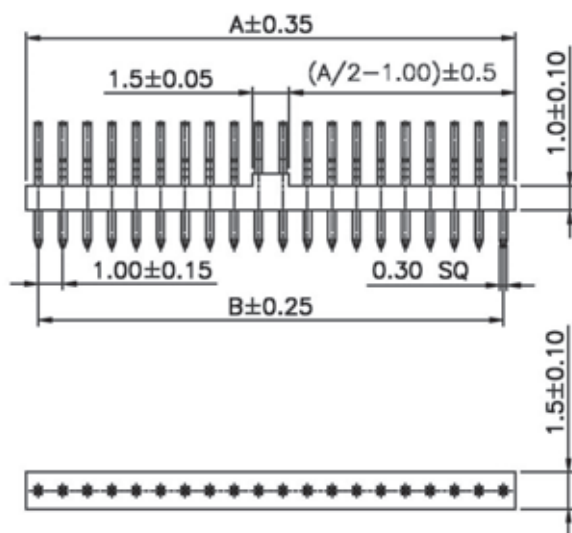
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") PIN HEADER SINGLE ROW RIGHT ANGLE SMT TYPE

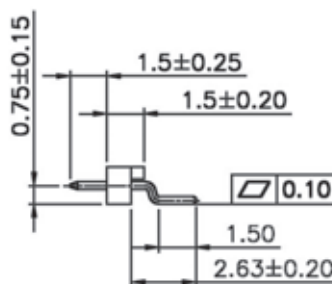


Recommended P.C.Board Layout



$$A = B + 1.00$$

$$B = 1.00 \times (\text{NO. OF CONTACTS} - 1)$$



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP UL94V-0, Black

Contact: Phosphor Bronze

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 Q P - x x x x B - x

1. CONTACT TYPE:
"QP" HORIZONTAL SMT TYPE

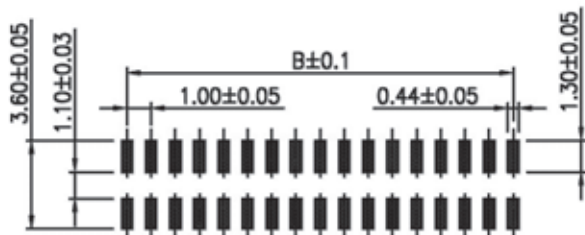
2. NO. OF CONTACTS:
002 ~ 050

3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

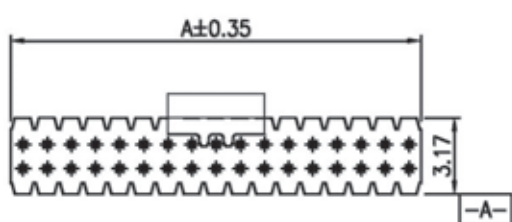
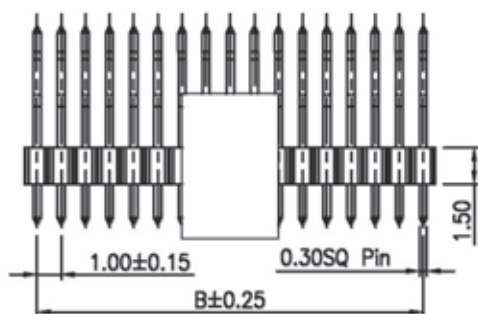
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM(0.039") PIN HEADER DOUBLE ROW RIGHT ANGLE SMT TYPE PROFILE=1.50MM

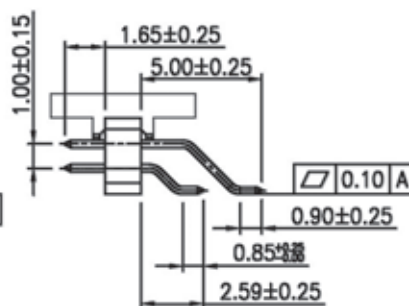


Recommended P.C.Board Layout



$$A = B + 1.00$$

$$B = 1.00 \times (\text{NO. OF CONTACTS} / 2 - 1)$$



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -25°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 Q Q - x x x x B - x
1 2 3 4

1. CONTACT TYPE:
"QQ" HORIZONTAL SMT TYPE
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.00MM PCI EXPRESS 26 PIN SLOT SOCKET STRAIGHT DIP TYPE WITHOUT POST

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Brass

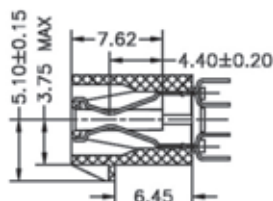
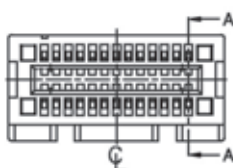
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

On Terminal

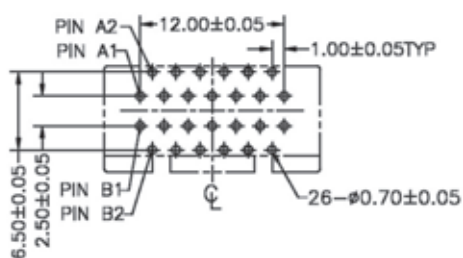
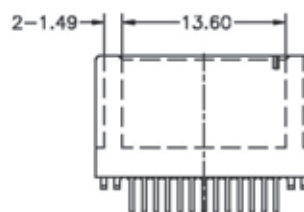
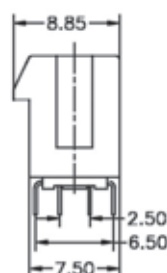
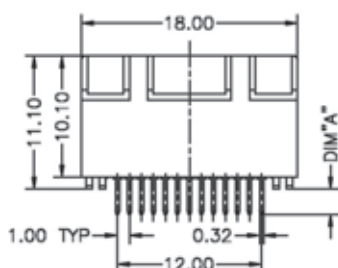
Body: Nylon46+30%GF (UL 94V-0)

* RoHS & REACH compliant.

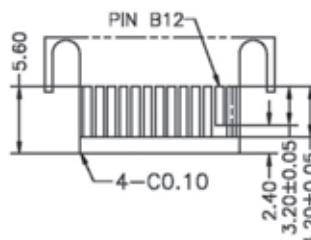


PART NO.	Type	Dim 'A'
100E7	Solder 2.1mm	2.10mm
100E8	Solder 2.5mm	2.50mm

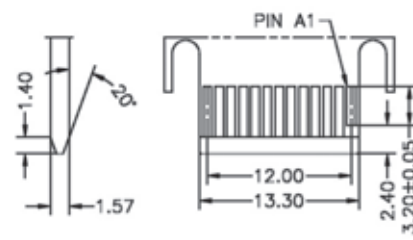
SECTION A-A



Recommended P.C. Board Layout



Secondary (Component) Side



Secondary (Solder) Side

ORDERING INFORMATION:

P/N 1 0 0 xx - 0 2 6 S B xx
1 2 3 4 5

1. SOLDER LENGTH:

"E7" DIM. A = 2.10MM

"E8" DIM. A = 2.50MM

2. NO. OF CONTACTS:

026

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

4. INSULATOR COLOR:

"B" BLACK

5. GOLD PLATED THICKNESS:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS 26 PIN SLOT SOCKET WITH 2 PLASTIC POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Brass

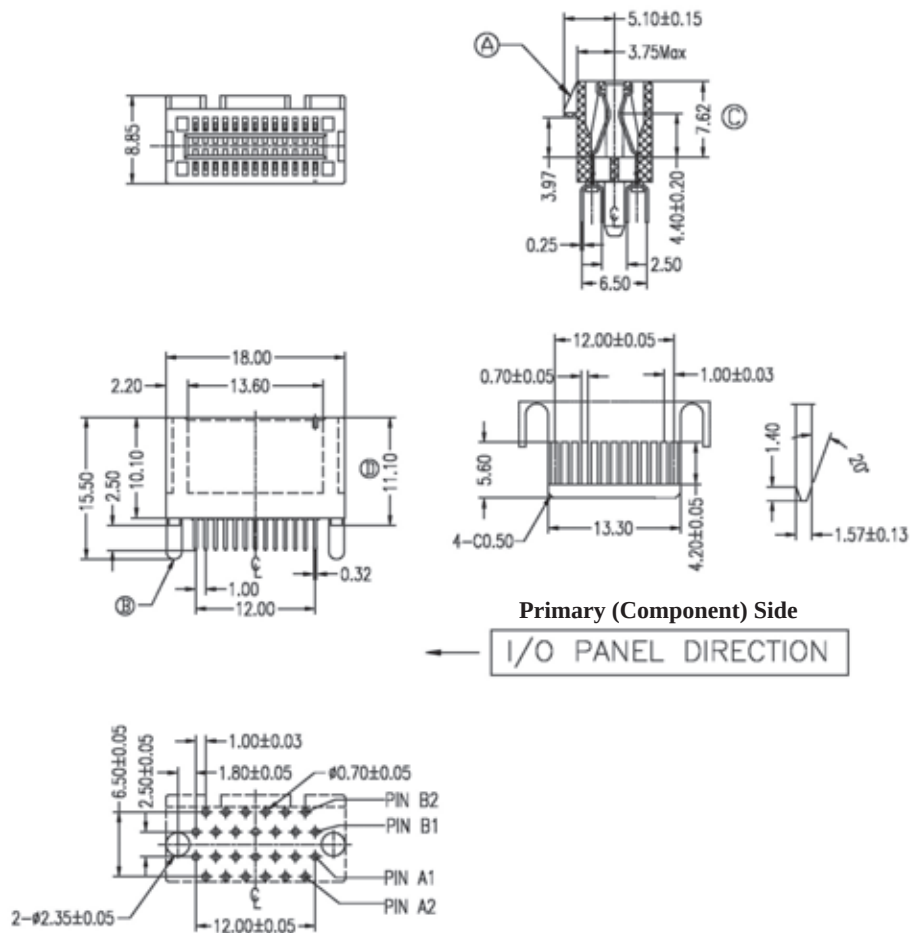
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

On Solder Tail

Body: Nylon46 or Nylon66 (UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 0 0 xx - 0 2 6 S xx xx xx
1 2 3 4 5

1. SOLDER LENGTH:

"E4" DIM. A= 2.5MM

"E5" DIM. A= 3.0MM

2. NO. OF CONTACTS:

026

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

4. INSULATOR COLOR:

"B" BLACK

"W" WHITE

5. GOLD PLATED THICKNESS:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS 36 PIN SLOT SOCKET WITH 2 PLASTIC POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Brass or Phosphor Bronze

Contact Plating: Gold Plating Over Nickel

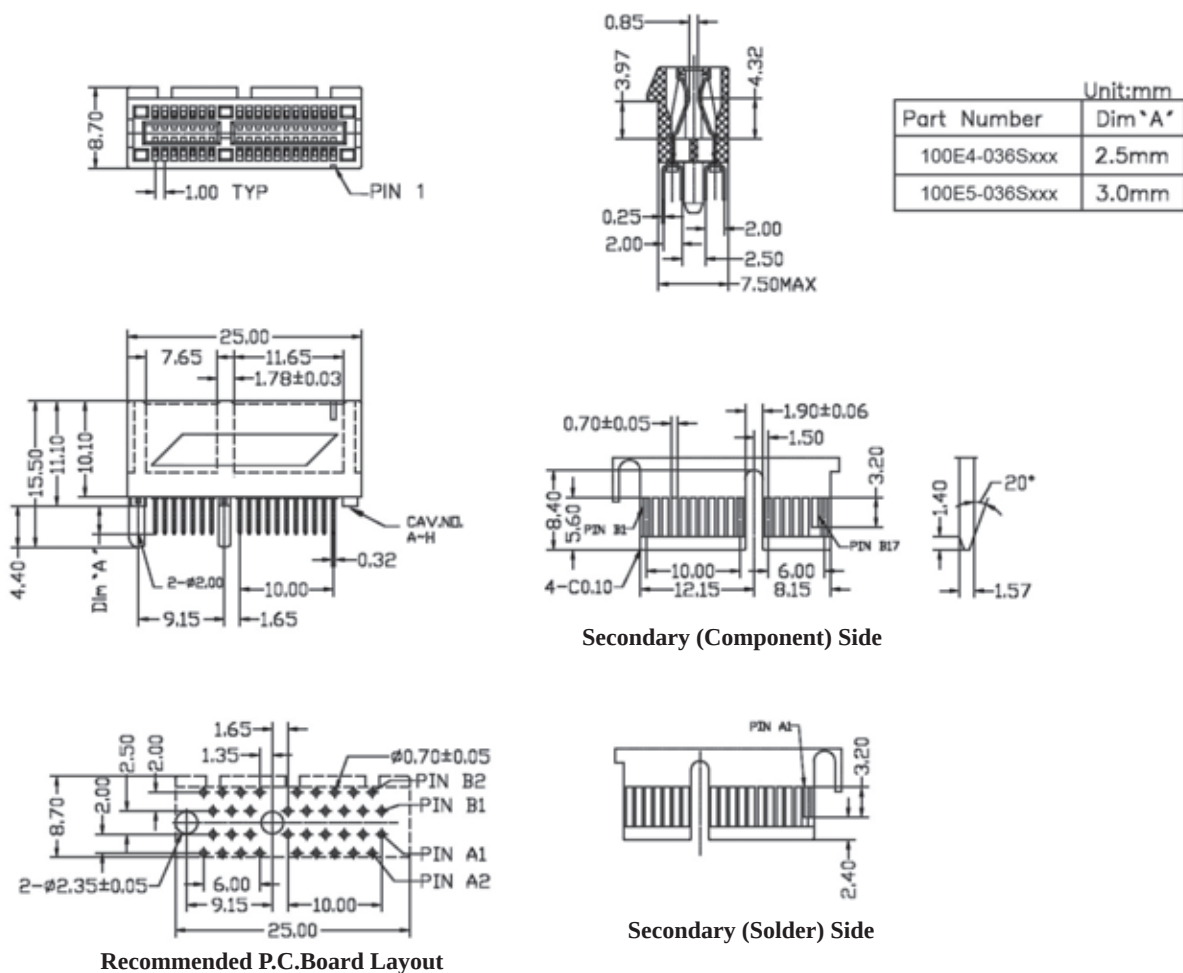
On Contact Area Tin Plating

On Terminal

Body: Nylon46+30%GF or PBT+30%GF

(UL 94V-0)

* RoHS & REACH compliant.



ORDERING INFORMATION:

P/N 1 0 0 xx - 036 S xx xx

1. SOLDER LENGTH:

"E4" DIM. A= 2.5MM

"E5" DIM. A= 3.0MM

2. NO. OF CONTACTS:

036

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

4. INSULATOR COLOR:

"B" BLACK

"W" WHITE

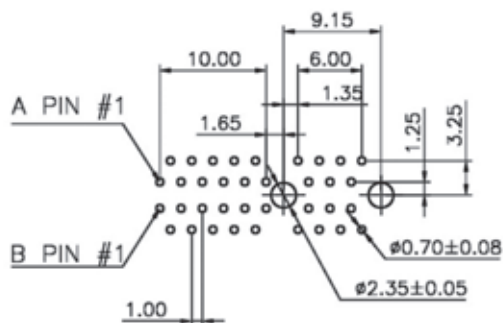
5. GOLD PLATED THICKNESS:

"01" GOLD FLASH

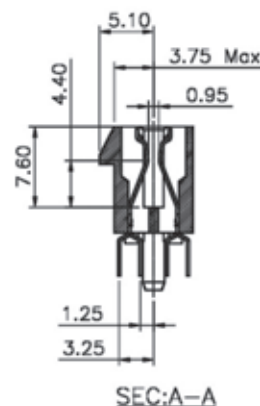
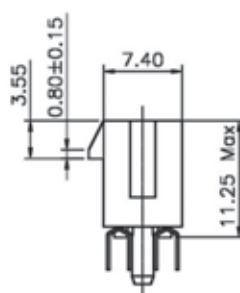
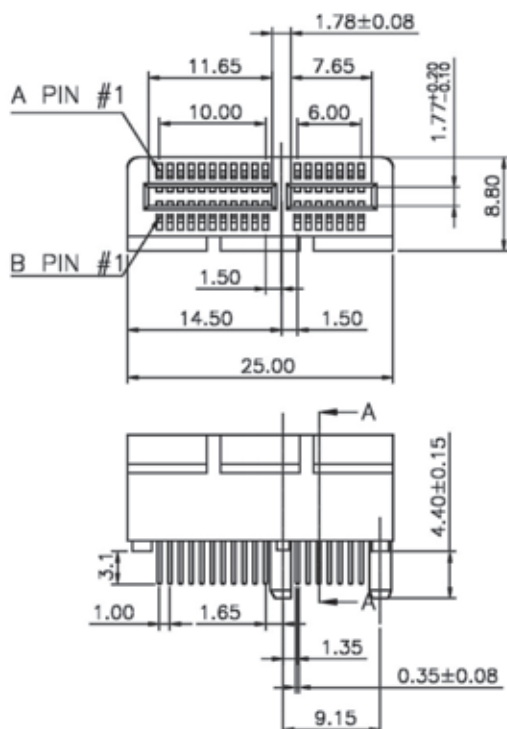
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS 36 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS & NOSES



Recommended P.C.Board Layout
(Top View)



SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Brass

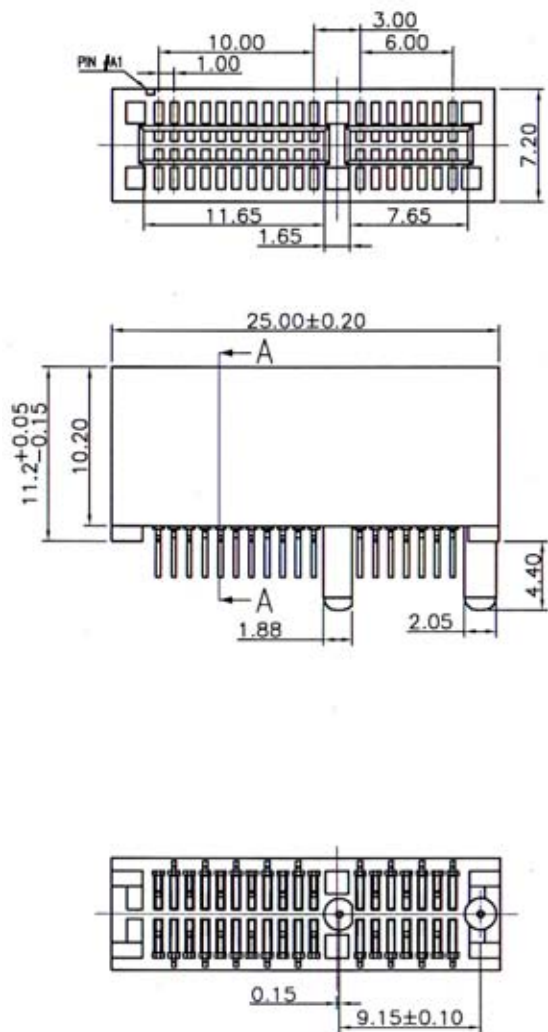
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 X X - 0 3 6 S B X X
1 2 3 4

1. NO. OF CONTACTS:
036
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.00MM PCI EXPRESS 36 PIN SLOT SOCKET WITHOUT LATCH CONTINUOUS-PIN TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

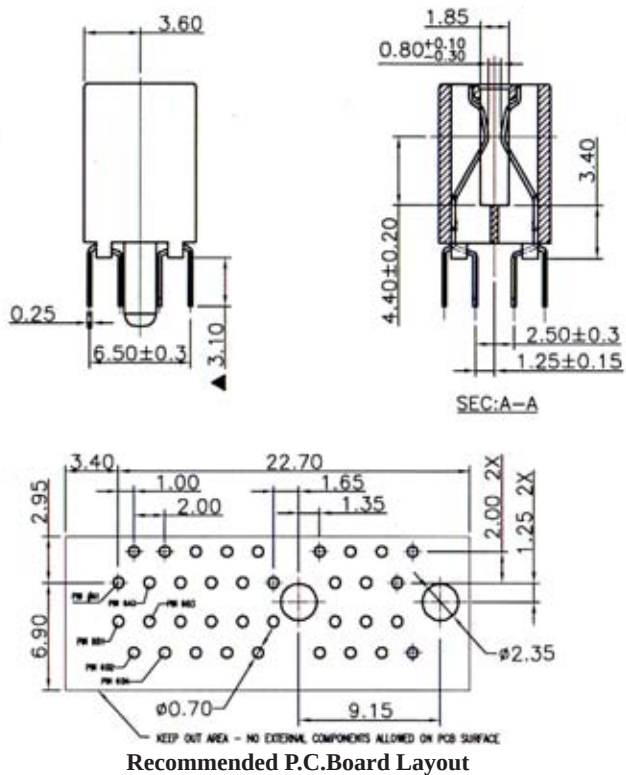
Operating Temperature: -55°C to + 105°C

MATERIALS

Housing: Nylon 66, UL94V-0

Contact Material: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 100EB - 036₁xx₂xx₃xx₄

1. NO. OF CONTACTS:
036
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
"G" FULL GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
"C" BROWN
"N" GREEN
"U" BLUE
"W" WHITE
"Y" YELLOW
"P" PURPLE
"T" VIOLETT

4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.00MM PCI EXPRESS 64 PIN SLOT SOCKET WITH 2 PLASTIC POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Brass or Phosphor Bronze

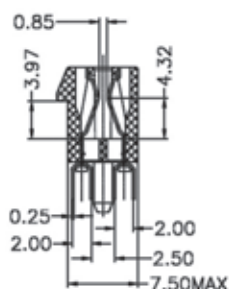
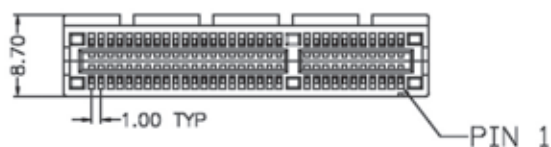
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

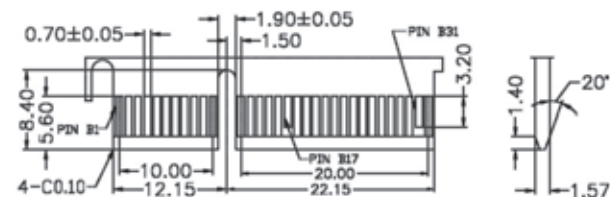
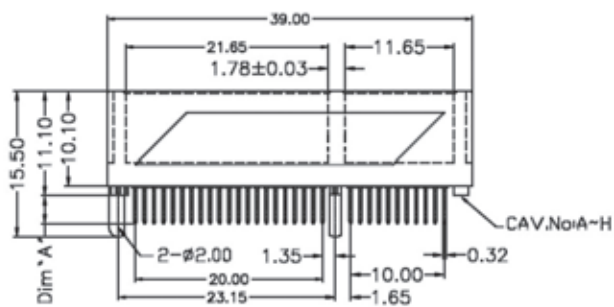
On Terminal

Body: Nylon46+30%GF (UL 94V-0)

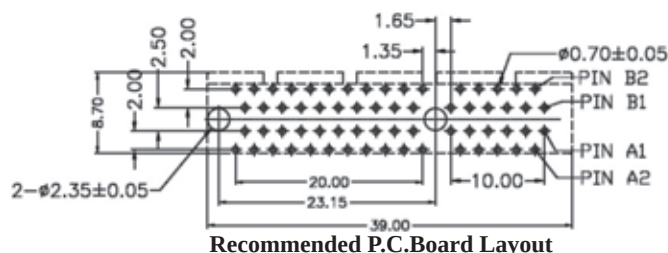
* RoHS & REACH compliant.



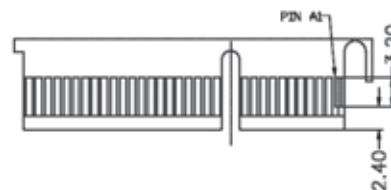
Unit:mm	
Part Number	Dim "A"
100E4-064Sxxx	2.5mm
100E5-064Sxxx	3.0mm



Secondary (Component) Side



Recommended P.C.Board Layout



Secondary (Solder) Side

ORDERING INFORMATION:

P/N 100 xx - 064 S xx xx
1 2 3 4 5

1. SOLDER LENGTH:

"E4" DIM. A= 2.5MM

"E5" DIM. A= 3.0MM

2. NO. OF CONTACTS:

064

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

4. INSULATOR COLOR:

"B" BLACK

"W" WHITE

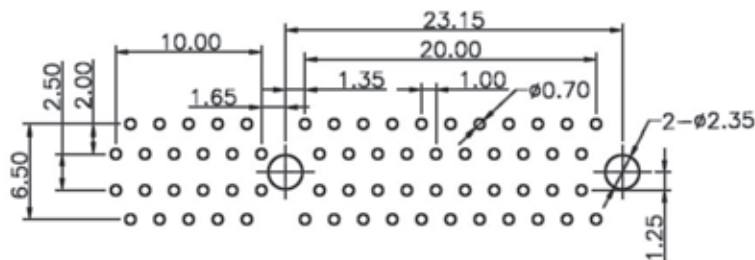
5. GOLD PLATED THICKNESS:

"01" GOLD FLASH

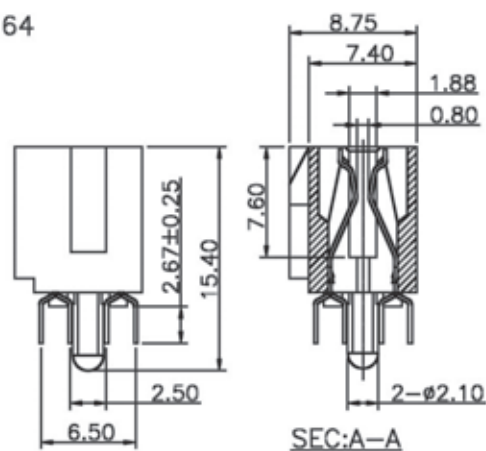
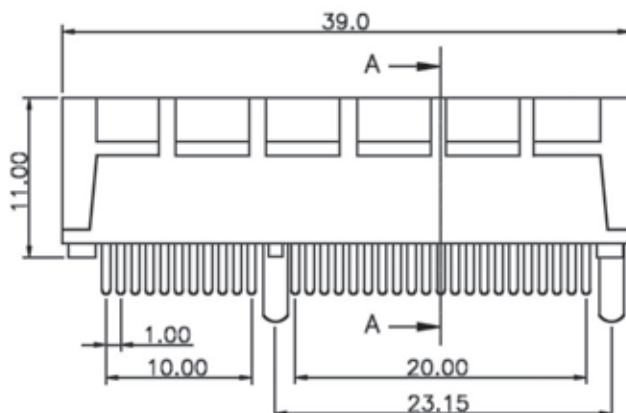
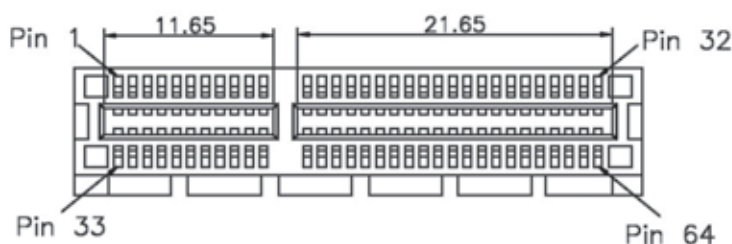
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS 64 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS & NOSES



Recommended P.C.Board Layout
(Top View)



ORDERING INFORMATION:

P/N 1 0 0 X X - 0 6 4 S x x x
1 2 3 4

1. NO. OF CONTACTS:
064
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK "U" BLUE
"C" BROWN "P" PURPLE
"Y" YELLOW "W" WHITE
"N" GREEN "V" VIOLET
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

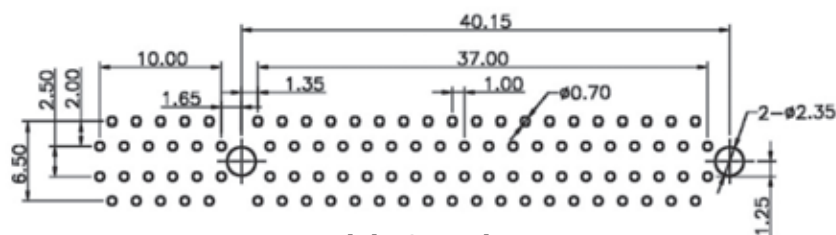
SPECIFICATIONS

Voltage Current Rating: 1A
Contact Resistance: 30mΩ Max.
Insulator Resistance: 1000MΩ Min.
Withstanding Voltage: 500V AC
Operating Temperature: -55°C to +105°C

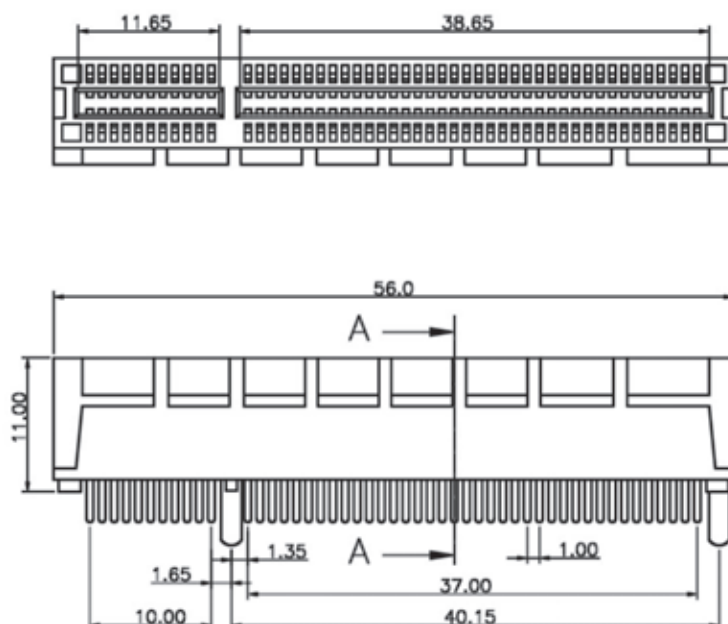
MATERIALS

Housing: High Temperature Thermoplastic
Contact: Copper Alloy
All materials must be RoHS compliant.

1.00MM PCI EXPRESS 98 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS & NOSES



Recommended P.C.Board Layout
(Top View)



SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

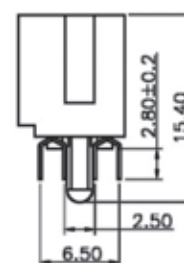
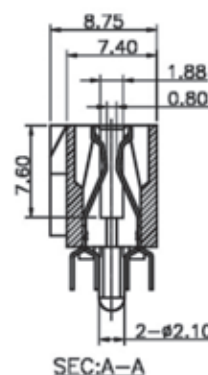
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

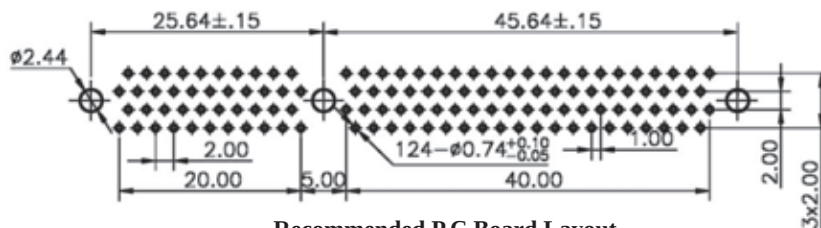
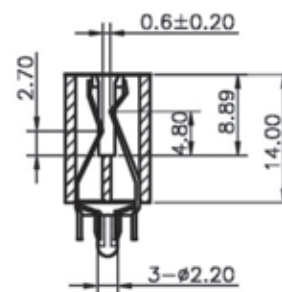
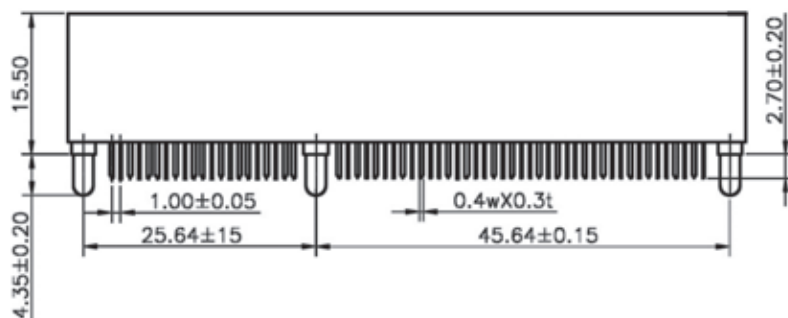
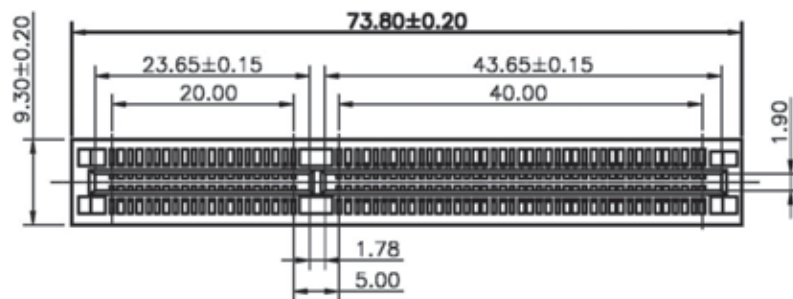


ORDERING INFORMATION:

P/N 1 0 0 X X - 0 9 8 S X X X
1 2 3 4

1. NO. OF CONTACTS:
098
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK "N" GREEN
"C" BROWN "U" BLUE
"Y" YELLOW "W" WHITE
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.00MM PCI EXPRESS AGP 124 PIN SLOT SOCKET STRAIGHT DIP TYPE LAYOUT RECERSE WITH POSTS



Recommended P.C.Board Layout
(Top View)

SPECIFICATIONS

Voltage Current Rating: 1A 250V AC
Contact Resistance: 20mΩ Max.
Insulator Resistance: 800MΩ Min.
Withstanding Voltage: 400V AC
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic
Contact: Brass
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 X R - 1 2 3 4 S C X X
1 2 3 4

1. NO. OF CONTACTS:
124
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"C" BROWN
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.00MM PCI EXPRESS AGP 124 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Voltage Current Rating: 1A 250V AC

Contact Resistance: 20mΩ Max.

Insulator Resistance: 800MΩ Min.

Withstanding Voltage: 400V AC

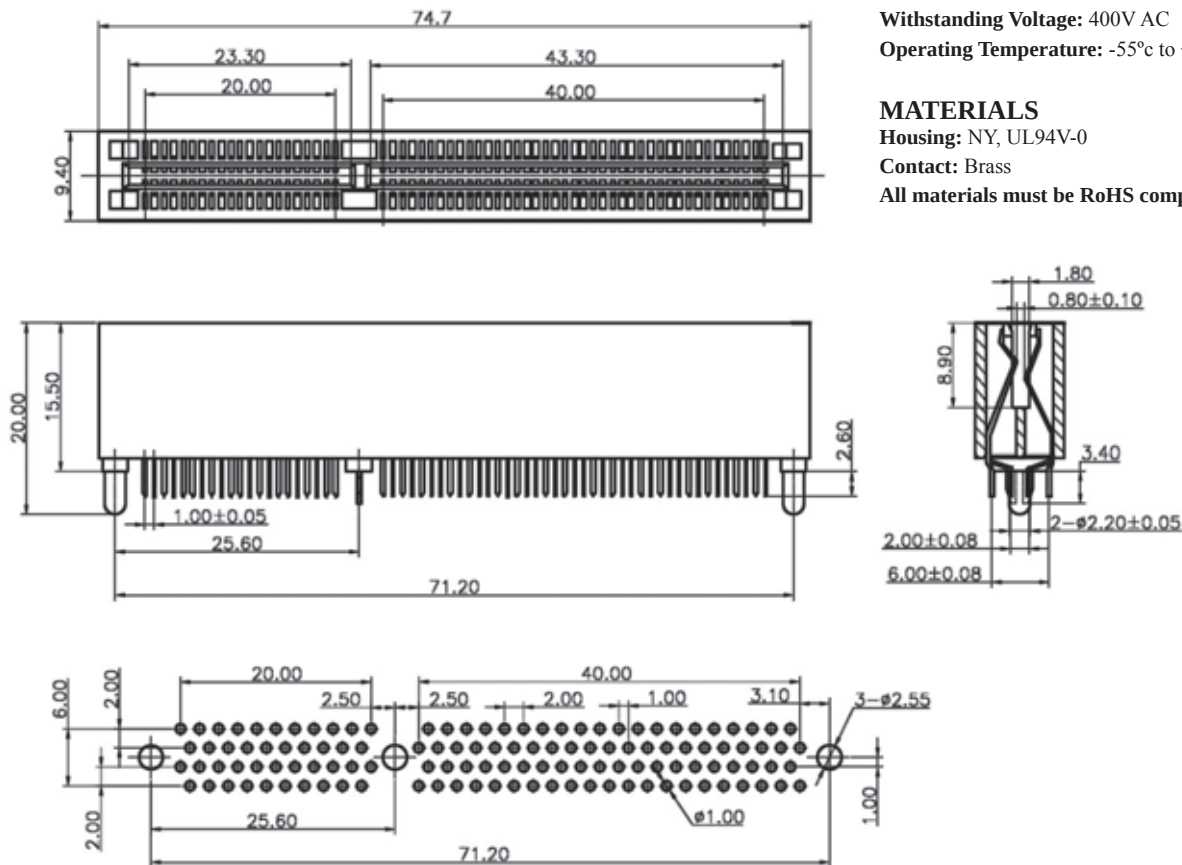
Operating Temperature: -55°C to +85°C

MATERIALS

Housing: NY, UL94V-0

Contact: Brass

All materials must be RoHS compliant.



Recommended P.C.Board Layout
(Top View)

ORDERING INFORMATION:

P/N 1 0 0 A H - $\frac{124}{1}$ $\frac{S}{2}$ $\frac{x}{3}$ $\frac{x}{4}$ $\frac{x}{5}$

1. NO. OF CONTACTS:
124
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
"C" BROWN
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
5. PACKAGE OPTION:
"0" TRAY
"R" TAPE & REEL

1.00MM PCI EXPRESS 164 PIN SLOT SOCKET WITH 2 PLASTIC POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Brass or Phosphor Bronze

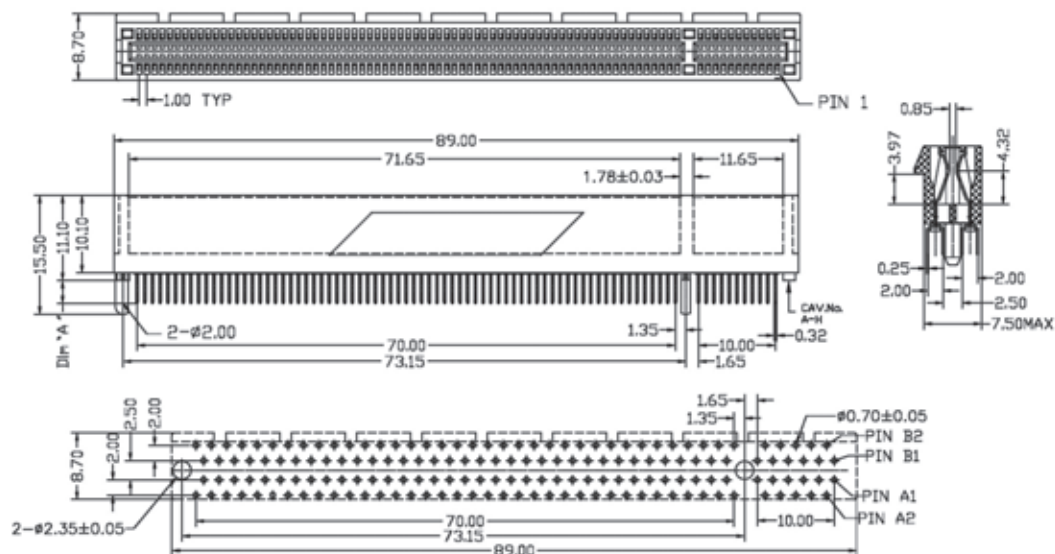
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

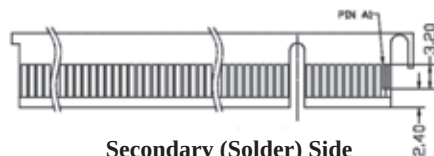
On Terminal

Body: Nylon66+30%GF (UL 94V-0)

* RoHS & REACH compliant.

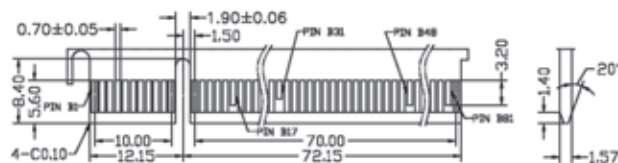


Recommended P.C.Board Layout



Secondary (Solder) Side

Part Number	Unit:mm
100E4-164Sxxx	2.5mm
100E5-164Sxxx	3.0mm



Secondary (Component) Side

ORDERING INFORMATION:

P/N 100 xx - 164 S xx xx
1 2 3 4 5

1. SOLDER LENGTH:

"E4" DIM. A= 2.5MM

"E5" DIM. A= 3.0MM

2. NO. OF CONTACTS:

164

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

4. INSULATOR COLOR:

"B" BLACK

"W" WHITE

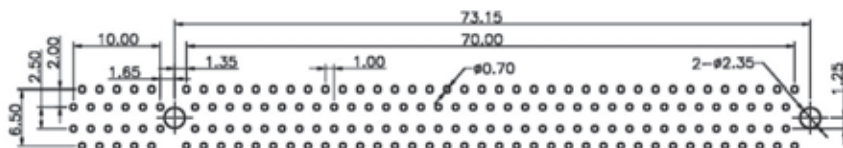
5. GOLD PLATED THICKNESS:

"01" GOLD FLASH

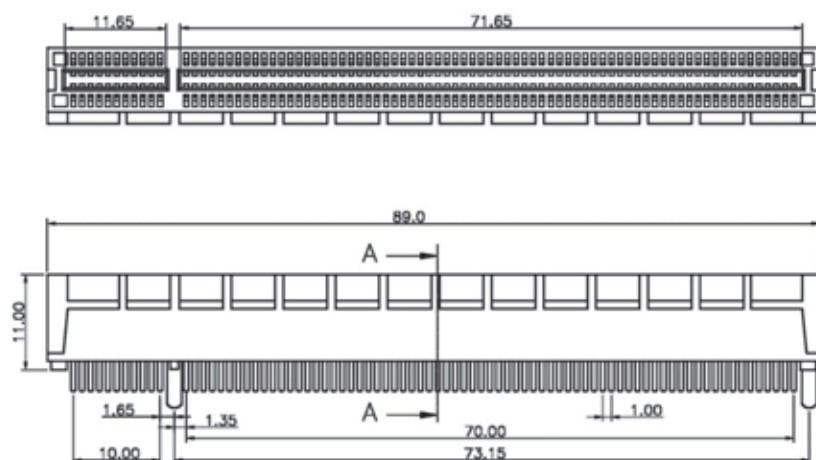
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS 164 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS & NOSES



Recommended P.C.Board Layout
(Top View)



SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

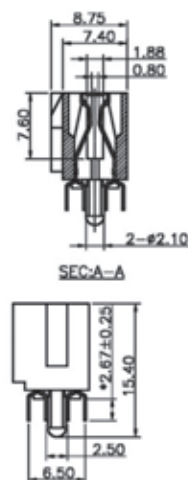
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

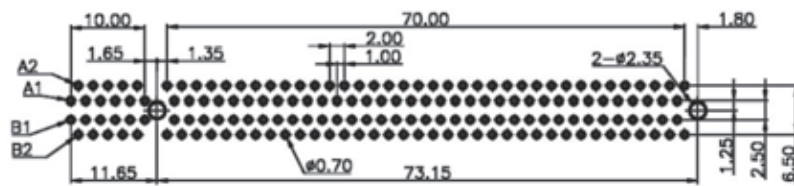


ORDERING INFORMATION:

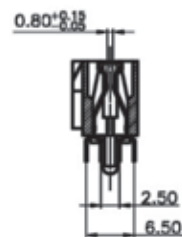
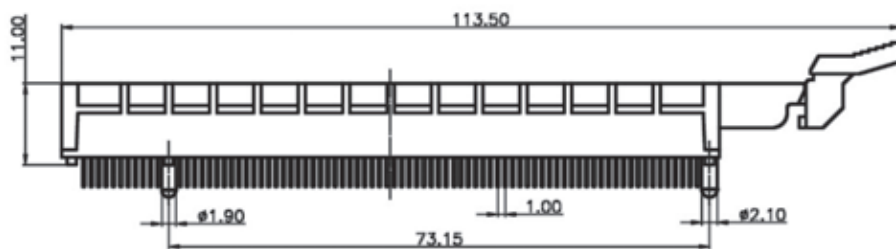
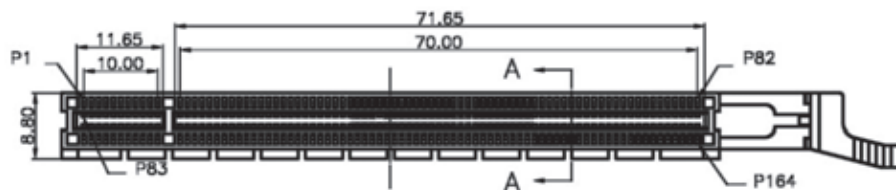
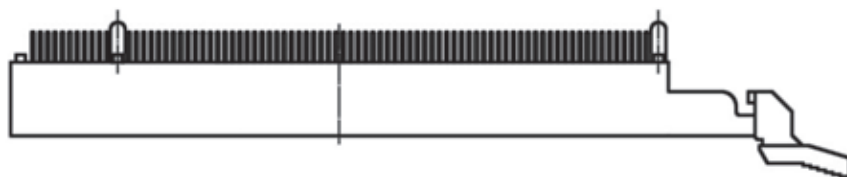
P/N 1 0 0 X X - $\frac{164}{1}$ $\frac{S}{23}$ $\frac{XX}{4}$

1. NO. OF CONTACTS:
164
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK "U" BLUE
"C" BROWN "P" PURPLE
"Y" YELLOW "W" WHITE
"N" GREEN "V" VIOLET
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

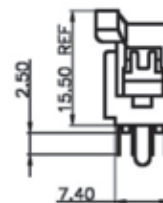
1.00MM PCI EXPRESS 164 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS & LEFT TURN LATCH



Recommended P.C. Board Layout
(Top View)



SECTION A-A



SPECIFICATIONS

Voltage Current Rating: 1.1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 X Z - $\frac{1}{1}$ $\frac{6}{2}$ $\frac{4}{3}$ $\frac{G}{4}$ X X X

1. NO. OF CONTACTS:

164

2. CONTACT FINISH:

"G" FULL GOLD PLATED

3. INSULATOR COLOR:

"B" BLACK

"U" BLUE

"C" BROWN

"P" PURPLE

"Y" YELLOW

"W" WHITE

"N" GREEN

"V" VIOLET

"O" ORANGE

4. GOLD PLATED THICKNESS:

"01" GOLD FLASH

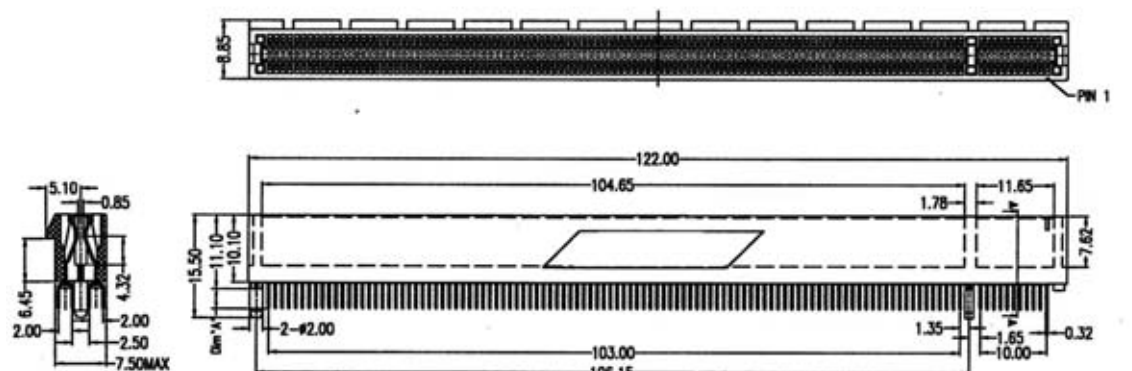
1.00MM PCI EXPRESS 230 PIN SLOT SOCKET WITH 2 PLASTIC POSTS

SPECIFICATIONS

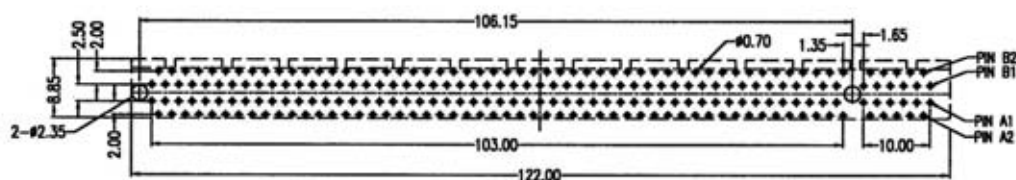
Rating Current: 1.1 Amp
Insulation Resistance: 1000MΩ Min.
Operation Voltage: 125 VAC Max.
Contact Resistance: 20mΩ Max.
Operating Temperature: -55°C to +105°C

MATERIALS

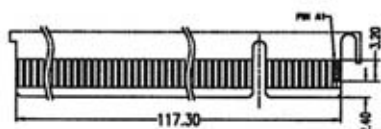
Contacts: Brass or Phosphor Bronze
Contact Plating: Gold Plating Over Nickel
 On Contact Area Tin Plating
 On Terminal
Body: Nylon66 or Nylon46 (UL 94V-0)
 * RoHS & REACH compliant.



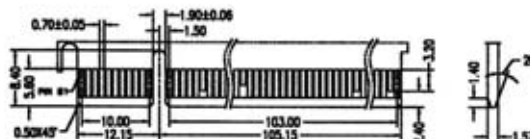
SECTION A-A



Recommended P.C.Board Layout



Secondary (Solder) Side



Secondary (Component) Side

Part Number	Unit:mm
100E4-230Sxxx	2.5mm
100E5-230Sxxx	3.0mm

ORDERING INFORMATION:

Daughter Card Requirements

P/N 1 0 0 xx - 230 S xx xx
 1 2 3 4 5

- SOLDER LENGTH:
 "E4" DIM. A= 2.5MM
 "E5" DIM. A= 3.0MM
- NO. OF CONTACTS:
 230
- CONTACT FINISH:
 "S" SELECTIVE GOLD PLATED
- INSULATOR COLOR:
 "B" BLACK
 "W" WHITE

- GOLD PLATED THICKNESS:
 "01" GOLD FLASH
 "15" 15 MICROINCH GOLD
 "30" 30 MICROINCH GOLD

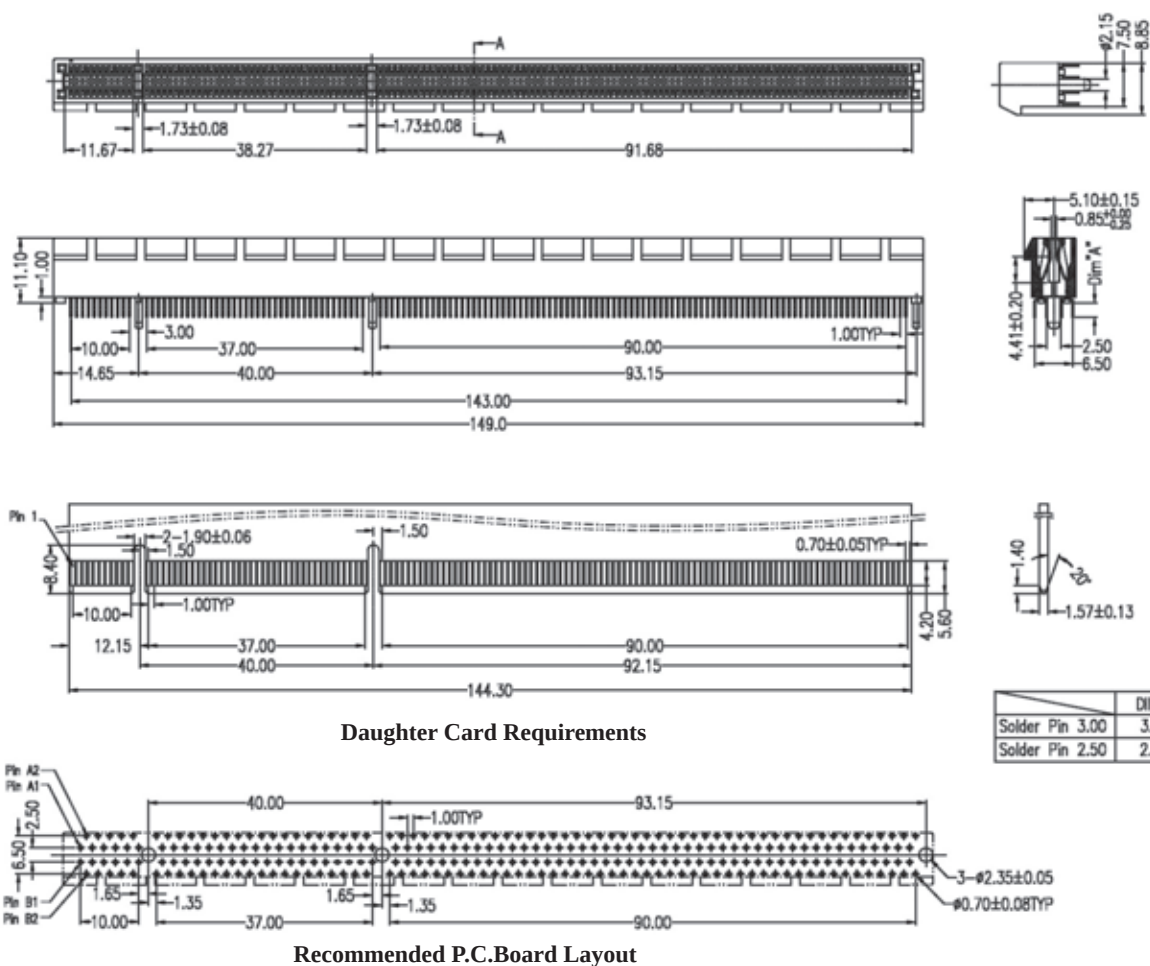
1.00MM PCI EXPRESS 280 PIN SLOT SOCKET WITH 3 PLASTIC POSTS

SPECIFICATIONS

Rating Current: 1 Amp
Insulation Resistance: 1000MΩ Min.
Operation Voltage: 125 VAC Max.
Contact Resistance: 20mΩ Max.
Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Brass or Phosphor Bronze
Contact Plating: Gold Plating Over Nickel
 On Contact Area Tin Plating
 On Terminal
Body: Nylon46+30%GF (UL 94V-0)
 * RoHS & REACH compliant.



Daughter Card Requirements

Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 0 0 xx - 2 8 0 S xx xx xx
 1 2 3 4 5

- SOLDER LENGTH:
 "E4" DIM. A= 2.5MM
 "E5" DIM. A= 3.0MM
- NO. OF CONTACTS:
 280
- CONTACT FINISH:
 "S" SELECTIVE GOLD PLATED
- INSULATOR COLOR:
 "B" BLACK
 "W" WHITE
- GOLD PLATED THICKNESS:
 "01" GOLD FLASH
 "15" 15 MICROINCH GOLD
 "30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS ALL PIN SLOT SOCKET WITH ONE PLASTIC POST

MATERIALS

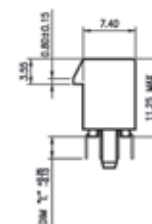
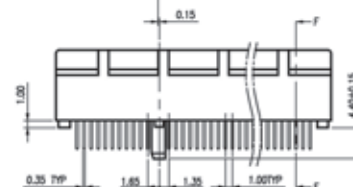
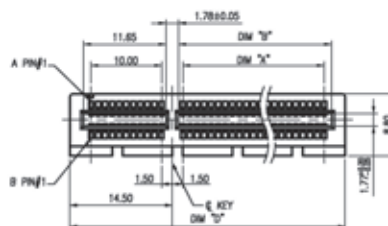
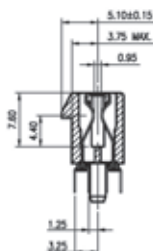
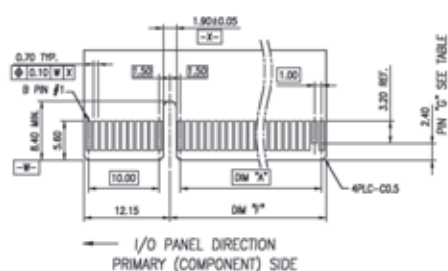
Housing: Thermoplastic, High Temp
(UL 94V-0)

Contacts: Copper Alloy

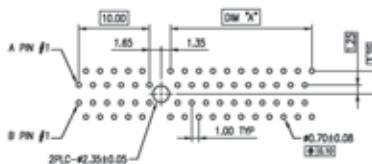
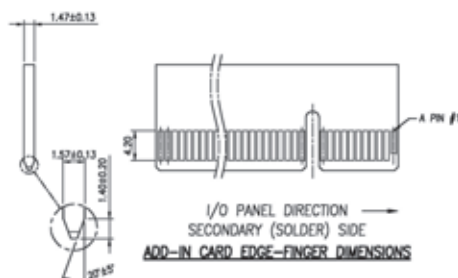
Contact Plating: Selective Gold Plating
on Contact Area

* RoHS & REACH compliant.

DIMENSIONS						
POSITION	A ± 0.10	B $+0.15$ -0.05	D ± 0.23	C	F ± 0.20	G
36	6	7.65	25.00	9.15	8.15	B PIN#17
64	20	21.65	39.00	23.15	22.15	B PIN#31
98	37	38.65	56.00	40.15	39.15	B PIN#48
164	70	71.65	89.00	73.15	72.15	B PIN#81



SECTION F-F



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 0 0 XX - XXX S XX XX

- TAIL LENGTH:
"XA" DIM. E= 2.30MM
"XB" DIM. E= 3.10MM
- NO. OF CONTACTS:
036, 064, 098, 164
- CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
- INSULATOR COLOR:
"B" BLACK
"W" WHITE
- GOLD PLATED THICKNESS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS ALL PIN SLOT SOCKET WITH METAL POSTS

MATERIALS

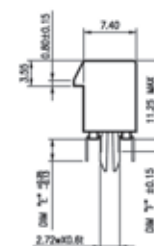
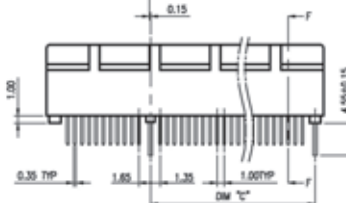
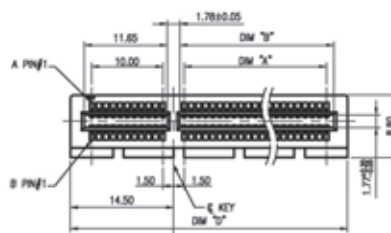
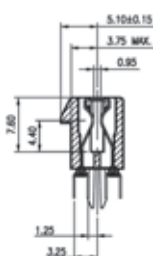
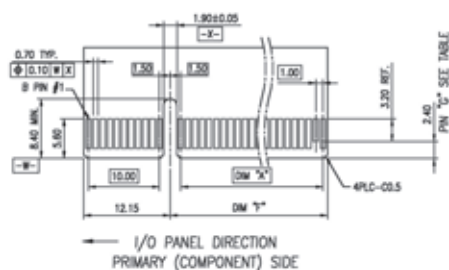
Housing: Thermoplastic, High Temp
(UL 94V-0)

Contacts: Copper Alloy

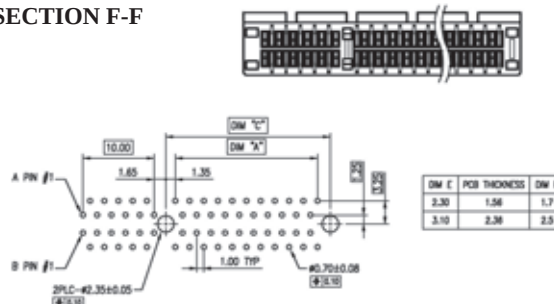
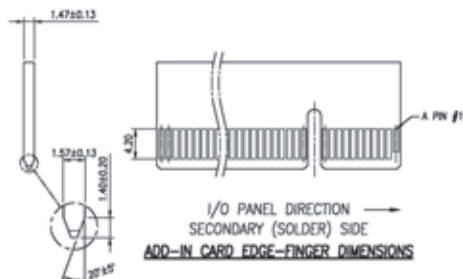
Contact Plating: Selective Gold Plating
on Contact Area

*** RoHS & REACH compliant.**

DIMENSIONS						
POSITION	A ± 0.10	B $\begin{smallmatrix} +0.15 \\ -0.05 \end{smallmatrix}$	C ± 0.20	D ± 0.23	F ± 0.20	G
36	6	7.65	9.15	25.00	8.15	B PIN#17
64	20	21.65	23.15	39.00	22.15	B PIN#31
98	37	38.65	40.15	56.00	39.15	B PIN#48
164	70	71.65	73.15	89.00	72.15	B PIN#81



SECTION F-F



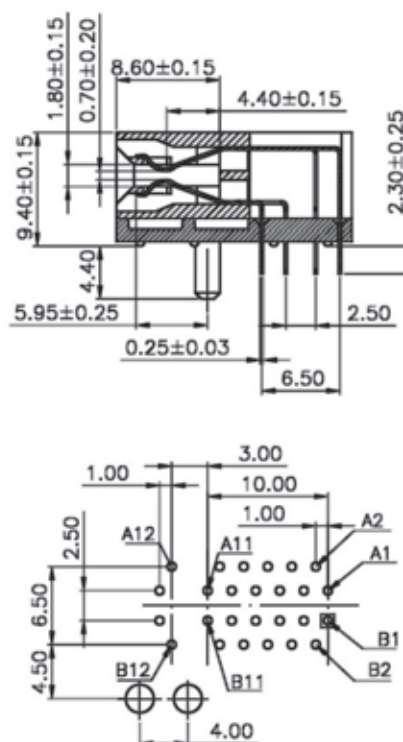
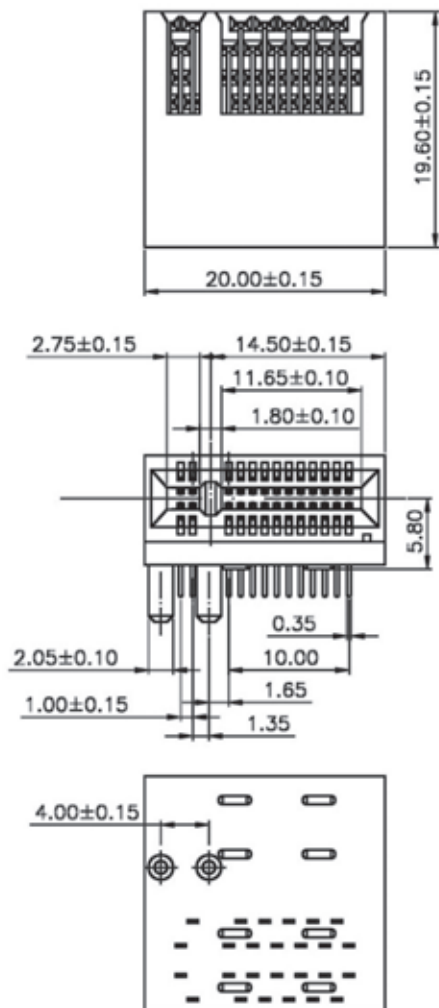
Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 100 xx - xxx S xx xx
1 2 3 4 5

1. TAIL LENGTH:
"XE" DIM. E= 2.30MM
"XF" DIM. E= 3.10MM
2. NO. OF CONTACTS:
036, 064, 098, 164
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
4. INSULATOR COLOR:
"B" BLACK
"W" WHITE
5. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS 26 PIN SLOT SOCKET RIGHT ANGLE DIP TYPE WITH POSTS



Recommended P.C.Board Layout
(Top View)

SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

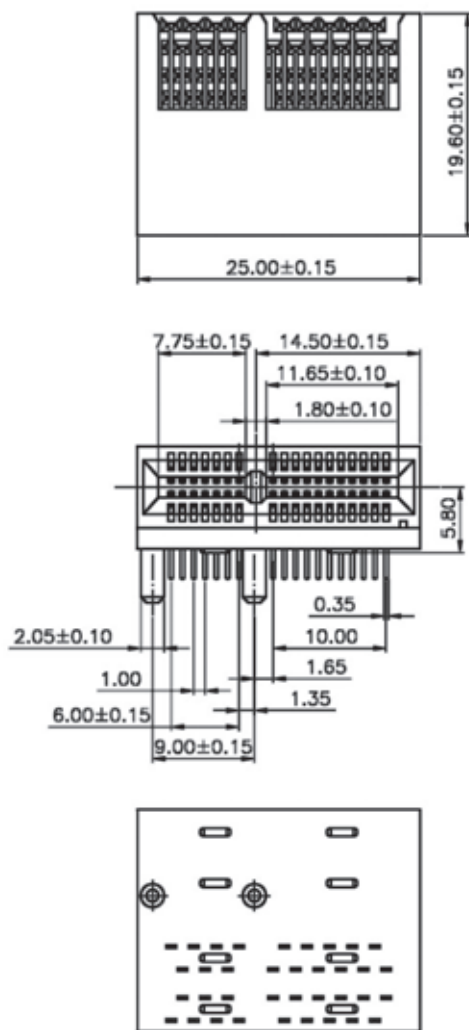
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 X Y - 0 2 6 S B x x
1 2 3 4

1. NO. OF CONTACTS:
026
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"15" 15 MICROINCH GOLD

1.00MM PCI EXPRESS 36 PIN SLOT SOCKET RIGHT ANGLE DIP TYPE WITH POSTS



SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

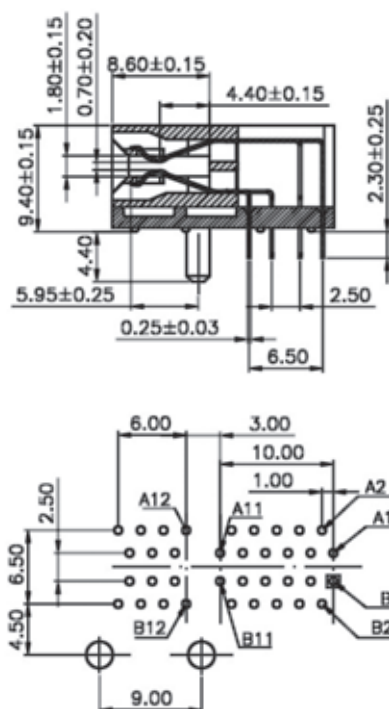
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.



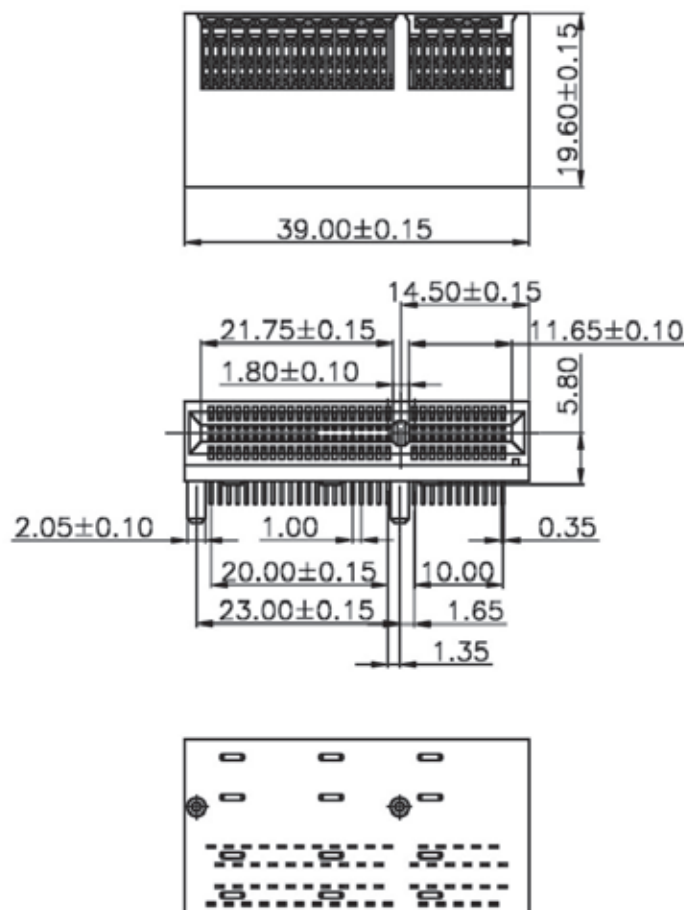
Recommended P.C.Board Layout
(Top View)

ORDERING INFORMATION:

P/N 1 0 0 X Y - 0 3 6 S B x x
 1 2 3 4

1. NO. OF CONTACTS:
036
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"15" 15 MICROINCH GOLD

1.00MM PCI EXPRESS 64 PIN SLOT SOCKET RIGHT ANGLE DIP TYPE WITH POSTS



SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

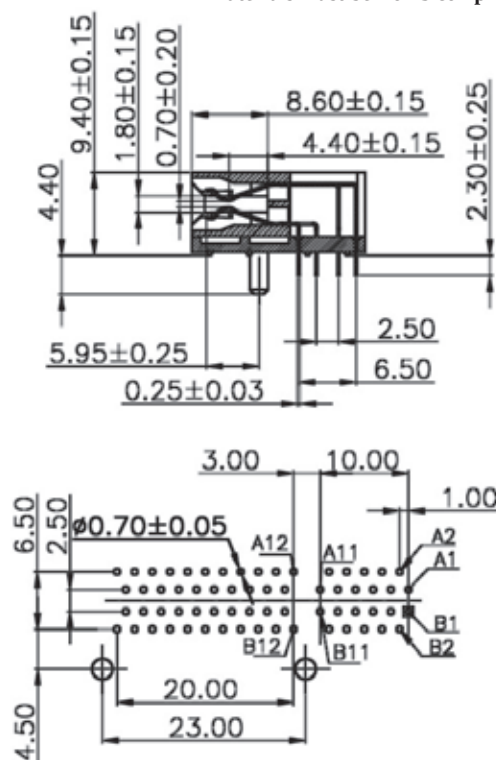
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout
(Top View)

ORDERING INFORMATION:

P/N 1 0 0 X Y - 0 6 4 S B x x
1 2 3 4

1. NO. OF CONTACTS:
064
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

1.00MM PCI EXPRESS 98 PIN SLOT SOCKET RIGHT ANGLE DIP TYPE WITH POSTS

SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

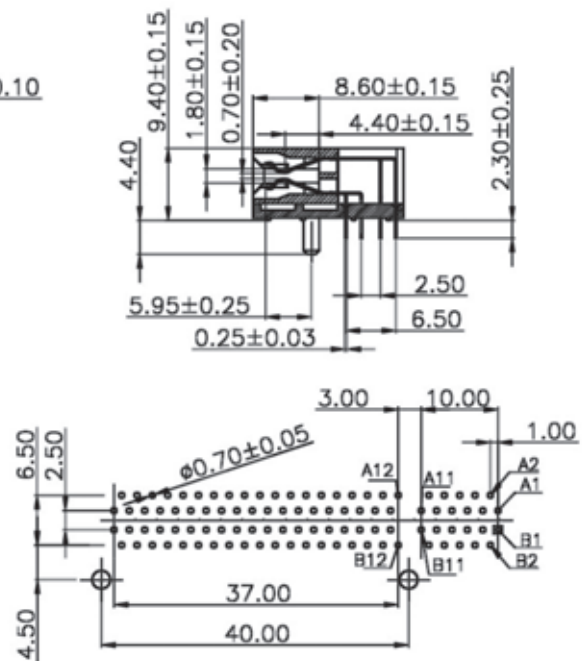
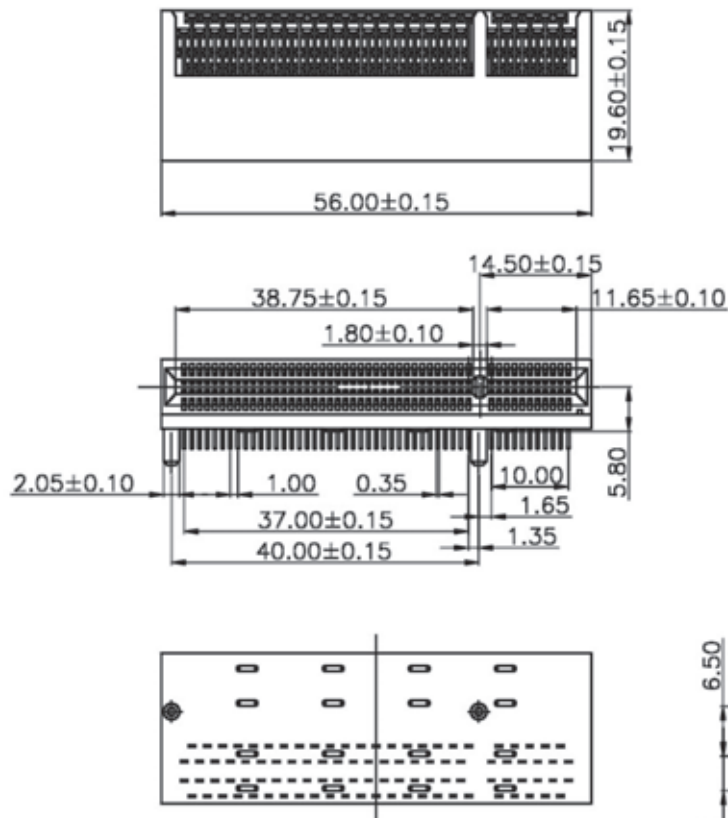
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.



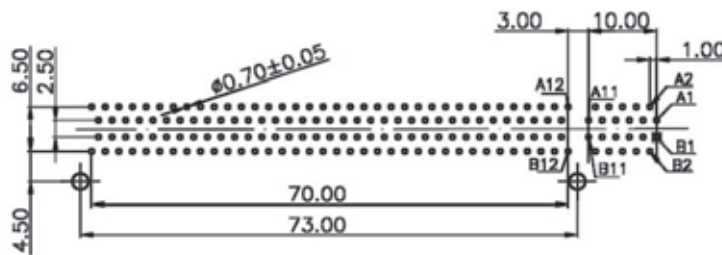
Recommended P.C.Board Layout (Top View)

ORDERING INFORMATION:

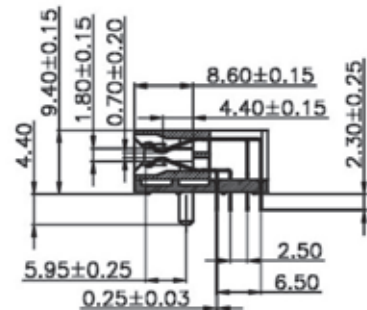
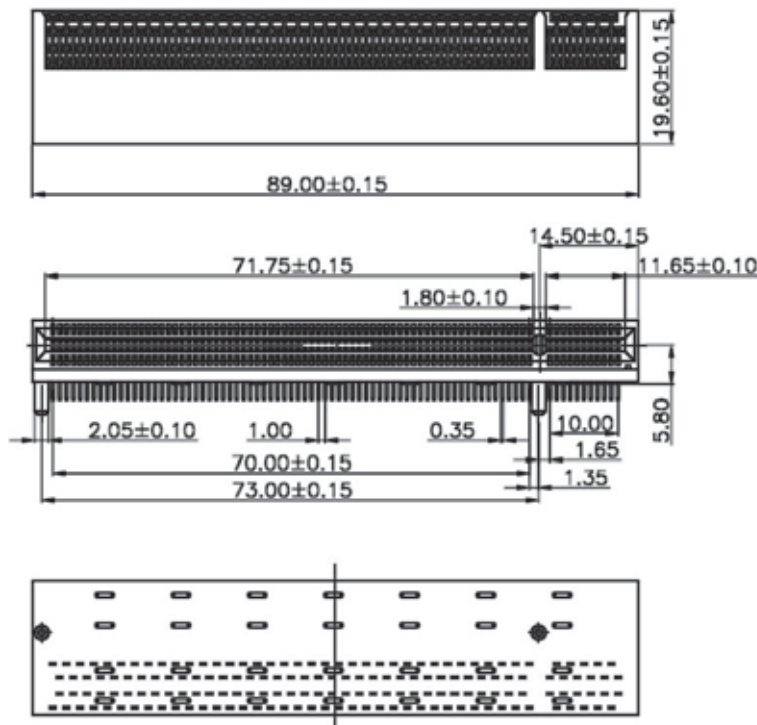
P/N 100XY - $\frac{098}{1}\frac{SB}{23}\frac{xx}{4}$

1. NO. OF CONTACTS:
098
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"15" 15 MICROINCH GOLD
"30" 15 MICROINCH GOLD

1.00MM PCI EXPRESS 164 PIN SLOT SOCKET RIGHT ANGLE DIP TYPE WITH POSTS



Recommended P.C.Board Layout
(Top View)



SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 X Y - $\frac{164}{1}$ $\frac{S}{2}$ $\frac{B}{3}$ $\frac{XX}{4}$

1. NO. OF CONTACTS:
164
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.00MM PCI EXPRESS ALL PIN SLOT SOCKET RIGHT ANGLE DIP TYPE

SPECIFICATIONS

Rating Current: 1.1 Amp

Insulation Resistance: 30mΩ Max.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Brass

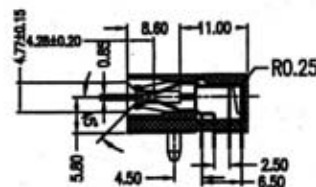
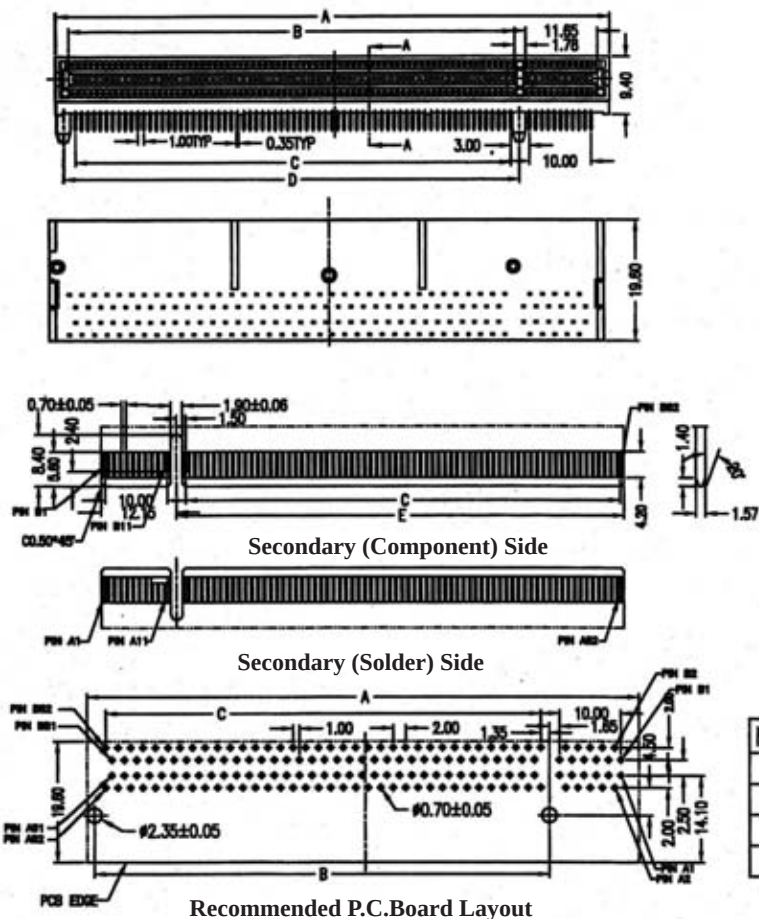
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

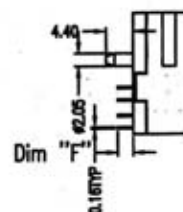
On Solder Tail

Body: Nylon46+30%GP (UL 94V-0)

* RoHS & REACH compliant.



SECTION A-A



Part Number	Dim F
100EK-xxxSBxx	2.50mm
100EL-xxxSBxx	3.10mm
100EM-xxxSBxx	3.56mm

NO. of PIN	DIM A	DIM B	DIM C	DIM D	DIM E
164P	89.00	71.65	70.00	73.15	72.15
98P	56.00	38.65	37.00	40.15	39.15
64P	39.00	21.65	20.00	23.15	22.15
36P	25.00	7.65	6.00	9.15	8.15

ORDERING INFORMATION:

P/N 1 0 0 xx - xxx S B xx
1 2 3 4 5

1. SOLDER HEIGHT:

"EK" DIM. F= 2.50MM

"EL" DIM. F= 3.10MM

"EM" DIM. F= 3.56MM

2. NO. OF CONTACTS:

036, 064, 098, 164

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

4. INSULATOR COLOR:

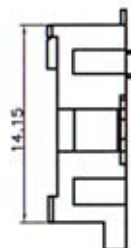
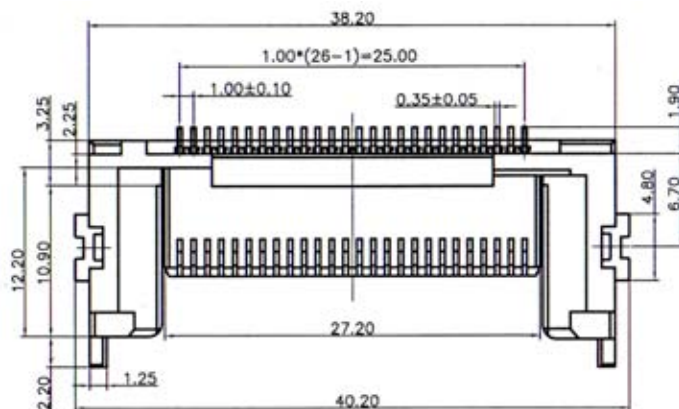
"B" BLACK

5. GOLD PLATED THICKNESS:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

1.00MM PCI EXPRESS 26 PIN SLOT SOCKET SMT TYPE WITH POSTS



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

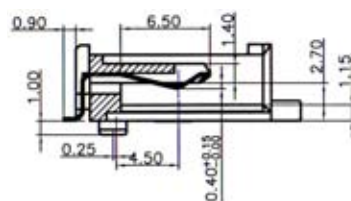
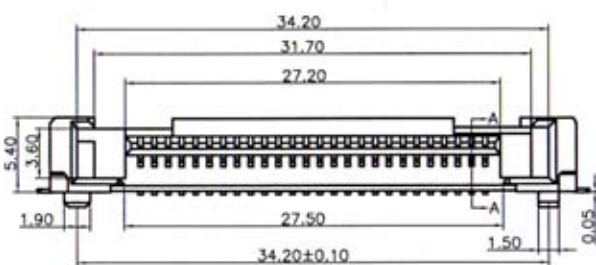
Operating Temperature: -55°C to + 105°C

MATERIALS

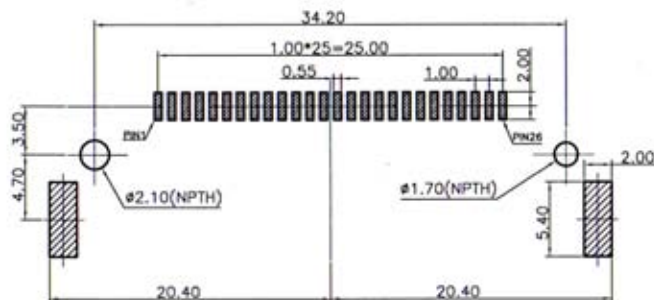
Housing: LCP, UL94V-0

Contact Material: Copper Alloy

All materials must be RoHS compliant.



SECTION A=A



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 0 0 E A - $\frac{0}{1} \frac{2}{2} \frac{6}{3} \frac{S}{4} \frac{B}{x} \frac{x}{x}$

1. NO. OF CONTACTS:
026
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.00MM PCI EXPRESS 36 PIN SLOT SOCKET SMT TYPE WITH 2 POSTS

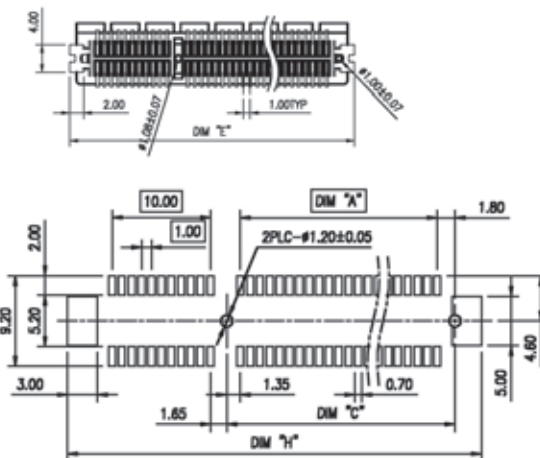
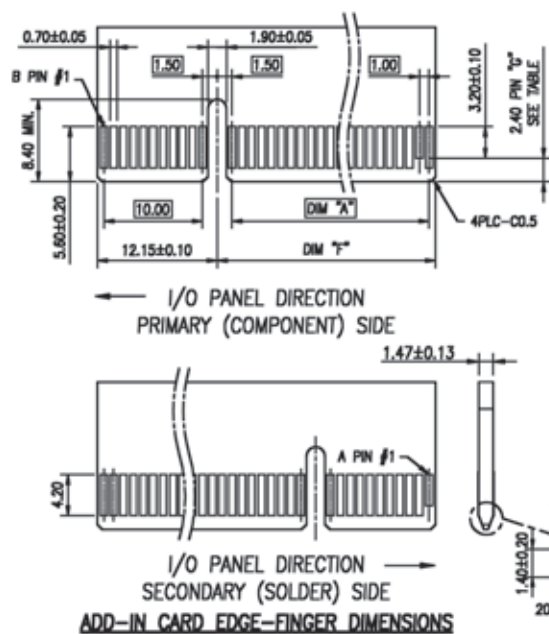
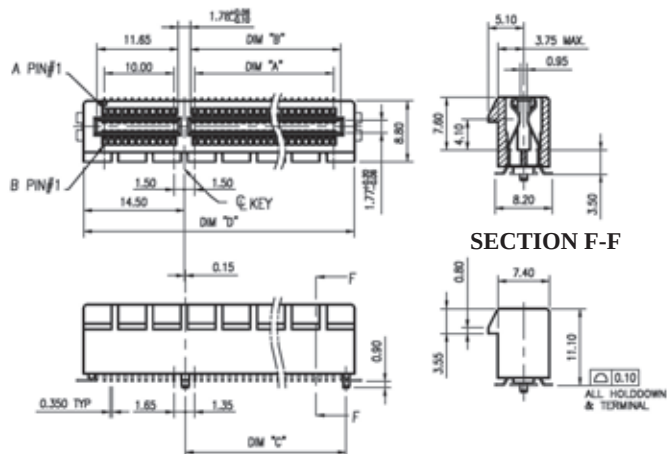
MATERIALS

Housing: Thermoplastic, High Temp
(UL 94V-0)

Contacts: Copper Alloy

Contact Plating: Selective Gold Plating
on Contact Area

* RoHS & REACH compliant.



Recommended P.C.Board Layout

DIMENSIONS								
POSITION	A ± 0.20	B ± 0.25	C ± 0.25	D ± 0.25	E ± 0.25	F ± 0.10	G	H ± 0.10
36	6	7.65	9.15	25.00	27.00	8.15	B PIN#17	28.00

ORDERING INFORMATION:

P/N 1 0 0 X G - $\frac{0}{1} \frac{3}{2} \frac{6}{3} \frac{S}{4} \frac{x}{4} \frac{x}{4} \frac{x}{4} - \frac{x}{5}$

1. NO. OF CONTACTS:
036
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
"W" WHITE
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

5. PACKAGE TYPE:
"0" IN TRAY
"C" WITH PAD IN TRAY
"N" WITH FILM IN TRAY
"R" IN TAPE & REEL
"Q" WITH PAD IN TAPE & REEL
"G" WITH FILM IN TAPE & REEL

1.00MM PCI EXPRESS 36 PIN SLOT SOCKET SMT TYPE WITH POSTS & NOSES

SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

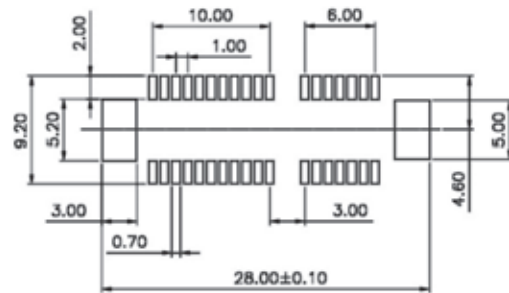
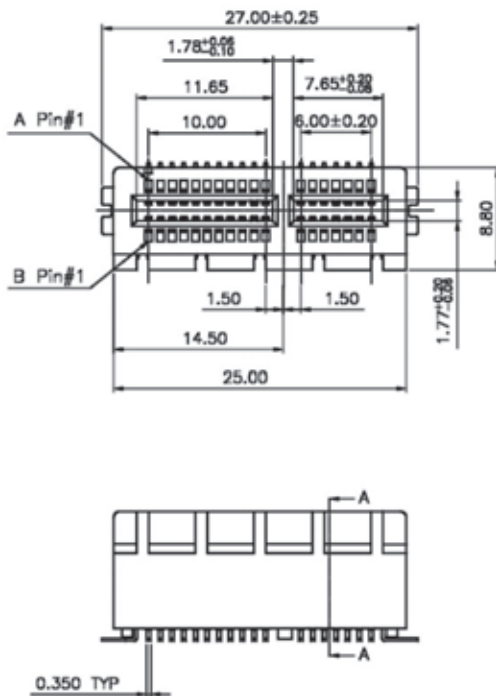
Operating Temperature: -55°C to +105°C

MATERIALS

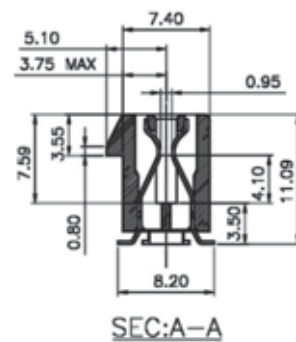
Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout
(Top View)

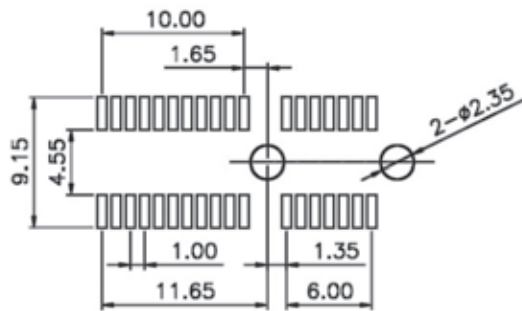


ORDERING INFORMATION:

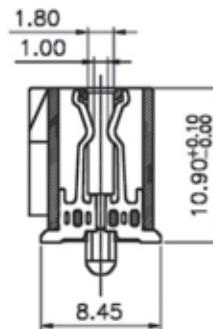
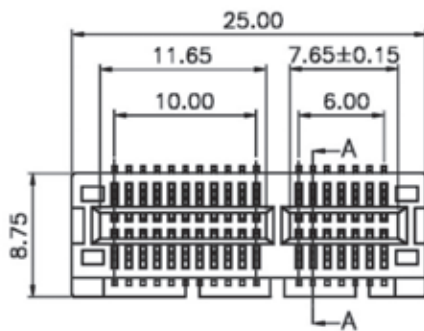
P/N 1 0 0 X W - 0 3 6 S B x x
1 2 3 4

1. NO. OF CONTACTS:
036
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

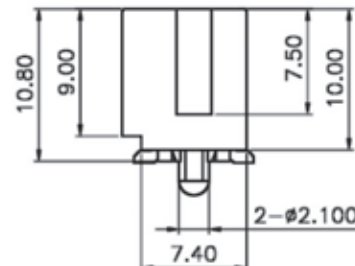
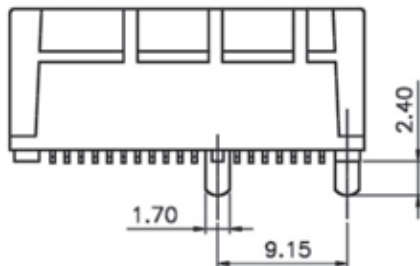
1.00MM PCI EXPRESS 36 PIN SLOT SOCKET SMT TYPE WITH POSTS & NOSES



Recommended P.C.Board Layout
(Top View)



SEC:A-A



ORDERING INFORMATION:

P/N 1 0 0 X V - 0 3 6 S B X X
 1 2 3 4

1. NO. OF CONTACTS:
036
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

1.00MM PCI EXPRESS 78 & 100 PIN SLOT SOCKET

SPECIFICATIONS

Voltage Rating: 300V AC/DC

Current Rating: 2A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 5000M Ω Min.

Temperature Range: -55°C to +105°C

Contact Resistance: 30m Ω Max

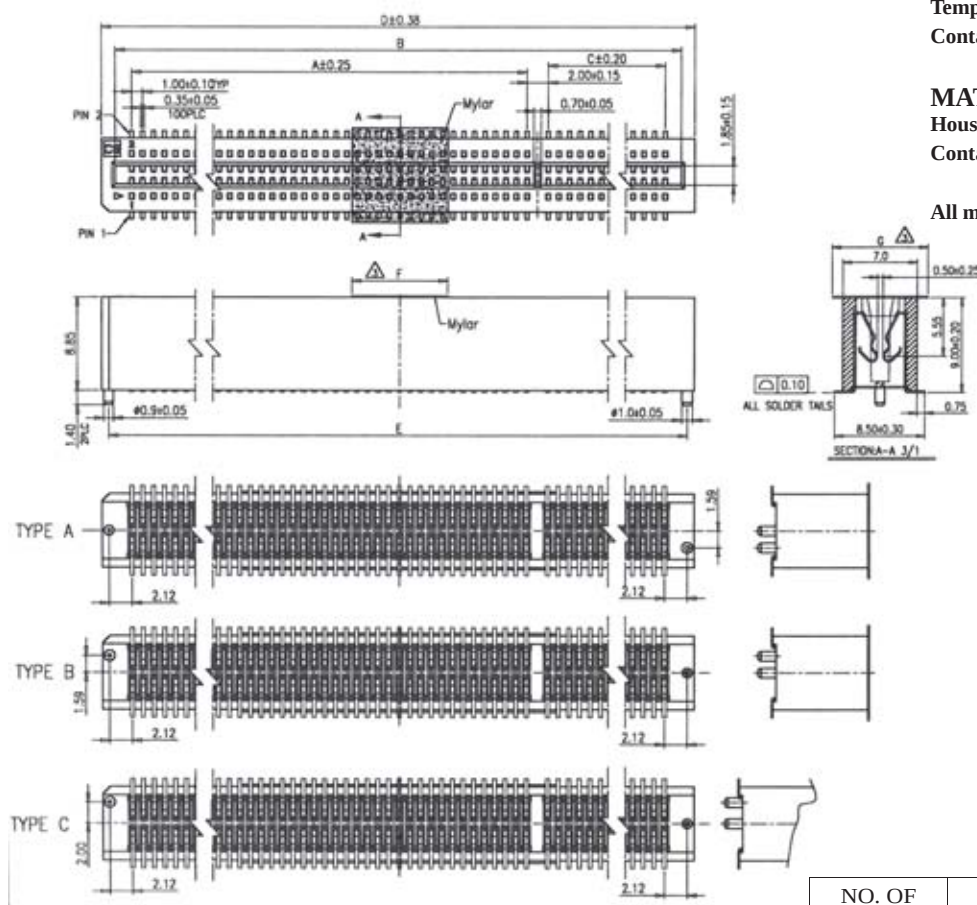
MATERIAL

Housing: High Temp. Plastic, Black

Contact: Copper Alloy, T=0.15mm

Tin/Gold Plated

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)				
	A	B	C	D	E
78	14.0	42.0	23.0	44.5	43.24
100	37.0	53.0	11.0	55.5	54.24

ORDERING INFORMATION:

P/N 1 0 0 XX - XXX S B - X
1 2 3

1. CONNECTOR TYPE:

"X1" TYPE A

"X2" TYPE B

"X3" TYPE C

2. NO. OF CONTACTS:

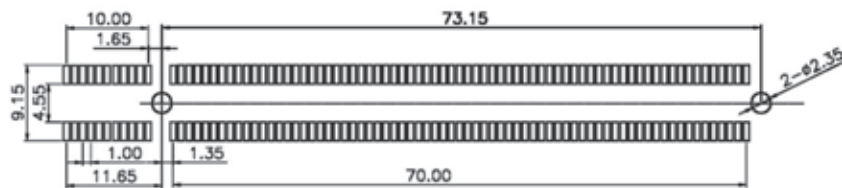
078, 100

3. PACKAGE TYPE:

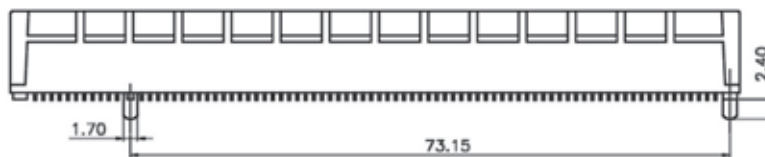
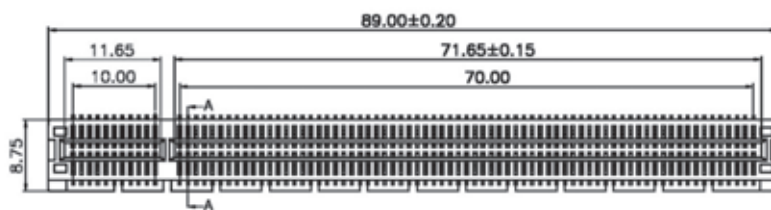
"R" WITHOUT MYLAR IN TAPE & REEL

"G" WITH MYLAR IN TAPE & REEL

1.00MM PCI EXPRESS 164 PIN SLOT SOCKET SMT TYPE WITH POSTS & NOSES



Recommended P.C.Board Layout
(Top View)



SPECIFICATIONS

Voltage Current Rating: 1A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

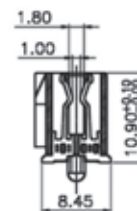
Operating Temperature: -55°C to +105°C

MATERIALS

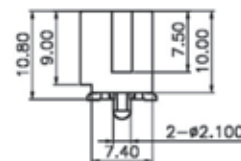
Housing: High Temperature Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.



SEC:A-A



ORDERING INFORMATION:

P/N 1 0 0 X U - $\frac{164}{1}$ $\frac{S}{2}$ $\frac{B}{3}$ $\frac{XX}{4}$

1. NO. OF CONTACTS:
164
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.00MM PCI EXPRESS ALL PIN SLOT SOCKET STRADDLE MOUNT TYPE FOR 2.08/2.30MM PCB

MATERIALS

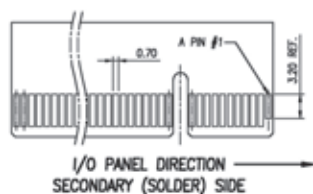
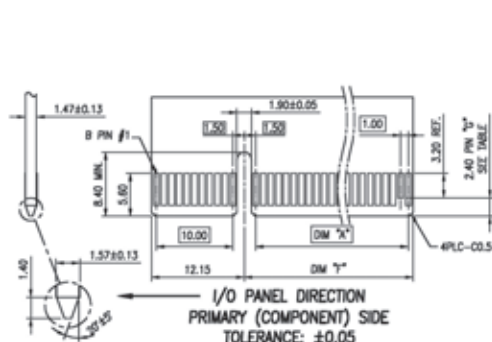
Housing: Thermoplastic, High Temp
(UL 94V-0)

Contacts: Copper Alloy

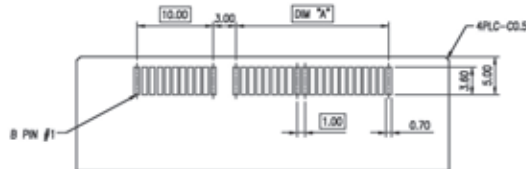
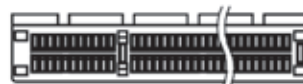
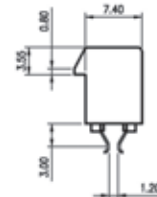
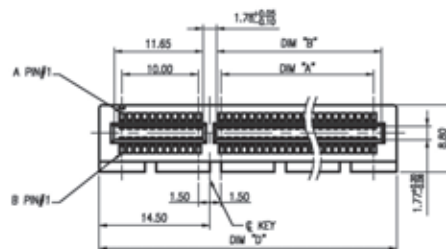
Contact Plating: Selective Gold Plating
on Contact Area

* RoHS & REACH compliant.

DIMENSIONS					
POSITION	DIM. A	DIM. F	PIN "D"	B "E"	D ±0.25
36	6	8.15	B PIN #B17	7.65	25.00
64	20	22.15	B PIN #B31	21.65	39.00
98	37	39.15	B PIN #B48	38.65	56.00
164	70	72.15	B PIN #B81	71.65	89.00



SECTION F-F



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 0 0 X P - x x x S B x x
1 2 3 4 5

- CONNECTOR TYPE:
"XP" STRADDLE TYPE FOR 2.08/2.30MM PCB
- NO. OF CONTACTS:
036, 064, 098, 164
- CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
- INSULATOR COLOR:
"B" BLACK
- GOLD PLATED THICKNESS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS ALL PIN SLOT SOCKET STRADDLE MOUNT TYPE FOR 1.57MM PCB

MATERIALS

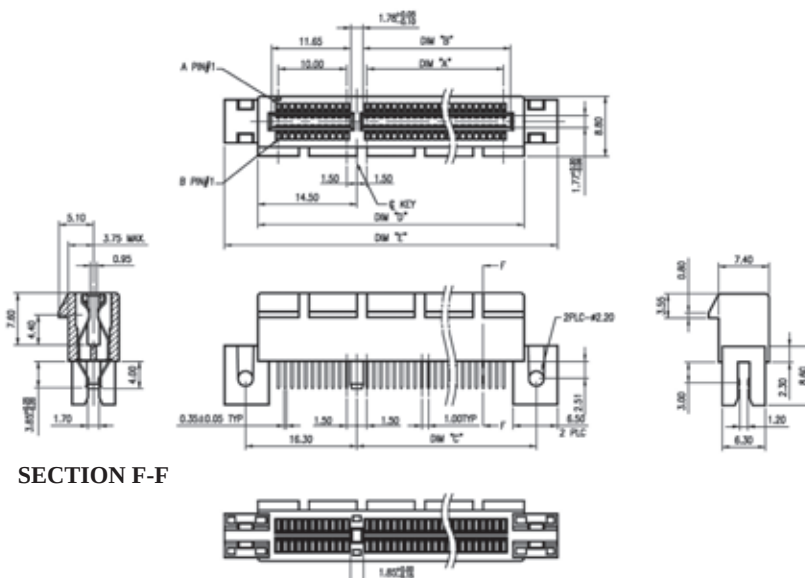
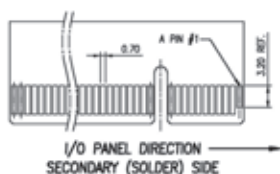
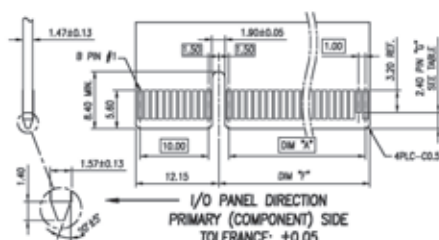
Housing: Thermoplastic, High Temp
(UL 94V-0)

Contacts: Copper Alloy

Contact Plating: Selective Gold Plating
on Contact Area

* RoHS & REACH compliant.

DIMENSIONS									
POSITION	A ±0.20	B ±0.15	C ±0.10	D ±0.25	E ±0.30	DIM. F	PIN "G"		
36	6	7.65	12.30	25.00	34.8	8.15	B PIN #B17		
64	20	21.65	26.30	39.00	48.8	22.15	B PIN #B31		
98	37	38.65	43.30	56.00	65.8	39.15	B PIN #B48		
164	70	71.65	76.30	89.00	98.8	72.15	B PIN #B81		



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 0 0 X Q - x x x S B x x
1 2 3 4 5

- CONNECTOR TYPE:
"XQ" STRADDLE TYPE FOR 1.57MM PCB
- NO. OF CONTACTS:
036, 064, 098, 164
- CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
- INSULATOR COLOR:
"B" BLACK
- GOLD PLATED THICKNESS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

1.00MM PCI EXPRESS ALL PIN SLOT SOCKET SMT TYPE WITH 2 POSTS

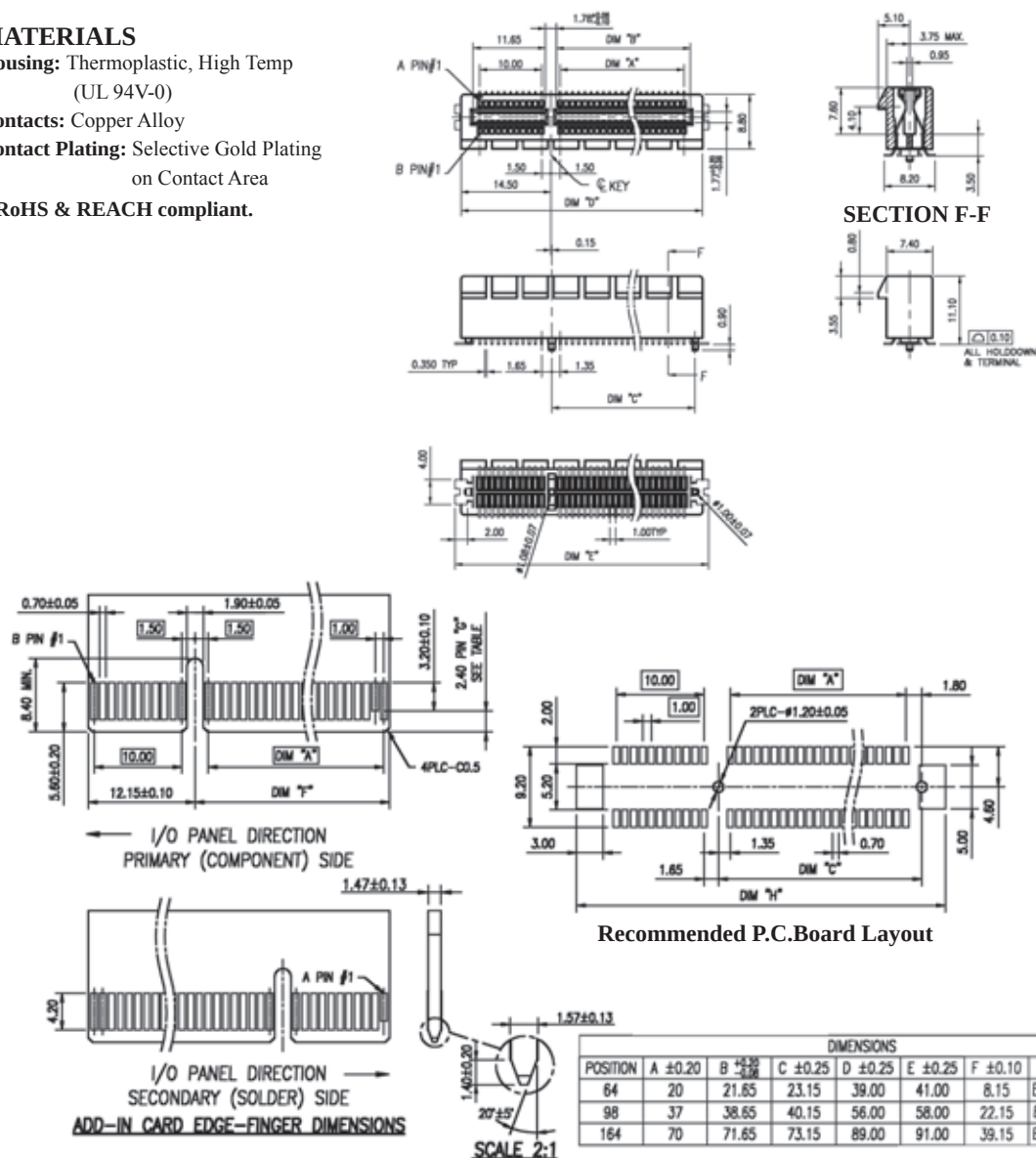
MATERIALS

Housing: Thermoplastic, High Temp
(UL 94V-0)

Contacts: Copper Alloy

Contact Plating: Selective Gold Plating
on Contact Area

*** RoHS & REACH compliant.**



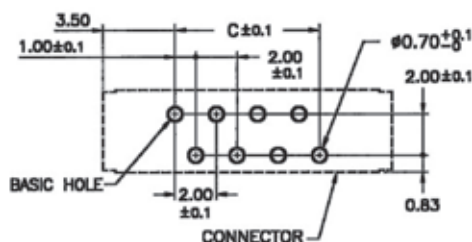
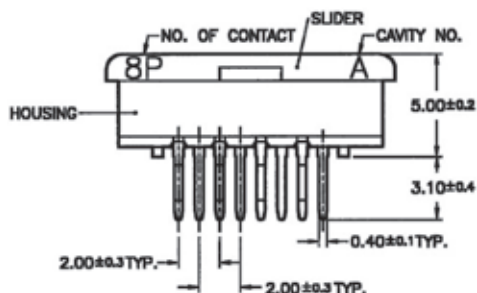
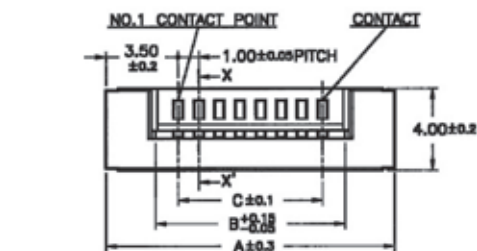
ORDERING INFORMATION:

P/N 100 X G - $\frac{xxx}{1} \frac{S}{2} \frac{x}{3} \frac{xxx}{4} - \frac{x}{5}$

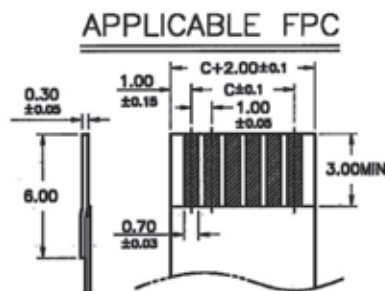
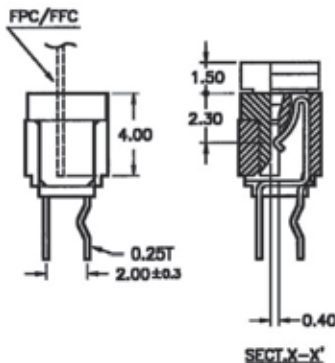
1. NO. OF CONTACTS:
064, 098, 164
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
"W" WHITE
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

5. PACKAGE TYPE:
"0" IN TRAY
"C" WITH PAD IN TRAY
"N" WITH FILM IN TRAY

1.00MM FFC/FPC ZIF CONNECTOR TOP ENTRY DIP TYPE (TYPE A)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 A

Dielectric Strength: 50V AC Min.

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon 6T

Contact: Copper Alloy

All materials must be RoHS compliant.

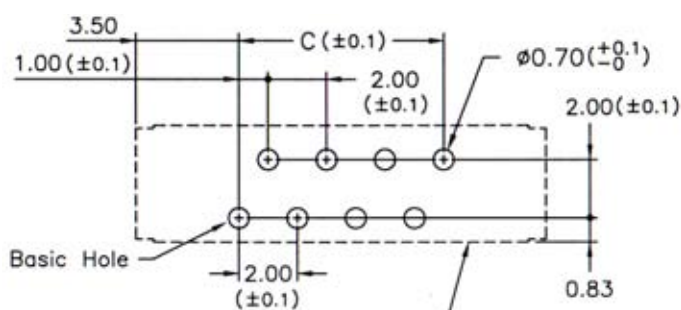
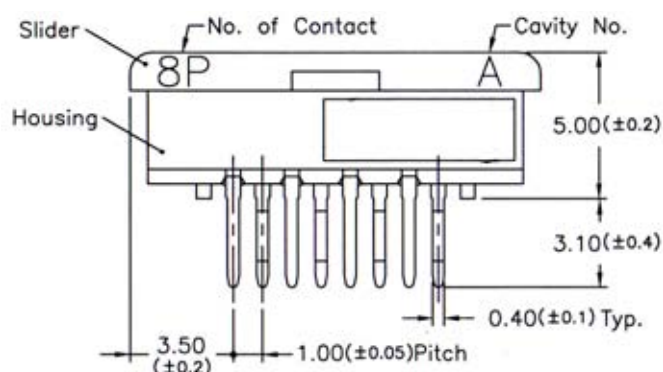
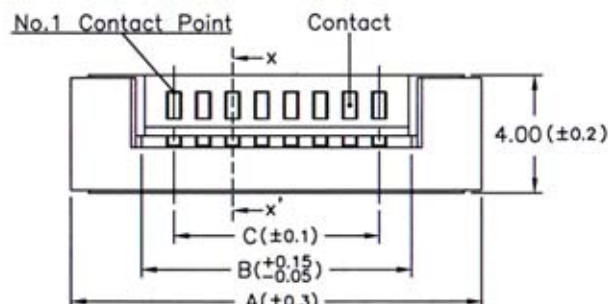
NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
4	10.0	5.2	3.0
5	11.0	6.2	4.0
6	12.0	7.2	5.0
7	13.0	8.2	6.0
8	14.0	9.2	7.0
9	15.0	10.2	8.0
10	16.0	11.2	9.0
11	17.0	12.2	10.0
12	18.0	13.2	11.0
13	19.0	14.2	12.0
14	20.0	15.2	13.0
15	21.0	16.2	14.0
16	22.0	17.2	15.0
17	23.0	18.2	16.0
18	24.0	19.2	17.0
19	25.0	20.2	18.0
20	26.0	21.2	19.0
21	27.0	22.2	20.0
22	28.0	23.2	21.0
23	29.0	24.2	22.0
24	30.0	25.2	23.0
25	31.0	26.2	24.0
26	32.0	27.2	25.0
27	33.0	28.2	26.0
28	34.0	29.2	27.0
29	35.0	30.2	28.0
30	36.0	31.2	29.0
31	37.0	32.2	30.0
32	38.0	33.2	31.0

ORDERING INFORMATION:

P/N 1 0 0 $\frac{XX}{1} - \frac{XXX}{2} T W - \frac{X}{3}$

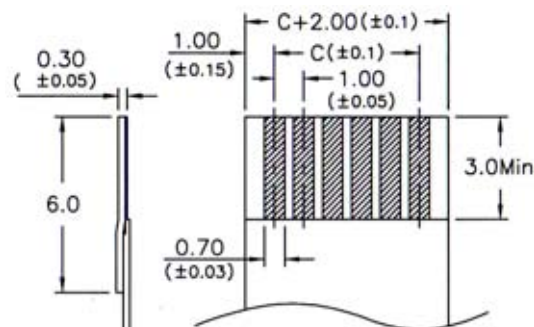
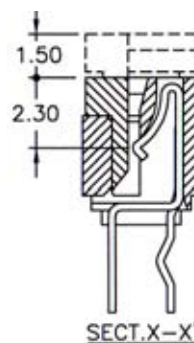
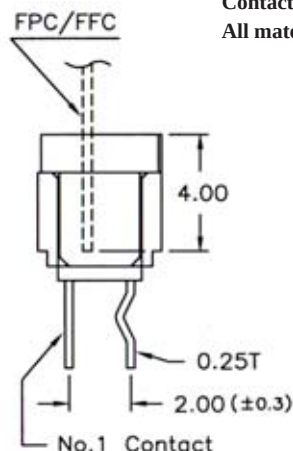
- CONNECTOR TYPE:
"BH" STRAIGHT TYPE
- NO. OF CONTACTS:
004 ~ 032
- PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC ZIF CONNECTOR TOP ENTRY DIP TYPE (TYPE B)



Recommended P.C. Board Layout

DIMENSIONS:
 $C = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. C}) + 7.0$
 $B = (\text{DIM. C}) + 2.2$



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

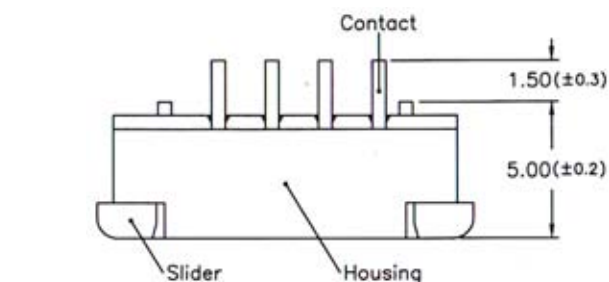
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1}$ $\frac{x}{2}$ T W - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BA" STRAIGHT TYPE
2. NO. OF CONTACTS:
004 ~ 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC ZIF CONNECTOR TOP CONTACT SIDE ENTRY TYPE



DIMENSIONS:
 $C = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. C}) + 7.0$
 $B = (\text{DIM. C}) + 2.2$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

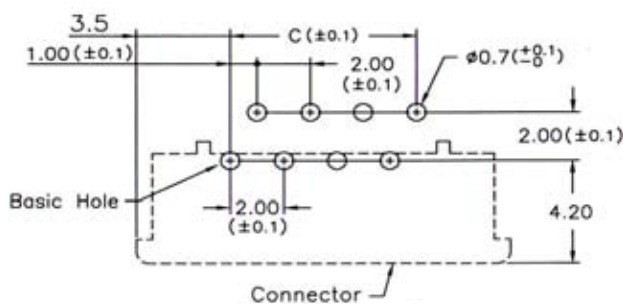
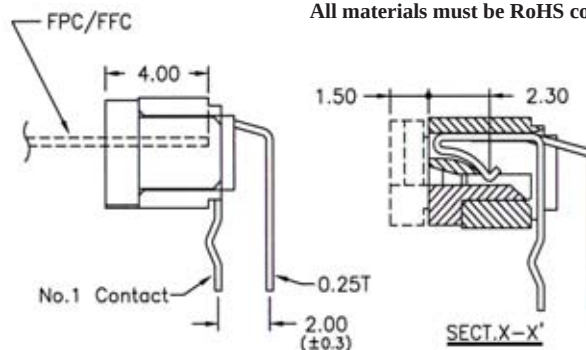
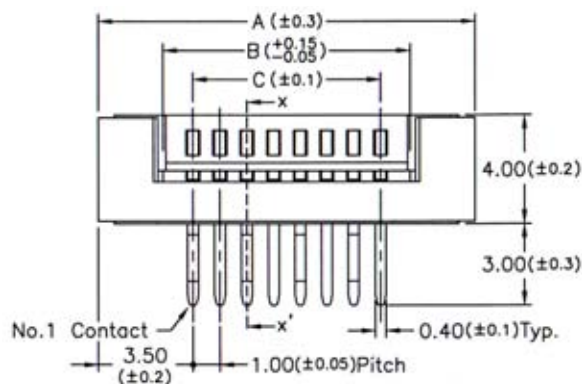
MATERIALS

Insulator: Thermoplastic, UL94V-0

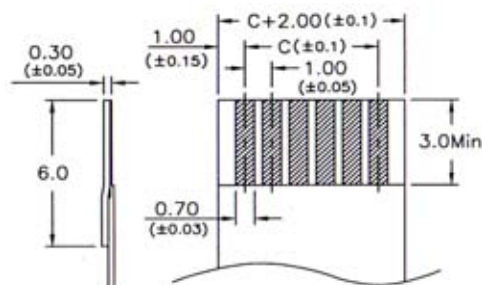
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



FPC/FFC INSERT DIRECTION
 Recommended P.C.Board Layout

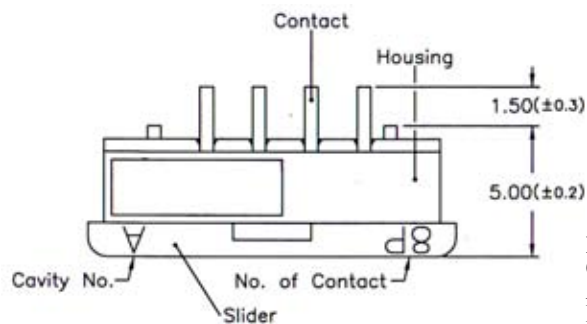


ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ T W - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BC" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
004 ~ 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC ZIF CONNECTOR BOTTOM CONTACT SIDE ENTRY TYPE



DIMENSIONS:
 $C = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. C}) + 7.0$
 $B = (\text{DIM. C}) + 2.2$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

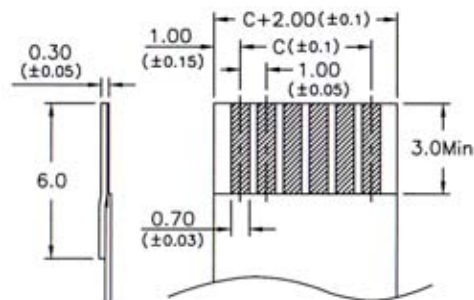
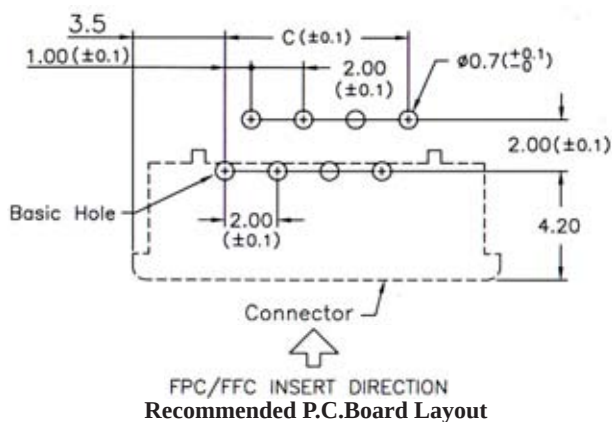
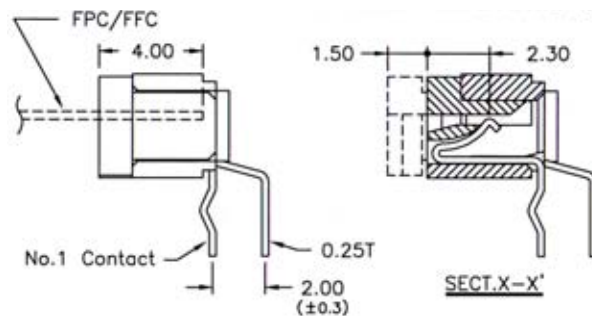
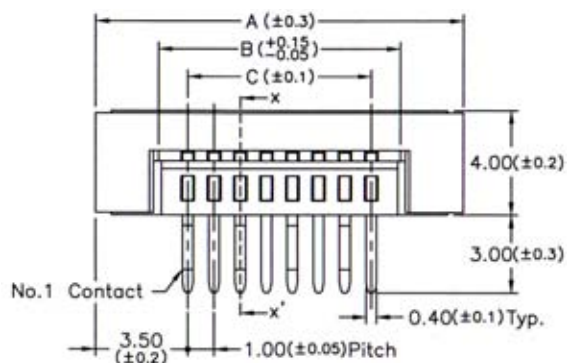
Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

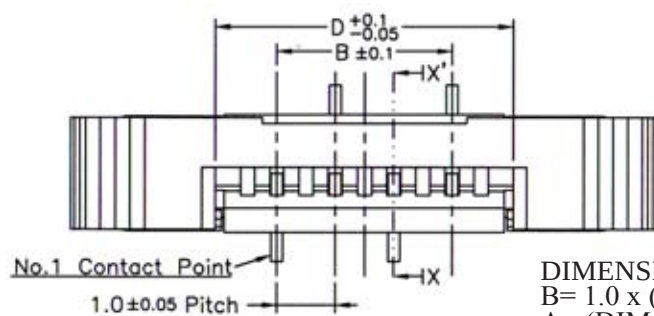


ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1} - \frac{x}{2} T W - \frac{x}{3}$

1. CONNECTOR TYPE:
"BB" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
004 ~ 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC ZIF CONNECTOR TOP ENTRY SMT TYPE (1)



DIMENSIONS:
 $B = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. } B) + 5.5$
 $C = (\text{DIM. } B) + 7.0$
 $D = (\text{DIM. } B) + 2.1$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

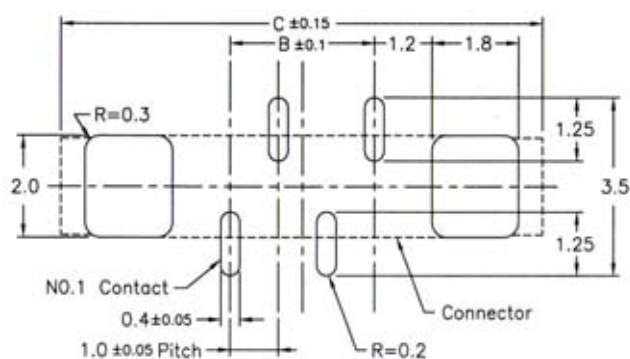
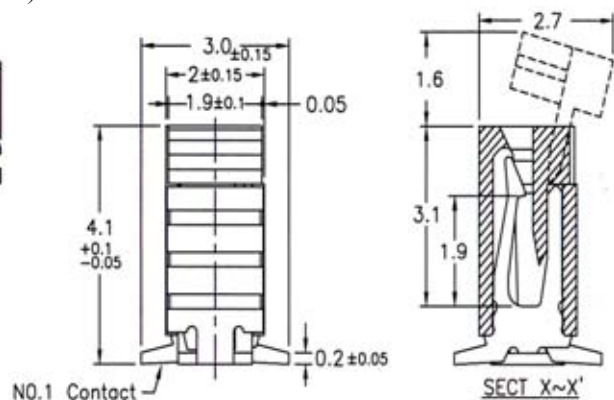
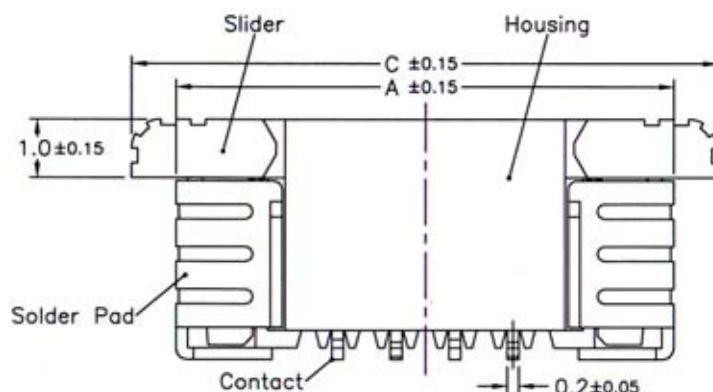
Operating Temperature: -55°C to +85°C

MATERIALS

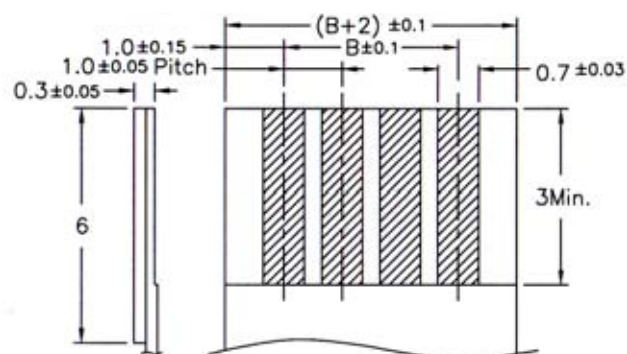
Insulator: Thermoplastic, UL94V-0
PA46

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

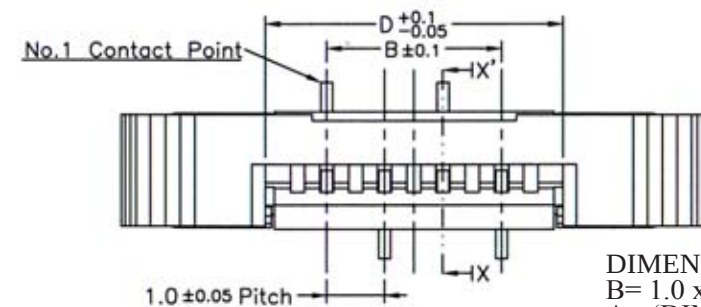


ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ T W - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BG" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 ~ 024
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

1.00MM FFC/FPC ZIF CONNECTOR TOP ENTRY SMT TYPE (2)



DIMENSIONS:
 $B = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. } B) + 5.5$
 $C = (\text{DIM. } B) + 7.0$
 $D = (\text{DIM. } B) + 2.1$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

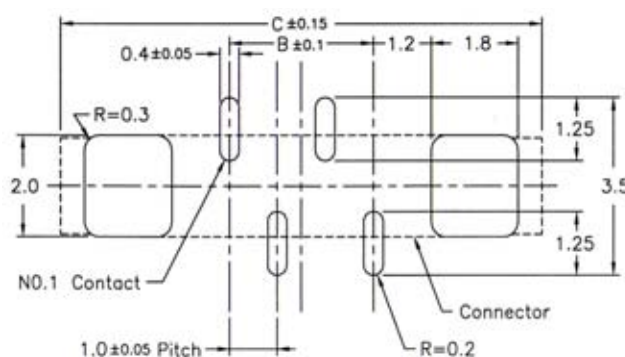
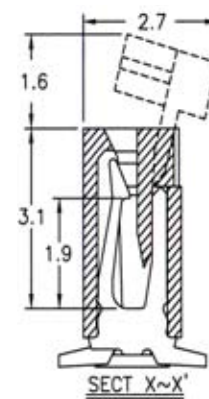
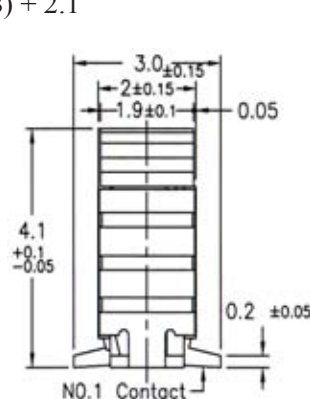
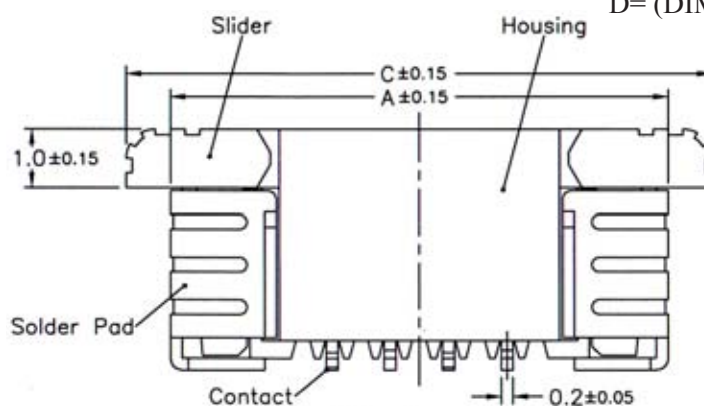
MATERIALS

Insulator: Thermoplastic, UL94V-0

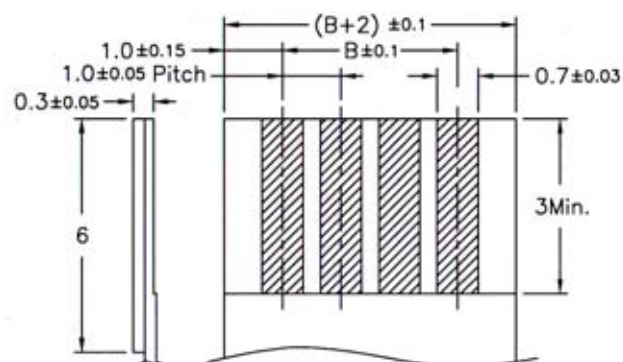
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

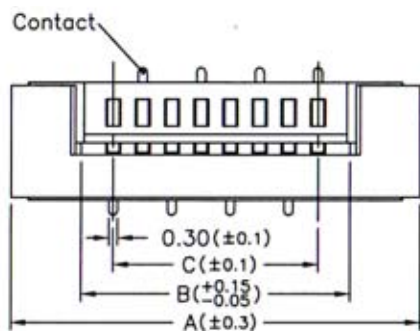


ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1} - \frac{x}{2} x T W - \frac{x}{3}$

1. CONNECTOR TYPE:
"BJ" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 ~ 024
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

1.00MM FFC/FPC ZIF CONNECTOR TOP ENTRY SMT TYPE (3)



DIMENSIONS:
 $C = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. C}) + 7.0$
 $B = (\text{DIM. C}) + 2.2$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

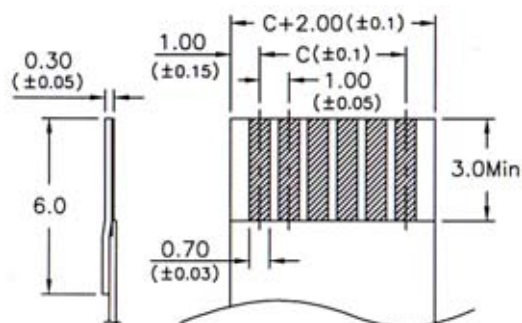
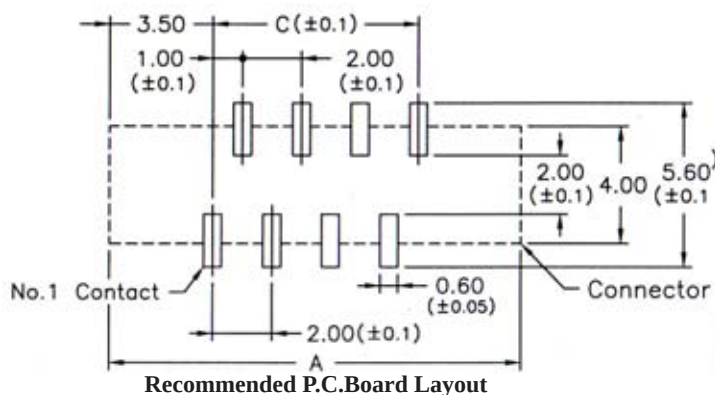
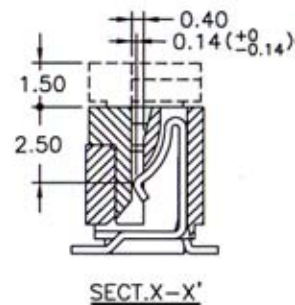
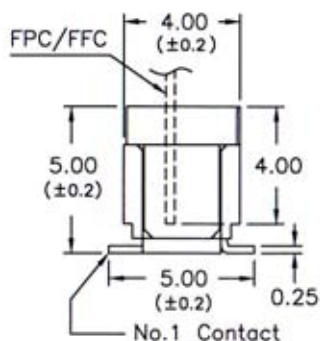
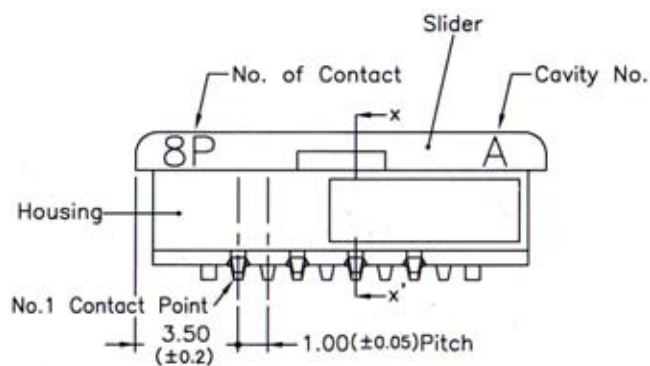
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

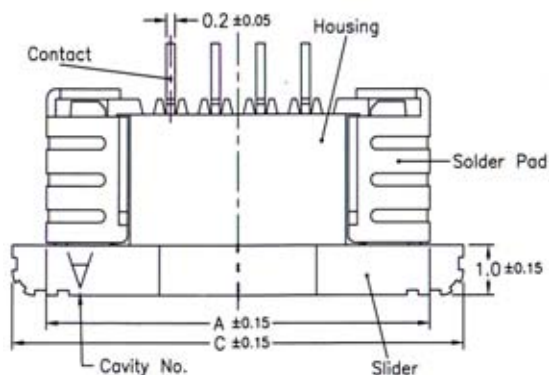


ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ T W - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BQ" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 ~ 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

1.00MM FFC/FPC ZIF CONNECTOR LOWER CONTACT RIGHT ANGLE SMT TYPE



DIMENSIONS:
 $B = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. B}) + 5.5$
 $C = (\text{DIM. B}) + 7.0$
 $D = (\text{DIM. B}) + 2.1$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

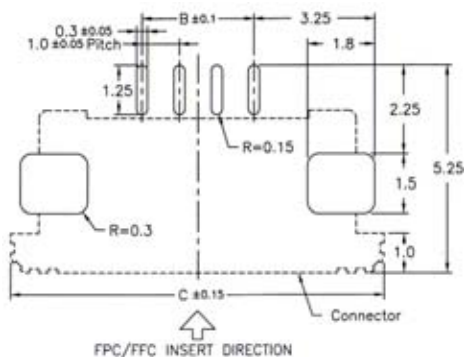
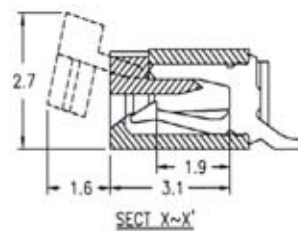
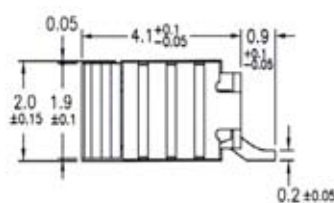
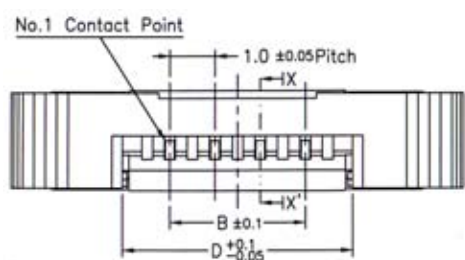
Operating Temperature: -55°C to +85°C

MATERIALS

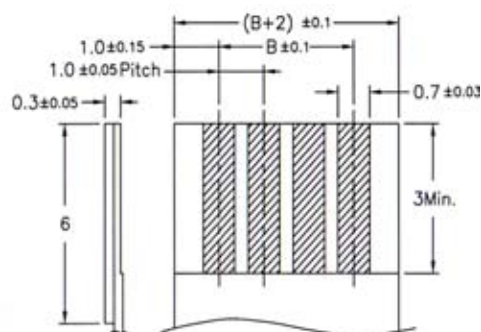
Insulator: Thermoplastic, UL94V-0
 PA46

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

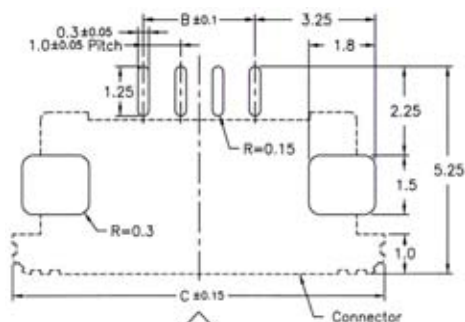
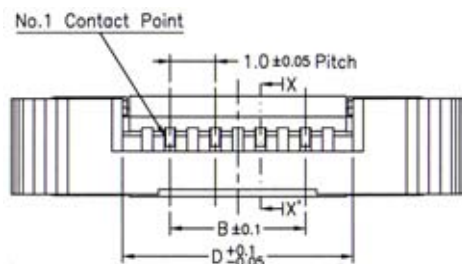
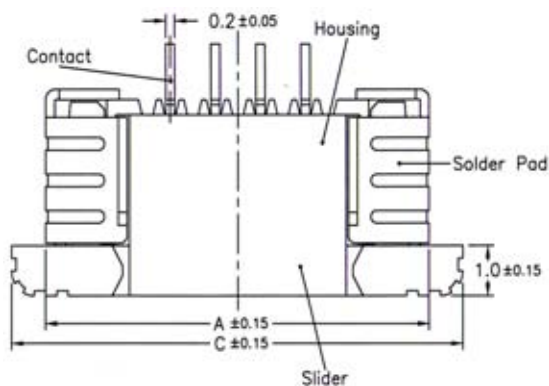


ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1} - \frac{x}{2}$ T W - $\frac{x}{3}$

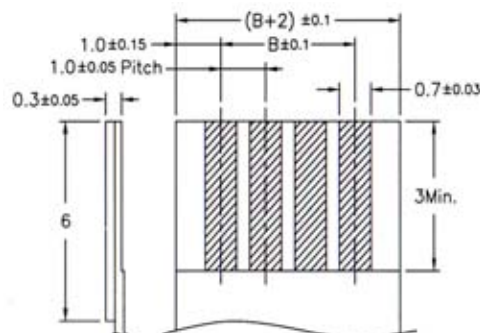
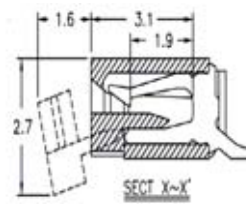
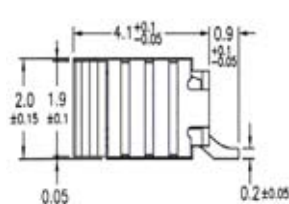
1. CONNECTOR TYPE:
"BL" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 ~ 024
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.00MM FFC/FPC ZIF CONNECTOR UPPER CONTACT RIGHT ANGLE SMT TYPE



FPC/FFC INSERT DIRECTION
Recommended P.C.Board Layout

DIMENSIONS:
 $B = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. } B) + 5.5$
 $C = (\text{DIM. } B) + 7.0$
 $D = (\text{DIM. } B) + 2.1$



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

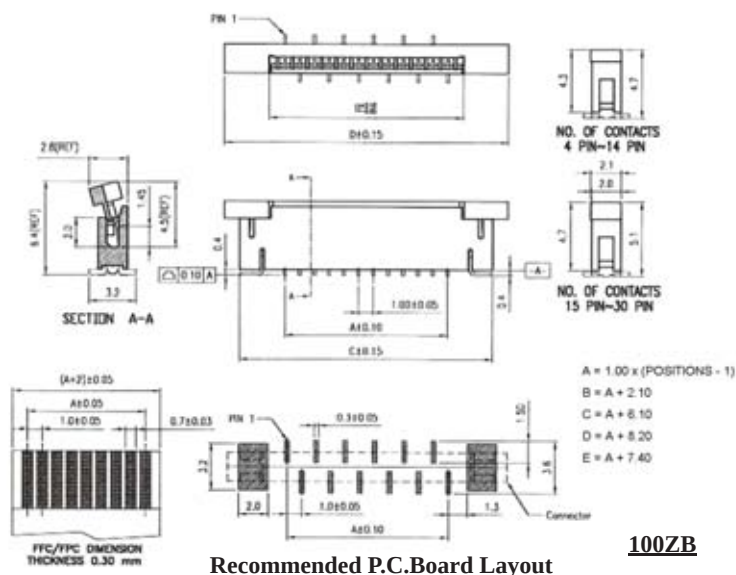
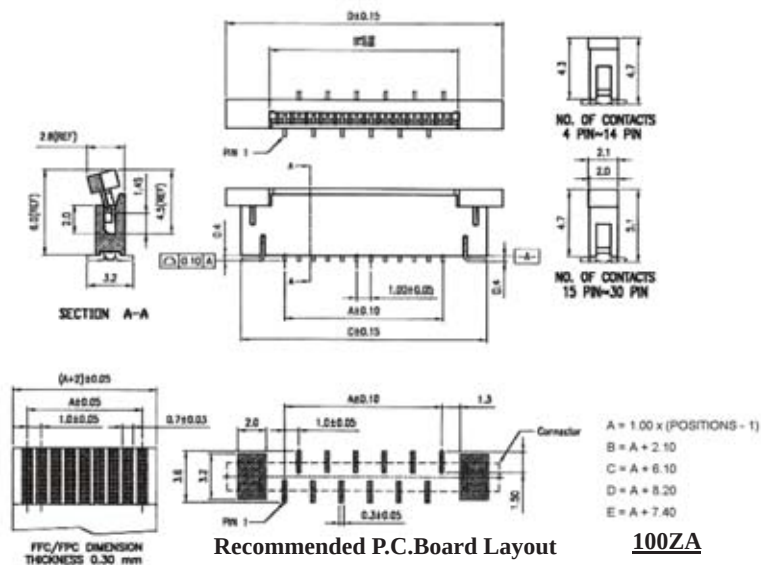
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ T W - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BN" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 ~ 024
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.00MM(0.039") FPC/FFC ZIF VERTICAL SINGLE CONTACT SMT TYPE



SPECIFICATIONS

Current Rating: 0.5 A

Voltage: 50V

Contact Resistance: 20mΩ Max.

Insulator Resistance: 50MΩ Min.

Withstanding Voltage: 250V AC

Operating Temperature: -20°C to +85°C

MATERIALS

Insulator: High-Temp

Contact: Phosphor Bronze

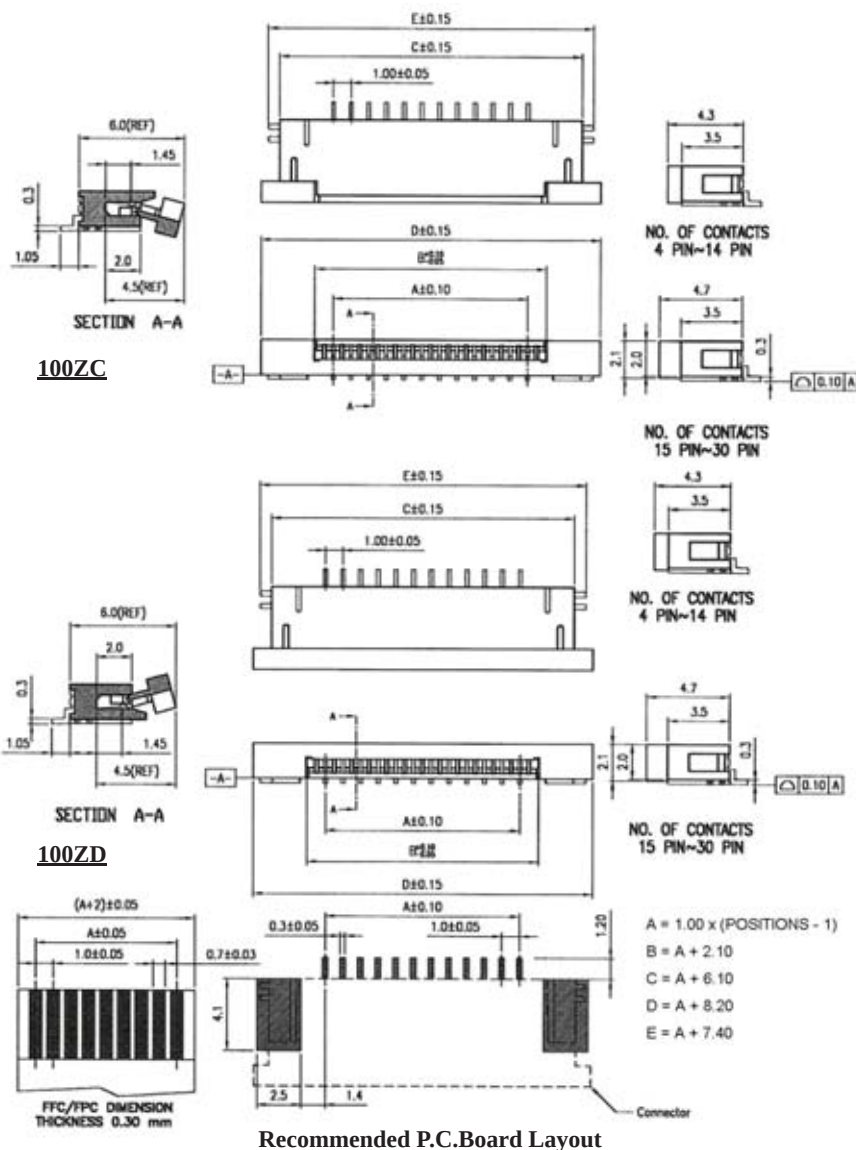
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{T}{3}$ W - $\frac{X}{4}$

1. PCB LAYOUT OPTION:
"ZA" STANDARD TYPE
"ZB" SPECIAL TYPE
2. NO. OF CONTACTS:
004 ~ 030
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

1.00MM(0.039") FPC/FFC ZIF RIGHT ANGLE SINGLE CONTACT SMT TYPE



SPECIFICATIONS

Current Rating: 0.5 A

Voltage: 50V

Contact Resistance: 20mΩ Max.

Insulator Resistance: 50MΩ Min.

Withstanding Voltage: 250V AC

Operating Temperature: -20°C to +85°C

MATERIALS

Insulator: High-Temp

Contact: Phosphor Bronze

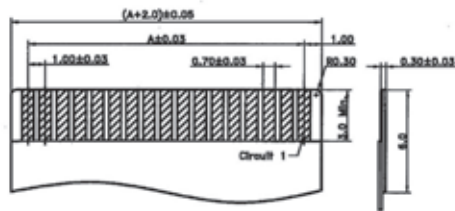
All materials must be RoHS compliant.

ORDERING INFORMATION:

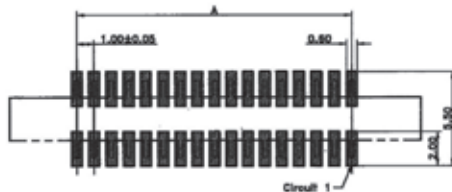
P/N 100 xx - xxx TW - x
1 2 3 4

1. CONTACT TYPE:
"ZC" UPPER CONTACT
"ZD" LOWER CONTACT
2. NO. OF CONTACTS:
004 ~ 030
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

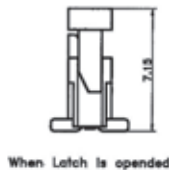
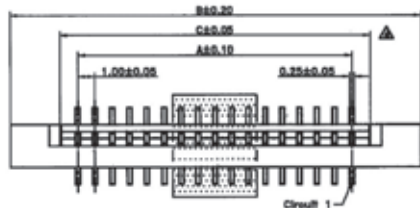
1.00MM FFC/FPC ZIF CONNECOTR TOP ENTRY SMT TYPE



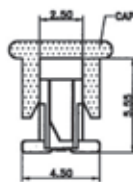
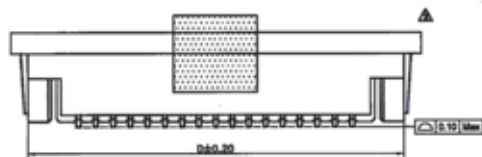
Applicable FFC Thickness 0.30mm



Recommended P.C.Board Layout



When Latch is opened



CAP DIMENSION

SPECIFICATIONS

Current Rating: 0.5A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 800mΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Contact: Phosphor Bronze, Tin Plated

Solder Nail: Phosphor Bronze, Tin Plated

Base: LCP, UL94V-0, Nature

Slider: LCP, UL94V-0, Black

All materials must be RoHS compliant.

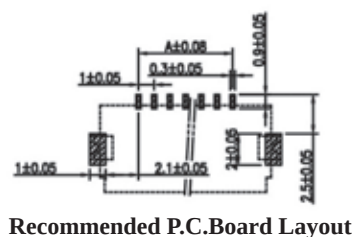
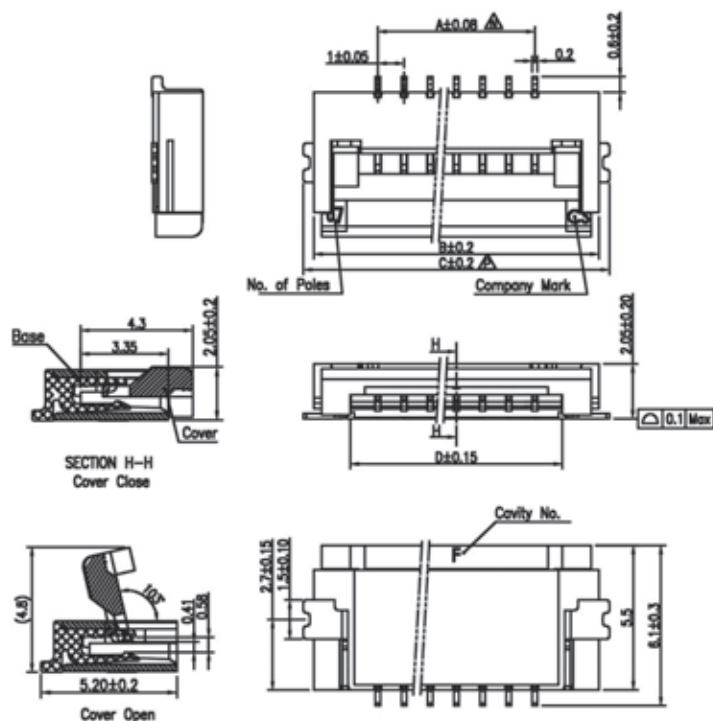
NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
04	3.00	11.00	5.10	9.05
05	4.00	12.00	6.10	10.05
06	5.00	13.00	7.10	11.05
07	6.00	14.00	8.10	12.05
08	7.00	15.00	9.10	13.05
09	8.00	16.00	10.10	14.05
10	9.00	17.00	11.10	15.05
11	10.00	18.00	12.10	16.05
12	11.00	19.00	13.10	17.05
13	12.00	20.00	14.10	18.05
14	13.00	21.00	15.10	19.05
15	14.00	22.00	16.10	20.05
16	15.00	23.00	17.10	21.05
17	16.00	24.00	18.10	22.05
18	17.00	25.00	19.10	23.05
19	18.00	26.00	20.10	24.05
20	19.00	27.00	21.10	25.05
21	20.00	28.00	22.10	26.05
22	21.00	29.00	23.10	27.05
23	22.00	30.00	24.10	28.05
24	23.00	31.00	25.10	29.05
25	24.00	32.00	26.10	30.05
26	25.00	33.00	27.10	31.05
27	26.00	34.00	28.10	32.05
28	27.00	35.00	29.10	33.05
29	28.00	36.00	30.10	34.05
30	29.00	37.00	31.10	35.05

ORDERING INFORMATION:

P/N 100 ZE - xxx TW - x
1 2 3

1. CONNECTOR TYPE:
"ZE" TOP ENTRY SMT TYPE
2. NO. OF CONTACTS:
004 ~ 030
3. PACKAGE TYPE:
"R" W/O PAD IN TAPE & REEL
"Q" WITH PAD IN TAPE & REEL

1.00MM FFC/FPC ZIF CONNECOTR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Voltage Rating: 50V AC/DC

Current Rating: 0.5A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -40°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Base: High Temp. Thermoplastic, UL94V-0, Natural

Cover: High Temp. Thermoplastic, UL94V-0, Black

Contact: Copper Alloy, Tin Plated/Matte Sn

Ear: Copper Alloy, Tin Plated/Matte Sn

All materials must be RoHS compliant.

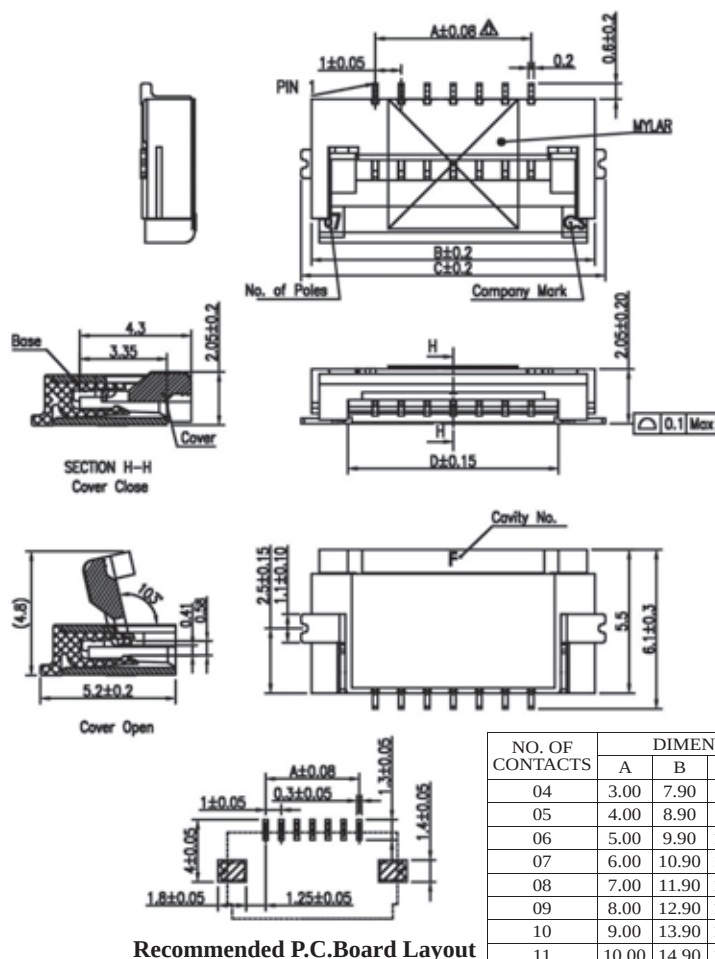
NO. OF CONTACTS	DIMENSIONS(MM)					NO. OF CONTACTS	DIMENSIONS(MM)				
	A	B	C	D	E		A	B	C	D	E
04	3.00	7.90	8.70	5.10	5.00	18	17.00	21.90	22.70	19.10	19.00
05	4.00	8.90	9.70	6.10	6.00	19	18.00	22.90	23.70	20.10	20.00
06	5.00	9.90	10.70	7.10	7.00	20	19.00	23.90	24.70	21.10	21.00
07	6.00	10.90	11.70	8.10	8.00	21	20.00	24.90	25.70	22.10	22.00
08	7.00	11.90	12.70	9.10	9.00	22	21.00	25.90	26.70	23.10	23.00
09	8.00	12.90	13.70	10.10	10.00	23	22.00	26.90	27.70	24.10	24.00
10	9.00	13.90	14.70	11.10	11.00	24	23.00	27.90	28.70	25.10	25.00
11	10.00	14.90	15.70	12.10	12.00	25	24.00	28.90	29.70	26.10	26.00
12	11.00	15.90	16.70	13.10	13.00	26	25.00	29.90	30.70	27.10	27.00
13	12.00	16.90	17.70	14.10	14.00	27	26.00	30.90	31.70	28.10	28.00
14	13.00	17.90	18.70	15.10	15.00	28	27.00	31.90	32.70	29.10	29.00
15	14.00	18.90	19.70	16.10	16.00	29	28.00	32.90	33.70	30.10	30.00
16	15.00	19.90	20.70	17.10	17.00	30	29.00	33.90	34.70	31.10	31.00
17	16.00	20.90	21.70	18.10	18.00						

ORDERING INFORMATION:

P/N 1 0 0 ZJ - xx x T W - R
1 2 3

- CONNECTOR TYPE:
"ZJ" RIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
004 ~ 030
- PACKAGE TYPE:
"R" TAPE & REEL

1.00MM FFC/FPC ZIF CONNECOTR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Voltage Rating: 50V AC/DC

Current Rating: 0.5A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -40°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

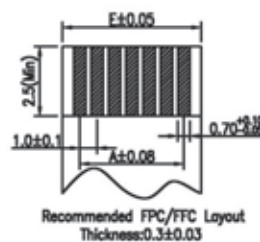
Base: High Temp. Thermoplastic, UL94V-0, Natural

Cover: High Temp. Thermoplastic, UL94V-0, Black

Contact: Copper Alloy, Tin Plated/Matte Sn

Ear: Copper Alloy, Tin Plated/Matte Sn

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)					NO. OF CONTACTS	DIMENSIONS(MM)				
	A	B	C	D	E		A	B	C	D	E
04	3.00	7.90	8.70	5.10	5.00	18	17.00	21.90	22.70	19.10	19.00
05	4.00	8.90	9.70	6.10	6.00	19	18.00	22.90	23.70	20.10	20.00
06	5.00	9.90	10.70	7.10	7.00	20	19.00	23.90	24.70	21.10	21.00
07	6.00	10.90	11.70	8.10	8.00	21	20.00	24.90	25.70	22.10	22.00
08	7.00	11.90	12.70	9.10	9.00	22	21.00	25.90	26.70	23.10	23.00
09	8.00	12.90	13.70	10.10	10.00	23	22.00	26.90	27.70	24.10	24.00
10	9.00	13.90	14.70	11.10	11.00	24	23.00	27.90	28.70	25.10	25.00
11	10.00	14.90	15.70	12.10	12.00	25	24.00	28.90	29.70	26.10	26.00
12	11.00	15.90	16.70	13.10	13.00	26	25.00	29.90	30.70	27.10	27.00
13	12.00	16.90	17.70	14.10	14.00	27	26.00	30.90	31.70	28.10	28.00
14	13.00	17.90	18.70	15.10	15.00	28	27.00	31.90	32.70	29.10	29.00
15	14.00	18.90	19.70	16.10	16.00	29	28.00	32.90	33.70	30.10	30.00
16	15.00	19.90	20.70	17.10	17.00	30	29.00	33.90	34.70	31.10	31.00
17	16.00	20.90	21.70	18.10	18.00						

ORDERING INFORMATION:

P/N 1 0 0 Z K - x x x T W - x

- CONNECTOR TYPE:
"ZK" RIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
004 ~ 030
- PACKAGE TYPE:
"R" WITHOUT MYLAR IN TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

1.00MM FFC/FPC ZIF CONNECOTR STRAIGHT SMT TYPE

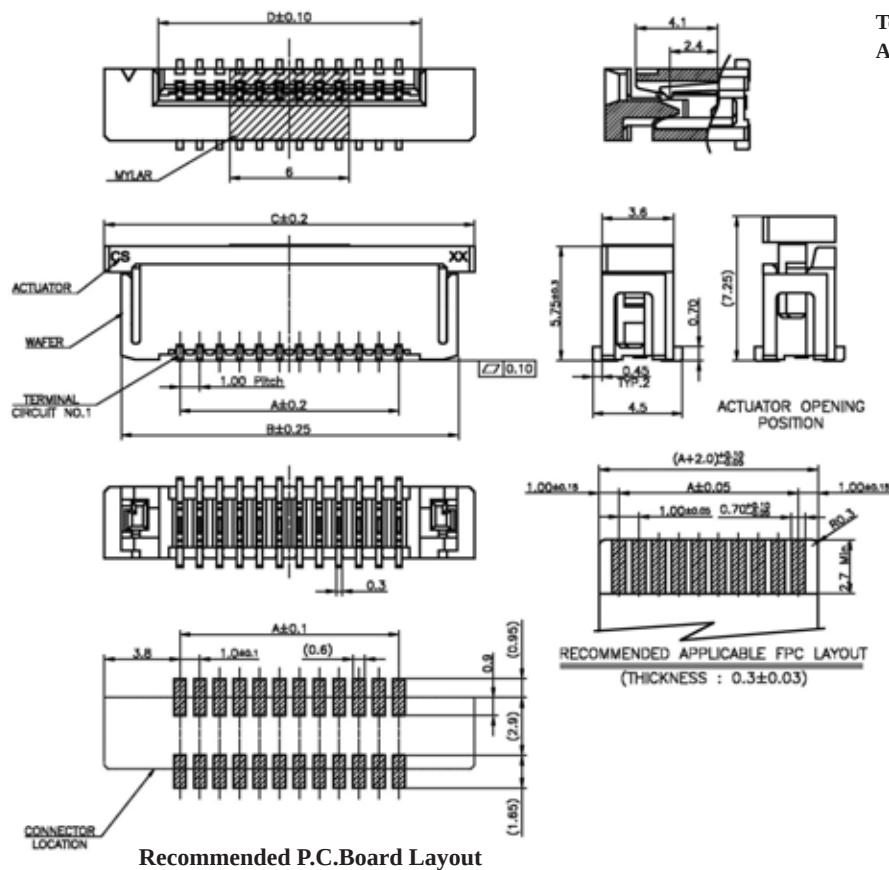
MATERIAL

Housing: High Temp. Thermoplastic, UL94V-0

Actuator: High Temp. Thermoplastic, UL94V-0

Terminal: Phos. Bronze

All materials must be RoHS compliant.



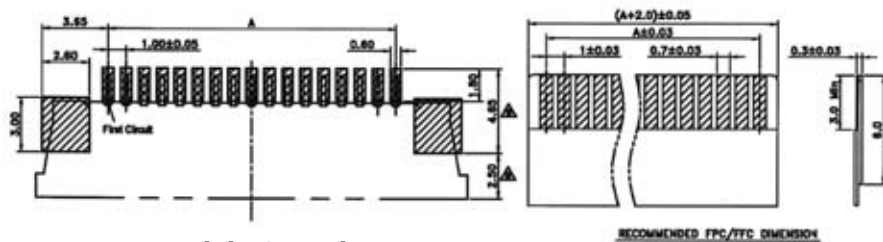
NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
06	5.00	10.90	12.60	7.20
07	6.00	11.90	13.60	8.20
08	7.00	12.90	14.60	9.20
09	8.00	13.90	15.60	10.20
10	9.00	14.90	16.60	11.20
11	10.00	15.90	17.60	12.20
12	11.00	16.90	18.60	13.20
13	12.00	17.90	19.60	14.20
14	13.00	18.90	20.60	15.20
15	14.00	19.90	21.60	16.20
16	15.00	20.90	22.60	17.20
17	16.00	21.90	23.60	18.20
18	17.00	22.90	24.60	19.20
19	18.00	23.90	25.60	20.20
20	19.00	24.90	26.60	21.20
21	20.00	25.90	27.60	22.20
22	21.00	26.90	28.60	23.20
23	22.00	27.90	29.60	24.20
24	23.00	28.90	30.60	25.20
25	24.00	29.90	31.60	26.20
26	25.00	30.90	32.60	27.20
27	26.00	31.90	33.60	28.20
28	27.00	32.90	34.60	29.20
29	28.00	33.90	35.60	30.20
30	29.00	34.90	36.60	31.20

ORDERING INFORMATION:

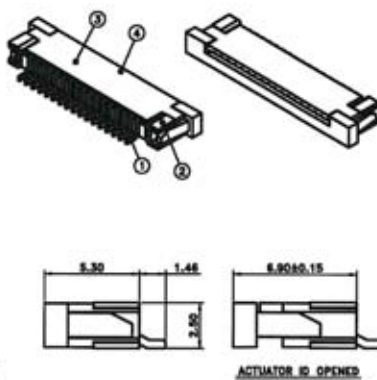
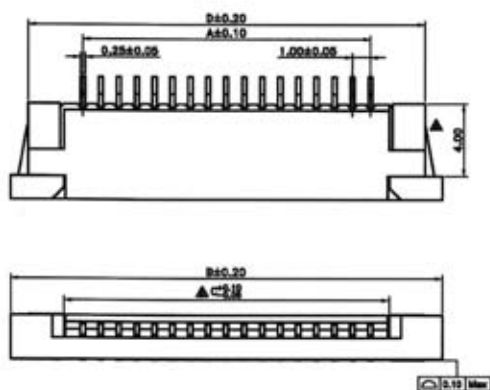
P/N 1 0 0 ZH - xxx T W - x
1 2 3

- CONNECTOR TYPE:
"ZH" STRAIGHT SMT TYPE
- NO. OF CONTACTS:
006 ~ 030
- PACKAGE TYPE:
"R" WITHOUT MYLAR IN TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

1.00MM FFC/FPC ZIF CONNECOTR SIDE ENTRY SMT TYPE WITH UPPER CONTACTS



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 800mΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Contact: Phosphor Bronze, Tin Plated

Solder Nail: Phosphor Bronze, Tin Plated

Base: LCP, UL94V-0, Nature

Slider: LCP, UL94V-0, Black

All materials must be RoHS compliant.

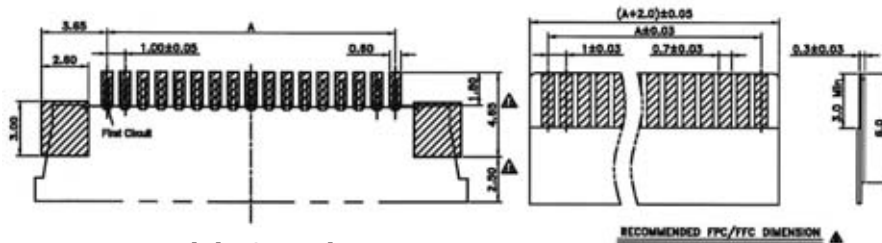
NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
04	3.00	11.00	5.10	9.05
05	4.00	12.00	6.10	10.05
06	5.00	13.00	7.10	11.05
07	6.00	14.00	8.10	12.05
08	7.00	15.00	9.10	13.05
09	8.00	16.00	10.10	14.05
10	9.00	17.00	11.10	15.05
11	10.00	18.00	12.10	16.05
12	11.00	19.00	13.10	17.05
13	12.00	20.00	14.10	18.05
14	13.00	21.00	15.10	19.05
15	14.00	22.00	16.10	20.05
16	15.00	23.00	17.10	21.05
17	16.00	24.00	18.10	22.05
18	17.00	25.00	19.10	23.05
19	18.00	26.00	20.10	24.05
20	19.00	27.00	21.10	25.05
21	20.00	28.00	22.10	26.05
22	21.00	29.00	23.10	27.05
23	22.00	30.00	24.10	28.05
24	23.00	31.00	25.10	29.05
25	24.00	32.00	26.10	30.05
26	25.00	33.00	27.10	31.05
27	26.00	34.00	28.10	32.05
28	27.00	35.00	29.10	33.05
29	28.00	36.00	30.10	34.05
30	29.00	37.00	31.10	35.05

ORDERING INFORMATION:

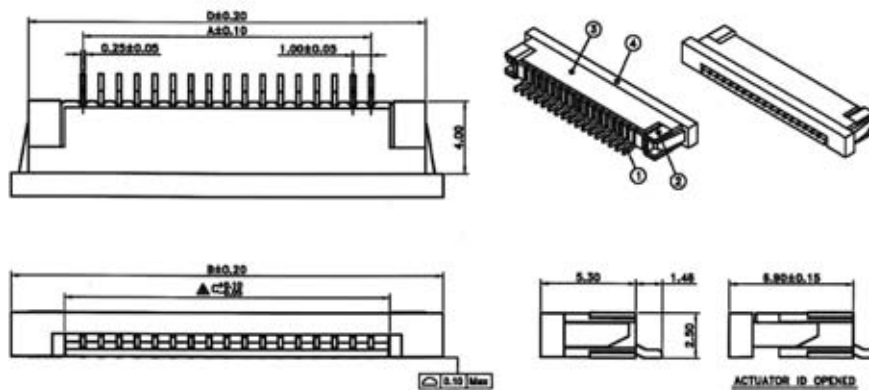
P/N 1 0 0 ZF - x x x T W - R
1 2 3

- CONNECTOR TYPE:
"ZF" RIGHT ANGLE SMT TYPE
WITH UPPER CONTACTS
- NO. OF CONTACTS:
004 ~ 030
- PACKAGE TYPE:
"R" TAPE & REEL

1.00MM FFC/FPC ZIF CONNECOTR SIDE ENTRY TYPE WITH LOWER CONTACTS



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 800mΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Contact: Phos. Bronze

Solder Nail: Brass

Base: LCP, UL94V-0, Nature

Slider: LCP, UL94V-0, Black

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
04	3.00	11.00	5.10	9.05
05	4.00	12.00	6.10	10.05
06	5.00	13.00	7.10	11.05
07	6.00	14.00	8.10	12.05
08	7.00	15.00	9.10	13.05
09	8.00	16.00	10.10	14.05
10	9.00	17.00	11.10	15.05
11	10.00	18.00	12.10	16.05
12	11.00	19.00	13.10	17.05
13	12.00	20.00	14.10	18.05
14	13.00	21.00	15.10	19.05
15	14.00	22.00	16.10	20.05
16	15.00	23.00	17.10	21.05
17	16.00	24.00	18.10	22.05
18	17.00	25.00	19.10	23.05
19	18.00	26.00	20.10	24.05
20	19.00	27.00	21.10	25.05
21	20.00	28.00	22.10	26.05
22	21.00	29.00	23.10	27.05
23	22.00	30.00	24.10	28.05
24	23.00	31.00	25.10	29.05
25	24.00	32.00	26.10	30.05
26	25.00	33.00	27.10	31.05
27	26.00	34.00	28.10	32.05
28	27.00	35.00	29.10	33.05
29	28.00	36.00	30.10	34.05
30	29.00	37.00	31.10	35.05

ORDERING INFORMATION:

P/N 1 0 0 ZG - xxx TW - R
1 2 3

- CONNECTOR TYPE:
"ZG" RIGHT ANGLE SMT TYPE
WITH LOWER CONTACTS
- NO. OF CONTACTS:
004 ~ 030
- PACKAGE TYPE:
"R" TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR PIANO TYPE H=1.50MM

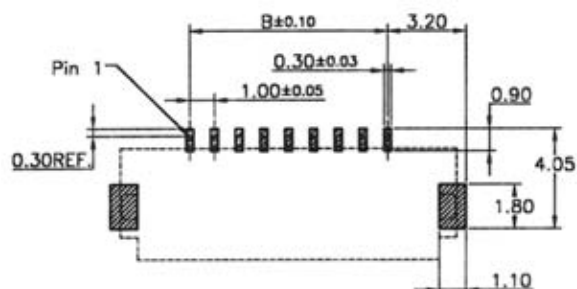
MATERIALS

Housing: High Temp. Plastic
UL94V-0, Nature

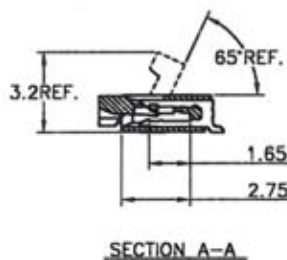
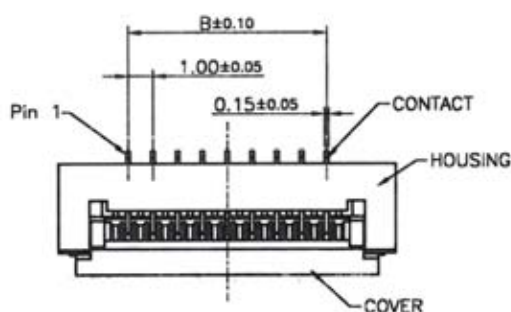
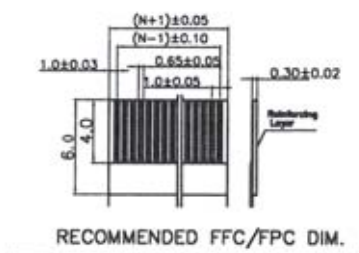
Cover: High Temp. Plastic
UL94V-0, Black

Contact: Copper Alloy

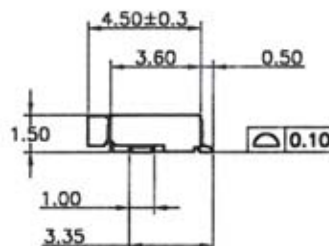
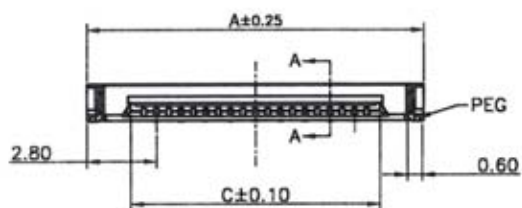
All materials must be RoHS compliant.



Recommended P.C.Board Layout



NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
04	8.60	3.00	5.07
05	9.60	4.00	6.07
06	10.60	5.00	7.07
07	11.60	6.00	8.07
08	12.60	7.00	9.07
09	13.60	8.00	10.07
10	14.60	9.00	11.07
11	15.60	10.00	12.07
12	16.60	11.00	13.07

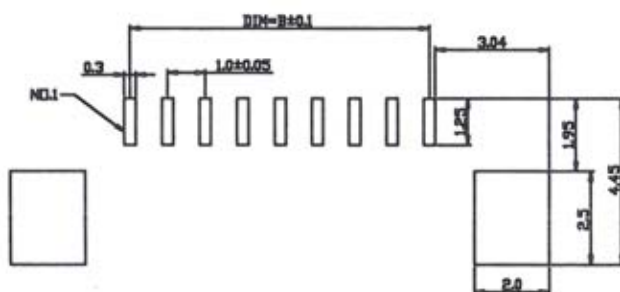
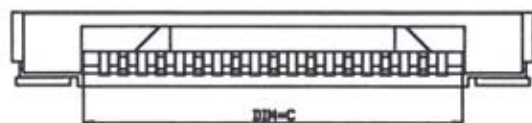
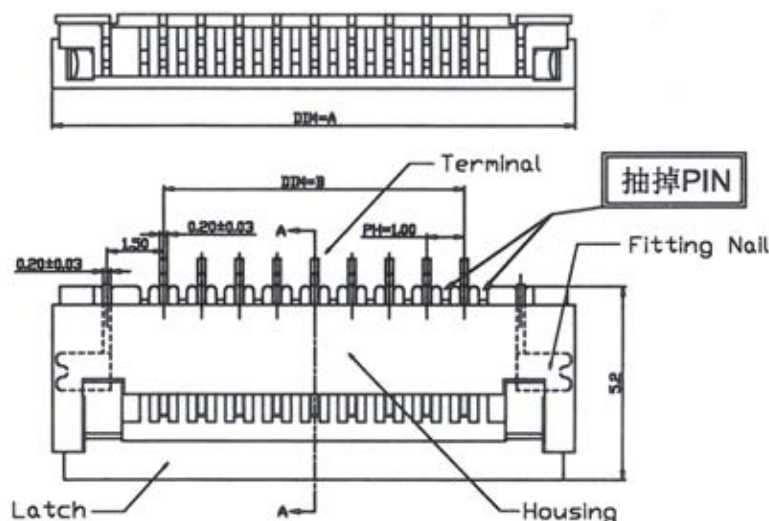


ORDERING INFORMATION:

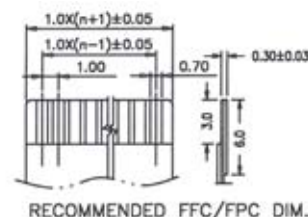
P/N 1 0 0 ZL - x x x T W - R
1 2 3 4

- CONNECTOR TYPE:
"ZL" H=1.50MM PIANO TYPE
- NO. OF CONTACTS:
004 ~ 012
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
"R" TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR PIANO TYPE H=2.00MM



Recommended P.C.Board Layout



SECTION A-A



A = NO. OF CONTACTS + 4.90

B = NO. OF CONTACTS - 1.00

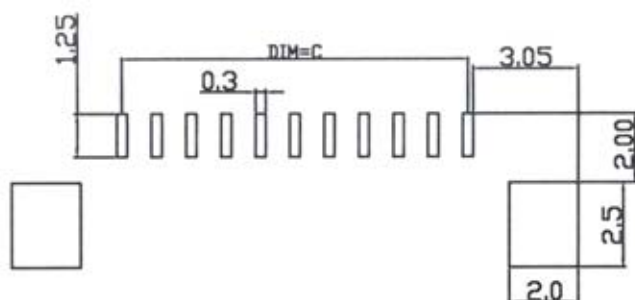
C = NO. OF CONTACTS + 1.10

ORDERING INFORMATION:

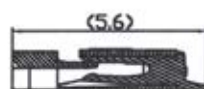
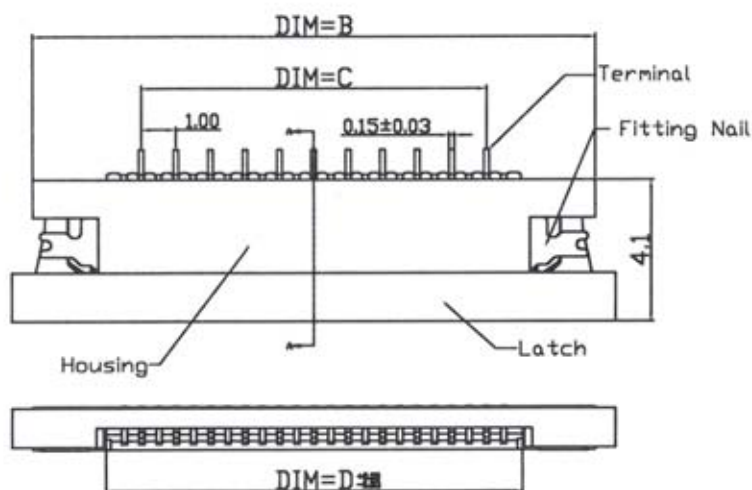
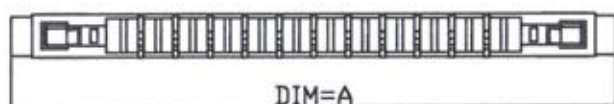
P/N 1 0 0 Z M - x x x T W - x
1 2 3 4

- CONNECTOR TYPE:
"ZM" H=2.00MM PIANO TYPE
- NO. OF CONTACTS:
004 ~ 030
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR RIGHT ANGLE SMT TYPE H=1.20MM



Recommended P.C.Board Layout



SECTION A-A

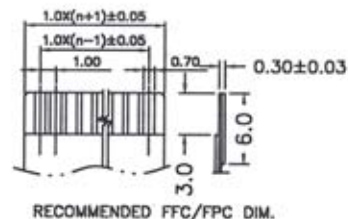
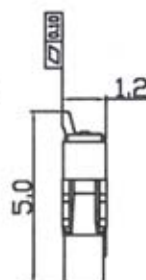
100ZP



SECTION A-A

100ZN

- A = NO. OF CONTACTS + 6.50
- B = NO. OF CONTACTS + 5.30
- C = NO. OF CONTACTS - 1.00
- D = NO. OF CONTACTS + 1.10

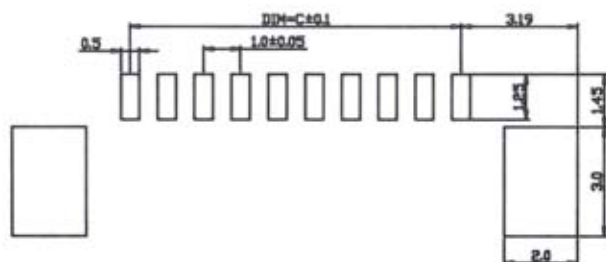


ORDERING INFORMATION:

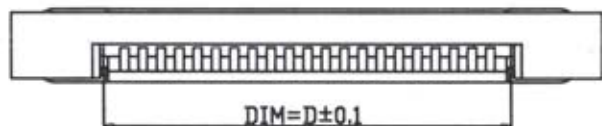
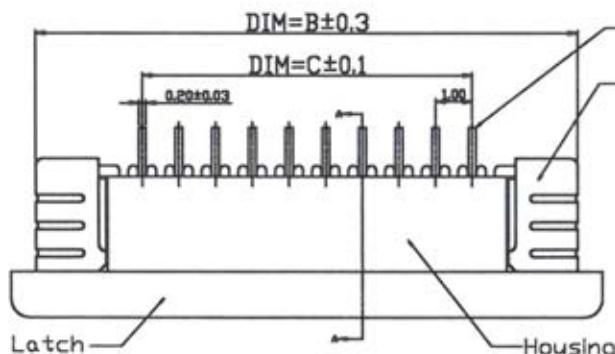
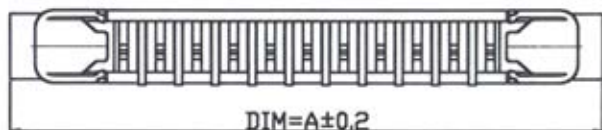
P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{T}{3}$ W - $\frac{x}{4}$

1. CONNECTOR TYPE:
"ZN" H=1.20MM UPPER CONTACT TYPE
"ZP" H=1.20MM LOWER CONTACT TYPE
2. NO. OF CONTACTS:
004 ~ 012
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR RIGHT ANGLE SMT TYPE H=2.00MM



Recommended P.C.Board Layout



MATERIALS

Housing: Thermoplastic High Temp.

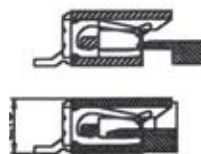
UL94V-0, Nature

Latch: Thermoplastic High Temp.

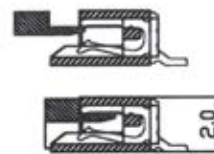
UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



100ZO



100ZR

A = NO. OF CONTACTS + 6.10

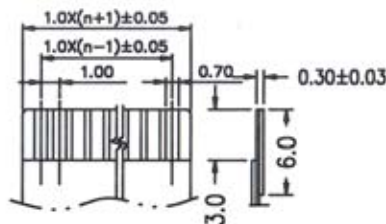
B = NO. OF CONTACTS + 5.00

C = NO. OF CONTACTS - 1.00

D = NO. OF CONTACTS + 1.10

E = 5.25 (3 ~ 16P)

E = 5.75 (17 ~ 28P)



RECOMMENDED FFC/FPC DIM.

ORDERING INFORMATION:

P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{T}{3}$ W - $\frac{x}{4}$

1. CONNECTOR TYPE:

"ZQ" H=2.00MM UPPER CONTACT TYPE

"ZR" H=2.00MM LOWER CONTACT TYPE

2. NO. OF CONTACTS:

003 ~ 028

3. CONTACT FINISH:

"G" FULL GOLD PLATED

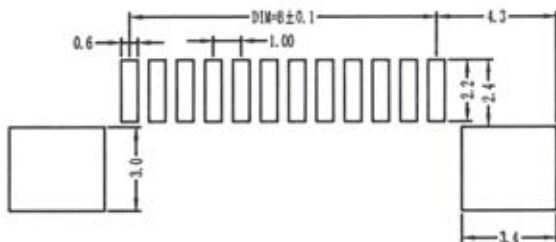
"T" FULL TIN PLATED

4. PACKAGE OPTION:

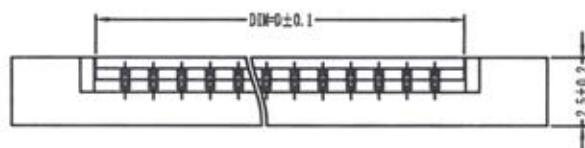
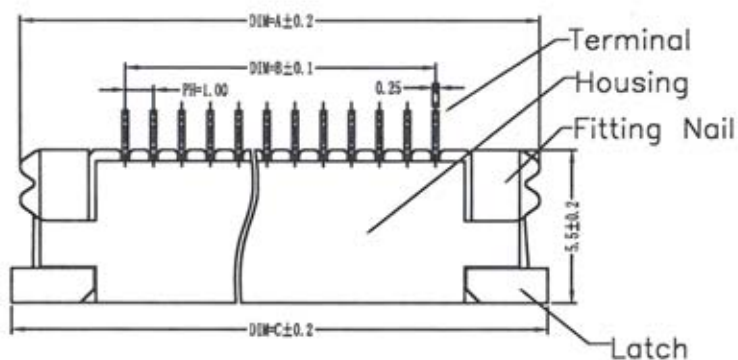
"T" TUBE

"R" TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR RIGHT ANGLE SMT TYPE H=2.50MM



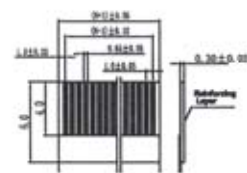
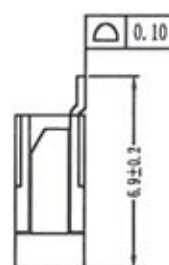
Recommended P.C.Board Layout



100ZS



100ZT



RECOMMENDED FFC/FPC DIM.

$$A = \text{NO. OF CONTACTS} + 6.50$$

B = NO. OF CONTACTS - 1.00

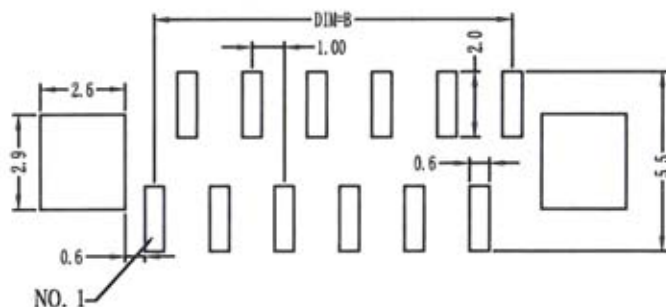
$$C = \text{NO. OF CONTACTS} + 7.00$$
$$D = \text{NO. OF CONTACTS} + 1,10$$

ORDERING INFORMATION:

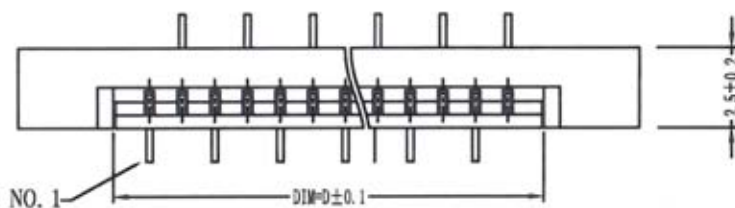
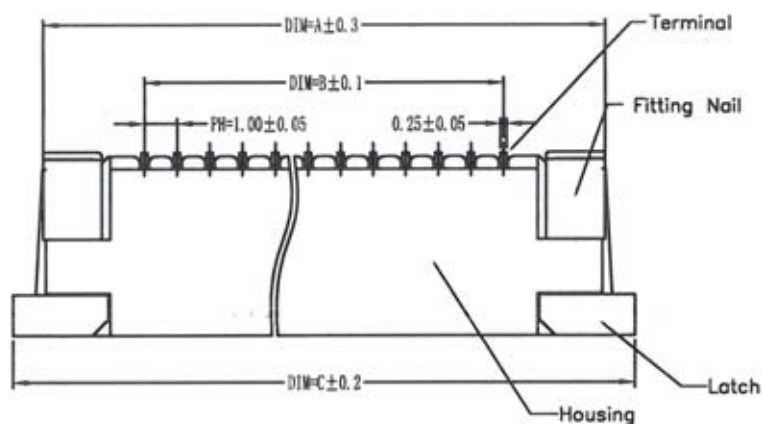
P/N 100 xx - xxx TW - x

1. CONNECTOR TYPE:
"ZS" H=2.50MM UPPER CONTACT TYPE
"ZT" H=2.50MM LOWER CONTACT TYPE
2. NO. OF CONTACTS:
004 ~ 040
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR STANDARD CONTACT VERTICAL SMT TYPE H=2.00MM



Recommended P.C.Board Layout



MATERIALS

Housing: Thermoplastic High Temp.

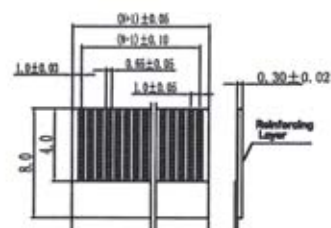
UL94V-0, Nature

Latch: Thermoplastic High Temp.

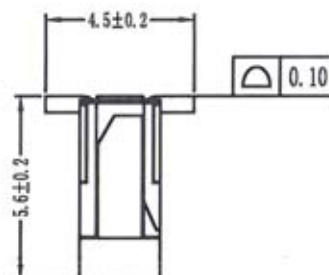
UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



RECOMMENDED FFC/FPC DIM.



A = NO. OF CONTACTS + 5.20

B = NO. OF CONTACTS - 1.00

C = NO. OF CONTACTS + 7.00

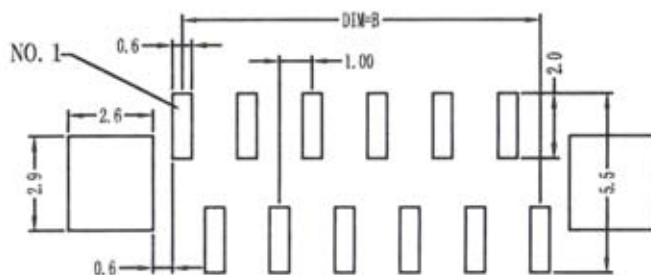
D = NO. OF CONTACTS + 1.10

ORDERING INFORMATION:

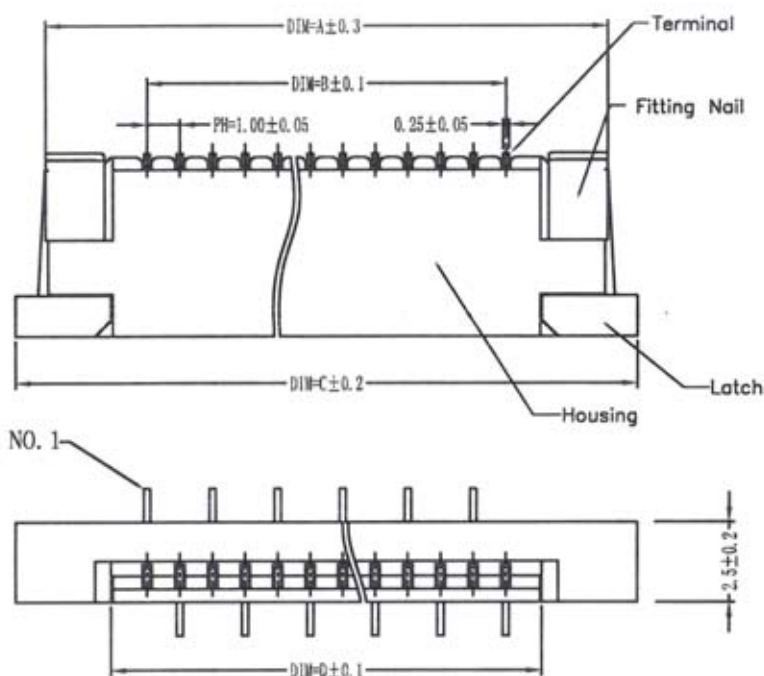
P/N 1 0 0 Z U - x x x T W - x
1 2 3 4

- CONNECTOR TYPE:
"ZU" POSITIVE (STANDARD) TYPE
- NO. OF CONTACTS:
004 ~ 040
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR SPECIAL CONTACT VERTICAL SMT TYPE



Recommended P.C.Board Layout



MATERIALS

Housing: Thermoplastic High Temp.

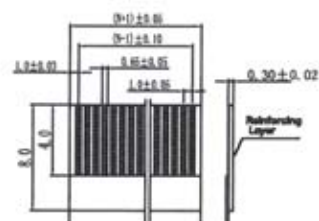
UL94V-0, Nature

Latch: Thermoplastic High Temp.

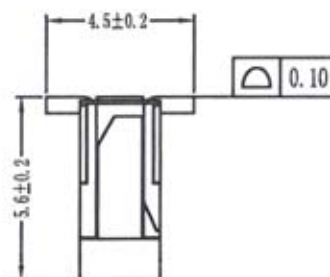
UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



RECOMMENDED FFC/FPC DIM.



A = NO. OF CONTACTS + 5.20

B = NO. OF CONTACTS - 1.00

C = NO. OF CONTACTS + 7.00

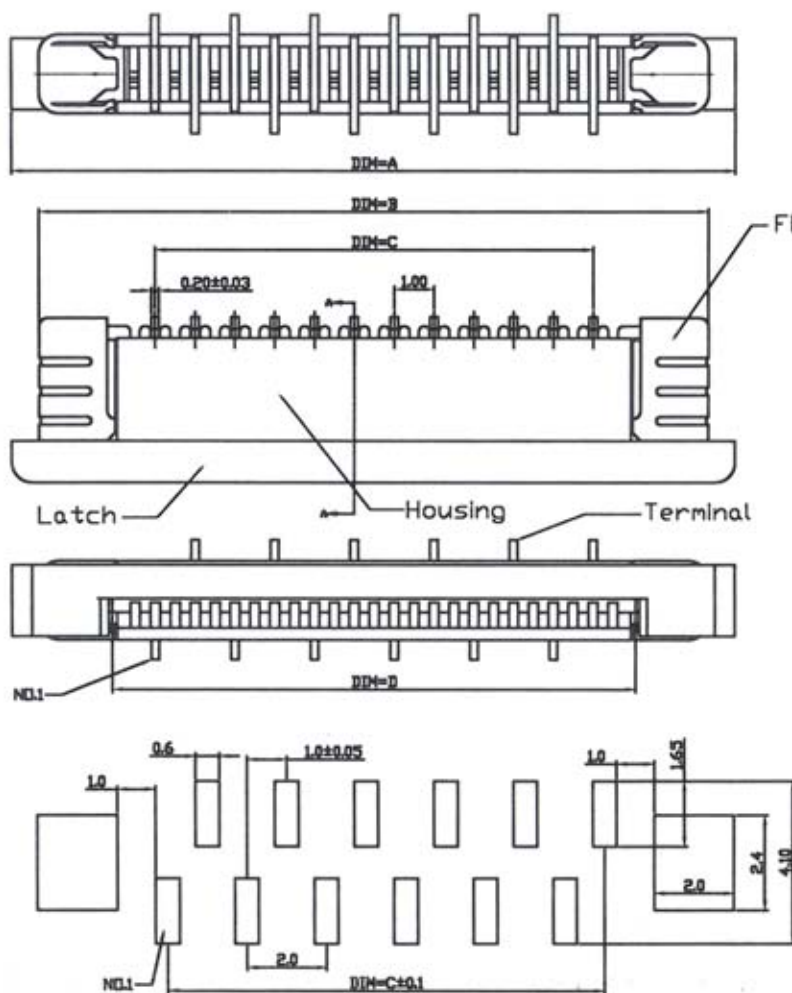
D = NO. OF CONTACTS + 1.10

ORDERING INFORMATION:

P/N 1 0 0 ZV - x x x T W - x
1 2 3 4

- CONTACT TYPE:
"ZV" NEGATIVE (SPECIAL) TYPE
- NO. OF CONTACTS:
004 ~ 040
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR STANDARD CONTACT VERTICAL SMT TYPE



Recommended P.C.Board Layout

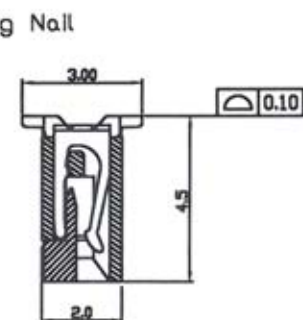
MATERIALS

Housing: Thermoplastic High Temp.
UL94V-0, Nature

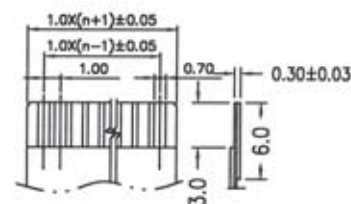
Latch: Thermoplastic High Temp.
UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.



SECTION A-A



RECOMMENDED FFC/FPC DIM.

A = NO. OF CONTACTS + 6.10

B = NO. OF CONTACTS + 5.00

C = NO. OF CONTACTS - 1.00

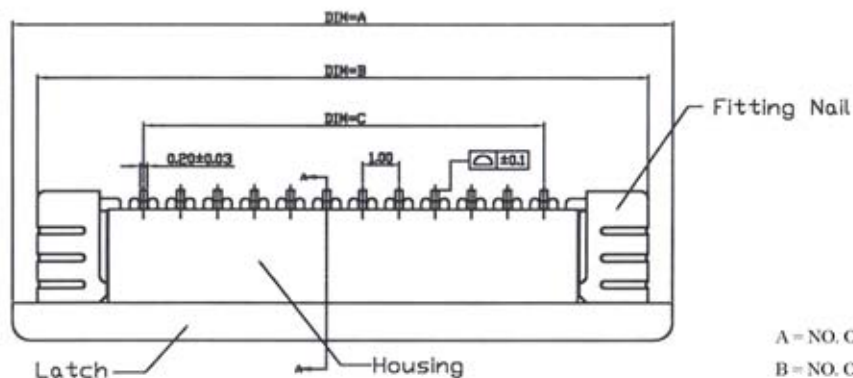
D = NO. OF CONTACTS + 1.10

ORDERING INFORMATION:

P/N 1 0 0 Z W - x x x T W - x
1 2 3 4

- CONTACT TYPE:
"ZW" POSITIVE (STANDARD) TYPE
- NO. OF CONTACTS:
004 ~ 016
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

1.00MM (0.039") FFC/FPC ZIF CONNECTOR SPECIAL CONTACT



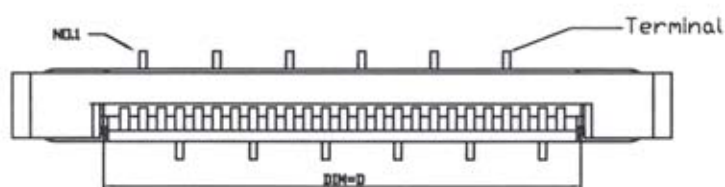
MATERIALS

Housing: Thermoplastic High Temp.
UL94V-0, Nature

Latch: Thermoplastic High Temp.
UL94V-0, Black

Terminal: Copper Alloy

All materials must be RoHS compliant.

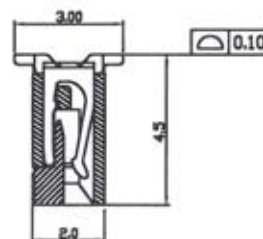


A = NO. OF CONTACTS + 6.10

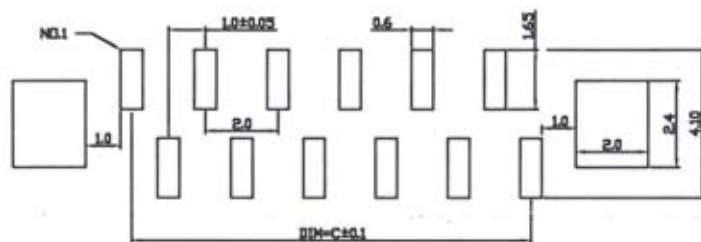
B = NO. OF CONTACTS + 5.00

C = NO. OF CONTACTS - 1.00

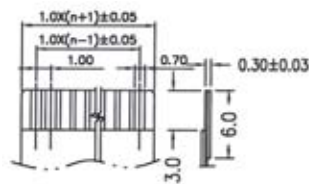
D = NO. OF CONTACTS + 1.10



SECTION A-A



Recommended P.C.Board Layout



RECOMMENDED FFC/FPC DIM.

ORDERING INFORMATION:

P/N 1 0 0 Z X - x x x T W - x
1 2 3 4

1. CONTACT TYPE:
"ZX" NEGATIVE (SPECIAL) TYPE
2. NO. OF CONTACTS:
004 ~ 016
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

Technical drawing of a cable fitting assembly, showing side and top views with dimensions.

Side View Dimensions:

- Overall length: $DIM=A \pm 0.3$
- Distance from left end to first fitting nail: $DIM=B \pm 0.1$
- Distance between fitting nails: $PH=1.00 \pm 0.05$
- Distance from last fitting nail to right end: 0.25 ± 0.05
- Distance from left end to right end: $DIM=C \pm 0.2$

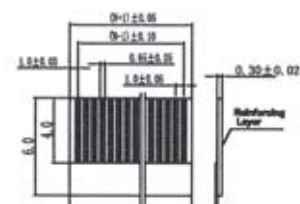
Top View Dimensions:

- Overall width: 2.5 ± 0.2
- Distance between fitting nails: $DIM=D \pm 0.1$

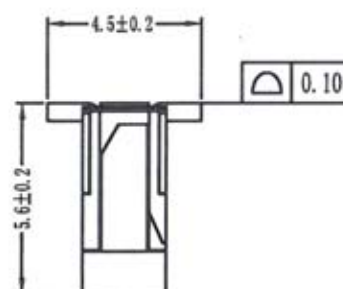
Labels:

- Terminal
- Fitting Nail
- Latch
- Housing
- NO. 1

All materials must be RoHS compliant.



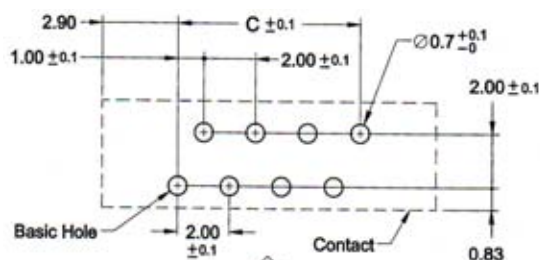
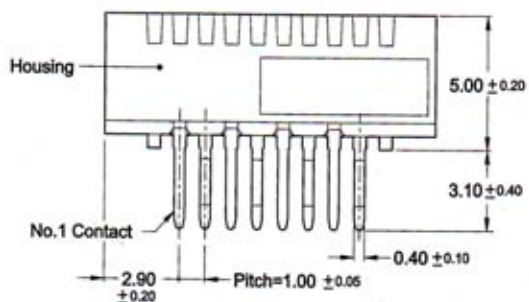
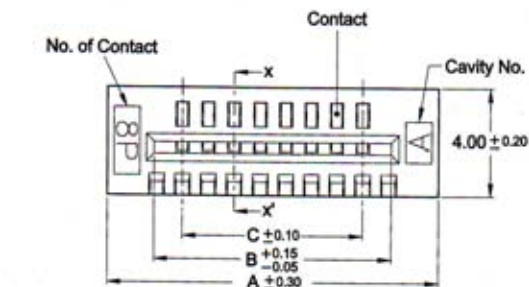
RECOMMENDED FFC/FPC DIM.


$$D = \text{NO. OF CONTACTS} + 1.10$$

P/N 100 ZY - xxx TW - x
1 2 3 4

1. CONNECTOR TYPE:
"ZY" H=2.50MM VERTICAL SMT TYPE
2. NO. OF CONTACTS:
004 ~ 040
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" TUBE
"R" TAPE & REEL
"G" WITH MYLAR IN TAPE & REEL

1.00MM FFC/FPC NON-ZIF CONNECTOR TOP ENTRY DIP TYPE



FPC/FFC INSERT DIRECTION
Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

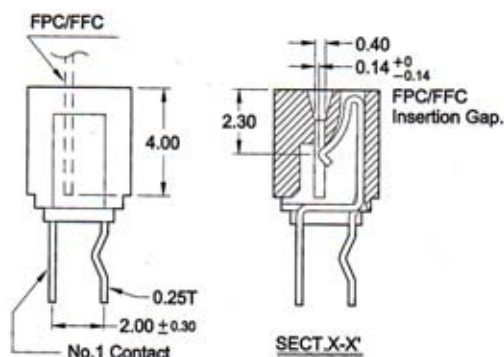
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



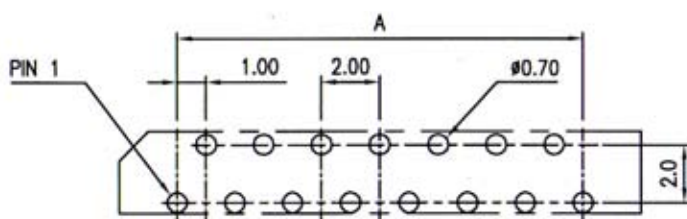
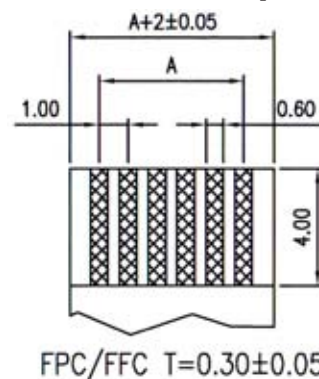
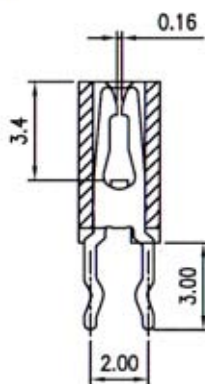
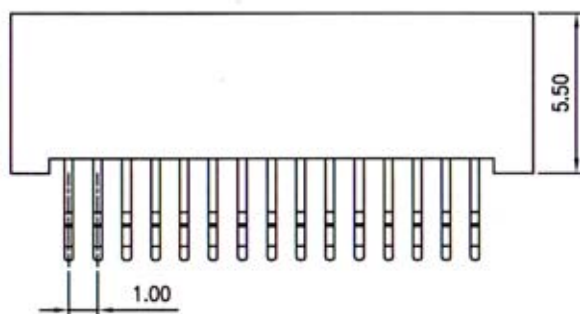
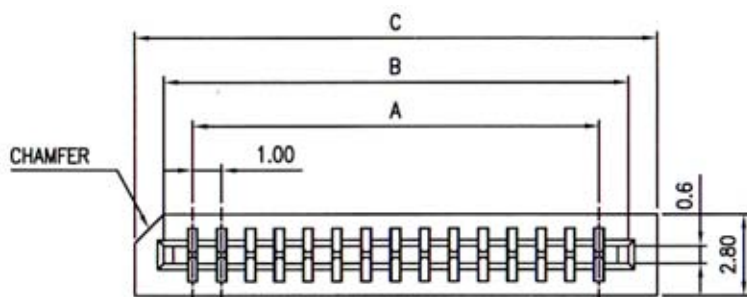
No. of Contacts	Dimensions(mm)			No. of Contacts	Dimensions(mm)		
	A	B	C		A	B	C
04	8.80	5.20	3.00	19	23.80	20.20	18.00
05	9.80	6.50	4.00	20	24.80	21.20	19.00
06	10.80	7.20	5.00	21	25.80	22.20	20.00
07	11.80	8.20	6.00	22	26.80	23.20	21.00
08	12.80	9.20	7.00	23	27.80	24.20	22.00
09	13.80	10.20	8.00	24	28.80	25.20	23.00
10	14.80	11.20	9.00	25	29.80	26.20	24.00
11	15.80	12.20	10.00	26	30.80	27.20	25.00
12	16.80	13.20	11.00	27	31.80	28.20	26.00
13	17.80	14.20	12.00	28	32.80	29.20	27.00
14	18.80	15.20	13.00	29	33.80	30.20	28.00
15	19.80	16.20	14.00	30	34.80	31.20	29.00
16	20.80	17.20	15.00	31	35.80	32.20	30.00
17	21.80	18.20	16.00	32	36.80	33.20	31.00
18	22.80	19.20	17.00				

ORDERING INFORMATION:

P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ T W - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BD" STRAIGHT TYPE
2. NO. OF CONTACTS:
004 ~ 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR TOP ENTRY DUAL CONTACT DIP TYPE (STANDARD)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp
Dielectric Withstand: 500V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 Nylon-6T
Contacts: Copper Alloy
 All materials must be RoHS compliant.

DIMENSIONS:

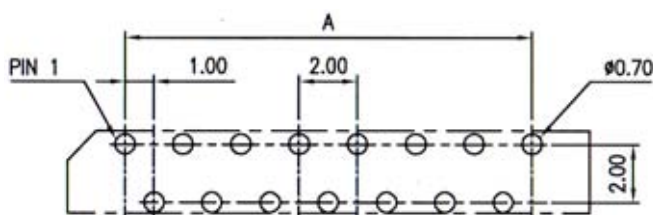
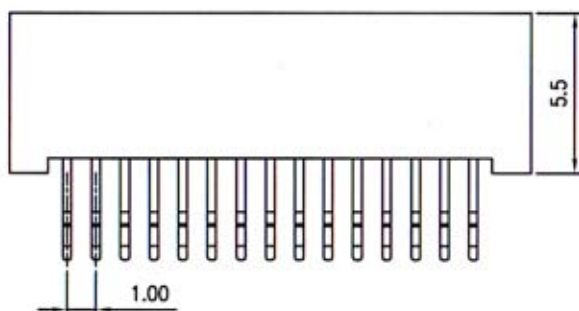
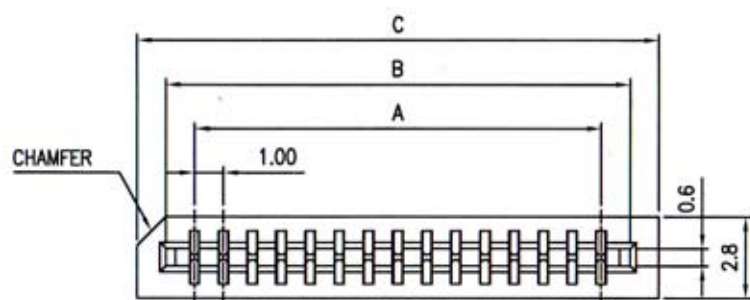
A = 1.0 x (No. of Contacts - 1)
 B = (DIM. A) + 2.1
 C = (DIM. A) + 4.0

ORDERING INFORMATION:

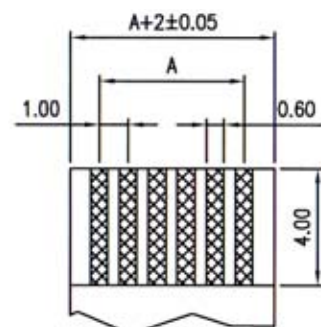
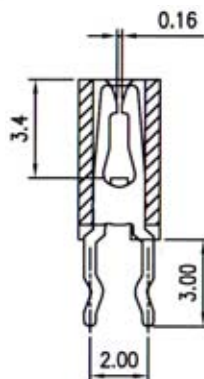
P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ T B - $\frac{x}{3}$

1. CONNECTOR TYPE:
"FG" STRAIGHT TYPE
2. NO. OF CONTACTS:
002 ~ 030
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR TOP ENTRY DUAL CONTACT DIP TYPE (SPECIAL)



Recommended P.C.Board Layout



FPC/FFC T=0.30±0.05

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

DIMENSIONS:

A = 1.0 x (No. of Contacts - 1)

B = (DIM. A) + 2.1

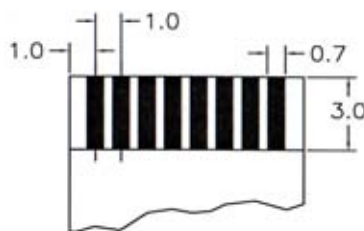
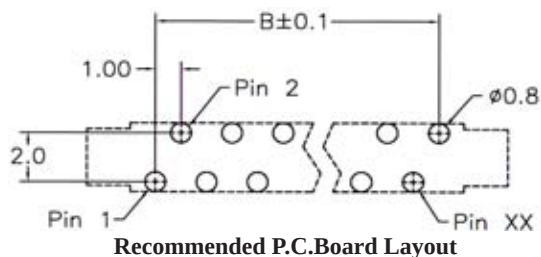
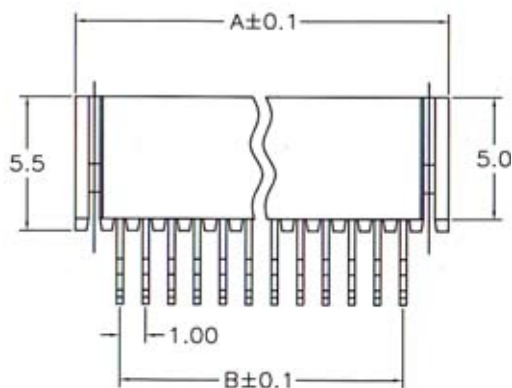
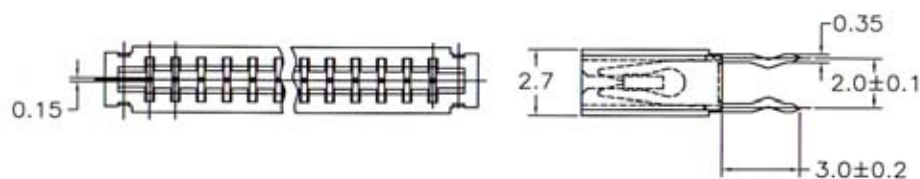
C = (DIM. A) + 4.0

ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1} - \frac{x}{2} T B - \frac{x}{3}$

1. CONNECTOR TYPE:
"FV" STRAIGHT TYPE
2. NO. OF CONTACTS:
002 ~ 030
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR STRAIGHT TYPE



FFC/FPC Dimension
Thickness 0.3±0.05mm

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 85°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon 6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

DIMENSIONS:

A = 1.00 x No. of Contacts/Row + 2.5

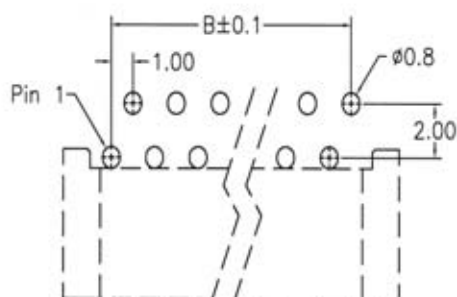
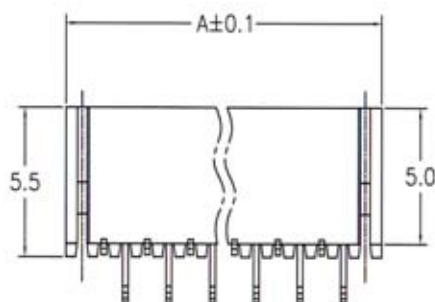
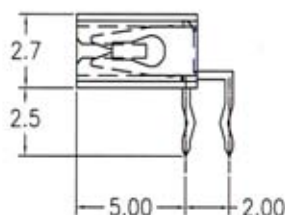
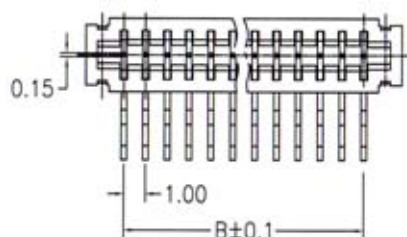
B = 1.00 x No. of Contacts/Row - 1.0

ORDERING INFORMATION:

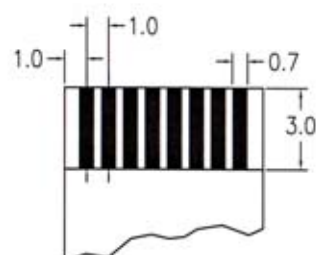
P/N 1 0 0 FK - xxx T B - x
1 2 3 4

1. CONNECTOR TYPE:
"FK" STRAIGHT TYPE FOR 0.30mm
THICK FFC/FPC
2. NO. OF CONTACTS:
003 ~ 032
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR RIGHT ANGLE TYPE



Recommended P.C.Board Layout



FFC/FPC Dimension
Thickness 0.3±0.05mm

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon 6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

DIMENSIONS:

A = 1.00 x No. of Contacts/Row + 2.5

B = 1.00 x No. of Contacts/Row - 1.0

ORDERING INFORMATION:

P/N 1 0 0 $\frac{FL}{1}$ - $\frac{xxx}{2}$ $\frac{T}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:

"FL" RIGHT ANGLE TYPE FOR 0.30mm
THICK FFC/FPC

2. NO. OF CONTACTS:

003 ~ 032

3. CONTACT FINISH:

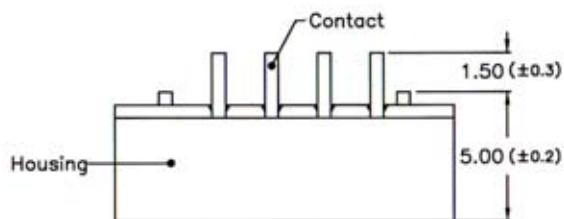
"T" FULL TIN PLATED

4. PACKAGE OPTION:

"0" BULK PACKAGE

"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR UPPER CONTACT SIDE ENTRY TYPE



DIMENSIONS:
 $C = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. C}) + 5.8$
 $B = (\text{DIM. C}) + 2.2$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

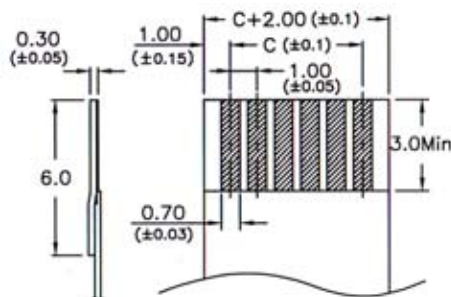
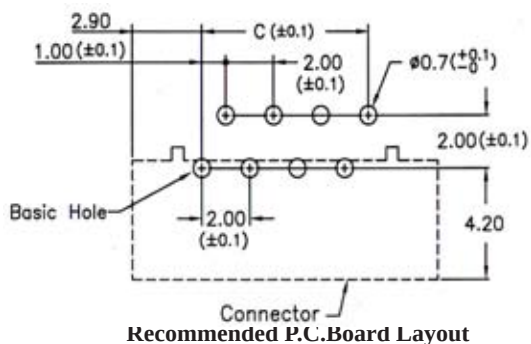
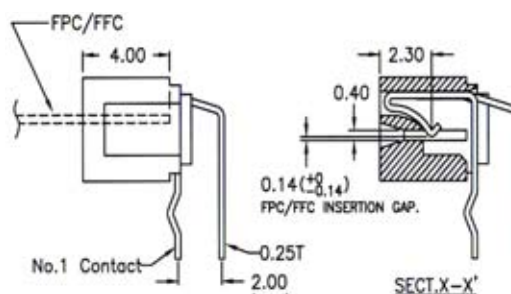
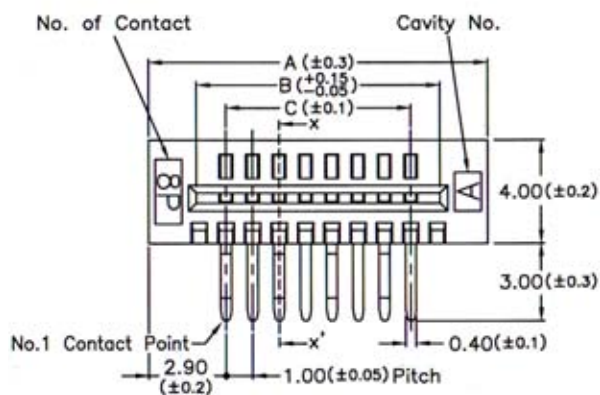
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

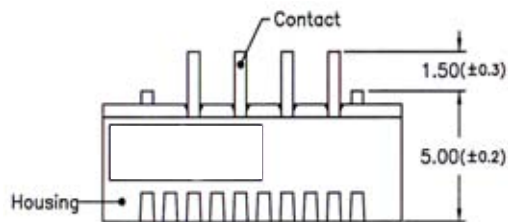


ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1} - \frac{x}{2} T W - \frac{x}{3}$

1. CONNECTOR TYPE:
"BF" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
004 ~ 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR LOWER CONTACT SIDE ENTRY TYPE



DIMENSIONS:
 $C = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. } C) + 5.8$
 $B = (\text{DIM. } C) + 2.2$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

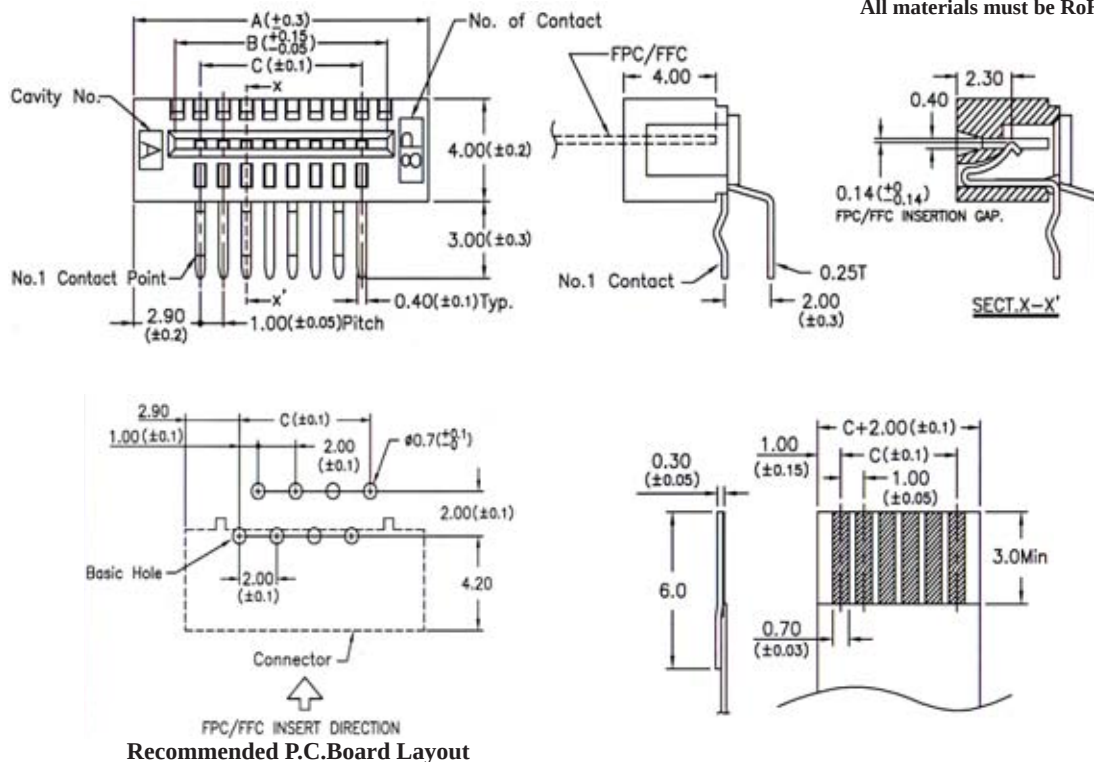
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

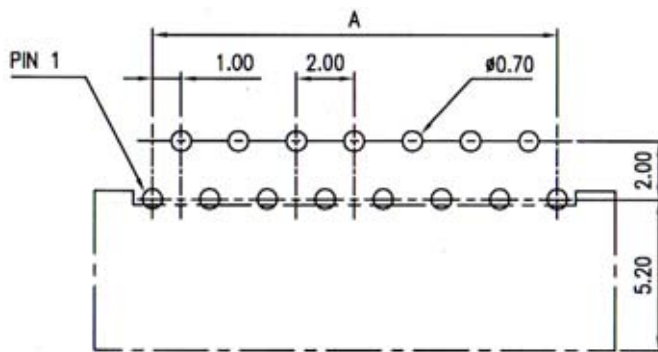
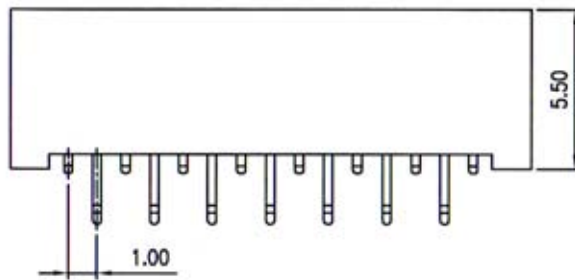
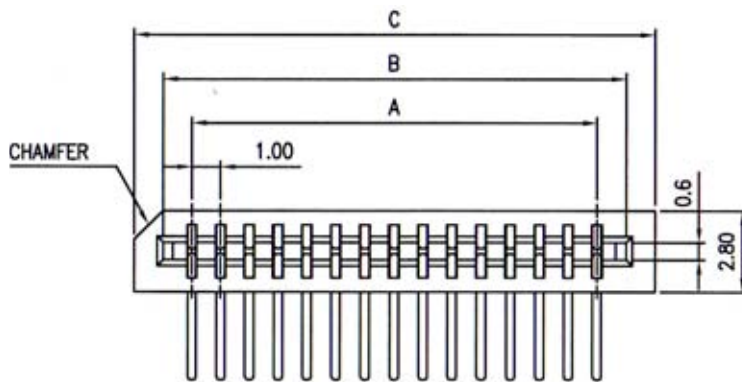


ORDERING INFORMATION:

P/N 100 $\frac{xx}{1} - \frac{xxx}{2}$ TW - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BE" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
004 ~ 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR SIDE ENTRY DUAL CONTACT DIP TYPE (STANDARD)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

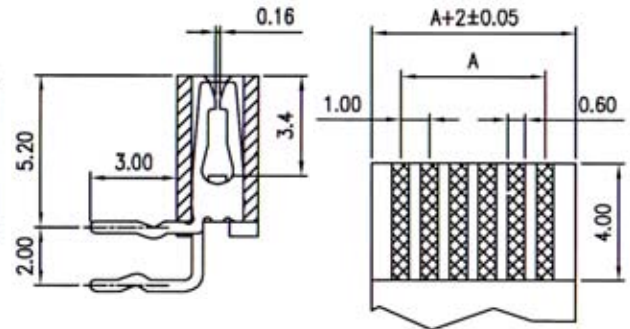
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



FPC/FFC T=0.30±0.05

DIMENSIONS:

A= 1.0 x (No. of Contacts-1)

B= (DIM. A) + 2.1

C= (DIM. A) + 4.0

ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ T B - $\frac{x}{3}$

1. CONNECTOR TYPE:

"FR" RIGHT ANGLE TYPE

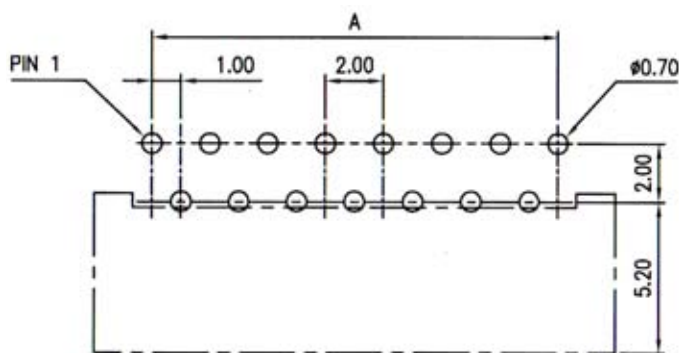
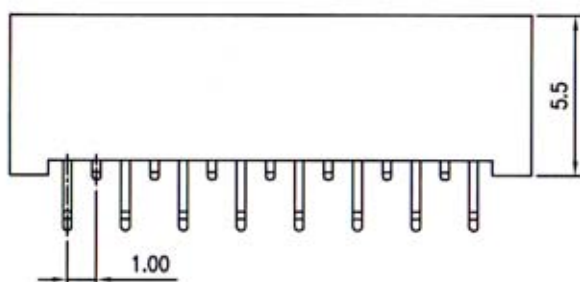
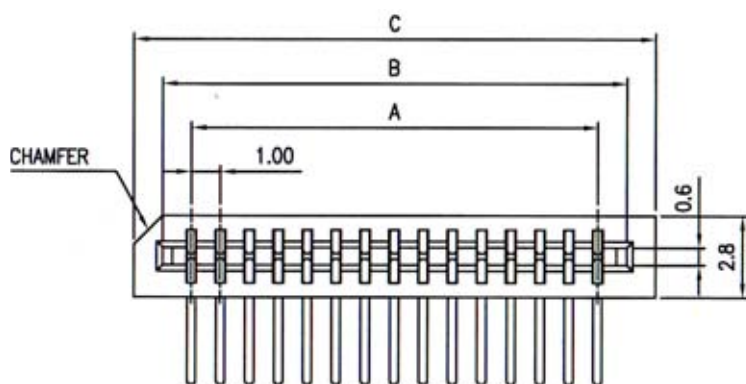
2. NO. OF CONTACTS:

004 ~ 030

3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR SIDE ENTRY DUAL CONTACT DIP TYPE (SPECIAL)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

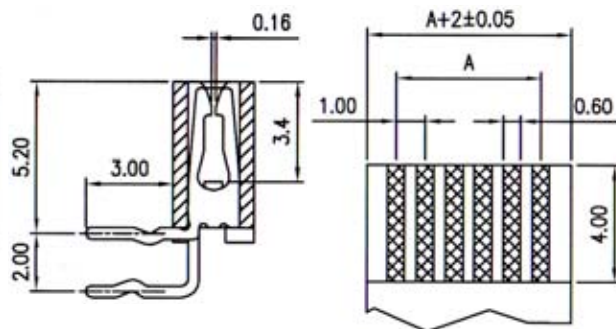
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



FPC/FFC T=0.30±0.05

DIMENSIONS:

A= 1.0 x (No. of Contacts-1)

B= (DIM. A) + 2.1

C= (DIM. A) + 4.0

ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ T B - $\frac{x}{3}$

1. CONNECTOR TYPE:

"FY" RIGHT ANGLE TYPE

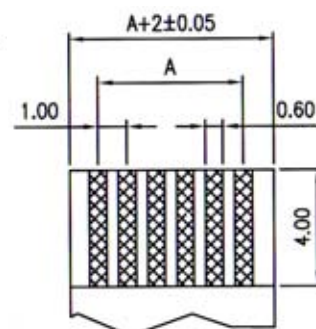
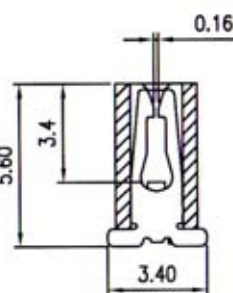
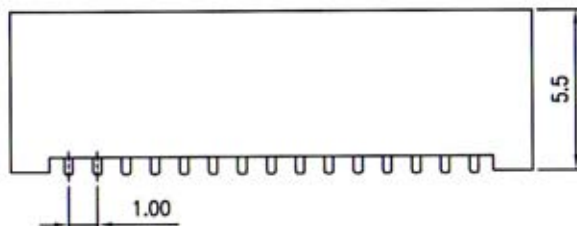
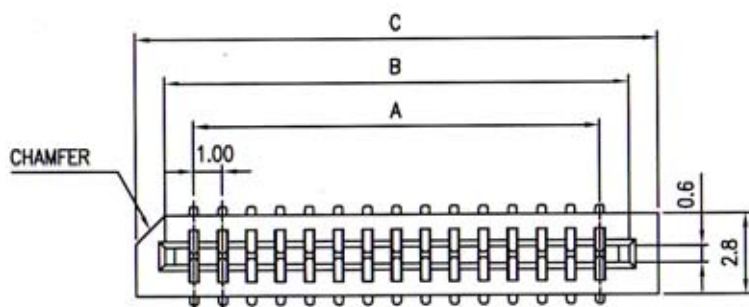
2. NO. OF CONTACTS:

002 ~ 030

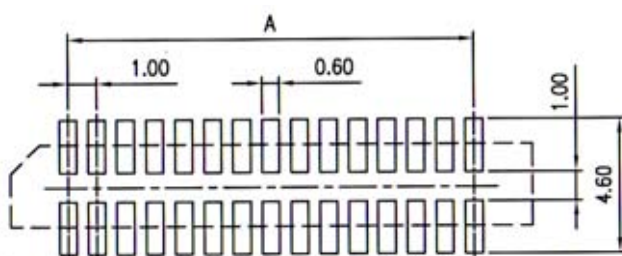
3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR TOP ENTRY DUAL CONTACT SMT TYPE



FPC/FFC T=0.30±0.05



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

DIMENSIONS:

A= 1.0 x (No. of Contacts-1)

B= (DIM. A) + 2.1

C= (DIM. A) + 4.0

ORDERING INFORMATION:

P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ T B - $\frac{x}{3}$

1. CONNECTOR TYPE:

"FC" STRAIGHT SMT TYPE

2. NO. OF CONTACTS:

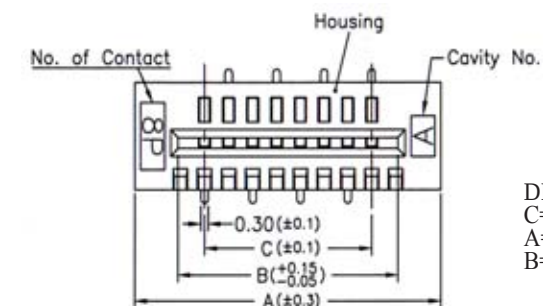
002 ~ 030

3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"G" WITH FILM IN TAPE & REEL

1.00MM FFC/FPC NON-ZIF CONNECTOR TOP ENTRY SMT TYPE



DIMENSIONS:
 $C = 1.0 \times (\text{No. of Contacts} - 1)$
 $A = (\text{DIM. C}) + 5.8$
 $B = (\text{DIM. C}) + 2.2$

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

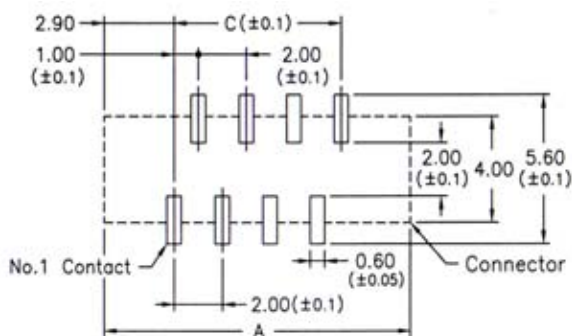
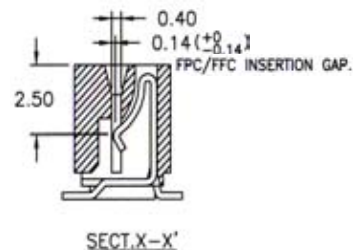
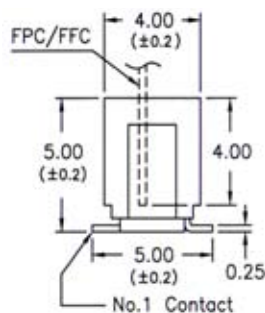
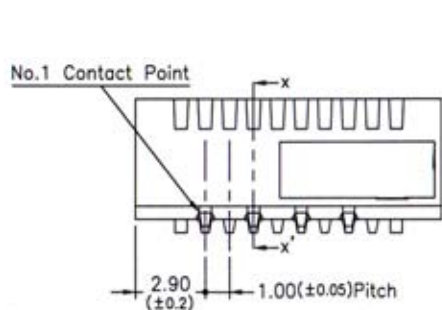
MATERIALS

Insulator: Thermoplastic, UL94V-0

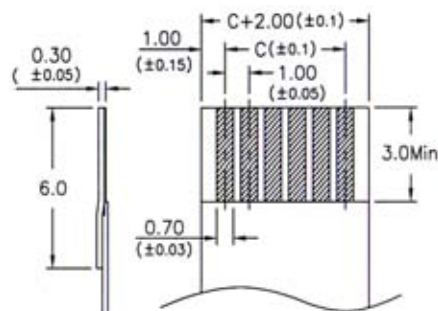
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C. Board Layout

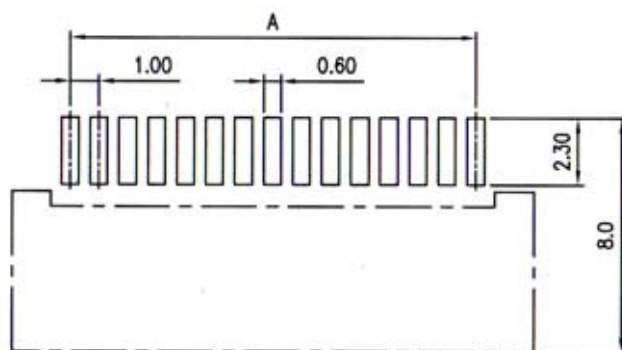
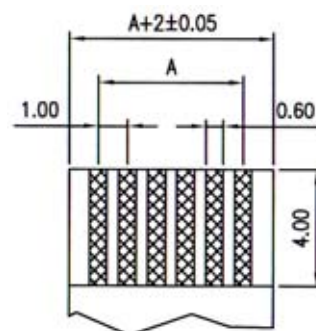
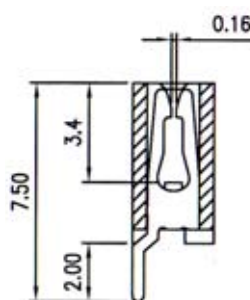
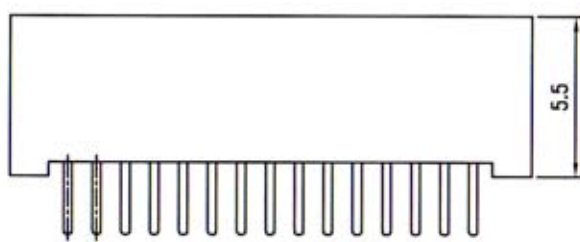
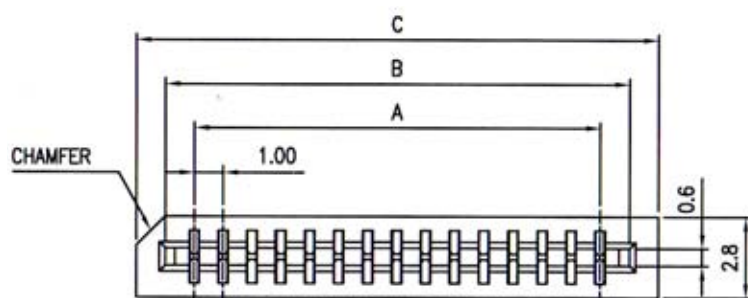


ORDERING INFORMATION:

P/N 100 $\frac{xx}{1}$ - $\frac{xxx}{2}$ TW - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BR" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 ~ 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

1.00MM FFC/FPC NON-ZIF CONNECTOR SIDE ENTRY DUAL CONTACT SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

FPC/FFC T=0.30±0.05

DIMENSIONS:

A= 1.0 x (No. of Contacts-1)

B= (DIM. A) + 2.1

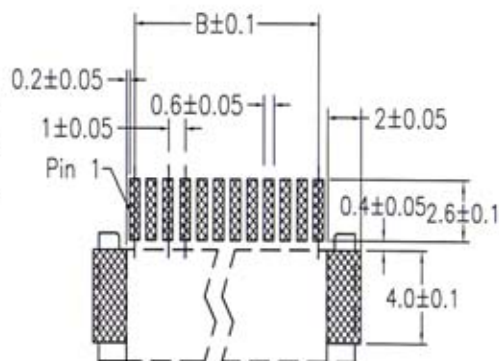
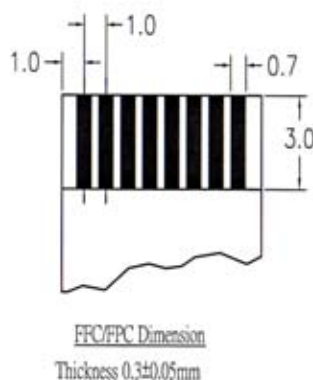
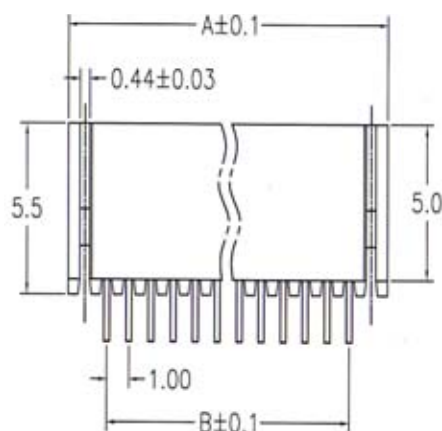
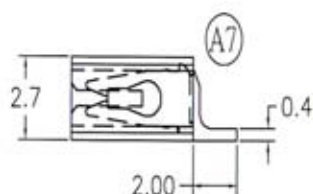
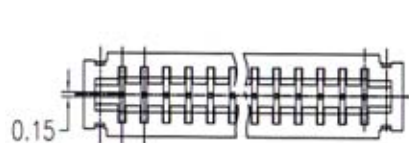
C= (DIM. A) + 4.0

ORDERING INFORMATION:

P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ T B - $\frac{x}{3}$

1. CONNECTOR TYPE:
"FD" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
002 ~ 030
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.00MM FFC/FPC NON-ZIF CONNECTOR SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 85°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon 6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

DIMENSIONS:

A = 1.00 x No. of Contacts/Row + 2.5

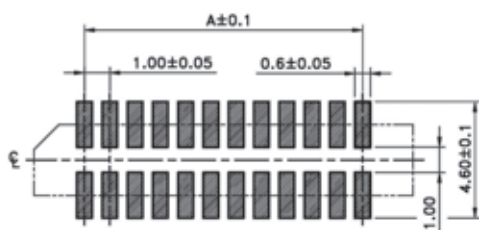
B = 1.00 x No. of Contacts/Row - 1.0

ORDERING INFORMATION:

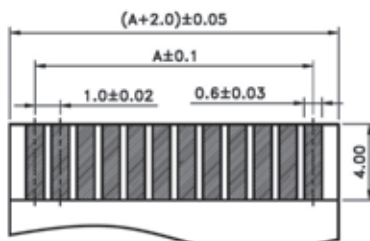
P/N 1 0 0 $\frac{FM}{1}$ - $\frac{xxx}{2}$ $\frac{T}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:
"FM" SMT TYPE FOR 0.30mm
THICK FFC/FPC
2. NO. OF CONTACTS:
003 ~ 032
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE

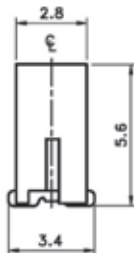
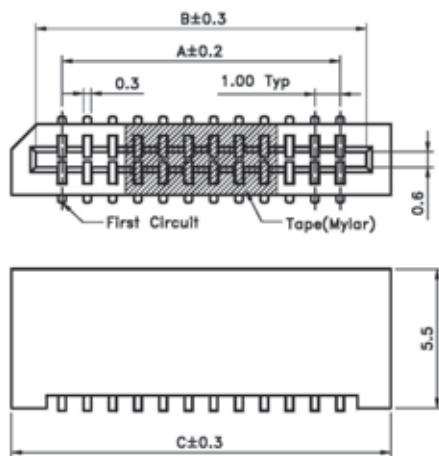
1.00MM FFC/FPC NON-ZIF CONNECOTR STRAIGHT SMT TYPE



Recommended P.C.Board Layout



Applicable FFC Thickness : 0.30±0.05



SPECIFICATIONS

Voltage Rating: 250V AC/DC

Current Rating: 0.5A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 800MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Base: Nylon PA6T, UL94V-0

Contact: Brass, Tin Plated

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)			NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C		A	B	C
02	1.00	3.10	5.00	20	19.00	21.10	23.00
03	2.00	4.10	6.00	21	20.00	22.10	24.00
04	3.00	5.10	7.00	22	21.00	23.10	25.00
05	4.00	6.10	8.00	23	22.00	24.10	26.00
06	5.00	7.10	9.00	24	23.00	25.10	27.00
07	6.00	8.10	10.00	25	24.00	26.10	28.00
08	7.00	9.10	11.00	26	25.00	27.10	29.00
09	8.00	10.10	12.00	27	26.00	28.10	30.00
10	9.00	11.10	13.00	28	27.00	29.10	31.00
11	10.00	12.10	14.00	29	28.00	30.10	32.00
12	11.00	13.10	15.00	30	29.00	31.10	33.00
13	12.00	14.10	16.00	31	30.00	32.10	34.00
14	13.00	15.10	17.00	32	31.00	33.10	35.00
15	14.00	16.10	18.00	33	32.00	34.10	36.00
16	15.00	17.10	19.00	34	33.00	35.10	37.00
17	16.00	18.10	20.00	35	34.00	36.10	38.00
18	17.00	19.10	21.00	36	35.00	37.10	39.00
19	18.00	20.10	22.00				

ORDERING INFORMATION:

P/N 1 0 0 BS - xxx T B - R

- CONNECTOR TYPE:
"BS" STRAIGHT SMT TYPE
- NO. OF CONTACTS:
002 ~ 036
- PACKAGE TYPE:
"R" TAPE & REEL

1.00MM FFC/FPC NON-ZIF CONNECOTR RIGHT ANGLE SMT TYPE WITH DUAL BEAM CONTACTS

SPECIFICATIONS

Voltage Rating: 250V AC/DC

Current Rating: 0.5A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 800MΩ Min.

Temperature Range: -25°C to +85°C

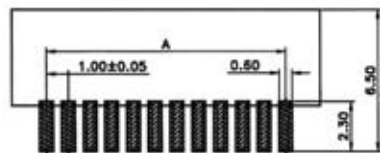
Contact Resistance: 20mΩ Max

MATERIAL

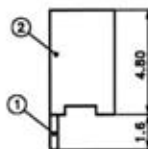
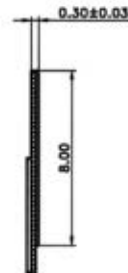
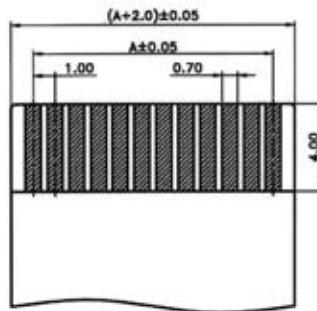
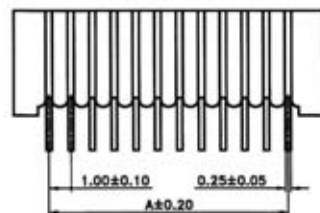
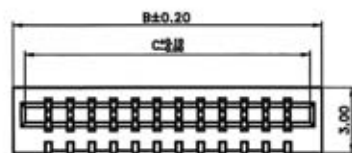
Base: PPS, UL94V-0

Contact: Phos. Bronze, Tin Plated

All materials must be RoHS compliant.



Recommended P.C.Board Layout



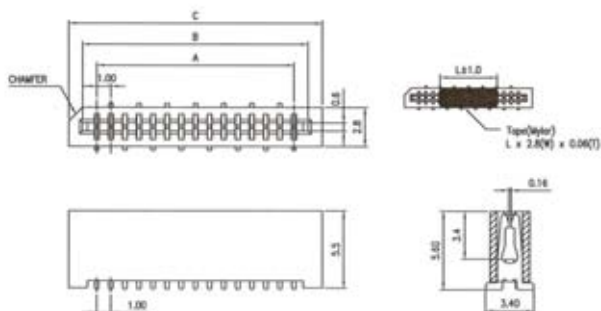
NO. OF CONTACTS	DIMENSIONS(MM)			NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C		A	B	C
04	3.00	6.20	5.10	23	22.00	25.20	24.10
05	4.00	7.20	6.10	24	23.00	26.20	25.10
06	5.00	8.20	7.10	25	24.00	27.20	26.10
07	6.00	9.20	8.10	26	25.00	28.20	27.10
08	7.00	10.20	9.10	27	26.00	29.20	28.10
09	8.00	11.20	10.10	28	27.00	30.20	29.10
10	9.00	12.20	11.10	29	28.00	31.20	30.10
11	10.00	13.20	12.10	30	29.00	32.20	31.10
12	11.00	14.20	13.10	31	30.00	33.20	32.10
13	12.00	15.20	14.10	32	31.00	34.20	33.10
14	13.00	16.20	15.10	33	32.00	35.20	34.10
15	14.00	17.20	16.10	34	33.00	36.20	35.10
16	15.00	18.20	17.10	35	34.00	37.20	36.10
17	16.00	19.20	18.10	36	35.00	38.20	37.10
18	17.00	20.20	19.10	37	36.00	39.20	38.10
19	18.00	21.20	20.10	38	37.00	40.20	39.10
20	19.00	22.20	21.10	39	38.00	41.20	40.10
21	20.00	23.20	22.10	40	39.00	42.20	41.10
22	21.00	24.20	23.10				

ORDERING INFORMATION:

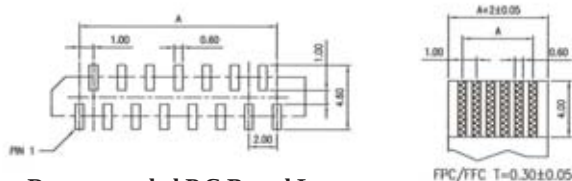
P/N 1 0 0 BT - xxx T B - R
1 2 3

- CONNECTOR TYPE:
"BT" RAIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
004 ~ 040
- PACKAGE TYPE:
"R" TAPE & REEL

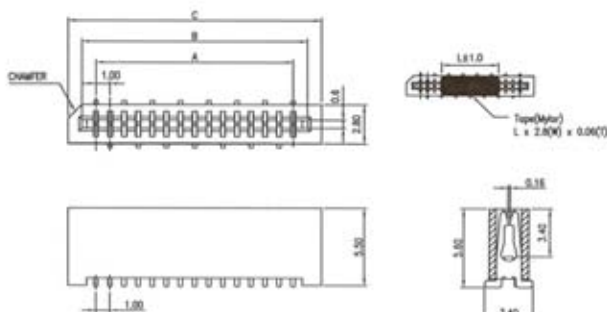
1.00MM(0.039") FPC/FFC NON-ZIF TOP ENTRY DOUBLE CONTACT SMT TYPE



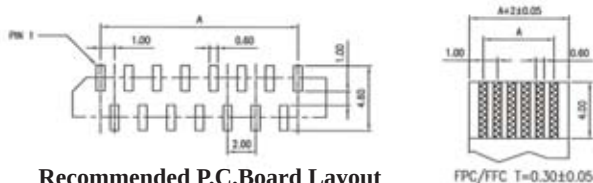
100FS



Recommended P.C.Board Layout



100FU



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Copper Alloy

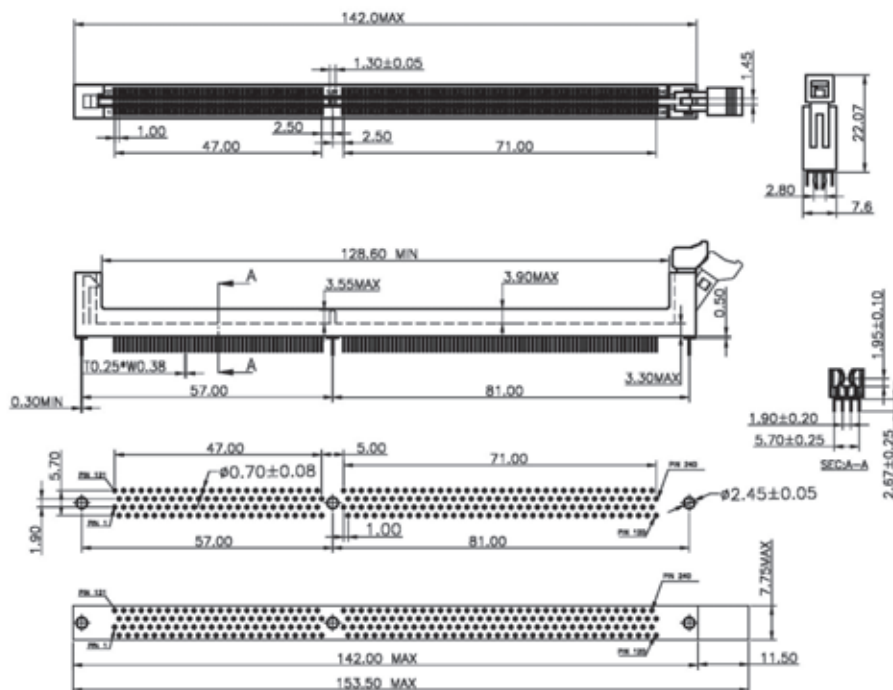
All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	L
03	2.00	4.10	6.00	4.0
04	3.00	5.10	7.00	
05	4.00	6.10	8.00	
06	5.00	7.10	9.00	
07	6.00	8.10	10.00	8.0
08	7.00	9.10	11.00	
09	8.00	10.10	12.00	
10	9.00	11.10	13.00	
11	10.00	12.10	14.00	12.0
12	11.00	13.10	15.00	
13	12.00	14.10	16.00	
14	13.00	15.10	17.00	
15	14.00	16.10	18.00	
16	15.00	17.10	19.00	
17	16.00	18.10	20.00	
18	17.00	19.10	21.00	
19	18.00	20.10	22.00	
20	19.00	21.10	23.00	
21	20.00	22.10	24.00	
22	21.00	23.10	25.00	
23	22.00	24.10	26.00	
24	23.00	25.10	27.00	
25	24.00	26.10	28.00	
26	25.00	27.10	29.00	
27	26.00	28.10	30.00	
28	27.00	29.10	31.00	
29	28.00	30.10	32.00	
30	29.00	31.10	33.00	

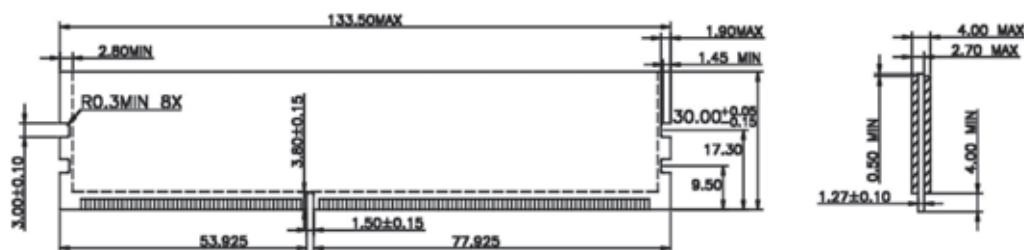
ORDERING INFORMATION:

P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

- PCB LAYOUT OPTION:
"FS" NORMAL TYPE
"FU" INVERSE TYPE
- NO. OF CONTACTS:
003 ~ 030
- CONTACT FINISH:
"T" FULL TIN PLATED
- PAD & PACKAGE OPTION:
"T" W/O FILM IN TUBE
"G" WITH FILM IN TAPE & REEL



Recommended P.C.Board Layout (Top View)



Recommended Module Layout (Top View)

ORDERING INFORMATION:

P/N 100DE - $\frac{240}{1} \frac{S}{2} \frac{x}{3} \frac{x}{4}$

1. NO. OF CONTACTS:
240
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
"N" GREEN (368C)
"P" PINK (190C)
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SPECIFICATIONS

Voltage Current Rating: 0.5A 30V AC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +140°C

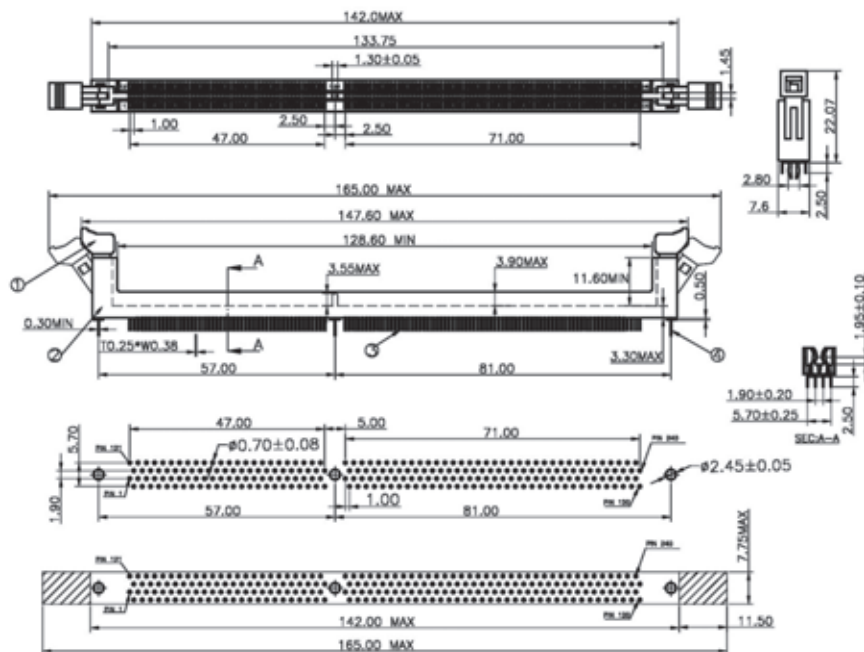
MATERIALS

Housing: NY66 UL94V-0

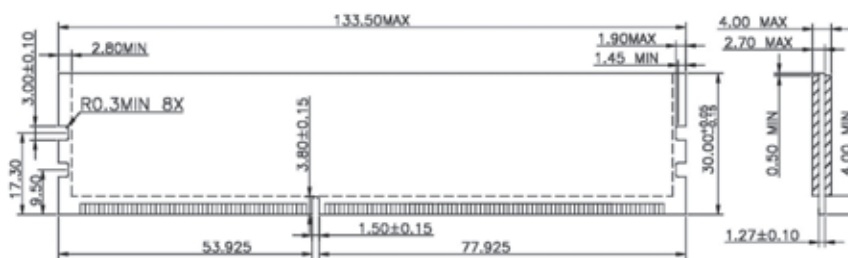
Contact: Brass

All materials must be RoHS compliant.

1.00MM DDR III SOCKET 240 PIN 1.5V STRAIGHT TYPE WITH 3 METAL POSTS SOLDER LENGTH=2.50MM



Recommended P.C.Board Layout
(Top View)



Recommended Module Layout
(Top View)

SPECIFICATIONS

Voltage Current Rating: 0.5A 30V AC
Contact Resistance: 30mΩ Max.
Insulator Resistance: 1000MΩ Min.
Withstanding Voltage: 500V AC
Operating Temperature: -55°C to +140°C

MATERIALS

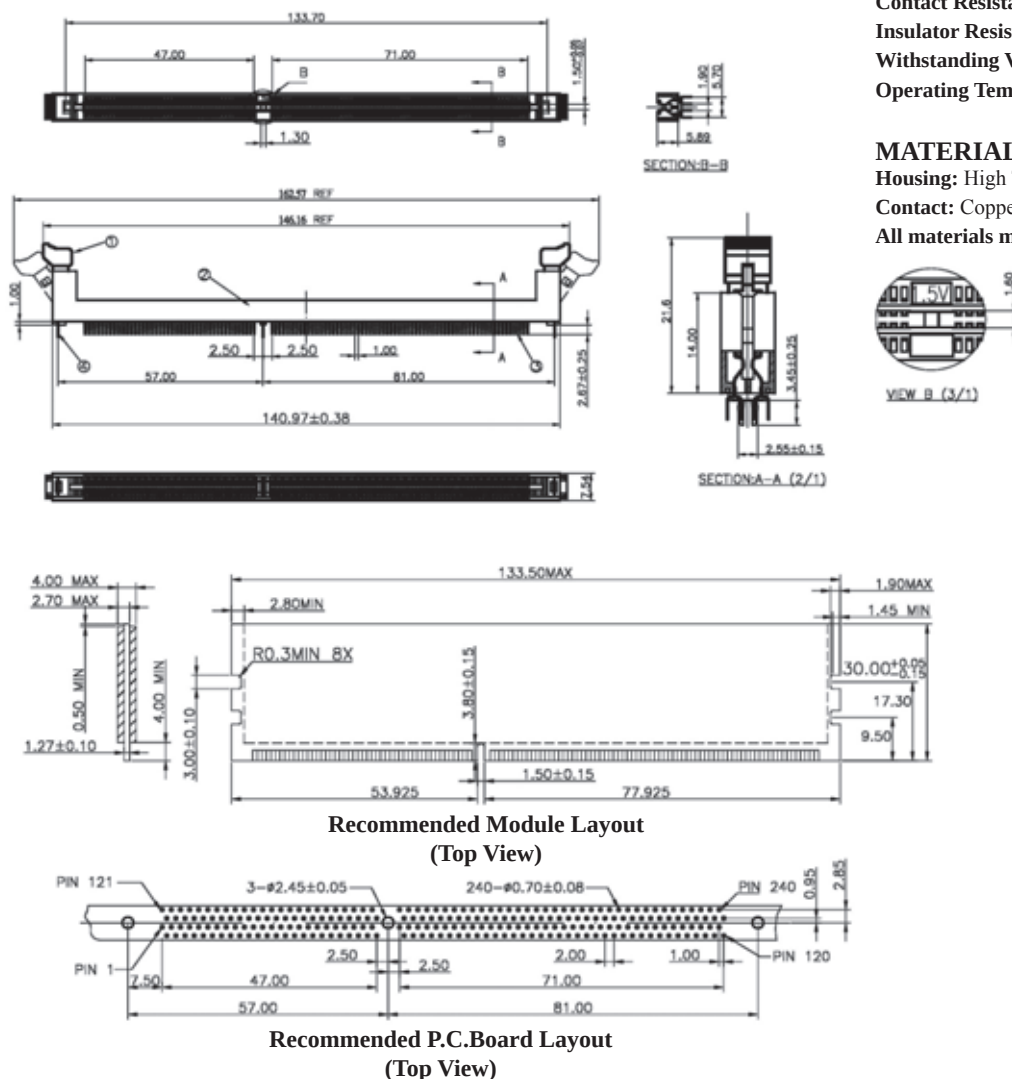
Housing: NY66 UL94V-0
Contact: Copper Alloy
 All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 100DF - $\frac{240}{1}$ $\frac{S}{2}$ $\frac{X}{3}$ $\frac{X}{4}$

1. NO. OF CONTACTS:
240
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
"N" GREEN (368C)
"P" PINK (190C)
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

1.00MM DDR III SOCKET 240 PIN 1.5V STRAIGHT TYPE WITH 3 METAL POSTS



SPECIFICATIONS

Voltage Current Rating: 0.5A 30V AC
Contact Resistance: 30mΩ Max.
Insulator Resistance: 1000MΩ Min.
Withstanding Voltage: 500V AC
Operating Temperature: -55°C to +140°C

MATERIALS

Housing: High Temperature Thermoplastic
Contact: Copper Alloy
 All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 xx - 2 4 0 S xx xx
1 2 3 4 5

- LATCH COLOR:
 "DG" WHITE LATCHES
 "DK" BLACK LATCHES
- NO. OF CONTACTS:
 240
- CONTACT FINISH:
 "S" SELECTIVE GOLD PLATED
- INSULATOR COLOR:
 "B" BLACK "U" BLUE
 "R" RED "P" PINK
 "O" ORANGE "Y" YELLOW
 "N" GREEN "W" WHITE

- GOLD PLATED THICKNESS:
 "01" GOLD FLASH
 "15" 15 MICROINCH GOLD

1.00MM(0.039") PITCH 240 PIN DDR III SOCKET STRAIGHT DIP TYPE

SPECIFICATIONS

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstand Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Body: Nylon 66+30%G.F, UL94V-2

Ejector: Nylon 66+30%G.F, UL94V-2

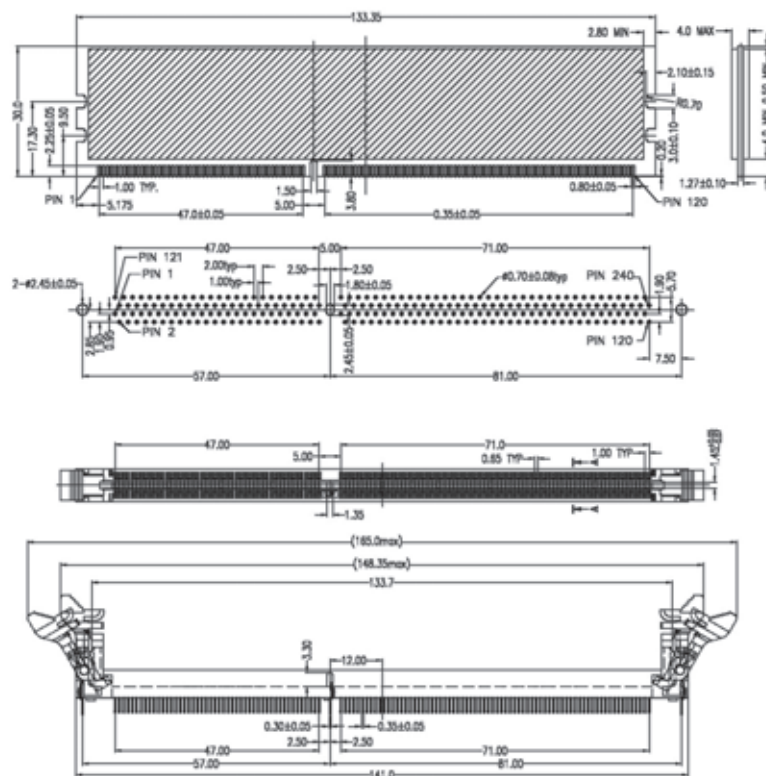
Plating: Au Plating On Contact Area

Sn (100u" Min) Plating On Solder Tail

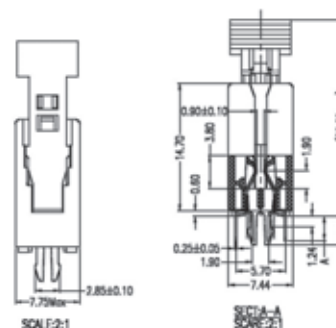
Ni (40u" Min) Contact Underplating Overall

Harpoon: Brass

All materials must be RoHS compliant.



Recommended P.C.Board Layout



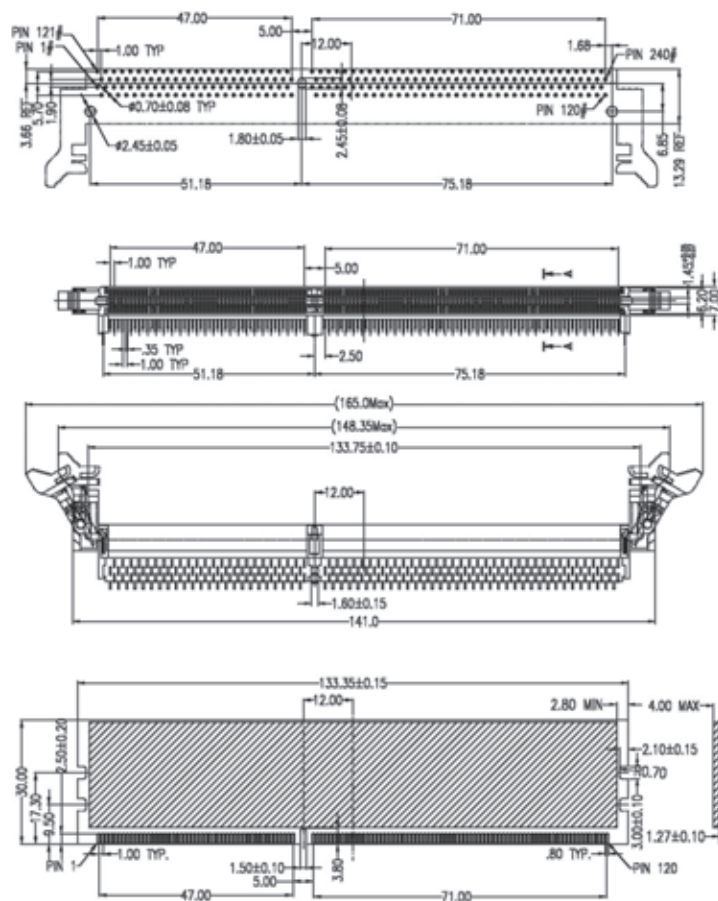
ORDERING INFORMATION:

P/N 100 xx - 240 S xx xx
1 2 3 4 5

1. PIN LENGTH:
"R1" SHORT PIN (2.80MM)
"R2" LONG PIN (3.18MM)
"R3" SHORT PIN (2.8MM) WITH BLACK EARS
2. NO. OF CONTACTS:
240
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
4. INSULATOR COLOR:
"B" BLACK
"A" GRAY
"W" WHITE
"Y" YWLLLOW
"R" RED

- "P" PURPLE
"O" ORANGE
"U" BLUE
5. GOLD PLATING OF CONTACTS:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

1.00MM(0.039") PITCH 240 PIN DDR III SOCKET 25 DEGREE ANGLED TYPE



Recommended P.C.Board Layout (Component Side)

SPECIFICATIONS

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstand Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Body: Nylon 46+30%G.F, UL94V-0, Black

Ejector: Nylon 66+30%G.F, UL94V-0, White

Contact: Brass

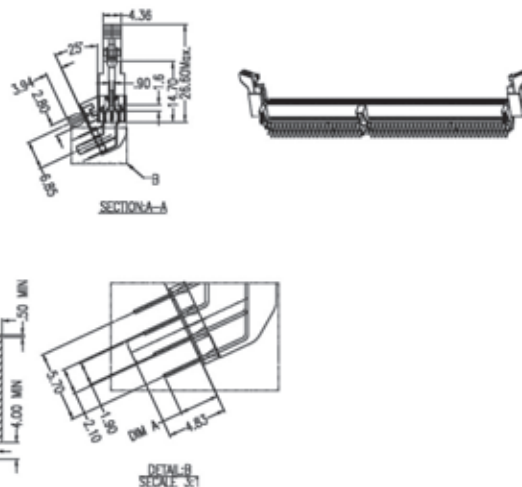
Plating: Au Plating On Contact Area

Sn (100u" Min) Plating On Solder Tail

Ni (50u" Min) Contact Underplating Overall

Harpoon: Phosphor Bronze

All materials must be RoHS compliant.



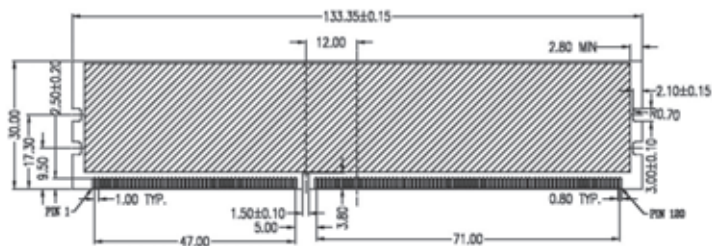
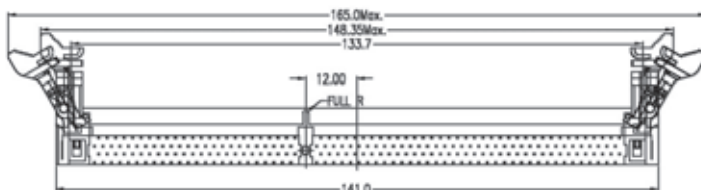
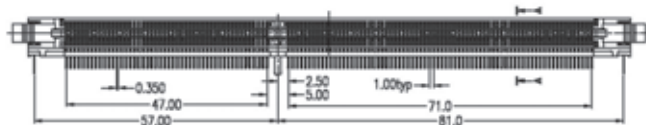
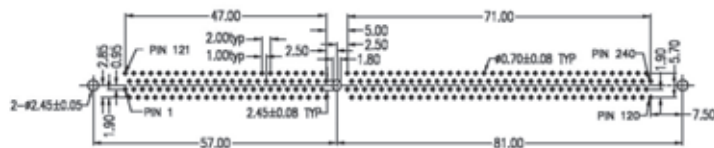
TYPE	DIM. A	PCB THICKNESS
LONG PIN	3.20	2.36
SHORT PIN	2.70	1.57

ORDERING INFORMATION:

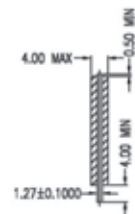
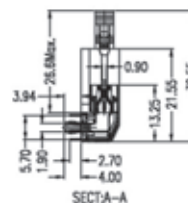
P/N 100 xx - 240 S B 01
1 2 3 4 5

1. PIN LENGTH:
"R4" SHORT PIN (2.70MM)
"R5" LONG PIN (3.20MM)
2. NO. OF CONTACTS:
240
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
4. INSULATOR COLOR:
"B" BLACK
5. GOLD PLATING OF CONTACTS:
"01" GOLD FLASH

1.00MM(0.039") PITCH 240 PIN DDR III SOCKET RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
(Top View)



SPECIFICATIONS

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstand Voltage: 500V AC

Operating Temperature: -55°C to +105°C

MATERIALS

Body: Nylon 46+30%G.F, UL94V-0, Black

Ejector: Nylon 66+30%G.F, UL94V-2, Ivory

Latch: Nylon 46+30%G.F, UL94V-0, Black

Contact: Brass

Plating: Gold Plating Over Nickel On Contact Area
Tin Plating On Solder Tail

Harpoon: Phosphor Bronze

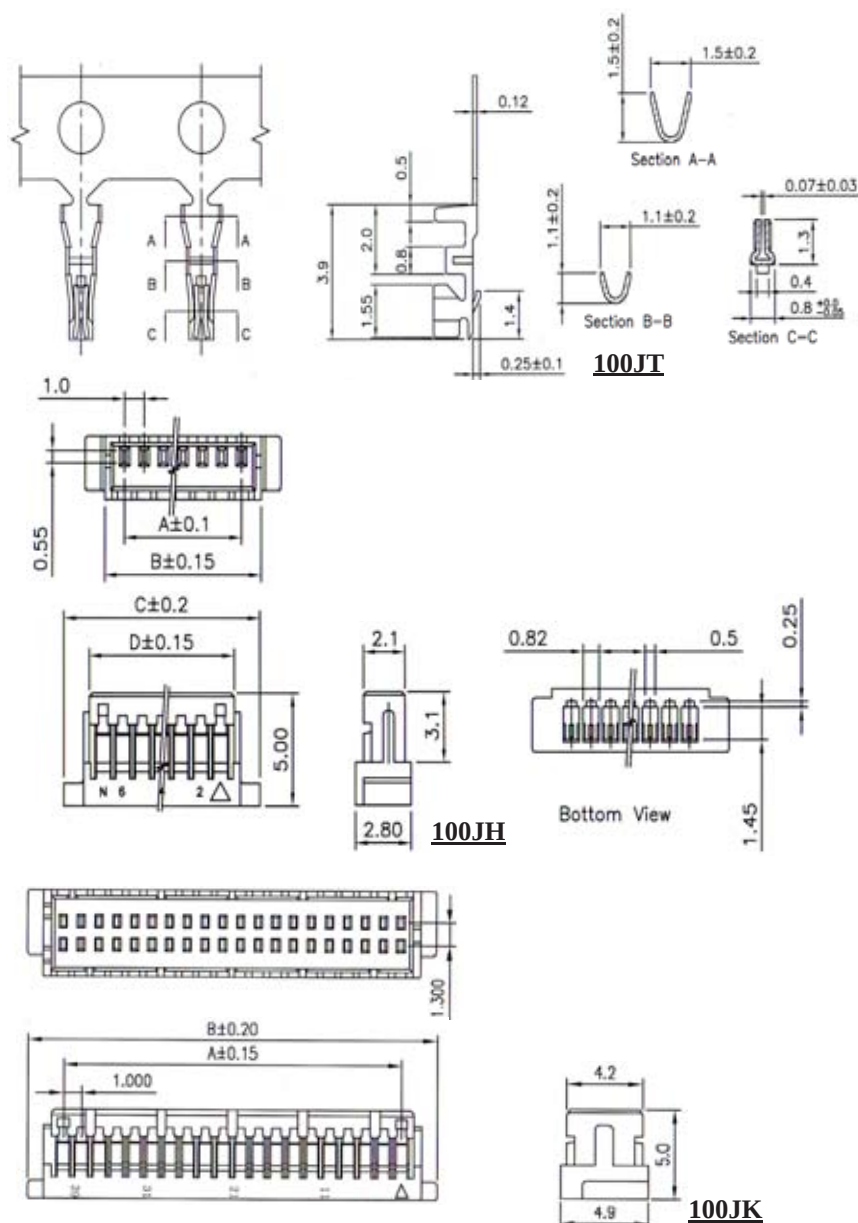
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 R 6 - 2 4 0 S B 0 1
1 2 3 4 5

1. PIN LENGTH:
"R6" SHORT PIN (2.70MM)
2. NO. OF CONTACTS:
240
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
4. INSULATOR COLOR:
"B" BLACK
5. GOLD PLATING OF CONTACTS:
"01" GOLD FLASH

1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (A1)



TERMINAL

Applicable Wires: AWG# 28-32

Material: Phosphor Bronze

Finish: Tin Plated, Gold Plated

Thickness: 0.12mm

HOUSING

Insulator: Nylon 66, UL94V-0

All materials must be RoHS compliant.

100JH

No. of Contacts	Dimensions(mm)			
	A	B	C	D
02	1.00	3.00	5.00	2.40
03	2.00	4.00	6.00	3.40
04	3.00	5.00	7.00	4.40
05	4.00	6.00	8.00	5.40
06	5.00	7.00	9.00	6.40
07	6.00	8.00	10.00	7.40
08	7.00	9.00	11.00	8.40
09	8.00	10.00	12.00	9.40
10	9.00	11.00	13.00	10.40
11	10.00	12.00	14.00	11.40
12	11.00	13.00	15.00	12.40
13	12.00	14.00	16.00	13.40
14	13.00	15.00	17.00	14.40
15	14.00	16.00	18.00	15.40
16	15.00	17.00	19.00	16.40
17	16.00	18.00	20.00	17.40
18	17.00	19.00	21.00	18.40
19	18.00	20.00	22.00	19.40
20	19.00	21.00	23.00	20.40

100JK

No. of Contacts	Dimensions(mm)	
	A	B
20	9.00	13.00
30	14.00	18.00
40	19.00	23.00
50	24.00	28.00

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 100JT-20K₁

- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
PU= 20.000 PCS/REEL

NOTE: ACCEPTS 100JH & 100JK HOUSINGS

HOUSING:

P/N 100JH-₁xx x HW

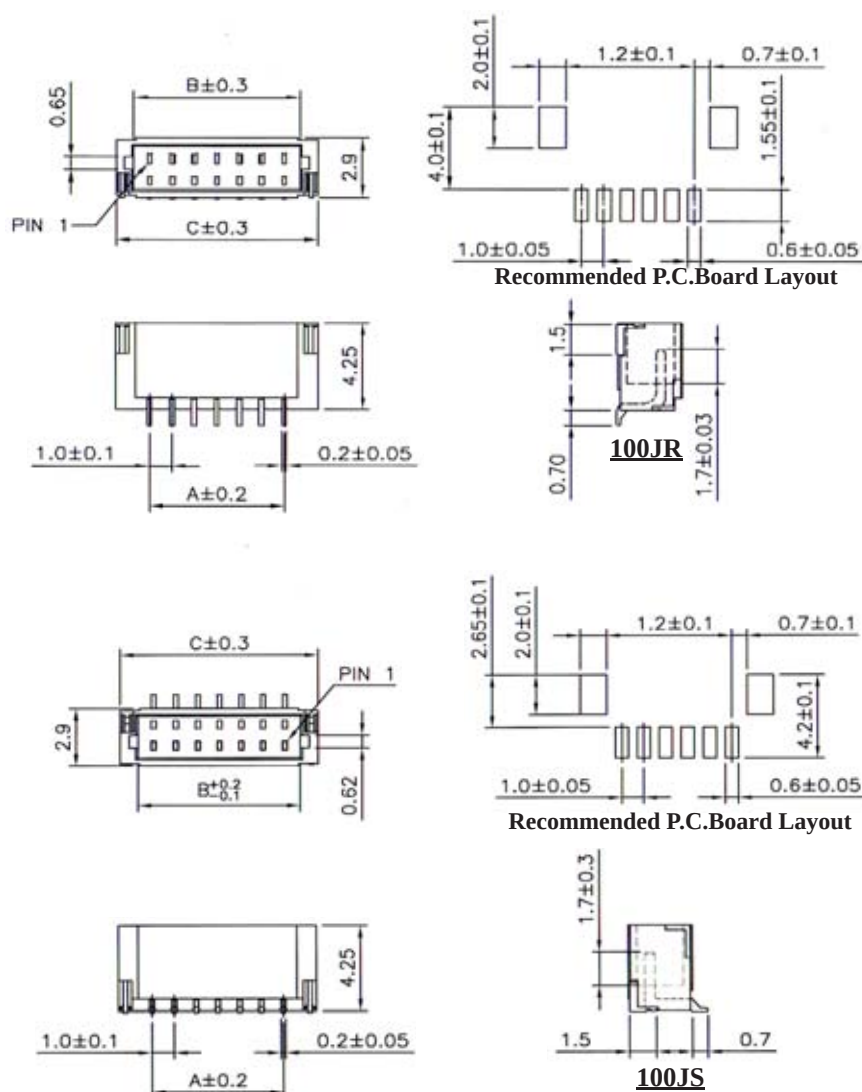
- NO. OF CONTACTS:
002 ~ 020

P/N 100JK-₁xx x HW

- NO. OF CONTACTS:
020, 030, 040, 050

NOTE: ACCEPTS 100JT TERMINAL

1.00MM(0.039") SPACING WIER-TO-BOARD SYSTEM (A2)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to + 85°C

MATERIALS

Insulator: UL94V-0

Nylon-9T

Contacts: Phosphore Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.00	2.40	4.00
03	2.00	3.40	5.00
04	3.00	4.40	6.00
05	4.00	5.40	7.00
06	5.00	6.40	8.00
07	6.00	7.40	9.00
08	7.00	8.40	10.00
09	8.00	9.40	11.00
10	9.00	10.40	12.00
11	10.00	11.40	13.00
12	11.00	12.40	14.00
13	12.00	13.40	15.00
14	13.00	14.40	16.00
15	14.00	15.40	17.00
16	15.00	16.40	18.00
17	16.00	17.40	19.00
18	17.00	18.40	20.00
19	18.00	19.40	21.00
20	19.00	20.40	22.00

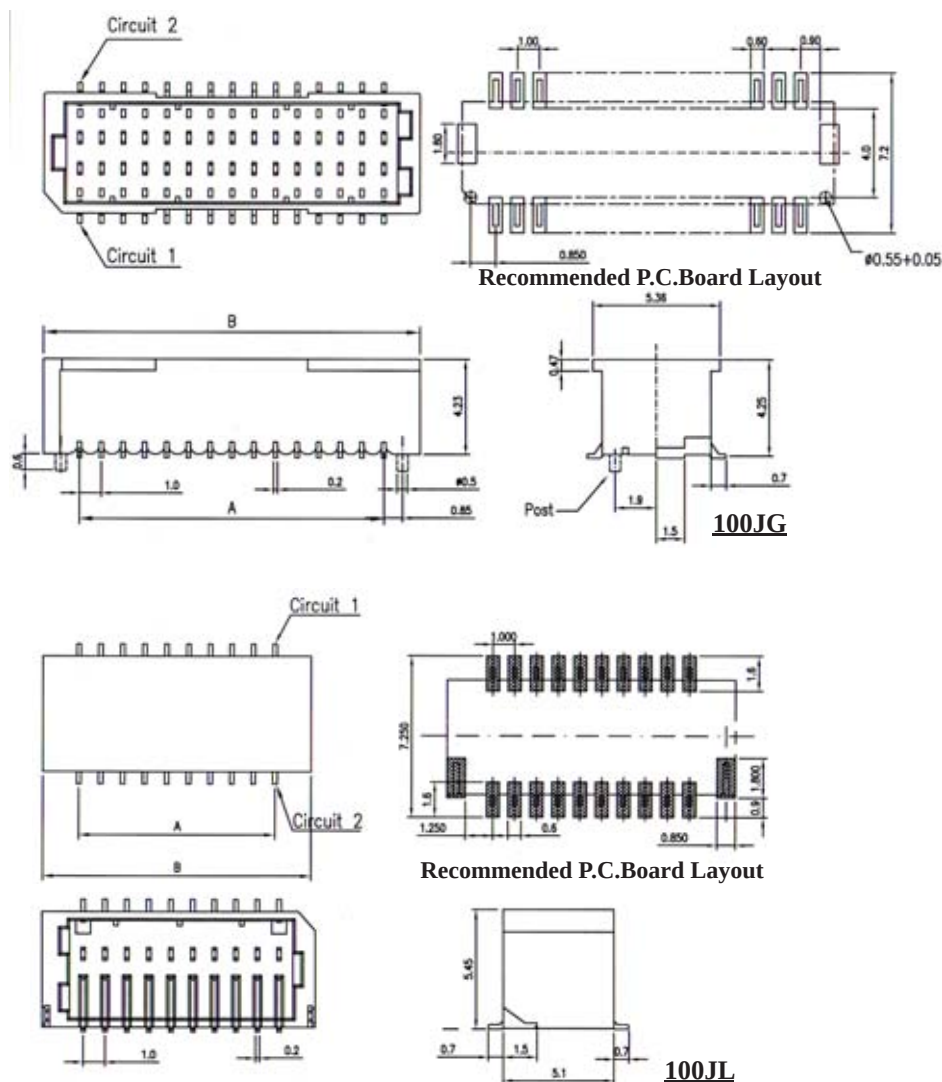
ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ T W - $\frac{x}{3}$

1. TERMINAL TYPE:
"JR" RIGHT ANGLE SMT TYPE
"JS" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
002 ~ 020
3. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL (FOR 100JS)
"R" W/O PAD IN TAPE & REEL (FOR 100JR)

NOTE: MATES WITH 100JH HOUSING

1.00MM(0.039") SPACING WIER-TO-BOARD SYSTEM (A3)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 50V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to + 85°C

MATERIALS

Insulator: UL94V-0

Nylon-6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

100JG

No. of Contacts	Dimensions(mm)	
	A	B
20	9.00	12.30
30	14.00	17.30
40	19.00	22.30
50	24.00	27.30

100JL

No. of Contacts	Dimensions(mm)	
	A	B
20	9.00	13.50
30	14.00	18.50
40	19.00	23.50
50	24.00	28.50

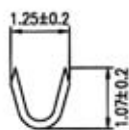
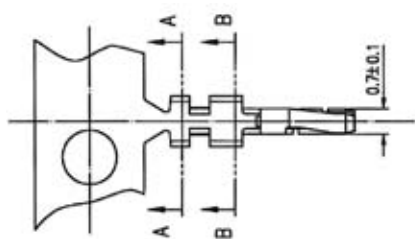
ORDERING INFORMATION:

P/N 1 0 0 $\frac{x}{1} x - \frac{x}{2} x x \frac{x}{3} W - \frac{x}{4}$

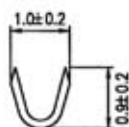
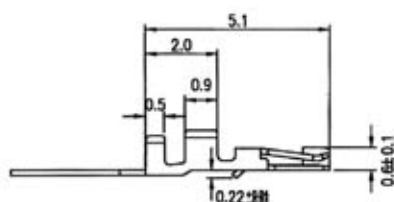
1. TERMINAL TYPE:
"JG" STRAIGHT SMT TYPE
"JL" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
010 ~ 060
3. CONTACT FINISH:
"G" GOLD PLATED
"T" TIN PLATED
4. PAD & PACKAGE OPTION:
"0" BULK PACKAGE
"R" W/O PAD IN TAPE & REEL (FOR 100JL)
"T" W/O PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL (FOR 100JG)

NOTE: MATES WITH 100JK HOUSING

1.00MM(0.039") SPACING WIER-TO-BOARD SYSTEM (B1)



A-A SECTION



B-B SECTION

TERMINAL

Accepts AWG # 28-32 Wire Range

Insulation O.D.: 0.60mm(max)

Material: Phosphor Bronze

Finish: Gold Plated

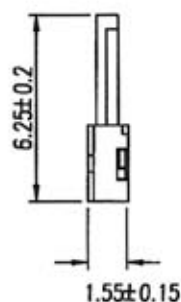
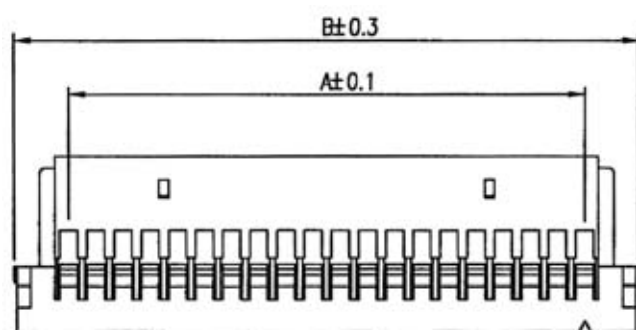
Thickness: 0.15mm

HOUSING

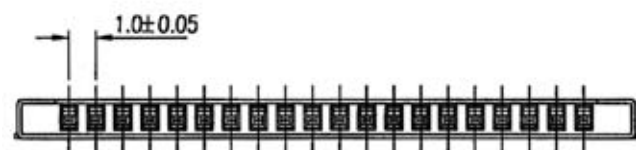
Insulator: Nylon 46, UL94V-0

All materials must be RoHS compliant.

100DT



No. of Contacts	Dimensions(mm)	
	A	B
14	13.10	17.50
20	19.00	23.50
30	29.00	33.50



100DH

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 100DT-15KG

PU= 15.000PCS/REEL

NOTE: ACCEPTS 100DH HOUSING

HOUSING:

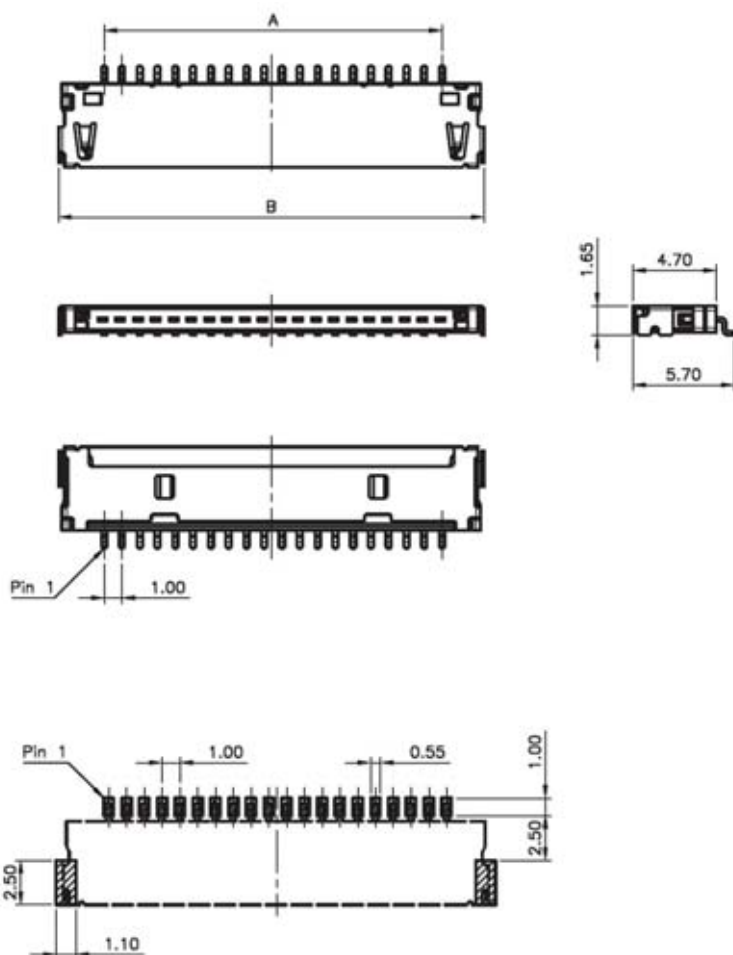
P/N 100DH-xxxHV
1

1. NO. OF CONTACTS:

014, 020, 030

NOTE: ACCEPTS 100DT TERMINAL

1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (B2)



Recommended P.C.Board Layout

SPECIFICATIONS

Voltage Rating: 50V AC

Current Rating: 1A AC

Withstand Voltage: 150V AC For 1 Min.

Contact Resistance: 50mΩ Max.

Insulator Resistance: 500MΩ Min.

Operating Temperature: -55°C to +85°C

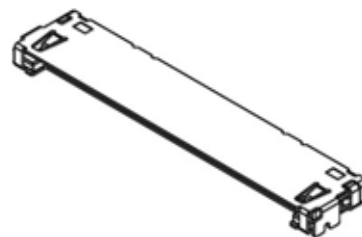
MATERIALS

Insulator: Nylon Glass Filled, UL94V-0

Shield: Phosphor Bronze, Selective Gold Plated

Contacts: Phosphor Bronze, Gold Plated

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
20	19.00	24.00

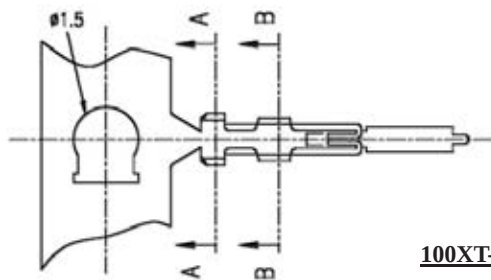
ORDERING INFORMATION:

P/N 1 0 0 DL - xxx G V - x

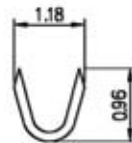
- CONNECTOR TYPE:
"DL" RIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
020
- PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE
"R" WITHOUT PAD IN TAPE & REEL

NOTE: MATES WITH 100DH HOUSING

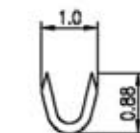
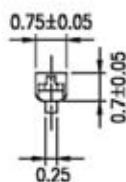
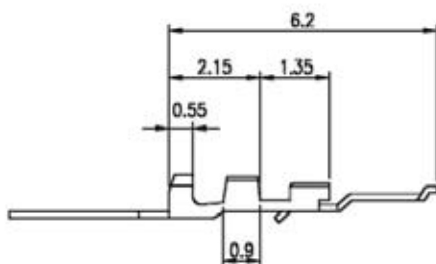
1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (C1)



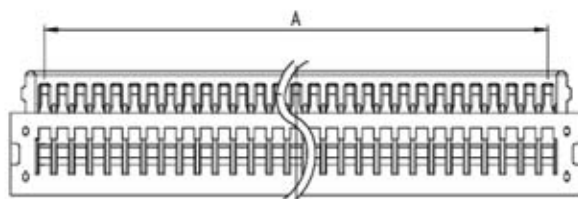
100XT-15KG



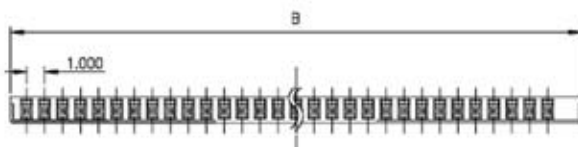
A-A SECTION



B-B SECTION



100XH-xxxHV



NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
20	19.00	23.30
30	29.00	33.30

TERMINAL

Wire Range: AWG#28~32

Material: Phos. Bronze

Thickness: 0.15mm

Plating: Gold Plated

HOUSING

Housing: NY46 UL94V-0

Shell: Copper Alloy, Tin Plated

All materials must be RoHS compliant.

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 100XT-15KG

PU= 15,000PCS/REEL

NOTE: ACCEPTS 100XH, 100XL HOUSING

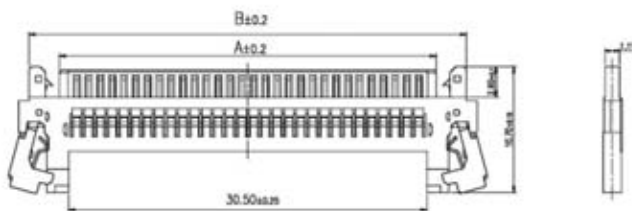
HOUSING:

P/N 100XH - xxx HV

1. NO. OF CONTACTS:
020, 030

NOTE: ACCEPTS 100XT TERMINAL

1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (C2)



100XL-030HV



MATERIALS

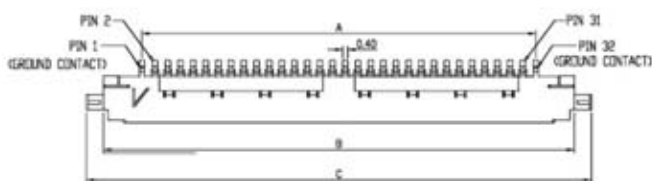
Housing: Nylon46, UL94V-0

Shell: Copper Alloy Nickel Plated

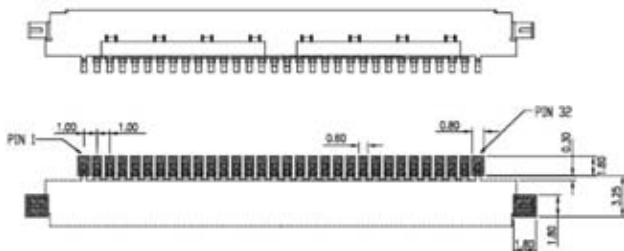
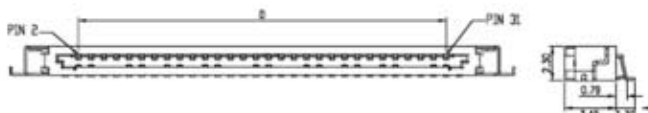
Lock Spring: Stainless Steel

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
30	31.92	36.95



100XJ-030GV



Recommended P.C.Board Layout

SPECIFICATIONS

Voltage Rating: 200V AC, DC

Current Rating: 1A AC, DC

Contact Resistance: 30mΩ Max.

Withstand Voltage: 500V AC For 1 Min.

Insulator Resistance: 100 MΩ Min.

Operating Temperature: -40°C to +80°C

MATERIALS

Housing: Thermoplastic, High Temp.

Contact: Copper Alloy, Gold Flash

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
30	31.00	37.35	40.05	29.00

ORDERING INFORMATION:

P/N 100XL-030HV

30 PIN HL TYPE HOUSING

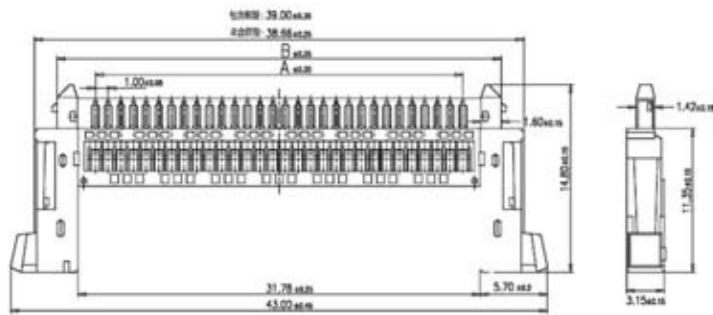
NOTE: ACCEPTS 100XT TERMINAL

P/N 100XJ-030GV

30 PIN HL TYPE WAFER

NOTE: ACCEPTS 100XL HOUSING

1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (C3)



100X5-030HB

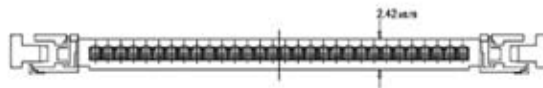
MATERIALS

Housing: Nylon46, UL94V-0

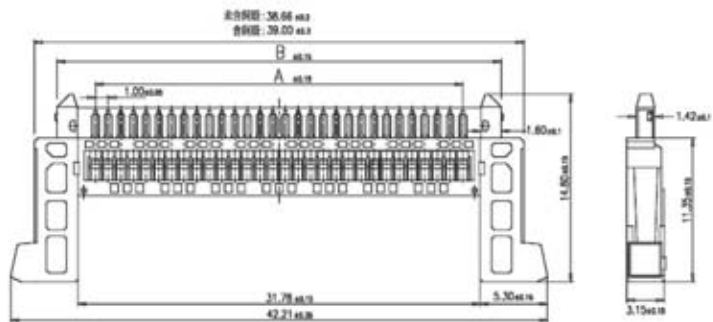
Shell: Copper Alloy, Tin Plated

Lock Spring: Stainless Steel

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
30	29.00	35.17



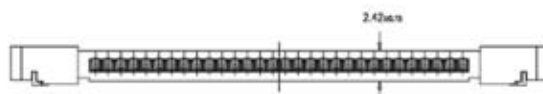
100X6-030HB

MATERIALS

Housing: Nylon46, UL94V-0

Shell: Copper Alloy, Tin Plated

All materials must be RoHS compliant.



NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
30	29.00	35.07

ORDERING INFORMATION:

P/N 100X5-030HB

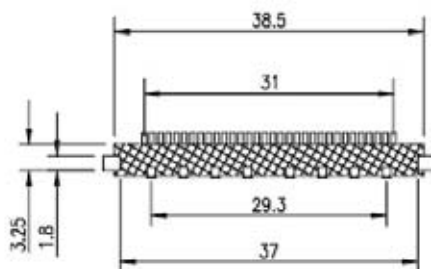
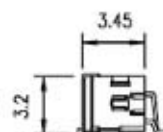
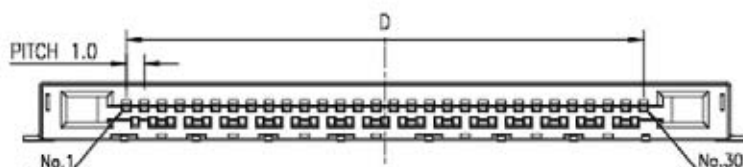
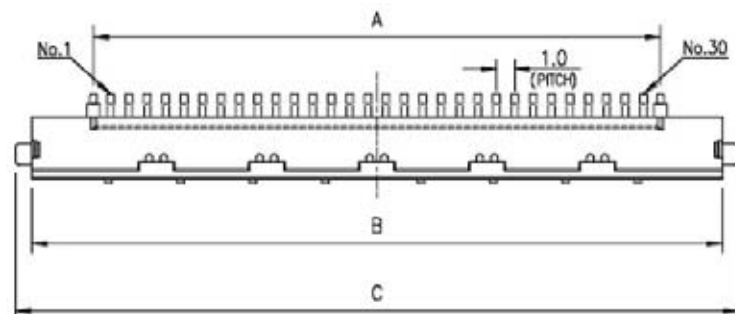
30 PIN EHL TYPE

P/N 100X6-030HB

30 PIN EH TYPE

NOTE: ACCEPTS 100XT TERMINAL

1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (C4)



Recommended P.C.Board Layout

SPECIFICATIONS

Voltage Rating: 200V AC, DC

Current Rating: 1A AC, DC

Withstand Voltage: 500V AC For 1 Min.

Contact Resistance: 40mΩ Max.

Insulator Resistance: 100MΩ Min.

Operating Temperature: -40°C to +80°C

MATERIALS

Housing: LCP, High Temp, UL94V-0, Black

Contacts: Gold Over Nickel

Soldering: Tin, Copper Over Nickel

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
30	31.00	38.20	40.00	29.00

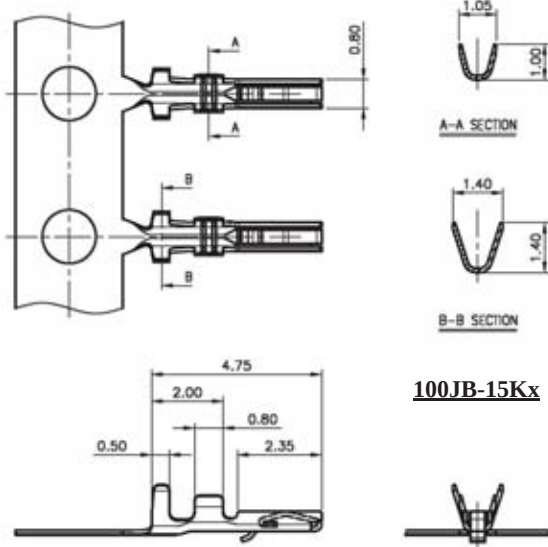
ORDERING INFORMATION:

P/N 100 X7 - 030 S B
 1 2 3

1. CONNECTOR TYPE:
"X7" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
030
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED

NOTE: MATES WITH 100X6 HOUSING

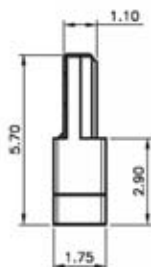
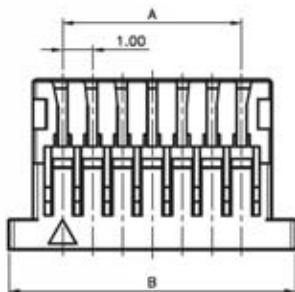
1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (D1)



100JB-15Kx



100JA-xxxHV



TERMINAL

Wire Range: AWG#28~32

Material: Phos. Bronze

Thickness: 0.12mm

Plating: Tin Plated, Gold Plated

HOUSING

Material: NY66 UL94V-0

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
02	1.0	4.6
06	5.0	8.6
07	6.0	9.6
14	13.0	16.6
16	15.0	18.6
20	19.0	22.6
22	21.0	24.6
26	25.0	28.6
30	29.0	32.6

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 100JB - $\frac{15Kx}{1} \frac{x}{2}$

1. QUALITY PER REEL:
"15K" 15,000PCS/REEL
2. CONTACT FINISH:
"G" GOLD PLATED
"T" TIN PLATED

NOTE: ACCEPTS 100JA HOUSING

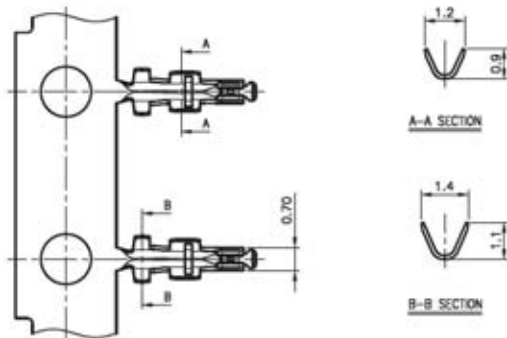
HOUSING:

P/N 100JA - $\frac{xxx}{1} HV$

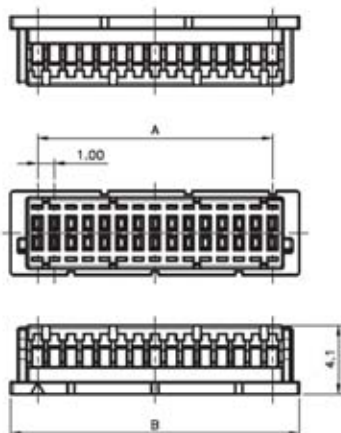
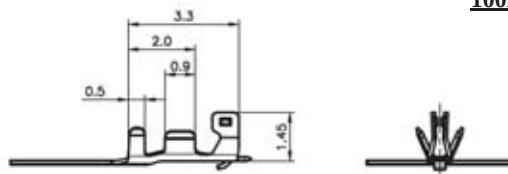
1. NO. OF CONTACTS:
002, 006, 007, 014, 016,
020, 022, 026, 030

NOTE: ACCEPTS 100JB TERMINAL

1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (E1)



100HT-10Kx



100HH-xxxHC

TERMINAL

Wire Range: AWG#28~32

Material: Phos. Bronze

Thickness: 0.15mm

Plating: Tin Plated 60u", Gold Plated

HOUSING

Material: PBT UL94V-0, Brown

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
30	14.00	17.20
40	19.00	22.20

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 100HT - $\frac{10Kx}{12}$

1. QUALITY PER REEL:
"10K" 10,000PCS/REEL
2. CONTACT FINISH:
"G" GOLD PLATED
"T" TIN PLATED

NOTE: ACCEPTS 100HH HOUSING

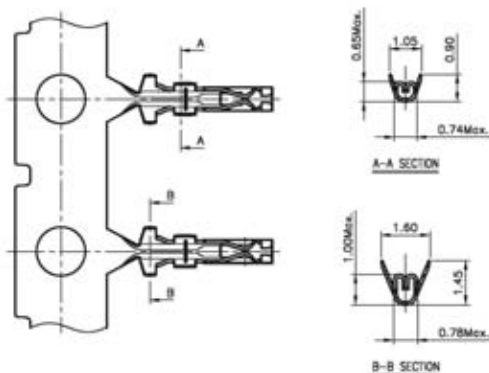
HOUSING:

P/N 100HH - $\frac{xxxHC}{12}$

1. NO. OF CONTACTS:
030, 040
2. HOUSING COLOR:
"C" BROWN

NOTE: ACCEPTS 100HT TERMINAL

1.00MM(0.039") SPACING WIRE-TO-BOARD SYSTEM (F1)



100CT-15KG

TERMINAL

Wire Range: AWG#28~32

Material: Phos. Bronze

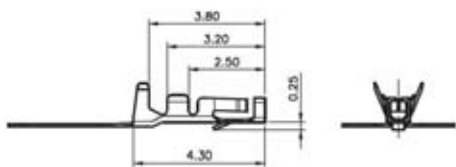
Thickness: 0.10mm

Plating: Gold Plated

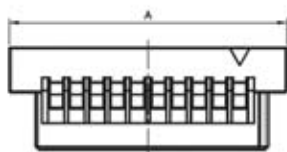
HOUSING

Housing: NY46 UL94V-0, White

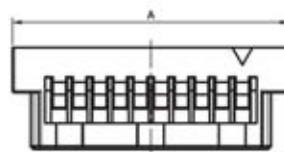
All materials must be RoHS compliant.



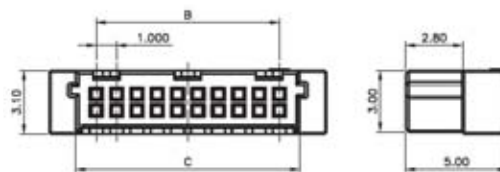
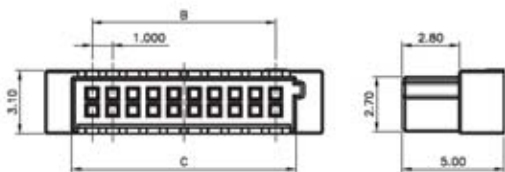
NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
30	18.60	14.00	16.00
40	23.60	19.00	21.00



100CH-xxxHW



100CK-xxxHW



ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 100CT - $\frac{15KG}{2}$

1. QUALITY PER REEL:
"15K" 15,000PCS/REEL
2. CONTACT FINISH:
"G" GOLD PLATED

NOTE: ACCEPTS 100CH & 100CK HOUSING

HOUSING:

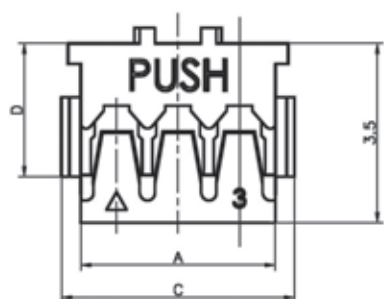
P/N 100CH - $\frac{xxxHW}{1}$

P/N 100CK - $\frac{xxxHW}{1}$

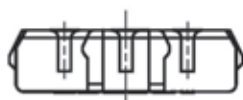
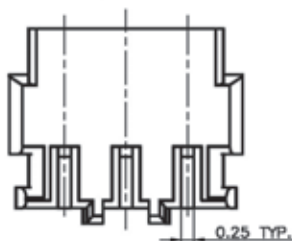
1. NO. OF CONTACTS:
030, 040

NOTE: ACCEPTS 100CT TERMINAL

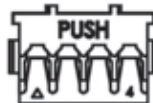
1.20MM WIRE-TO-BOARD CONNECTOR SYSTEM (A1)



SECTION A-A



120JH-002HB



120JH-004HB

SPECIFICATIONS

Voltage Rating: 50V AC/DC

Current Rating:

2A/2,3-Circuit (AWG#28)AC/DC

1.5A/4-Circuit (AWG#28)AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Bass: PA66, UL94V-0

Contact: Brass, Gold Plated

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
02	2.60	-	3.35	2.60
03	3.80	2.40	4.55	2.60
04	5.00	3.60	5.75	2.30

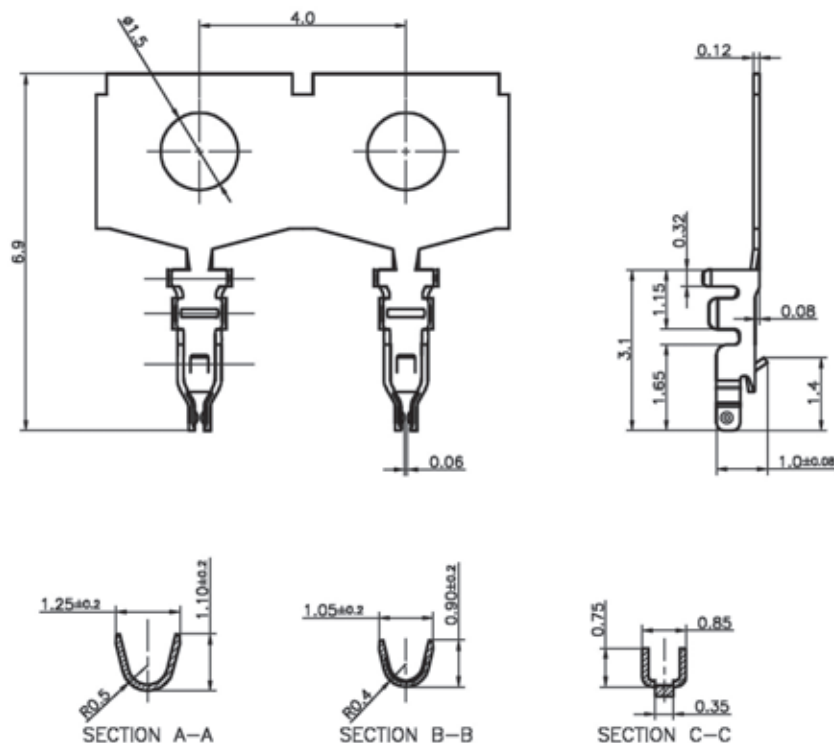
ORDERING INFORMATION:

P/N 1 2 0 J H - x x x H B
1 2

- CONNECTOR TYPE:
"JH" WIRE TO BOARD TYPE HOUSING
- NO. OF CONTACTS:
002, 003, 004

NOTE: ACCEPTS 120JT TERMINAL

1.20MM WIRE-TO-BOARD CONNECTOR SYSTEM (A2)



SPECIFICATIONS

Voltage Rating: 50V AC/DC

Current Rating:

2A/2,3-Circuit (AWG#28)AC/DC

1.5A/4-Circuit (AWG#28)AC/DC

1A/2~4-Circuit (AWG#30)AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 10mΩ Max

Applicable Wire: AWG#28~30

Material: Phos. Bronze

All materials must be RoHS compliant.

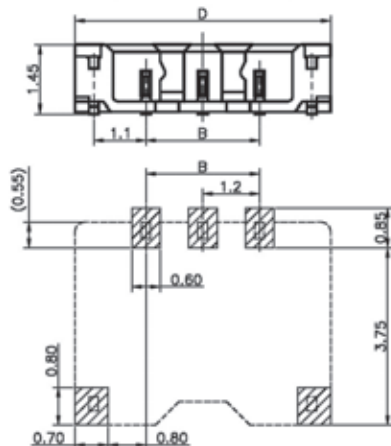
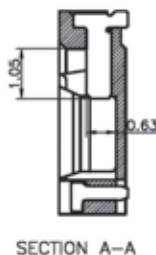
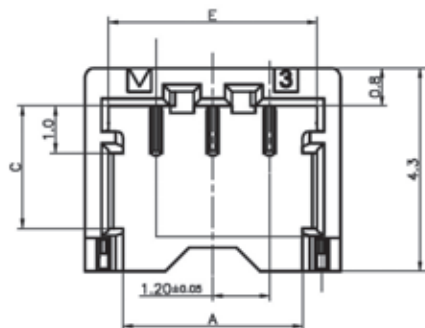
ORDERING INFORMATION:

P/N 1 2 0 J T - $\frac{20K}{1} \frac{x}{2}$

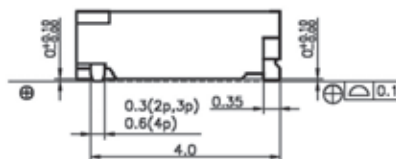
1. PACKING UNIT:
"20K" 20,000PCS/REEL
2. CONTACT FINISH:
"T" TIN PLATED
"G" GOLD PLATED

NOTE: ACCEPTS 120JH HOUSING

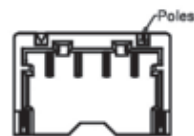
1.20MM WIRE-TO-BOARD CONNECTOR SYSTEM (A3)



Recommended P.C.Board Layout



120JS-002xV



120JS-004xV

SPECIFICATIONS

Voltage Rating: 50V AC/DC

Current Rating:

2A/2,3-Circuit (AWG#28)AC/DC

1.5A/4-Circuit (AWG#28)AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -25°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Bass: PA9T, UL94V-0

Contact: Copper Alloy, Gold Plated

Solder Tab: Copper Alloy, Tin Plated

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)				
	A	B	C	D	E
02	2.60	-	2.60	4.20	3.20
03	3.80	2.40	2.60	5.40	4.40
04	5.00	3.60	2.30	6.60	5.60

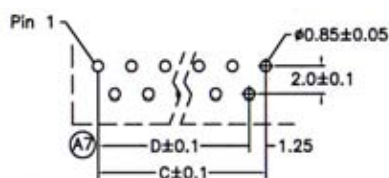
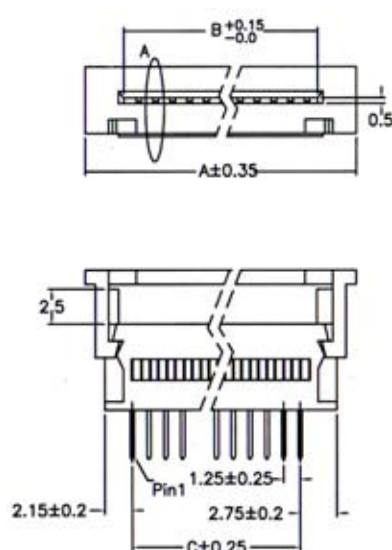
ORDERING INFORMATION:

P/N 1 2 0 JS - $\frac{x}{1}$ $\frac{x}{2}$ $\frac{x}{3}$ G V - $\frac{R}{4}$

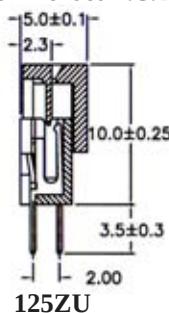
- CONNECTOR TYPE:
"JS" SMT TYPE
- NO. OF CONTACTS:
002, 003, 004
- CONTACT FINISH:
"G" FULL GOLD PLATED
- PACKAGE TYPE:
"R" TAPE & REEL

NOTE: MATES WITH 120JH HOUSING

1.25MM(0.049") FFC/FPC ZIF CONNECTOR DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V DC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Glass, UL94V-0

P.B.T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

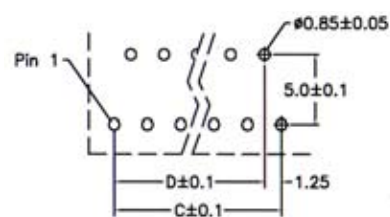
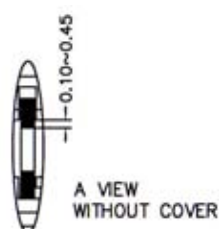
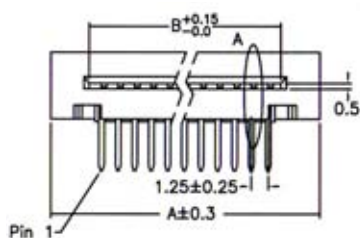
DIMENSIONS:

A = No. of Contacts/Row x 1.25 + 5.7

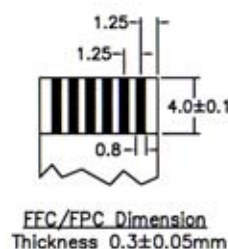
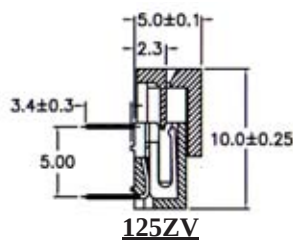
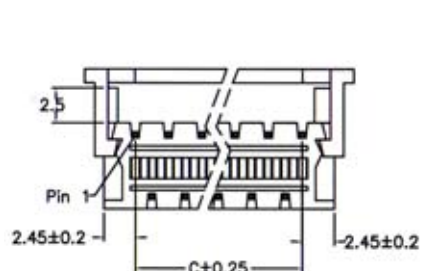
B = No. of Contacts/Row x 1.25 + 1.57

C = No. of Contacts/Row x 1.25 - 1.25

D = No. of Contacts/Row x 1.25 - 1.25



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 5 $\frac{x}{1}$ - $\frac{x}{2}$ T W - $\frac{x}{3}$

1. TERMINAL TYPE:

"ZU" STRAIGHT TYPE (TOP ENTRY)

"ZV" RIGHT ANGLE TYPE (SIDE ENTRY)

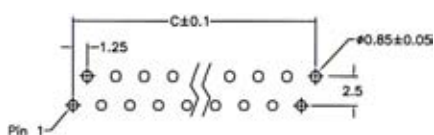
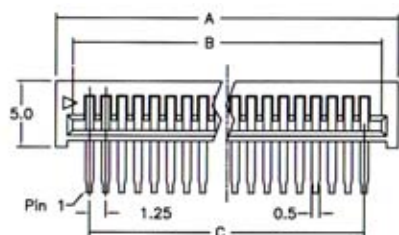
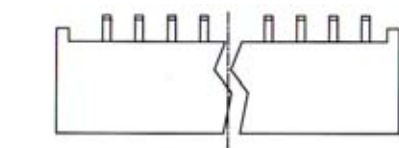
2. NO. OF CONTACTS:

003 ~ 040

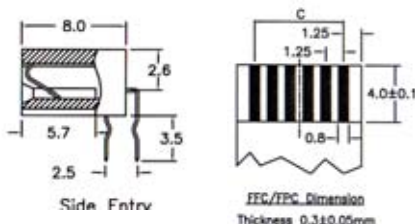
3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

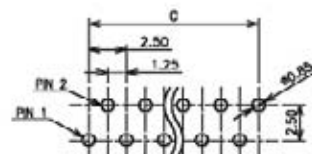
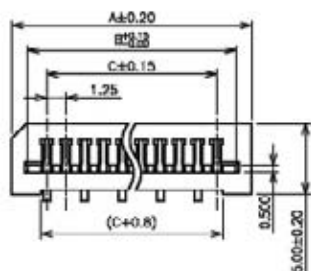
1.25MM(0.049") FFC/FPC NON-ZIF CONNECTOR DIP TYPE



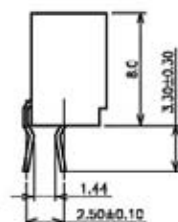
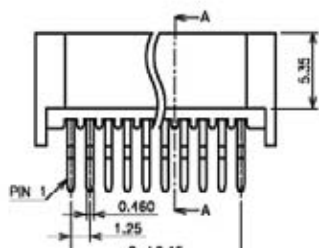
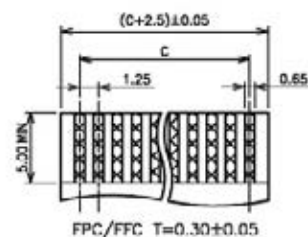
Recommended P.C.Board Layout



125FH



Recommended P.C.Board Layout



125FE

DIMENSIONS:

A = (No. of Contacts x 1.25) + 3.4

B = (No. of Contacts x 1.25) + 1.3

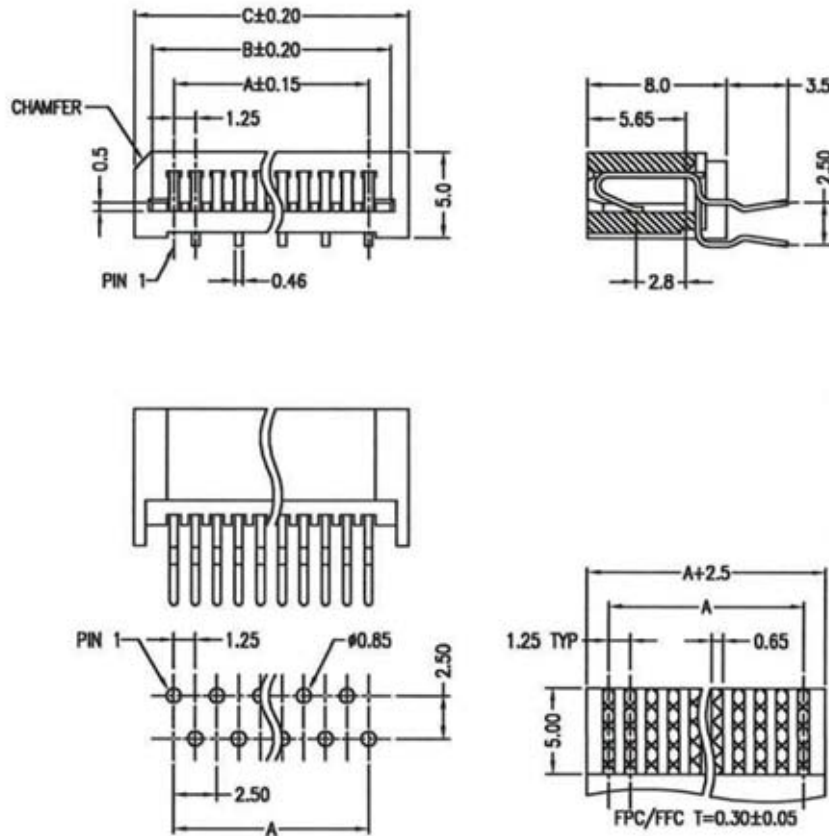
C = (No. of Contacts x 1.25) - 1.25

ORDERING INFORMATION:

P/N 1 2 5 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ T B - $\frac{x}{4}$

1. TERMINAL TYPE:
"FE" STRAIGHT TYPE(TOP ENTRY)
"FH" RIGHT ANGLE TYPE(SIDE ENTRY)
2. NO. OF CONTACTS:
003 ~ 036
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.25MM(0.049") FPC/FFC NON-ZIF TOP ENTRY INVERSE SINGLE CONTACT DIP TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1 A

Voltage Rating: 250 VAC

Contact Resistance: 25mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

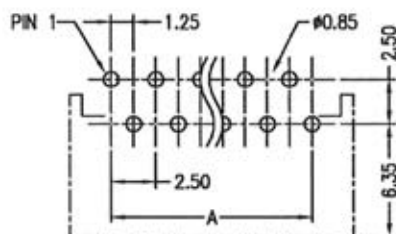
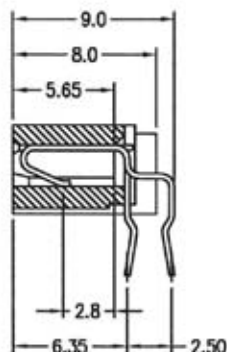
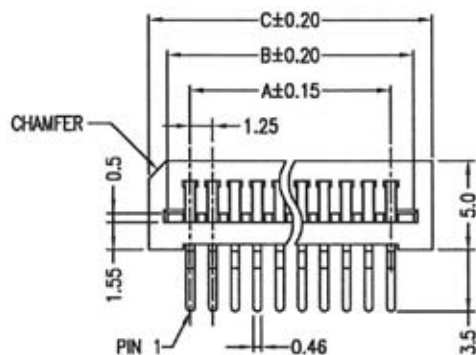
NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	12.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90

ORDERING INFORMATION:

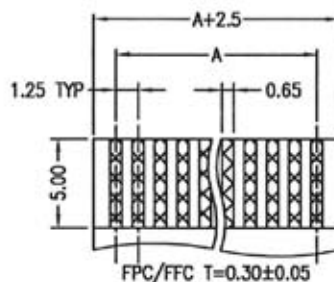
P/N 1 2 5 FF - xxx T B - T
1 2 3 4

- CONTACT TYPE:
"FF" TOP ENTRY TYPE
- NO. OF CONTACTS:
004 ~ 030
- CONTACT FINISH:
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.25MM(0.049") FPC/FFC NON-ZIF SIDE ENTRY INVERSE SINGLE CONTACT DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Voltage Rating: 250 VAC

Contact Resistance: 25mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

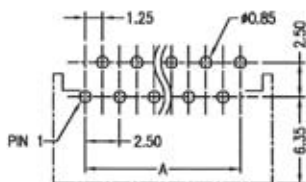
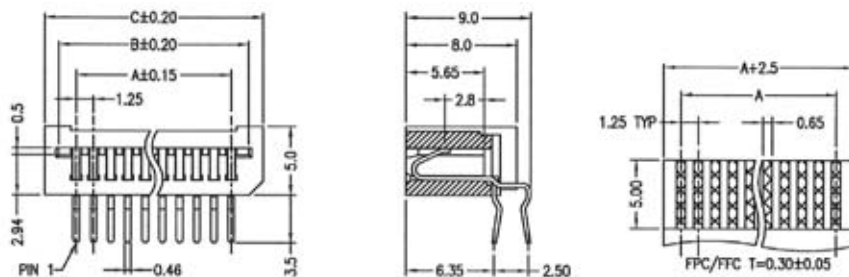
NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	12.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90

ORDERING INFORMATION:

P/N 1 2 5 F J - x x x T B - T
1 2 3 4

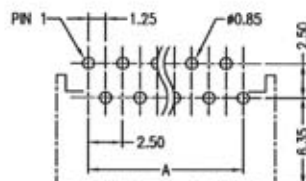
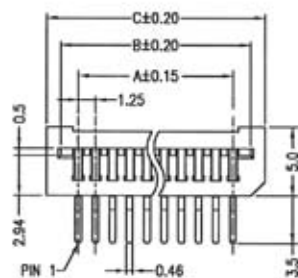
- CONTACT TYPE:
"FJ" SIDE ENTRY TYPE
- NO. OF CONTACTS:
004 ~ 030
- CONTACT FINISH:
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.25MM(0.049") FPC/FFC NON-ZIF SIDE ENTRY SINGLE CONTACT DIP TYPE



Recommended P.C.Board Layout

125FK



Recommended P.C.Board Layout

125FL

SPECIFICATIONS

Current Rating: 1 A

Voltage Rating: 250 VAC

Contact Resistance: 25mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Phosphor Bronze

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	12.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90

ORDERING INFORMATION:

P/N 1 2 5 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{T}{3}$ B - $\frac{T}{4}$

1. PCB LAYOUT OPTION:

"FK" STANDARD TYPE

"FL" INVERSE TYPE

2. NO. OF CONTACTS:

004 ~ 030

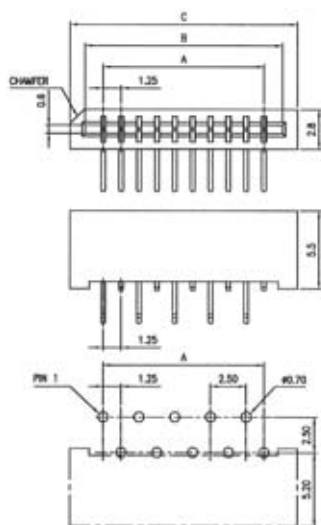
3. CONTACT FINISH:

"T" FULL TIN PLATED

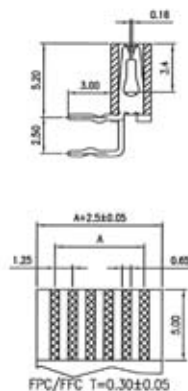
4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

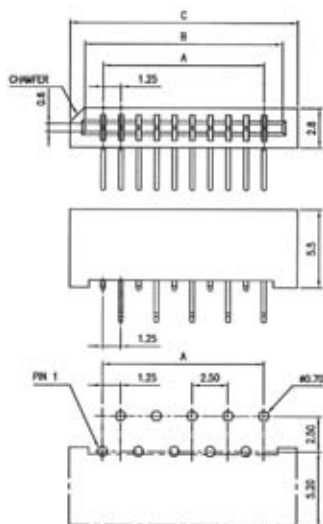
1.25MM(0.049") FPC/FFC NON-ZIF SIDE ENTRY DOUBLE CONTACT DIP TYPE



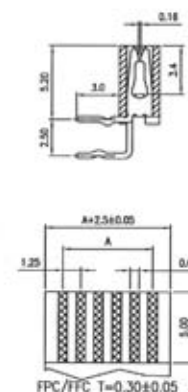
Recommended P.C.Board Layout



125FQ



Recommended P.C.Board Layout



125FR

SPECIFICATIONS

Current Rating: 0.5 A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
03	2.50	5.05	7.15
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	12.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90

ORDERING INFORMATION:

P/N 1 2 5 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{T}{3}$ B - $\frac{T}{4}$

1. PCB LAYOUT OPTION:

"FQ" INVERSE TYPE

"FR" STANDARD TYPE

2. NO. OF CONTACTS:

004 ~ 030

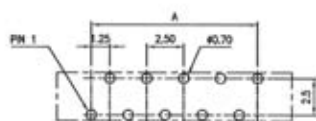
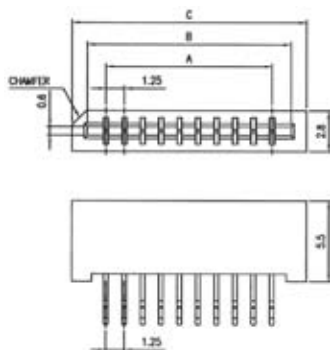
3. CONTACT FINISH:

"T" FULL TIN PLATED

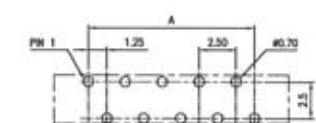
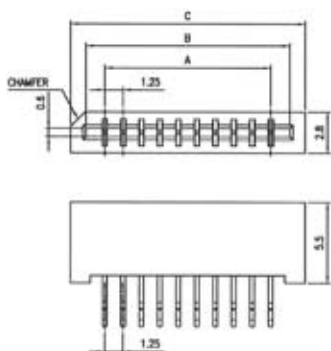
4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

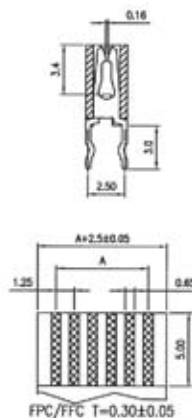
1.25MM(0.049") FPC/FFC NON-ZIF TOP ENTRY DOUBLE CONTACT DIP TYPE



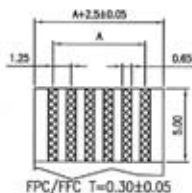
Recommended P.C.Board Layout



Recommended P.C.Board Layout



125FS



125FT

SPECIFICATIONS

Current Rating: 0.5 A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
03	2.50	5.05	7.15
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	12.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90

ORDERING INFORMATION:

P/N 1 2 5 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{T}{3}$ B - $\frac{T}{4}$

1. PCB LAYOUT OPTION:

"FS" STANDARD TYPE

"FT" INVERSE TYPE

2. NO. OF CONTACTS:

004 ~ 030

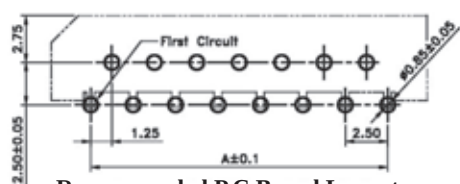
3. CONTACT FINISH:

"T" FULL TIN PLATED

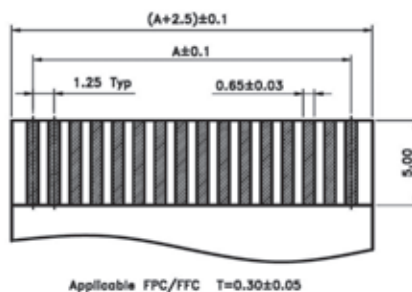
4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

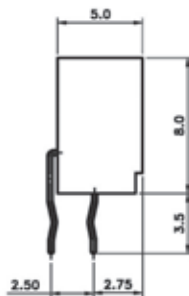
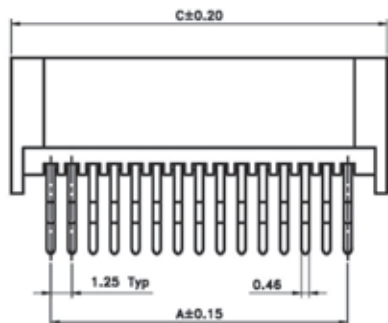
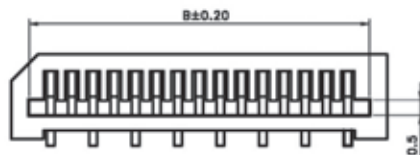
1.25MM FFC/FPC NON-ZIF CONNECOTR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
(Top View)



Applicable FPC/FFC T=0.30±0.05



SPECIFICATIONS

Voltage Rating: 250V AC/DC

Current Rating: 1A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 1000MΩ Min.

Temperature Range: -55°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Base: PBT, UL94V-0

Contact: Phos. Bronze, Tin Plated

All materials must be RoHS compliant.

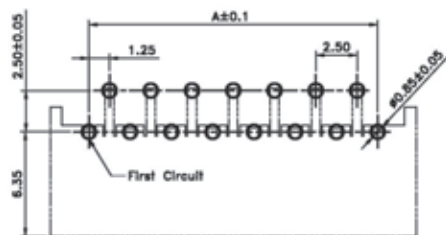
NO. OF CONTACTS	DIMENSIONS(MM)			NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C		A	B	C
04	3.75	6.30	8.40	18	21.25	23.80	25.90
05	5.00	7.55	9.65	19	22.50	25.05	27.15
06	6.25	8.80	10.90	20	23.75	26.30	28.40
07	7.50	10.05	12.15	21	25.00	27.55	29.65
08	8.75	11.30	13.40	22	26.25	28.80	30.90
09	10.00	12.55	14.65	23	27.50	30.05	32.15
10	11.25	13.80	15.90	24	28.75	31.30	33.40
11	12.50	15.05	17.15	25	30.00	32.55	34.65
12	13.75	16.30	18.40	26	31.25	33.80	35.90
13	15.00	17.55	19.65	27	32.50	35.05	37.15
14	16.25	18.80	20.90	28	33.75	36.30	38.40
15	17.50	20.05	22.15	29	35.00	37.55	39.65
16	18.75	21.30	23.40	30	36.25	38.80	40.90
17	20.00	22.55	24.65				

ORDERING INFORMATION:

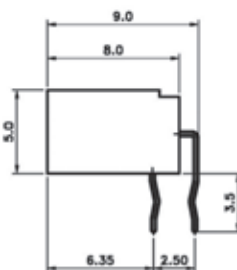
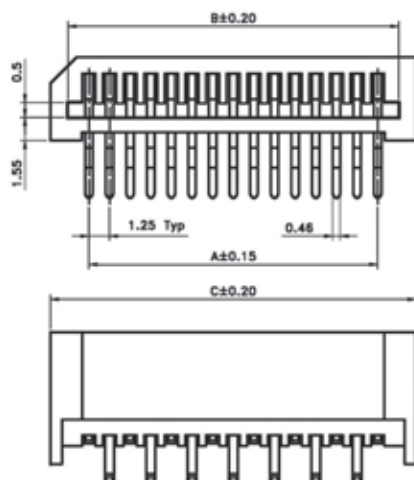
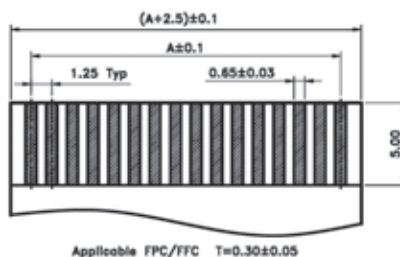
P/N 1 2 5 FM - xxx T B - T
 1 2 3

- CONNECTOR TYPE:
"FM" STRAIGHT DIP TYPE
- NO. OF CONTACTS:
004 ~ 030
- PACKAGE TYPE:
"T" TUBE

1.25MM FFC/FPC NON-ZIF CONNECOTR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
(Top View)



NO. OF CONTACTS	DIMENSIONS(MM)			NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C		A	B	C
04	3.75	6.30	8.40	18	21.25	23.80	25.90
05	5.00	7.55	9.65	19	22.50	25.05	27.15
06	6.25	8.80	10.90	20	23.75	26.30	28.40
07	7.50	10.05	12.15	21	25.00	27.55	29.65
08	8.75	11.30	13.40	22	26.25	28.80	30.90
09	10.00	12.55	14.65	23	27.50	30.05	32.15
10	11.25	13.80	15.90	24	28.75	31.30	33.40
11	12.50	15.05	17.15	25	30.00	32.55	34.65
12	13.75	16.30	18.40	26	31.25	33.80	35.90
13	15.00	17.55	19.65	27	32.50	35.05	37.15
14	16.25	18.80	20.90	28	33.75	36.30	38.40
15	17.50	20.05	22.15	29	35.00	37.55	39.65
16	18.75	21.30	23.40	30	36.25	38.80	40.90
17	20.00	22.55	24.65				

SPECIFICATIONS

Voltage Rating: 250V AC/DC

Current Rating: 1A AC/DC

Withstanding Voltage: 500V AC/Minute

Insulation Resistance: 1000MΩ Min.

Temperature Range: -55°C to +85°C

Contact Resistance: 20mΩ Max

MATERIAL

Base: PBT, UL94V-0

Contact: Phos. Bronze, Tin Plated

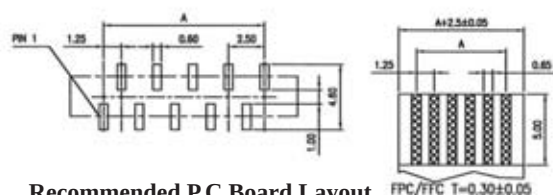
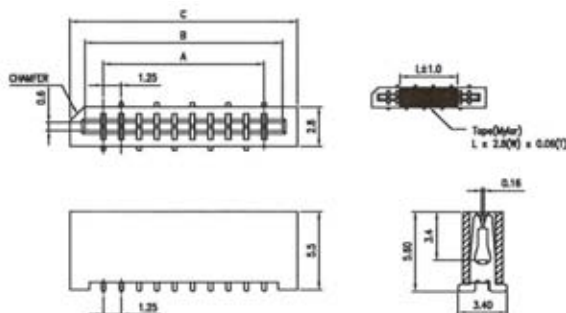
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 5 FN - xxx T B - T

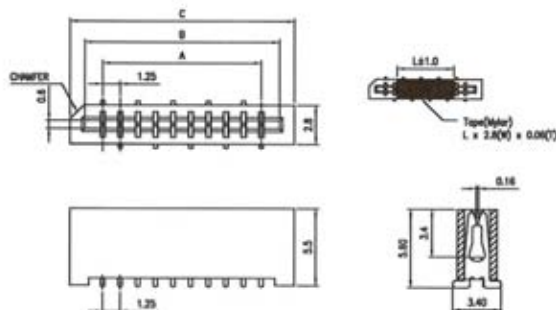
- CONNECTOR TYPE:
"FN" RIGHT ANGLE DIP TYPE
- NO. OF CONTACTS:
004 ~ 030
- PACKAGE TYPE:
"T" TUBE

1.25MM(0.049") FPC/FFC NON-ZIF TOP ENTRY DOUBLE CONTACT SMT TYPE

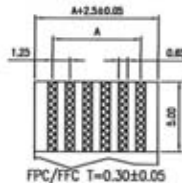


Recommended P.C.Board Layout

125FA



Recommended P.C.Board Layout



125FB

SPECIFICATIONS

Current Rating: 0.5 A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	L
03	2.50	5.05	7.15	4.0
04	3.75	6.30	8.40	
05	5.00	7.55	9.65	
06	6.25	8.80	10.90	
07	7.50	10.05	12.15	8.0
08	8.75	11.30	13.40	
09	10.00	12.55	14.65	
10	11.25	13.80	15.90	
11	12.50	15.05	17.15	
12	13.75	16.30	18.40	
13	15.00	17.55	19.65	12.0
14	16.25	18.80	20.90	
15	17.50	20.05	22.15	
16	18.75	21.30	23.40	
17	20.00	22.55	24.65	
18	21.25	23.80	25.90	
19	22.50	25.05	27.15	
20	23.75	26.30	28.40	
21	25.00	27.55	29.65	
22	26.25	28.80	30.90	
23	27.50	30.05	32.15	
24	28.75	31.30	33.40	
25	30.00	32.55	34.65	
26	31.25	33.80	35.90	
27	32.50	35.05	37.15	
28	33.75	36.30	38.40	
29	35.00	37.55	39.65	
30	36.25	38.80	40.90	

ORDERING INFORMATION:

P/N 1 2 5 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{T}{3}$ B - $\frac{x}{4}$

1. PCB LAYOUT OPTION:

"FA" NORMAL TYPE

"FB" INVERSE TYPE

2. NO. OF CONTACTS:

004 ~ 030

3. CONTACT FINISH:

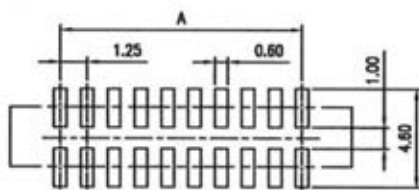
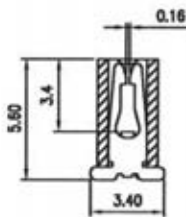
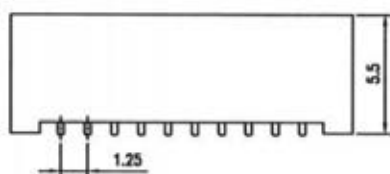
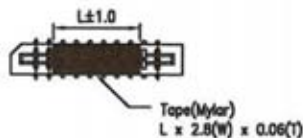
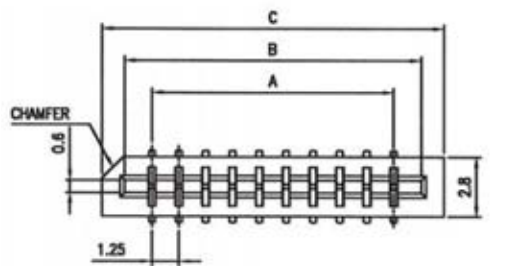
"T" FULL TIN PLATED

4. PACKAGE OPTION:

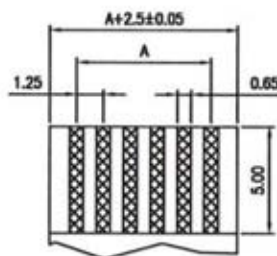
"T" W/O FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

1.25MM(0.049") FPC/FFC NON-ZIF TOP ENTRY DOUBLE CONTACT SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

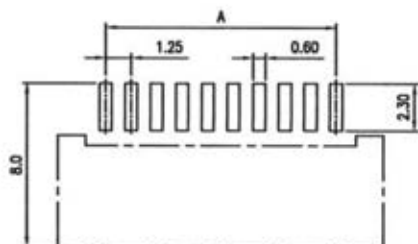
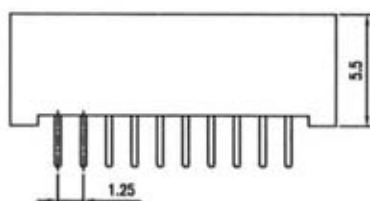
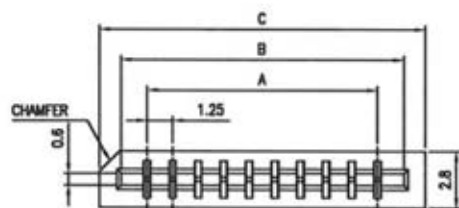
NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	L
03	2.50	5.05	7.15	4.0
04	3.75	6.30	8.40	
05	5.00	7.55	9.65	
06	6.25	8.80	10.90	
07	7.50	10.05	12.15	8.0
08	8.75	11.30	13.40	
09	10.00	12.55	14.65	
10	11.25	13.80	15.90	
11	12.50	15.05	17.15	
12	13.75	16.30	18.40	
13	15.00	17.55	19.65	12.0
14	16.25	18.80	20.90	
15	17.50	20.05	22.15	
16	18.75	21.30	23.40	
17	20.00	22.55	24.65	
18	21.25	23.80	25.90	
19	22.50	25.05	27.15	
20	23.75	26.30	28.40	
21	25.00	27.55	29.65	
22	26.25	28.80	30.90	
23	27.50	30.05	32.15	
24	28.75	31.30	33.40	
25	30.00	32.55	34.65	
26	31.25	33.80	35.90	
27	32.50	35.05	37.15	
28	33.75	36.30	38.40	
29	35.00	37.55	39.65	
30	36.25	38.80	40.90	

ORDERING INFORMATION:

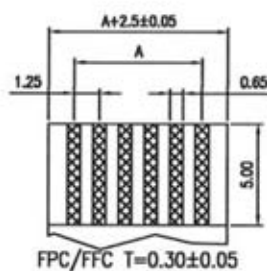
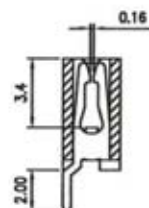
P/N 1 2 5 FC - x x x T B - x
1 2 3 4

- CONTACT TYPE:
"FC" TOP ENTRY TYPE
- NO. OF CONTACTS:
003 ~ 030
- CONTACT FINISH:
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" W/O FILM IN TUBE
"G" WITH FILM IN TAPE & REEL

1.25MM(0.049") FPC/FFC NON-ZIF SIDE ENTRY DOUBLE CONTACT SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 A

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: Glass-Reinforced Thermoplastic

Contact: Copper Alloy

All materials must be RoHS compliant.

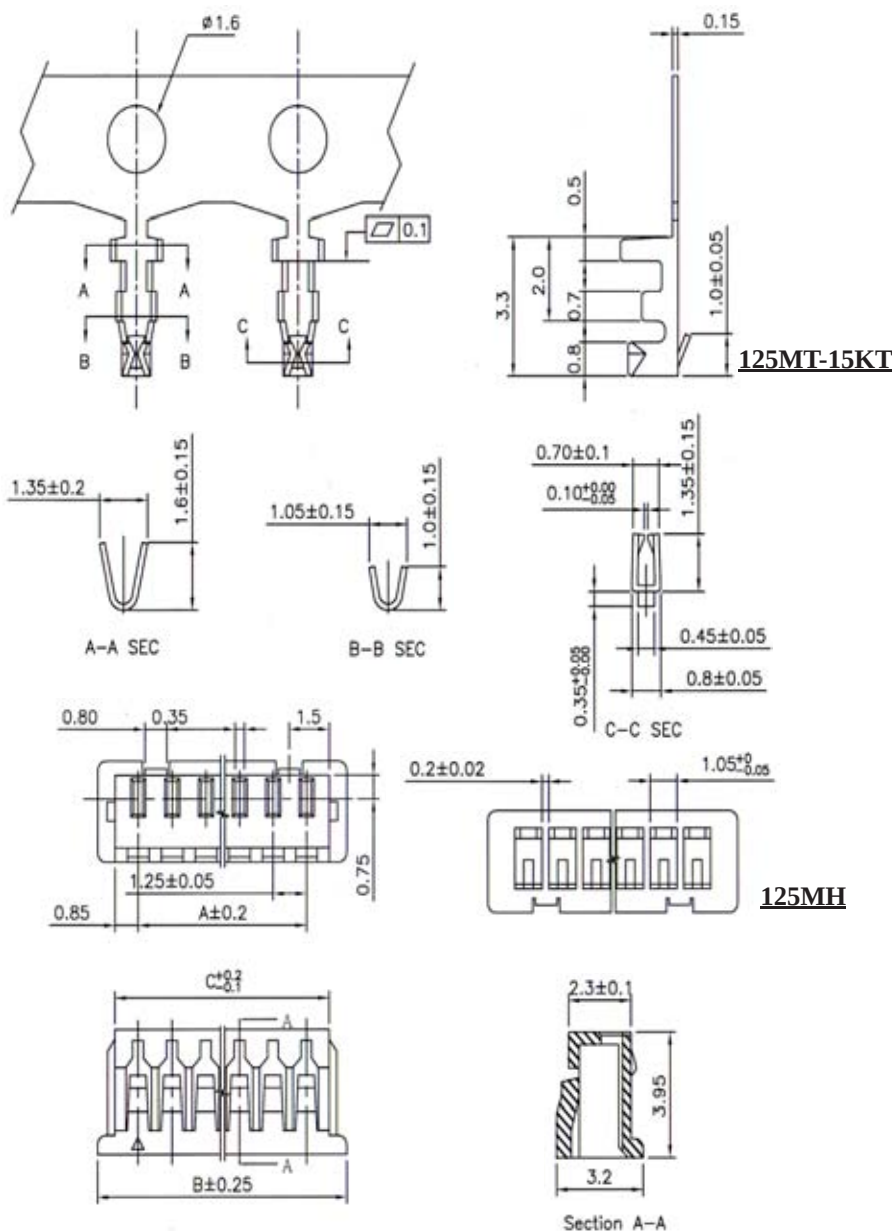
NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
03	2.50	5.05	7.15
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	12.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90

ORDERING INFORMATION:

P/N 1 2 5 FD - x x x T B - x
1 2 3 4

- CONTACT TYPE:
"FD" SIDE ENTRY TYPE
- NO. OF CONTACTS:
003 ~ 030
- CONTACT FINISH:
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" W/O FILM IN TUBE
"R" W/O FILM IN TAPE & REEL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (A1)



TERMINAL

Applicable Wires: AWG# 28-32

Material: Phosphor Bronze

Finish: Tin Plated

Thickness: 0.15mm

HOUSING

Insulator: Nylon 66, UL94V-0

All materials must be RoHS compliant.

125MH

No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.25	4.25	2.95
03	2.50	5.50	4.20
04	3.75	6.75	5.45
05	5.00	8.00	6.70
06	6.25	9.25	7.95
07	7.50	10.50	9.20
08	8.75	11.75	10.45
09	10.00	13.00	11.70
10	11.25	14.25	12.95
11	12.50	15.50	14.20
12	13.75	16.75	15.45
13	15.00	18.00	16.70
14	16.25	19.25	17.90
15	17.50	20.50	19.20

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 125MT-15KT

PU= 15.000PCS/REEL

NOTE: ACCEPTS 125MH HOUSING

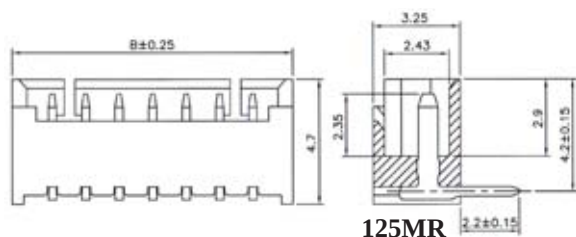
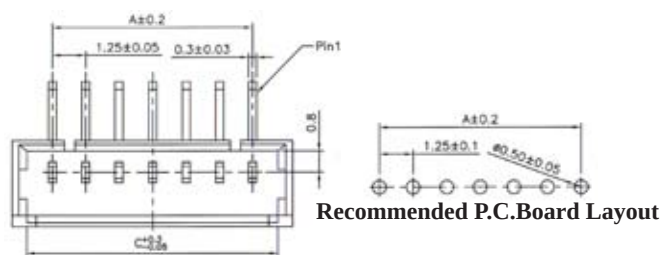
HOUSING:

P/N 125MH - xxxHV
1

1. NO. OF CONTACTS:
002 ~ 015

NOTE: ACCEPTS 125MT TERMINAL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (A2)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 250V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 85°C

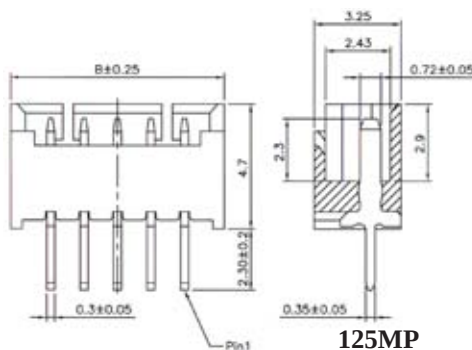
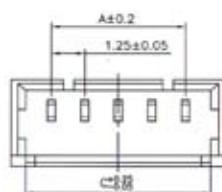
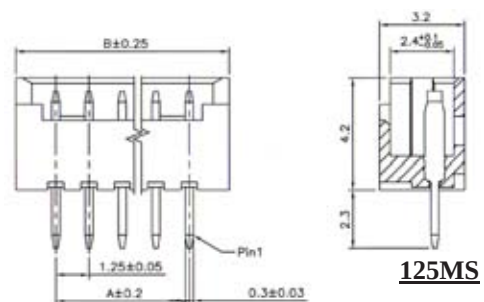
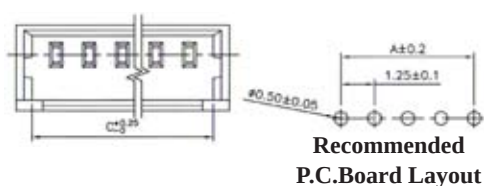
MATERIALS

Insulator: UL94V-0

Nylon 66

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.25	4.25	3.05
03	2.50	5.50	4.30
04	3.75	6.75	5.55
05	5.00	8.00	6.80
06	6.25	9.25	8.05
07	7.50	10.50	9.30
08	8.75	11.75	10.55
09	10.00	13.00	11.80
10	11.25	14.25	13.05
11	12.50	15.50	14.30
12	13.75	16.75	15.55
13	15.00	18.00	16.80
14	16.25	19.25	18.05
15	17.50	20.50	19.30

ORDERING INFORMATION:

P/N 1 2 5 xx - xxx T V
1 2

1. TERMINAL TYPE:

"MR" RIGHT ANGLE TYPE

"MS" STRAIGHT TYPE I

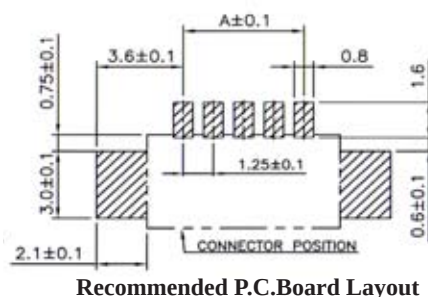
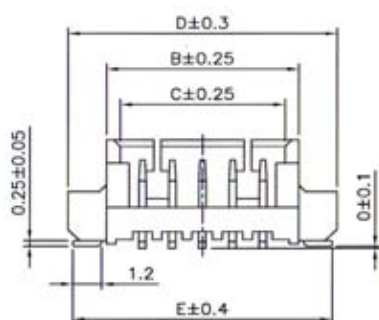
"MP" STRAIGHT TYPE II

2. NO. OF CONTACTS:

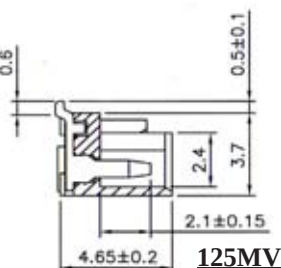
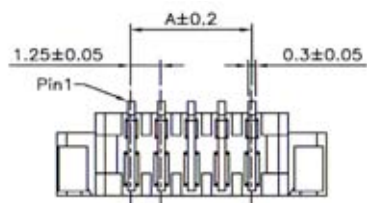
002 ~ 015

NOTE: MATES WITH 125MH HOUSING

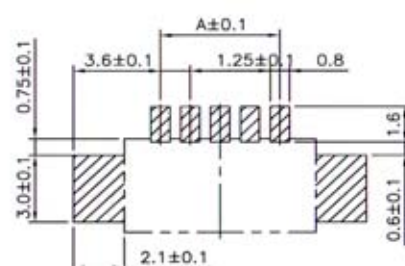
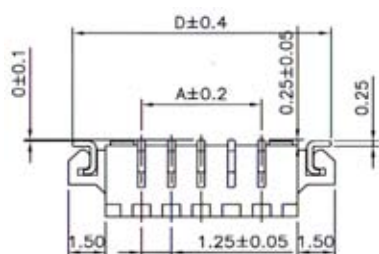
1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (A3)



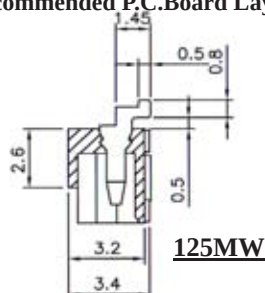
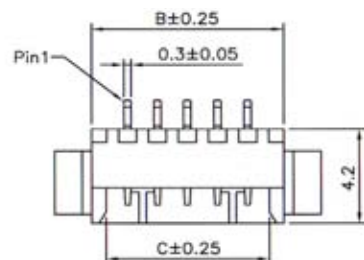
Recommended P.C.Board Layout



125MW



Recommended P.C.Board Layout



125MW

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 100V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to + 85°C

MATERIALS

Insulator: UL94V-0

Nylon 46

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
02	1.25	4.25	3.05	7.65	7.25
03	2.50	5.50	4.30	8.90	8.50
04	3.75	6.75	5.55	10.15	9.75
05	5.00	8.00	6.80	11.40	11.00
06	6.25	9.25	8.05	12.65	12.25
07	7.50	10.50	9.30	13.90	13.50
08	8.75	11.75	10.55	15.15	14.75
09	10.00	13.00	11.80	16.40	16.00
10	11.25	14.25	13.05	17.65	17.25
11	12.50	15.50	14.30	18.90	18.50
12	13.75	16.75	15.55	20.15	19.75
13	15.00	18.00	16.80	21.40	21.00
14	16.25	19.25	18.05	22.65	22.25
15	17.50	20.50	19.30	23.90	23.50

ORDERING INFORMATION:

P/N 1 2 5 $\frac{x}{1}$ $\frac{x}{2}$ T V - $\frac{x}{3}$

1. TERMINAL TYPE:

"MV" STRAIGHT SMT TYPE

"MW" RIGHT ANGLE SMT TYPE

2. NO. OF CONTACTS:

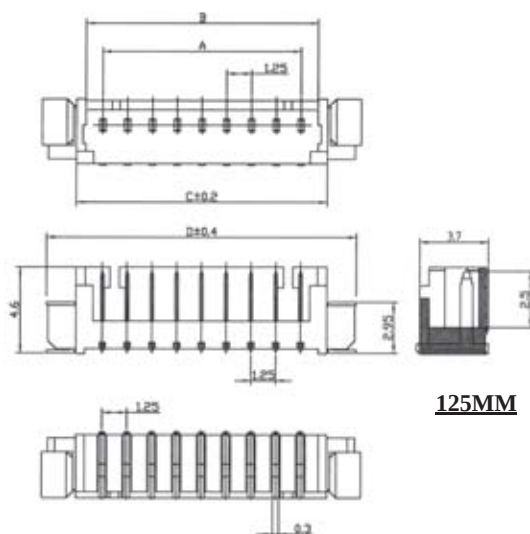
002 ~ 015

3. PACKAGE TYPE:

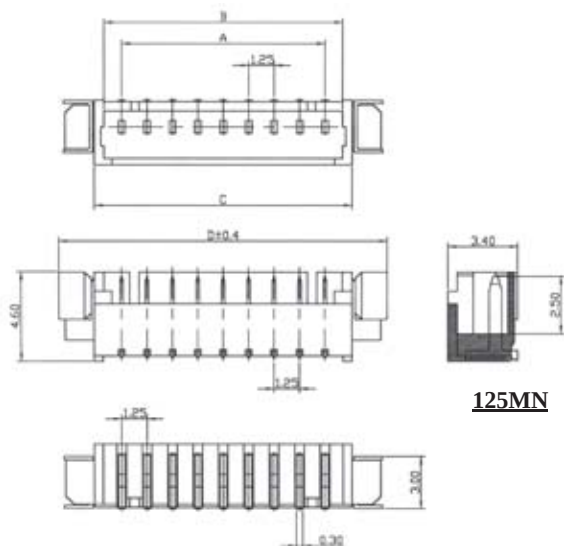
"R" W/O PAD IN TAPE & REEL

NOTE: MATES WITH 125MH HOUSING

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (A4)



125MM



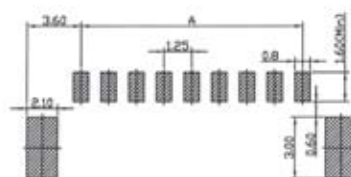
125MN

MATERIALS

Wafer: NY46 UL94V-0

Pin: Brass, Tin Over Nickel Plated

All materials must be RoHS compliant.



Recommended P.C.Board Layout

NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
02	1.25	3.05	4.25	7.65
03	2.50	4.30	5.50	8.90
04	3.75	5.55	6.75	10.15
05	5.00	6.80	8.00	11.40
06	6.25	8.05	9.25	12.65
07	7.50	9.30	10.50	13.90
08	8.75	10.55	11.75	15.15
09	10.00	11.80	13.00	16.40
10	11.25	13.05	14.25	17.65
11	12.50	14.30	15.50	18.90
12	13.75	15.55	16.75	20.15
13	15.00	16.80	18.00	21.40
14	16.25	18.05	19.25	22.65
15	17.50	19.30	20.50	23.90

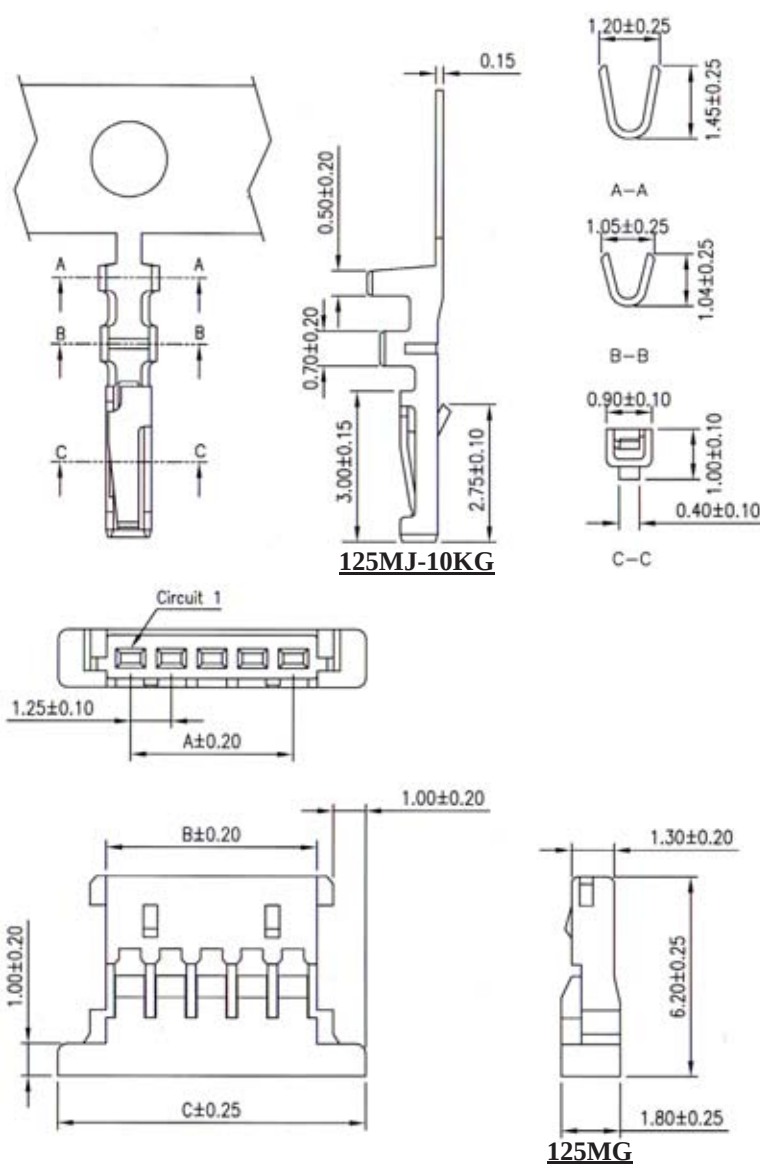
ORDERING INFORMATION:

P/N 1 2 5 $\frac{xx}{1} - \frac{xxx}{2} T V - \frac{x}{3}$

1. TERMINAL TYPE:
"MM" STRAIGHT SMT TYPE
"MN" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
002 ~ 015
3. PACKAGE TYPE:
"Q" WITH PAD IN TAPE & REEL (FOR 125MM)
"R" WITHOUT PAD IN TAPE & REEL (FOR 125MN)

NOTE: MATES WITH 125MH HOUSING

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (B1)



TERMINAL

Accepts AWG# 28-32 Wire Range

Insulation O.D.: 1.00mm(max)

Material: Phosphor Bronze

Finish: Gold Plated

Thickness: 0.15mm

HOUSING

Insulator: Nylon 66, UL94V-0

All materials must be RoHS compliant.

125MG

No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.25	2.72	5.72
03	2.50	3.97	6.97
04	3.75	5.22	8.22
05	5.00	6.47	9.47
06	6.25	7.72	10.72
07	7.50	8.97	11.97
08	8.75	10.22	13.22
09	10.00	11.47	14.47
14	16.25	17.72	20.72
15	17.50	18.97	21.97
20	23.75	25.22	28.22
30	36.25	37.72	40.72

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 125MJ-15KG

PU= 15.000PCS/REEL

NOTE: ACCEPTS 125MG HOUSING

HOUSING:

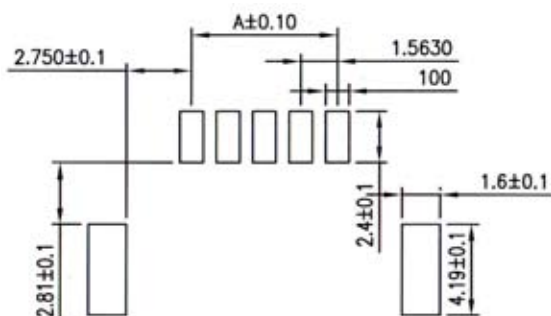
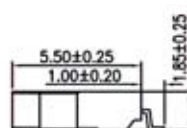
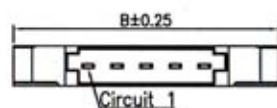
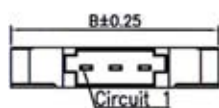
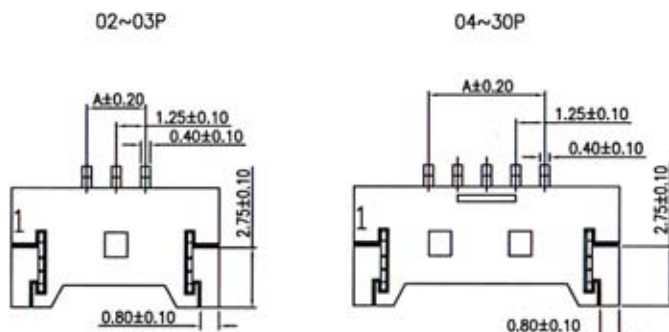
P/N 125MG - $\frac{XXX}{1}$ HW

1. NO. OF CONTACTS:

002 ~ 030

NOTE: ACCEPTS 125MJ TERMINAL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (B2)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 250V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to +85°C

MATERIALS

Insulator: UL94V-0

Nylon-6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
02	1.25	7.65
03	2.50	8.90
04	3.75	10.15
05	5.00	11.40
06	6.25	12.65
07	7.50	13.90
08	8.75	15.15
09	10.00	16.40
10	11.25	17.65
11	12.50	18.90
12	13.75	20.15
14	16.25	22.65
15	17.50	23.90
20	23.75	30.15
30	36.25	42.65

ORDERING INFORMATION:

P/N 1 2 5 M L - $\frac{xxx}{1}$ T W - $\frac{x}{2}$

1. NO. OF CONTACTS:

002 ~ 030

2. PAD & PACKAGE OPTION:

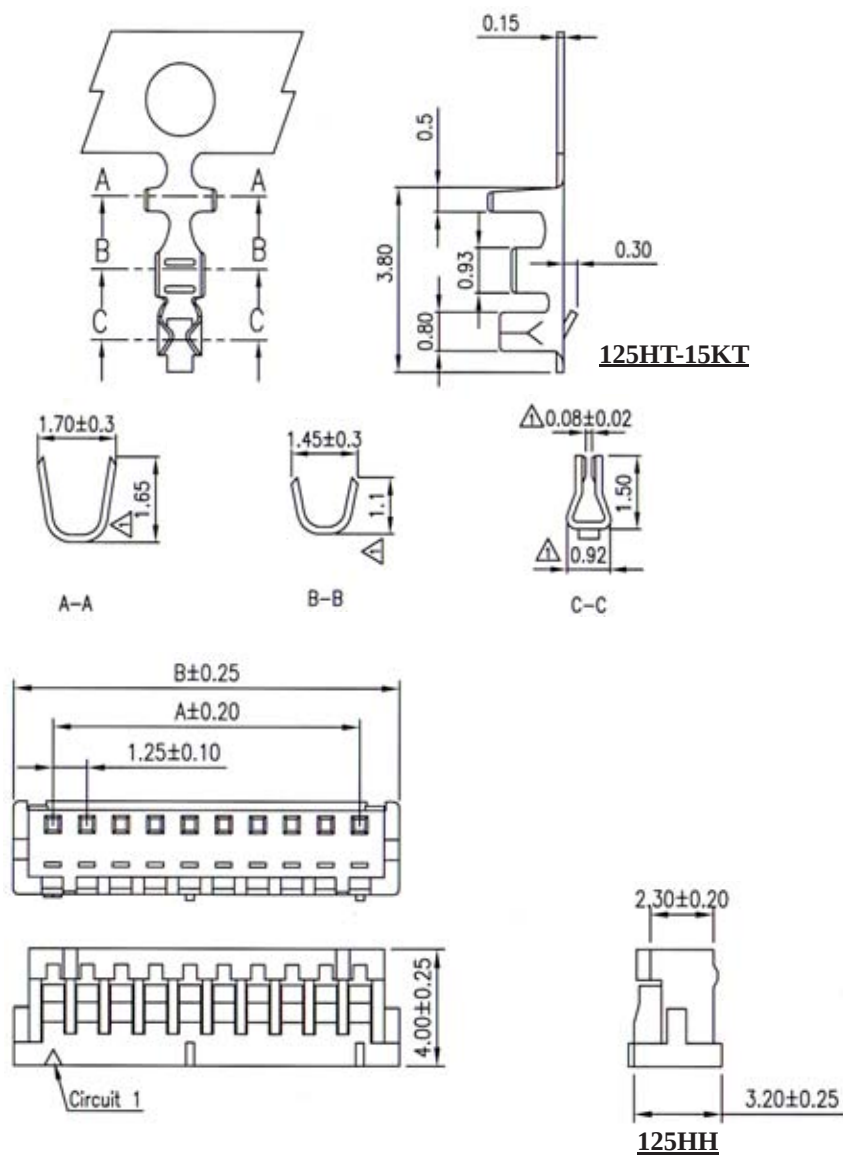
"0" BULK PACKAGE

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

NOTE: MATES WITH 125MG HOUSING

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (C1)



TERMINAL

Accepts AWG# 28-32 Wire Range

Insulation O.D.: 1.2mm(max)

Material: Phosphor Bronze

Finish: Tin Plated

Thickness: 0.15mm

HOUSING

Insulator: Nylon 66, UL94V-0

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
02	1.25	4.15
03	2.50	5.40
04	3.75	6.65
05	5.00	7.90
06	6.25	9.15
07	7.50	10.40
08	8.75	11.65
09	10.00	12.90
10	11.25	14.15
11	12.50	15.40
12	13.75	16.65
14	16.25	19.15
15	17.50	20.40

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 125HT-15KT

PU= 15.000PCS/REEL

NOTE: ACCEPTS 125HH & 125SH HOUSINGS

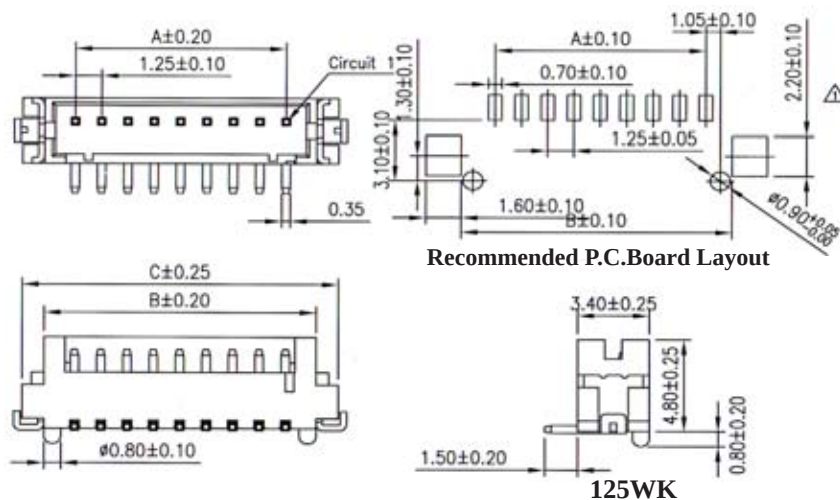
HOUSING:

P/N 125HH-xxxHV

1. NO. OF CONTACTS:
002 ~ 015

NOTE: ACCEPTS 125HT TERMINAL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (C2)



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 85°C

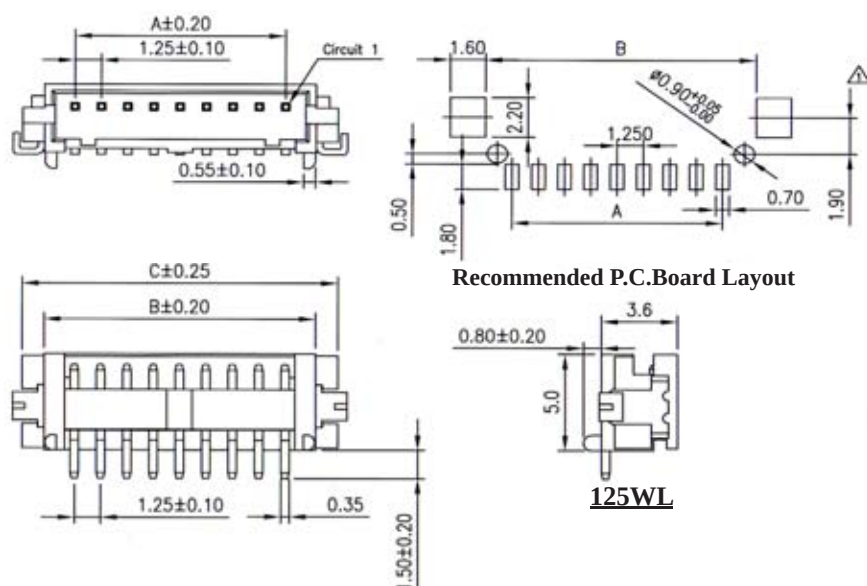
MATERIALS

Insulator: Polyester, UL94V-0

Nylon 6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.25	4.15	6.25
03	2.50	5.40	7.50
04	3.75	6.65	8.75
05	5.00	7.90	10.00
06	6.25	9.15	11.25
07	7.50	10.40	12.50
08	8.75	11.65	13.75
09	10.00	12.90	15.00
10	11.25	14.15	16.25
11	12.50	15.40	17.50
12	13.75	16.65	18.75
13	15.00	17.90	20.00
14	16.25	19.15	21.25
15	17.50	20.40	22.50

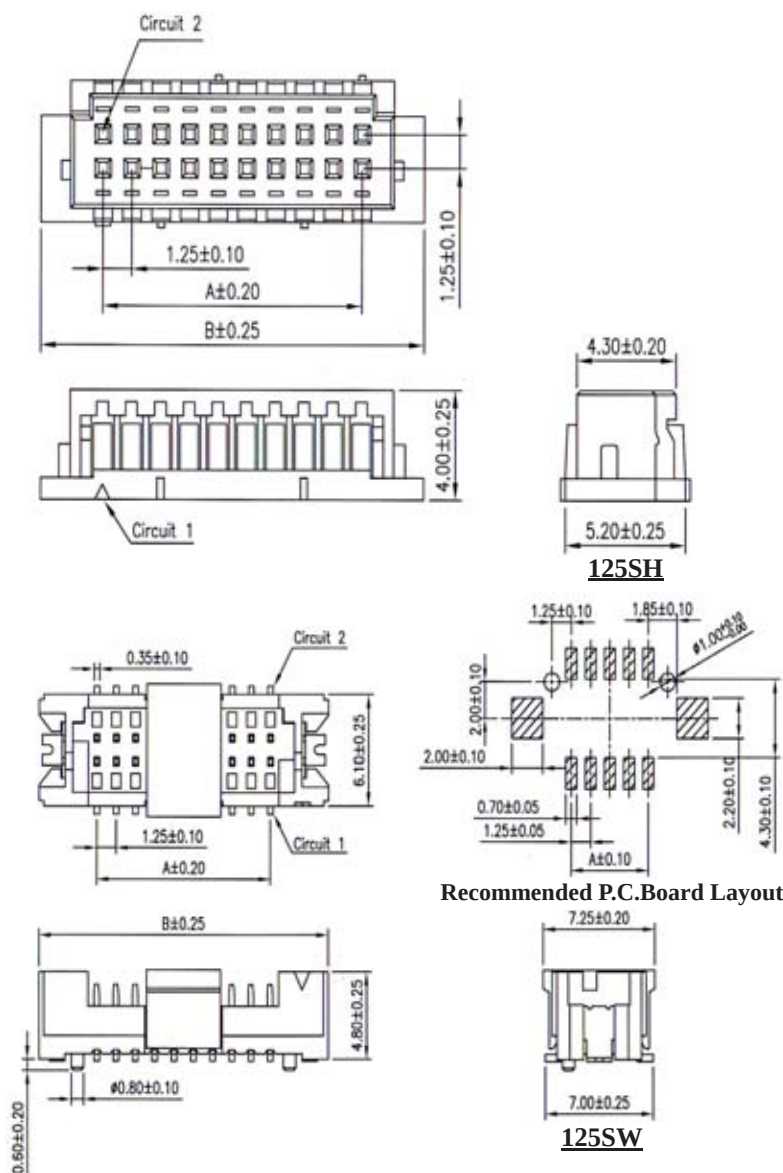
ORDERING INFORMATION:

P/N 1 2 5 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{T}{3}$ V - $\frac{x}{4}$

1. TERMINAL TYPE:
"WK" STRAIGHT SMT TYPE
"WL" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
002 ~ 015
3. CONTACT FINISH:
"T" TIN PLATED
4. PAD & PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

NOTE: MATES WITH 125HH HOUSING

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (C3)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to + 85°C

MATERIALS

Insulator: UL94V-0

Nylon 66

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

125SH

No. of Contacts	Dimensions(mm)	
	A	B
10	5.00	10.40
20	11.25	16.65
30	17.50	22.90
40	23.75	29.15

125SW

No. of Contacts	Dimensions(mm)	
	A	B
10	5.00	12.50
20	11.25	18.75
30	17.50	25.00
40	23.75	31.25

ORDERING INFORMATION:

HOUSING:

P/N 1 2 5 S H - xxx H V

1. NO. OF CONTACTS:

010, 020, 030, 040

NOTE: ACCEPTS 125HT TERMINAL

WAFER:

P/N 1 2 5 S W - xxx T V - x

1. NO. OF CONTACTS:

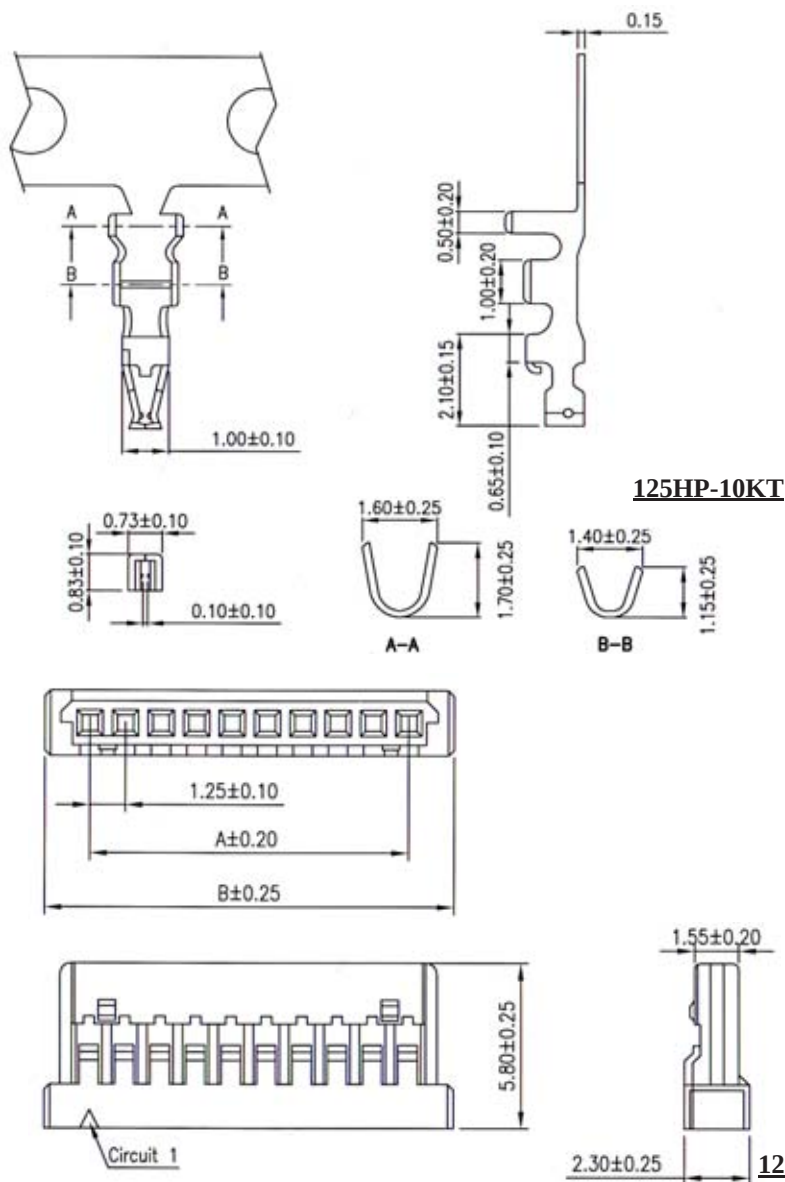
010, 020, 030, 040

2. PAD & PACKAGE OPTION:

"Q" WITH PAD IN TAPE & REEL

NOTE: MATES WITH 125SH HOUSING

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (D1)



TERMINAL

Accepts AWG# 28-32 Wire Range

Insulation O.D.: 1.00mm(max)

Material: Phosphor Bronze

Finish: Tin Plated

Thickness: 0.15mm

HOUSING

Insulator: Nylon 66, UL94V-0

All materials must be RoHS compliant.

125HS

No. of Contacts	Dimensions(mm)	
	A	B
02	1.25	4.45
03	2.50	5.70
04	3.75	6.95
05	5.00	8.20
06	6.25	9.45
07	7.50	10.70
08	8.75	11.95
09	10.00	13.20
10	11.25	14.45
15	17.50	20.70
20	23.75	26.95
25	30.00	33.20
30	36.25	39.45

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 125HP-10KT

PU= 10.000PCS/REEL

NOTE: ACCEPTS 125HS HOUSING

HOUSING:

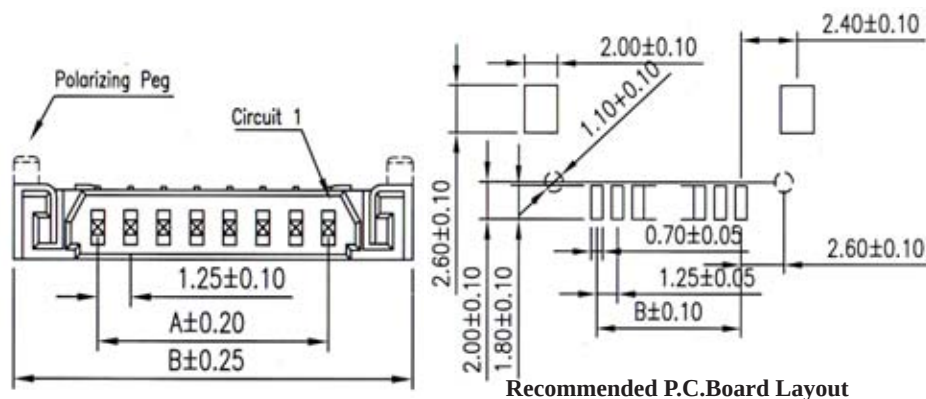
P/N 125HS - xxxHV

1. NO. OF CONTACTS:

002 ~ 030

NOTE: ACCEPTS 125HP TERMINAL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (D2)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 250V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 85°C

MATERIALS

Insulator: UL94V-0

Nylon 6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.25	4.15	6.25
03	2.50	5.40	7.50
04	3.75	6.65	8.75
05	5.00	7.90	10.00
06	6.25	9.15	11.25
07	7.50	10.40	12.50
08	8.75	11.65	13.75
09	10.00	12.90	15.00
10	11.25	14.15	16.25
15	12.50	15.40	17.50
20	13.75	16.65	18.75
25	15.00	17.90	20.00
30	16.25	19.15	21.25

ORDERING INFORMATION:

P/N 1 2 5 xx - xxx T V - x
1 2 3

1. LOCATING PEG OPTION:

"HV" W/O POST

"HW" WITH POST

2. NO. OF CONTACTS:

002 ~ 030

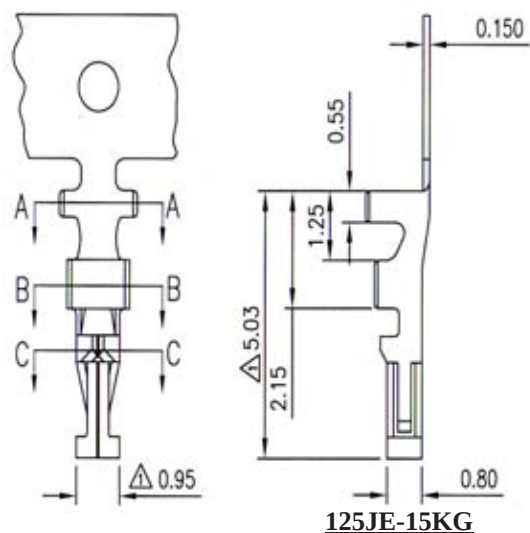
3. PAD & PACKAGE OPTION:

"R" W/O PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

NOTE: MATES WITH 125HS HOUSING

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (E1)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 250V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +85°C

MATERIALS

Insulator: UL94V-0

Nylon 66

Contacts: Phosphor Bronze

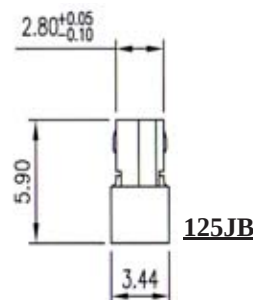
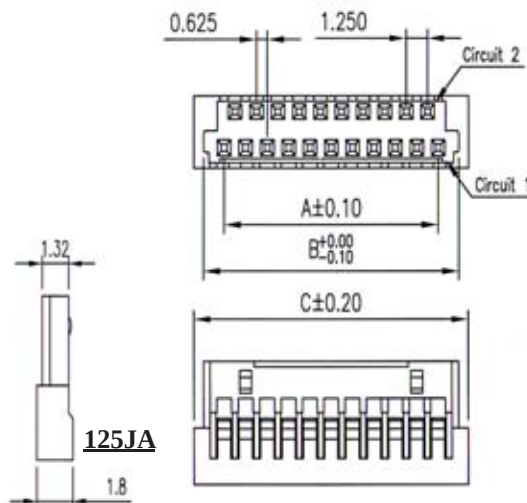
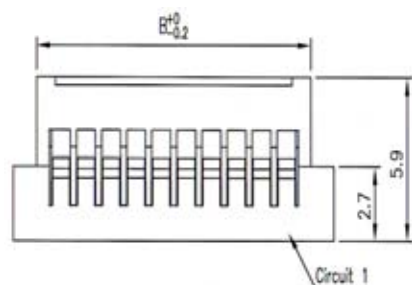
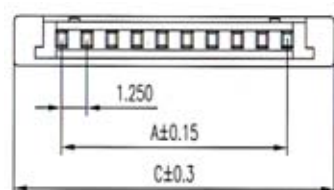
All materials must be RoHS compliant.

125JA

No. of Contacts	Dimensions(mm)		
	A	B	C
20	23.75	26.30	28.50
30	36.25	38.80	41.00

125JB

No. of Contacts	Dimensions(mm)		
	A	B	C
21	12.50	14.90	16.00
31	18.75	21.15	22.25



ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 125JE-15KG

PU= 15.000PCS/REEL

NOTE: ACCEPTS 125JA & 125JB HOUSING

HOUSING:

P/N 125JA - xxx HB

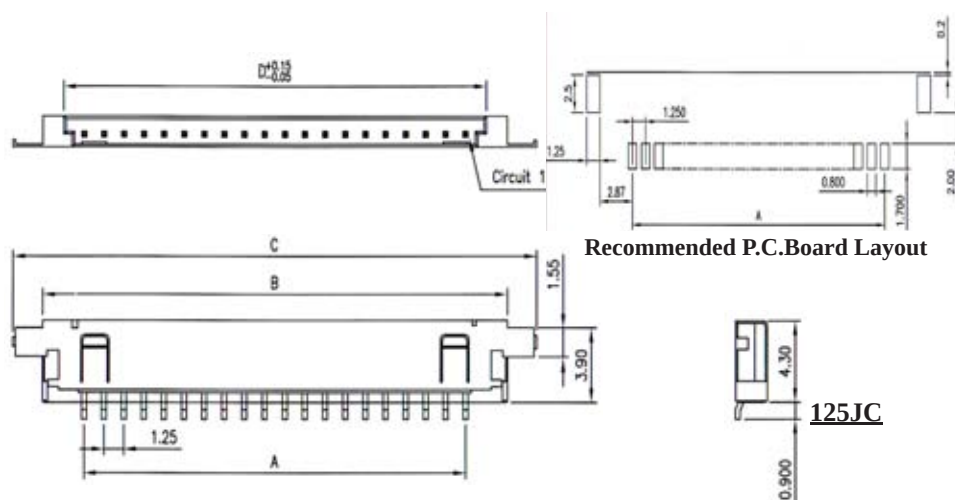
1. NO. OF CONTACTS:
020, 025, 030

P/N 125JB - xxx HB

1. NO. OF CONTACTS:
021, 031, 041

NOTE: ACCEPTS 125JE TERMINAL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (E2)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 250V AC

Insulator Resistance: 100 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 85°C

MATERIALS

Insulator: UL94V-0

LCP

Contacts: Phosphor Bronze

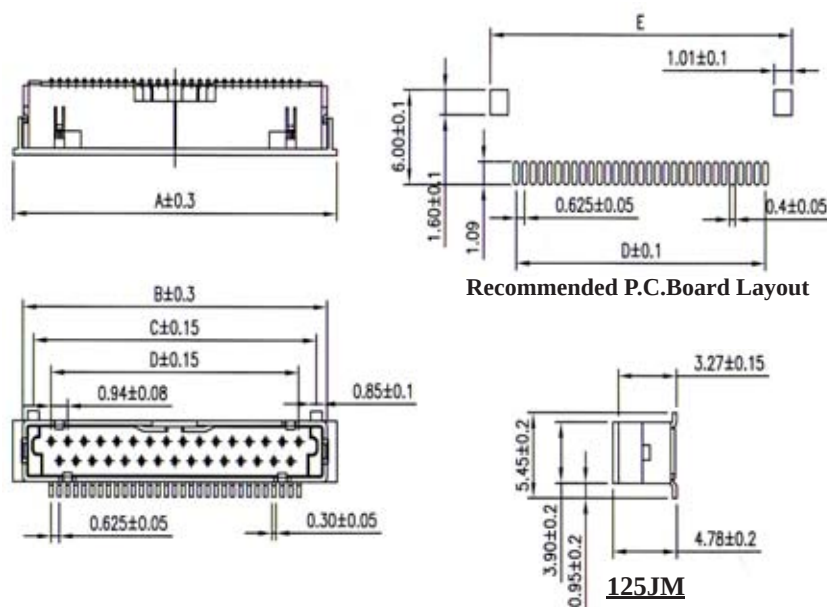
All materials must be RoHS compliant.

125JC

No. of Contacts	Dimensions(mm)			
	A	B	C	D
20	23.75	28.95	32.35	26.35
30	36.25	41.45	44.85	38.85

125JM

No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
21	18.25	16.75	15.15	12.50	16.50
31	24.50	23.00	21.40	18.75	22.75



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 5 $\frac{x}{1}$ - $\frac{x}{2}$ T B - $\frac{x}{3}$

1. NO. OF ROWS:

"JC" SINGLE ROW

"JM" DOUBLE ROW

2. NO. OF CONTACTS:

020, 025, 030 FOR SINGLE ROW

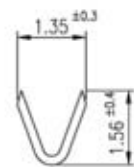
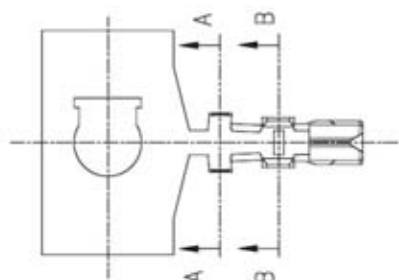
021, 031, 041 FOR DOUBLE ROW

3. PACKAGE OPTION:

"R" W/O PAD IN TAPE & REEL

NOTE: MATES WITH 125JA or 125JB HOUSING

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (F1)



A-A SECTION

TERMINAL

Wire Range: AWG#28~32

Material: Phos. Bronze

Thickness: 0.15mm

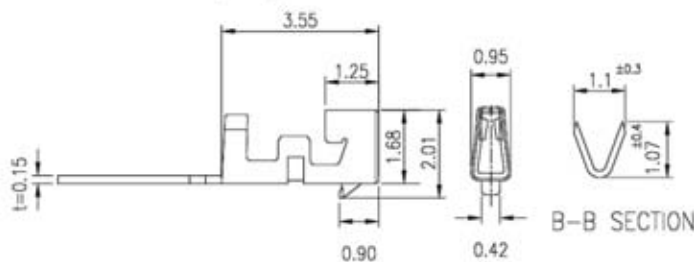
Plating: Gold Plated

HOUSING

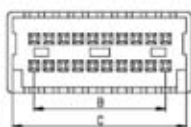
Material: NY66 UL94V-0

All materials must be RoHS compliant.

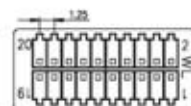
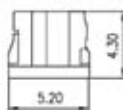
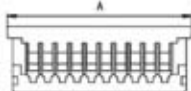
125MZ-10KG



B-B SECTION



125MY-xxxHZ



NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
20	14.95	11.25	23.30
30	21.20	17.50	20.50
40	27.45	23.75	26.75

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 1 2 5 M Z - $\frac{10}{1}$ K $\frac{G}{2}$

1. QUALITY PER REEL:
"10K" 10,000PCS/REEL
2. CONTACT FINISH:
"G" GOLD PLATED

NOTE: ACCEPTS 125MY HOUSING

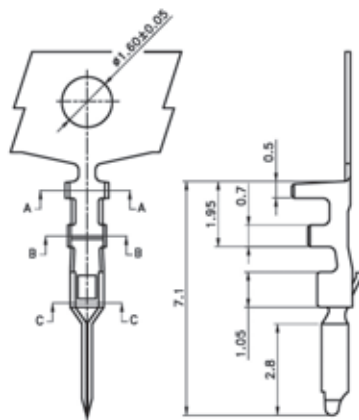
HOUSING:

P/N 1 2 5 M Y - $\frac{xxx}{1}$ H V

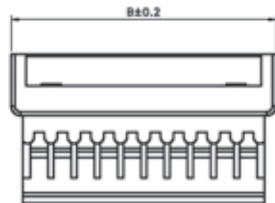
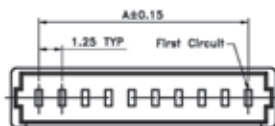
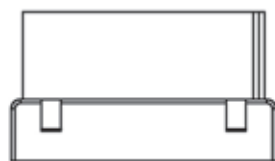
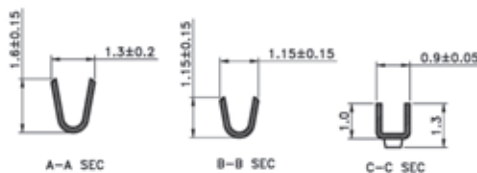
1. NO. OF CONTACTS:
020, 030, 040

NOTE: ACCEPTS 125MZ TERMINAL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (G1)



125MU-15KT



125MK-xxxHV



TERMINAL

Voltage Rating: 125V AC/DC

Current Rating: 1A AC/DC

Withstanding Voltage: 250V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -40°C to +85°C

Contact Resistance: 20mΩ Max

Applicable Wires: AWG#28~32

Material: Phos. Bronze, Tin Plated

Thickness: 0.15mm

HOUSING

Voltage Rating: 125V AC/DC

Current Rating: 1A AC/DC

Withstanding Voltage: 250V AC/Minute

Insulation Resistance: 100MΩ Min.

Temperature Range: -40°C to +85°C

Contact Resistance: 20mΩ Max

Material: PBT UL94V-0, White

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
2	1.25	4.25
3	2.50	5.50
4	3.75	6.75
5	5.00	8.00
6	6.25	9.25
7	7.50	10.50
8	8.75	11.75
9	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 125MU-15KT

PU= 15,000PCS/REEL

NOTE: ACCEPTS 125MK HOUSING

HOUSING:

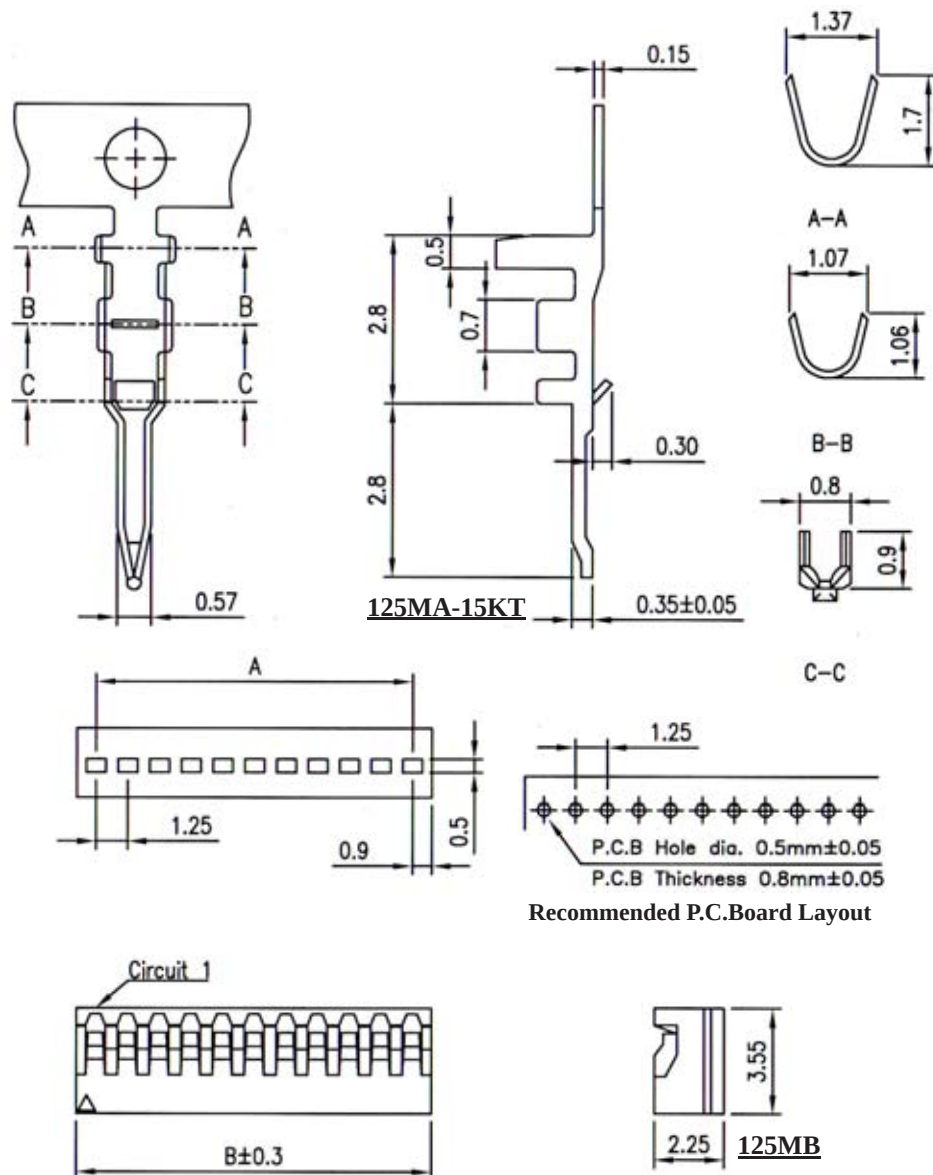
P/N 125MK - $\frac{xxx}{1}$ HV

1. NO. OF CONTACTS:

002 ~ 015

NOTE: ACCEPTS 125MU TERMINAL

1.25MM(0.049") SPACING BOARD-IN TYPE SYSTEM



TERMINAL

Accepts AWG# 28-32 Wire Range

Insulation O.D.: 1.04mm(max)

Material: Phosphor Bronze

Finish: Gold Plated & Tin Plated

Thickness: 0.15mm

HOUSING

Insulator: Nylon 66, UL94V-0

All materials must be RoHS compliant.

125MB

No. of Contacts	Dimensions(mm)	
	A	B
02	1.25	3.05
03	2.50	4.30
04	3.75	5.55
05	5.00	6.80
06	6.25	8.05
07	7.50	9.30
08	8.75	10.55
09	11.25	11.80
10	12.50	13.05
11	13.75	14.30
12	16.25	15.55
13	17.50	16.80
14	16.25	18.05
15	17.50	19.30

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 1 2 5 M A - 1 5 K T

PU= 15.000PCS/REEL

NOTE: ACCEPTS 125MB HOUSING

HOUSING:

P/N 1 2 5 M B - $\frac{x \times x \times H W}{1}$

1. NO. OF CONTACTS:

002 ~ 015

NOTE: ACCEPTS 125MA TERMINAL

1.27MM*1.27MM FEMALE HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE = 2.1MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

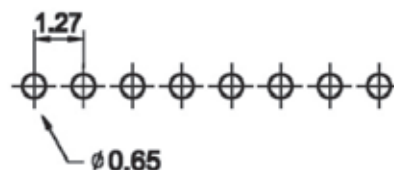
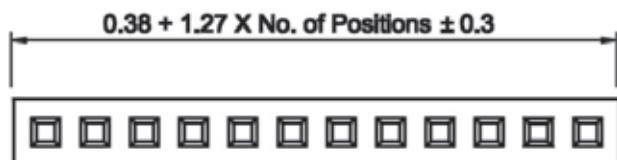
MATERIALS

Contact Material: Phosphor Bronze

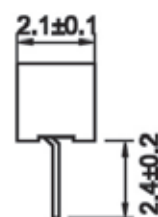
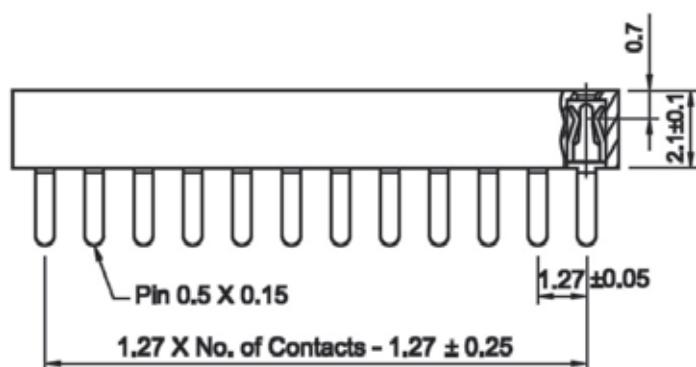
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
Nylon-6T

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 D 2 1 - x x x x B
 1 2 3

1. CONTACT TYPE:
"D21" SINGLE ROW STRAIGHT TYPE
2. NO. OF CONTACTS:
002~050
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM*1.27MM FEMALE HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE = 2.1MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

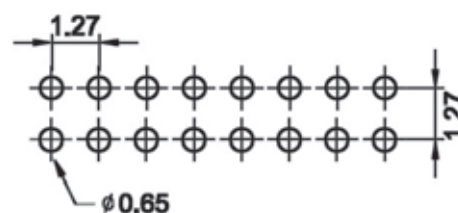
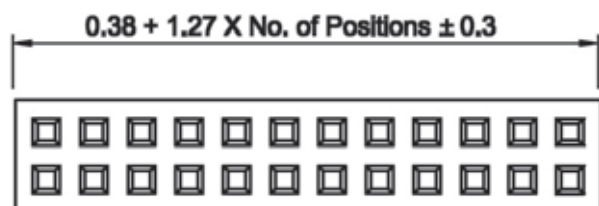
MATERIALS

Contact Material: Phosphor Bronze

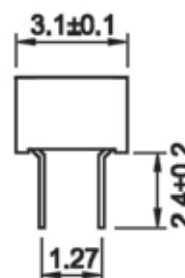
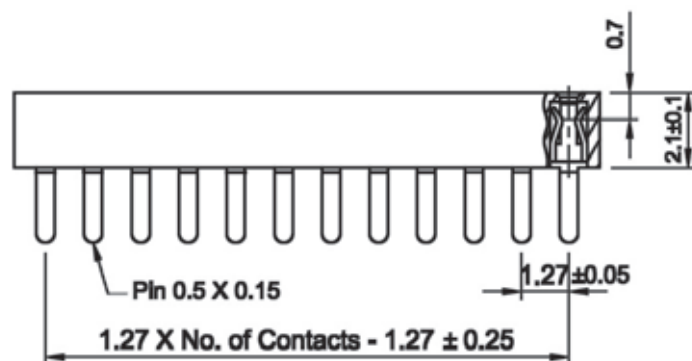
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
Nylon-6T

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 D 2 2 - x x x x B
1 2 3

1. CONTACT TYPE:
"D22" DOUBLE ROW STRAIGHT TYPE
2. NO. OF CONTACTS:
004~100
3. CONTACT FINISH:
"G" FULL GOLD PLATED (STANDARD)
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM*1.27MM FEMALE HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE = 3.4MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

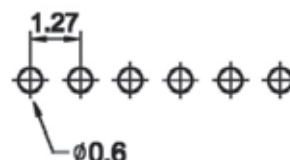
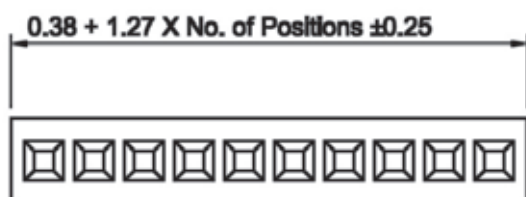
MATERIALS

Contact Material: Phosphor Bronze

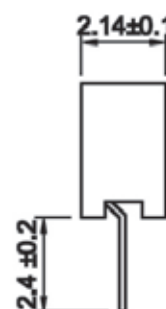
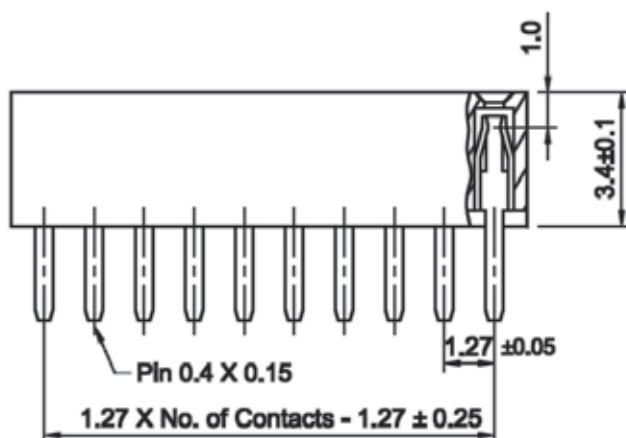
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 7 F W - x x x x B
1 2 3

1. LOCATING PEG OPTION:
"FW" SINGLE ROW STRAIGHT TYPE
2. NO. OF CONTACTS:
002~050
3. CONTACT FINISH:
"G" FULL GOLD PLATED (STANDARD)
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM*1.27MM FEMALE HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE = 3.4MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

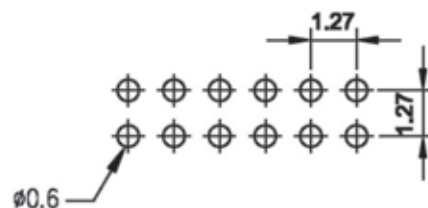
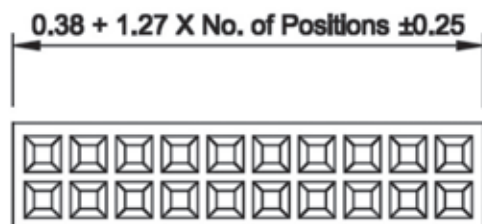
Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

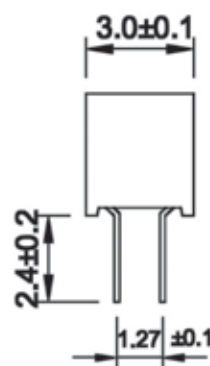
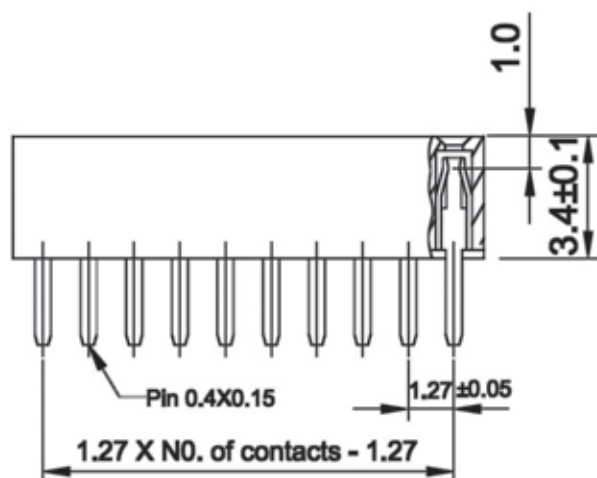
Insulator: Glass Filled Polyester (UL 94V-0)

LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 7 H U - x x x x B
1 2 3

1. LOCATING PEG OPTION:
"HU" DOUBLE ROW STRAIGHT TYPE
2. NO. OF CONTACTS:
004~100
3. CONTACT FINISH:
"G" FULL GOLD PLATED (STANDARD)
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM FEMALE HEADER STRAIGHT DIP TYPE PROFILE=3.4MM & 4.3MM

SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000 MΩ Min.

Dielectric Withstand: 250V AC For 1 Min.

Operating Temperature: -40°C to +105°C

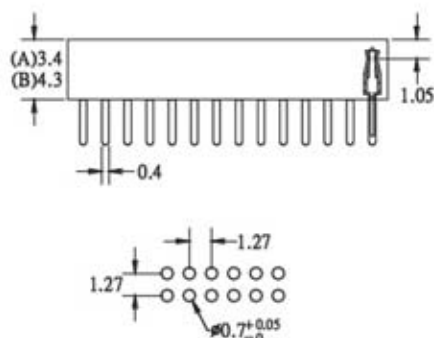
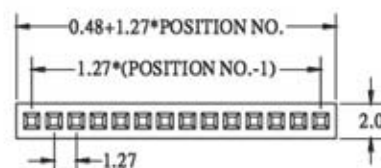
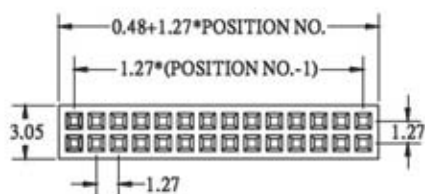
INSULATOR HEIGHT	DOUBLE ROW		SINGLE ROW	
	1.5MM	2.6MM	1.5MM	2.6MM
3.4 MM	G07	G08	G03	G04
4.3 MM	G09	G10	G05	G06

MATERIALS

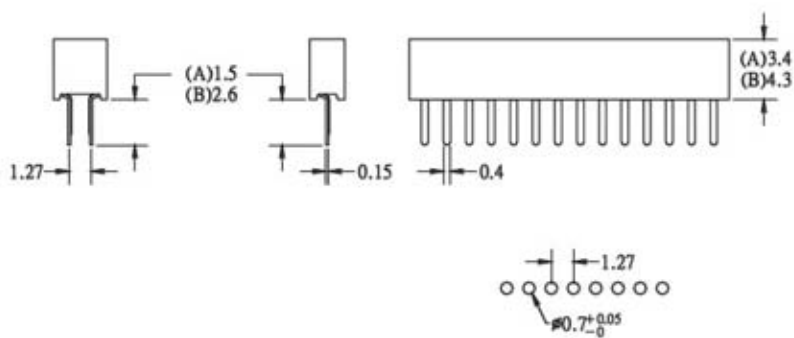
Insulator: LCP, Glass Reinforced, UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B
 1 2 3

- CONNECTOR TYPE:
G03, G04, G05, G06, G07, G08, G09, G10
- NO. OF CONTACTS:
002 ~ 050 FOR SINGLE ROW
004 ~ 100 FOR DOUBLE ROW
- CONTACT FINISH:
"G" FULL GOLD PLATED

1.27MM*1.27MM FEMALE HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE = 4.3MM (1)

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

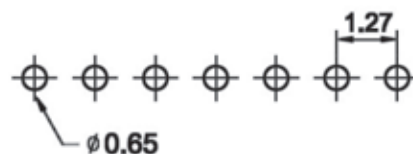
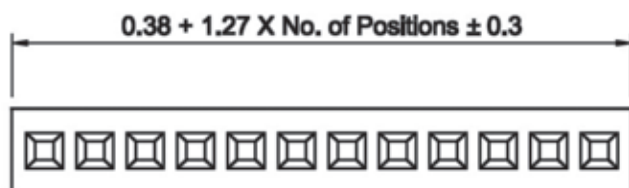
MATERIALS

Contact Material: Phosphor Bronze

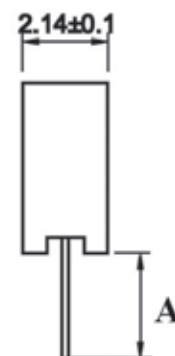
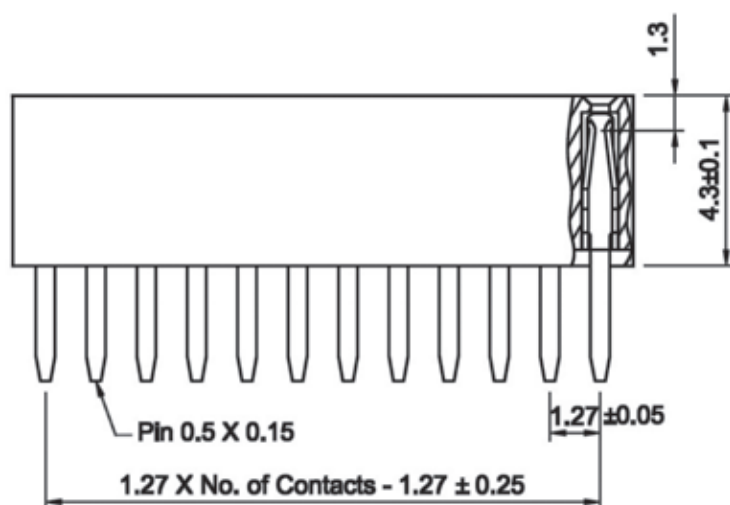
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 7 FS - x x x x B
 1 2 3

1. DIP LENGTH OPTION:

"FS" A = 2.4MM

"FC" A = 2.6MM

2. NO. OF CONTACTS:

002~050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM*1.27MM FEMALE HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE = 4.3MM (2)

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

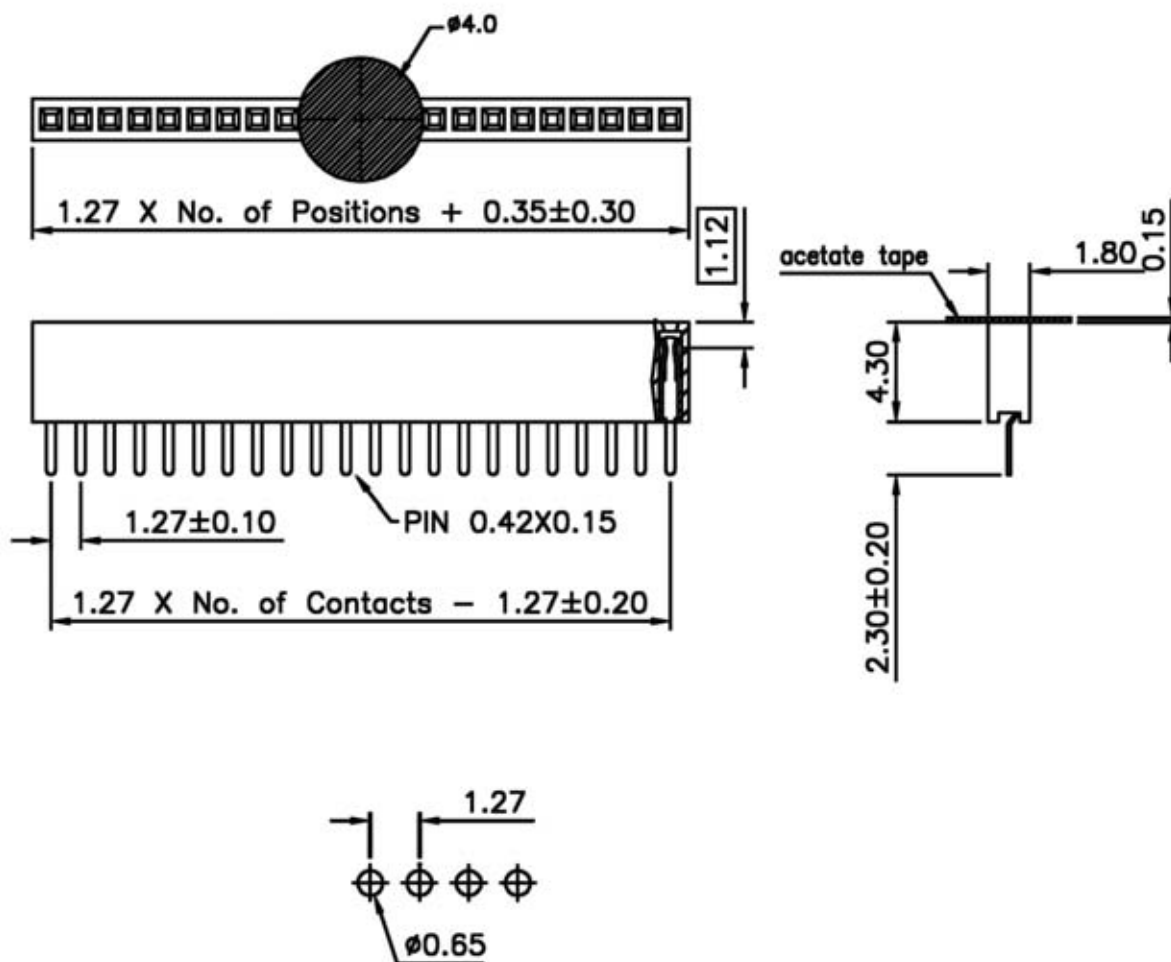
MATERIALS

Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 7 F D - x x x x B - x
1 2 3 4

1. DIP LENGTH:

"FD" A = 2.3MM

2. NO. OF CONTACTS:

002~040

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE TYPE:

"0" BOX (2~4 PINS)

"T" W/O FILM IN TUBE

"F" WITH FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

1.27MM*1.27MM FEMALE HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE = 4.3MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

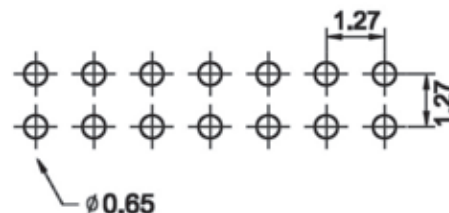
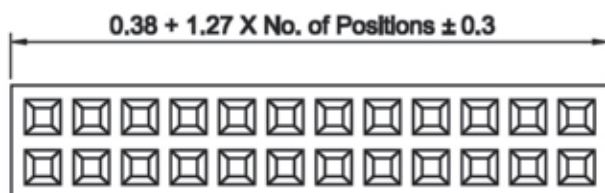
Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

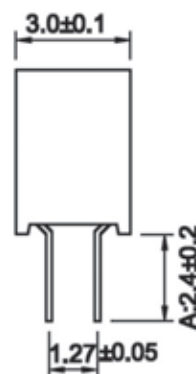
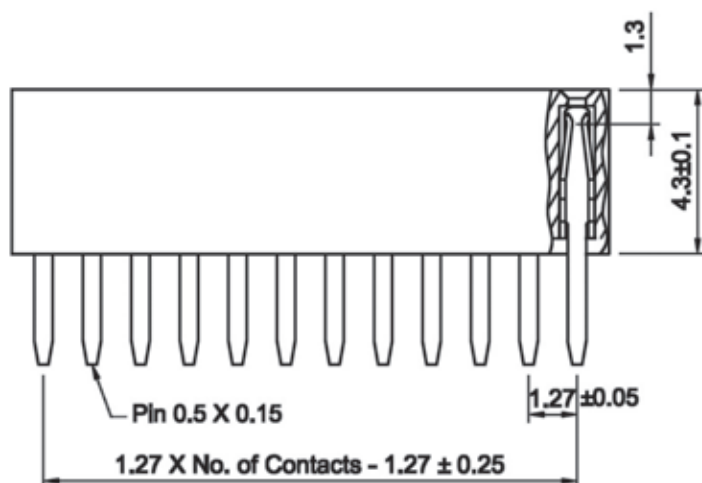
Insulator: Glass Filled Polyester (UL 94V-0)

LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B

1. DIP LENGTH OPTION:

"HW" A = 2.4MM

"KN" A = 3.05MM

"MZ" A = 2.6MM

2. NO. OF CONTACTS:

004~100

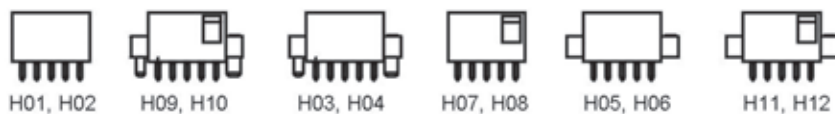
3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW BOTTOM BASED STRAIGHT TYPE PROFILE=4.30MM

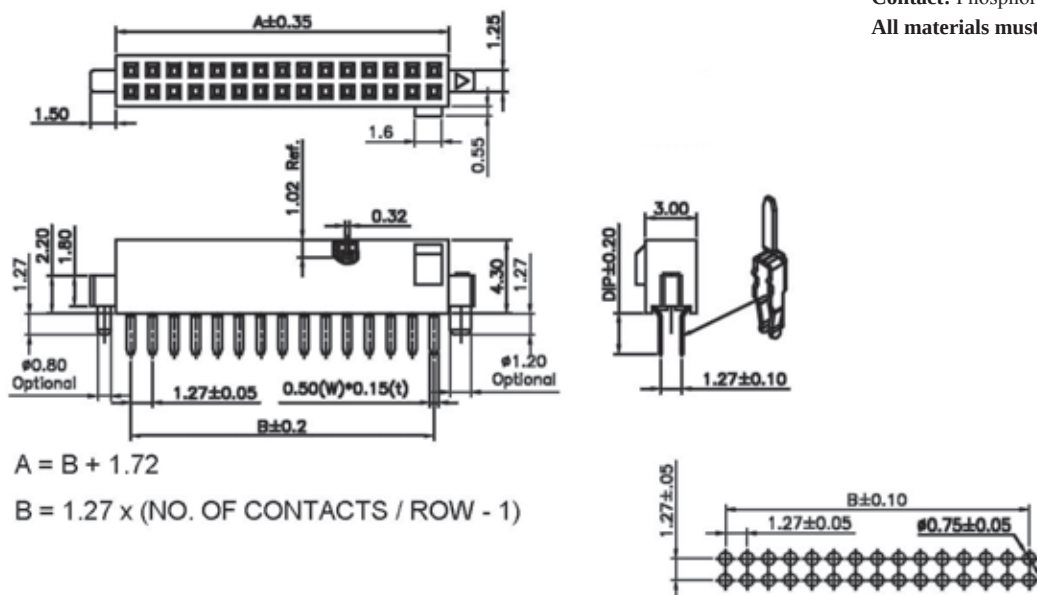


SPECIFICATIONS

Current Rating: 1.0 A
Voltage Rating: 100V AC/DC
Contact Resistance: 30mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 500V AC/Min.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T or LCP UL94V-0, Black
Contact: Phosphor Bronze
All materials must be RoHS compliant.



Recommended P.C.Board Layout

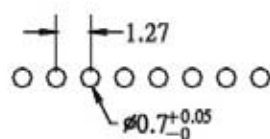
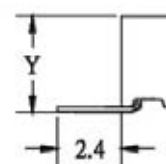
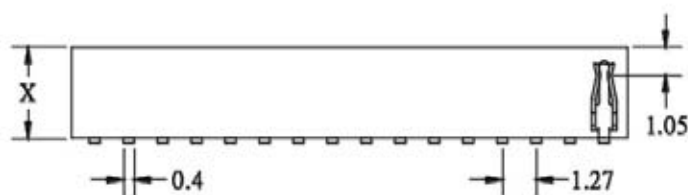
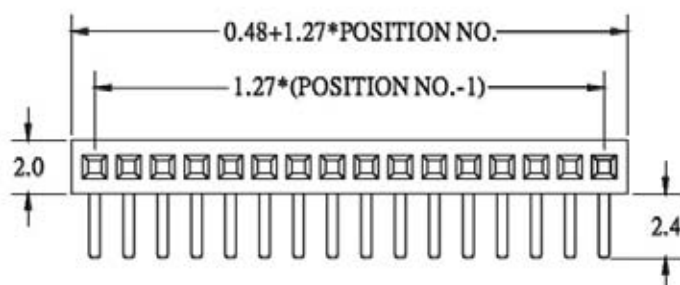
DIP LENGTH	W/O POLARIZATION NOTCH			WITH POLARIZATION NOTCH		
	W/O PEG	WITH PEGS	WITH EARS	W/O PEG	WITH PEGS	WITH EARS
3.0MM	H01	H03	H05	H07	H09	H11
2.4MM	H02	H04	H06	H08	H10	H12

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B - x
1 2 3 4

- POLARIZATION NOTCH & LOCATING PEG OPTION:
H01, H02, H03, H04, H05, H06,
H07, H08, H09, H10, H11, H12
- NO. OF CONTACTS:
004 ~ 100
- CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
" " BULK PACKAGE
"T" W/O PAD IN TUBE

1.27MM x 1.27MM FEMALE HEADER SINGLE ROW R/A DIP TYPE PROFILE=2.1MM, 3.4MM & 4.3MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000 MΩ Min.

Dielectric Withstand: 250V AC For 1 Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP, Glass Reinforced, UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B
1 2 3

1. INSULATOR HEIGHT:

"G29" X/Y = 2.1/2.3MM

"G30" X/Y = 3.4/3.6MM

"G31" X/Y = 4.3/4.5MM

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM*1.27MM FEMALE HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE = 4.3MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

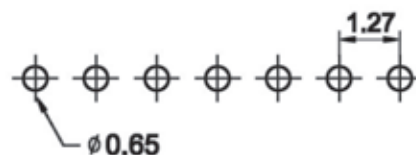
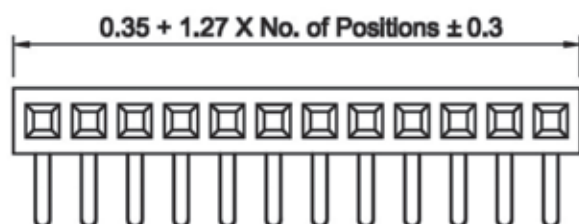
MATERIALS

Contact Material: Phosphor Bronze

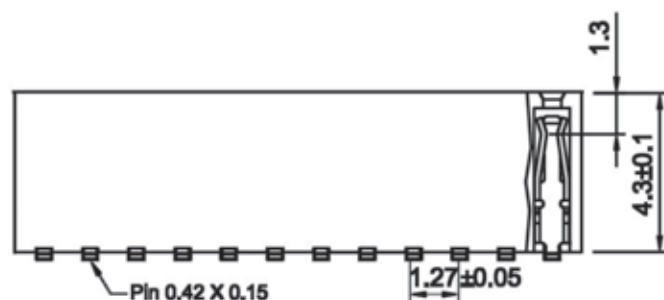
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
Nylon-6T

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B$

1. DIP LENGTH OPTION::

"FL" A = 2.0MM

"FY" A = 2.4MM

"EF" A = 1.8MM

2. NO. OF CONTACTS:

002~050

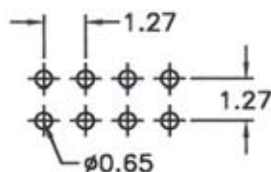
3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=4.40MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 300V AC/DC

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

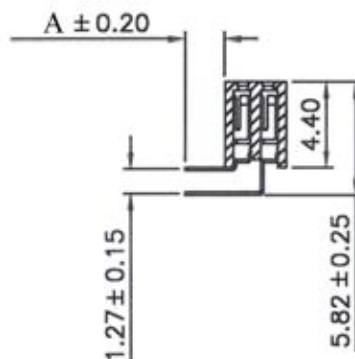
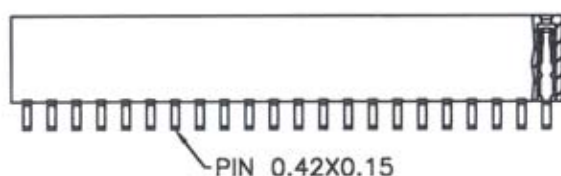
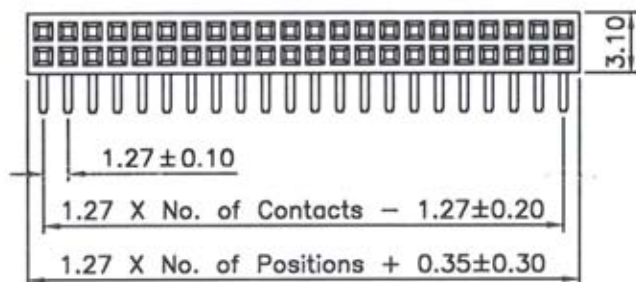
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP UL94V-0, Black

Contact: Phosphor Bronze

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B - $\frac{T}{4}$

1. DIP LENGTH:

"XA" A=2.0MM

"XB" A=2.6MM

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

1.27MM*1.27MM FEMALE HEADER SIDE ENTRY DIP TYPE PROFILE = 3.45MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

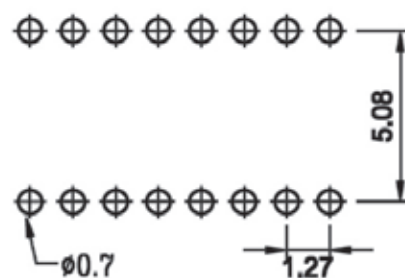
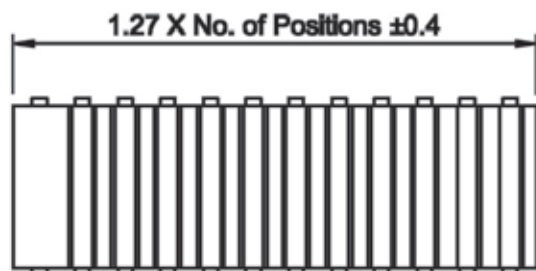
MATERIALS

Contact Material: Phosphor Bronze

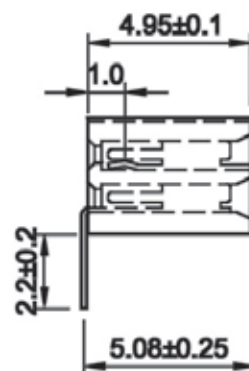
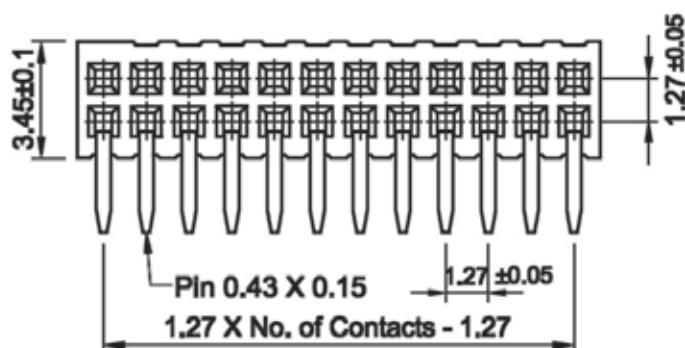
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
Nylon-6T

* RoHS & REACH compliant.



Recommended P.C.Board Layout

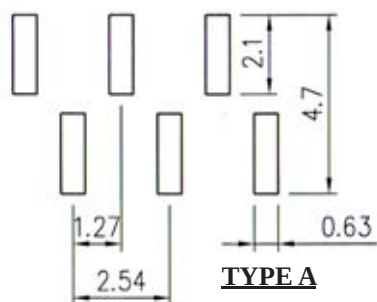
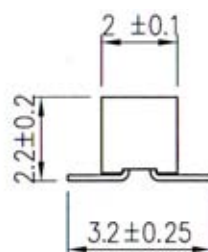
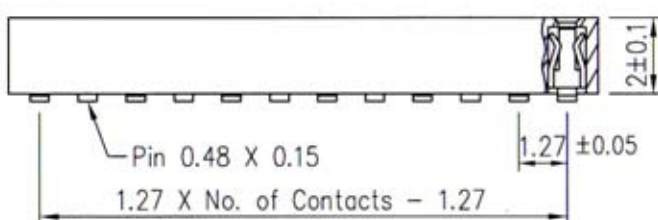
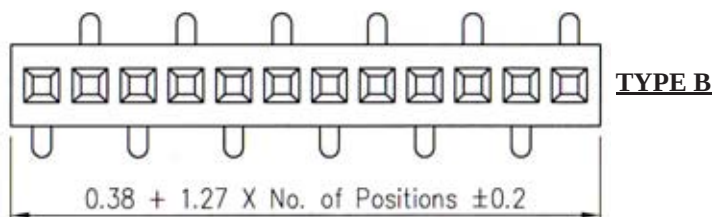
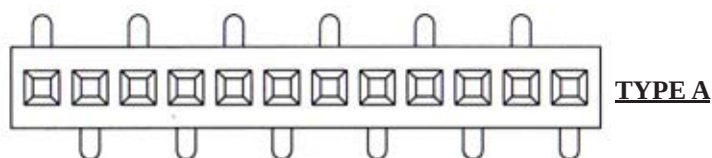


ORDERING INFORMATION:

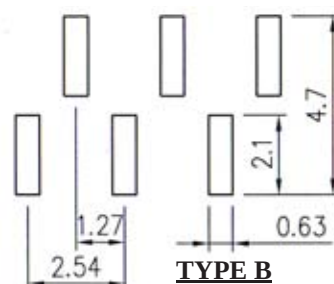
P/N 1 2 7 FX - x x x x B - T
1 2 3 4

1. CONTACT TYPE OPTION:
"FX" DOUBLE ROW SIDE ENTRY TYPE
2. NO. OF CONTACTS:
006~100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE

1.27MM(0.050") FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 7 $\frac{x}{1} \frac{x}{2} - \frac{x}{3} \frac{x}{4} B - \frac{x}{4}$

1. PCB LAYOUT TYPE:

"JA" TYPE A

"JL" TYPE B

2. NO. OF CONTACTS:

003 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

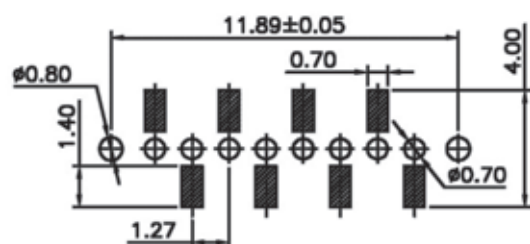
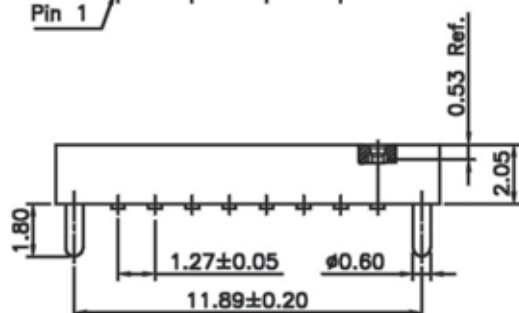
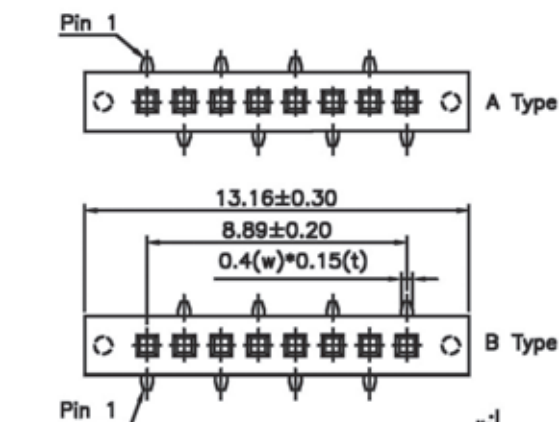
"Q" WITH PAD IN TAPE & REEL

"F" WITH FILM IN TUBE

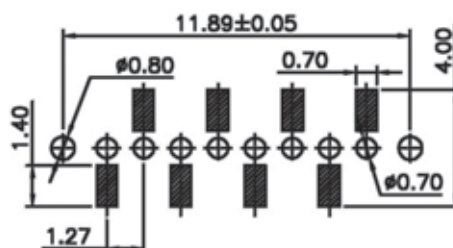
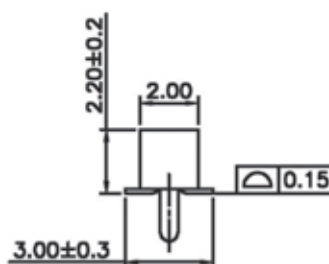
"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM(0.050") FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=2.05MM



Recommended P.C.Board Layout
A Type



Recommended P.C.Board Layout
B Type

SPECIFICATIONS

Current Rating: 1.0 A
Voltage Rating: 100V AC/DC
Contact Resistance: 30mΩ Max.
Insulator Resistance: 500MΩ Min.
Withstanding Voltage: 500V AC/Min.
Operating Temperature: -25°C to +125°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Phosphor Bronze
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B - $\frac{X}{4}$

1. CONTACT TYPE:

"JF" A TYPE WITH LOCATING PEGS
"JR" B TYPE WITH LOCATING PEGS
"JY" A TYPE WITHOUT LOCATING PEGS
"JZ" B TYPE WITHOUT LOCATING PEGS

2. NO. OF CONTACTS:

006, 008

3. CONTACT FINISH:

"G" FULL GOLD PLATED
"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL
"F" WITH FILM IN TUBE
"G" WITH FILM IN TAPE & REEL
"O" IN TRAY

1.27MM x 1.27MM FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=2.1MM, 3.4MM & 4.3MM

INSULATOR HEIGHT		WITHOUT LOCATING CLIPS		WITH LOCATING CLIPS	
X	Y	TYPE A	TYPE B	TYPE A	TYPE B
2.10	2.25	G11	G12	G13	G14
3.40	3.55	G15	G16	G17	G18
4.30	4.45	G19	G20	G21	G22

SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000 MΩ Min.

Dielectric Withstand: 250V AC For 1 Min.

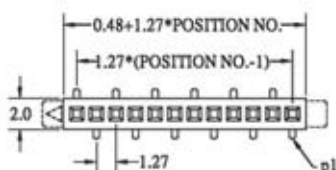
Operating Temperature: -40°C to +105°C

MATERIALS

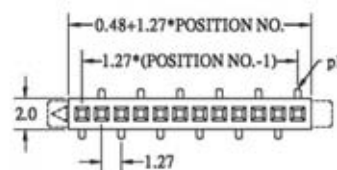
Insulator: LCP, Glass Reinforced, UL94V-0

Contacts: Phosphor Bronze

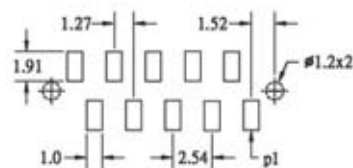
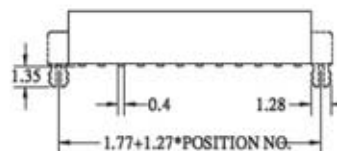
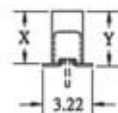
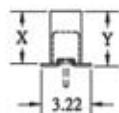
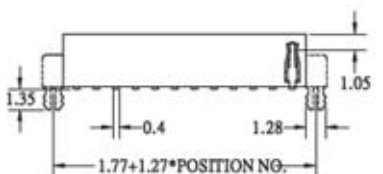
All materials must be RoHS compliant.



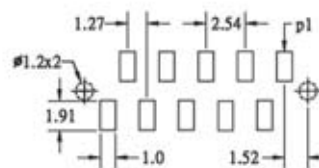
TYPE A



TYPE B



Recommended P.C.Board Layout



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 XXX - XXX X B - X
1 2 3 4

1. CONTACT TYPE:

G11, G12, G13, G14, G15, G16,
G17, G18, G19, G20, G21, G22

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM FEMALE HEADER SINGLE ROW SMT TYPE PROFILE = 3.4MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

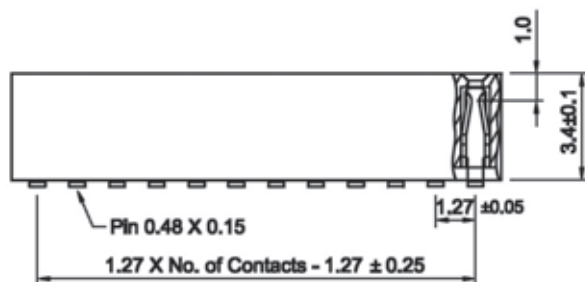
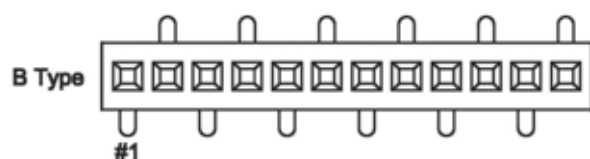
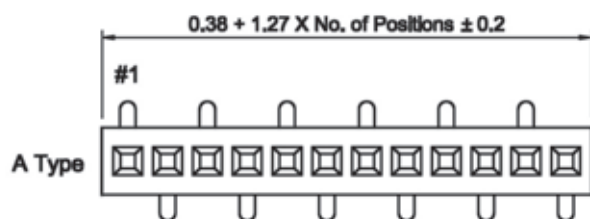
Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

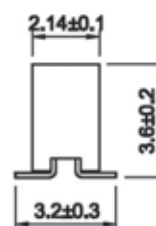
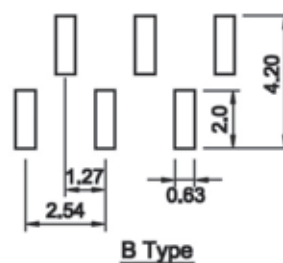
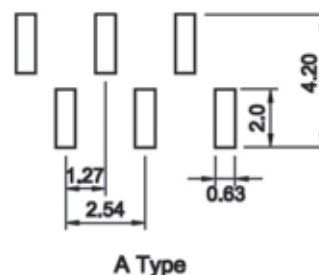
Insulator: Glass Filled Polyester (UL 94V-0)

LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

1. LOCATING PEG OPTION:

"EC" A TYPE

"ED" B TYPE

2. NO. OF CONTACTS:

002~050

3. CONTACT FINISH:

"G" FULL GOLD PLATED (STANDARD)

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD, FILM & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

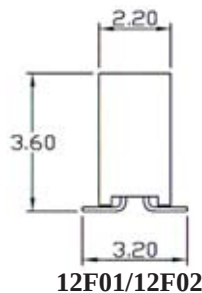
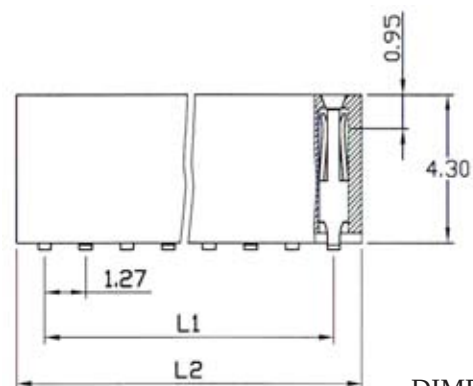
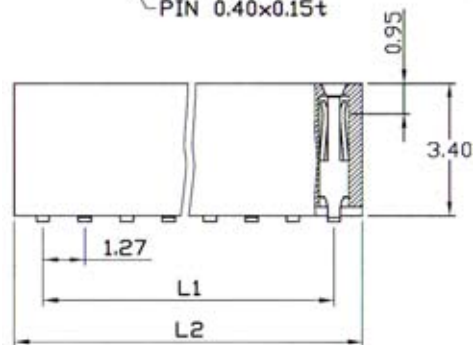
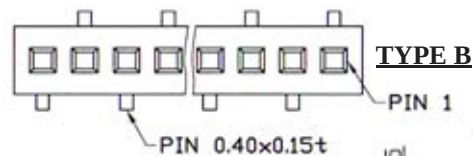
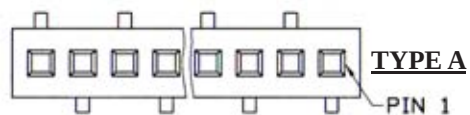
"Q" WITH PAD IN TAPE & REEL

"F" WITH FILM IN TUBE

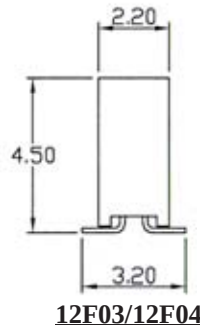
"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM 0.40MMSQ FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=3.40MM & 4.30MM



12F01/12F02



12F03/12F04

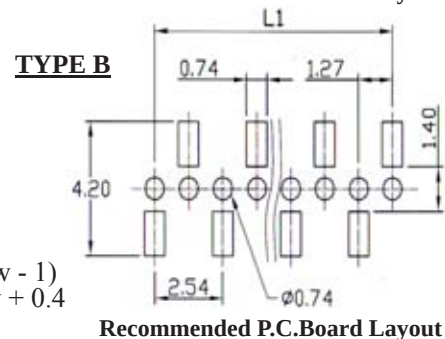
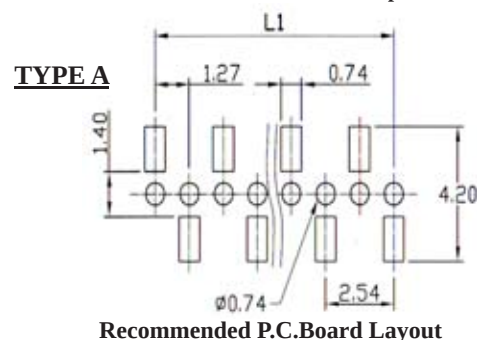
DIMENSIONS:
L1 = 1.27 x (No. of Contacts/Row - 1)
L2 = 1.27 x No. of Contacts/Row + 0.4

SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0
Nylon-6T
Contacts: Copper Alloy
All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 F x x - x x x x B - x
1 2 3 4

1. PCB LAYOUT TYPE:

"F01" H= 3.4MM TYPE A
"F01" H= 3.4MM TYPE B
"F03" H= 4.3MM TYPE A
"F04" H= 4.3MM TYPE B

2. NO. OF CONTACTS:

003 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED
"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL
"F" WITH FILM IN TUBE
"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM FEMALE HEADER SINGLE ROW SMT TYPE PROFILE = 4.3MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

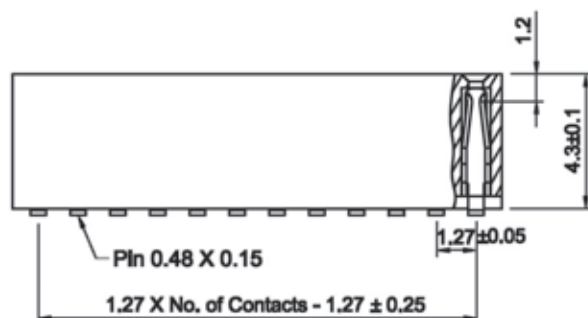
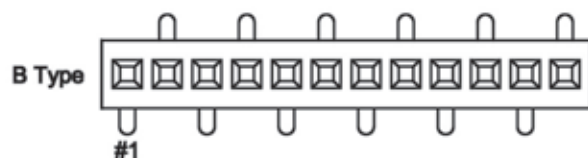
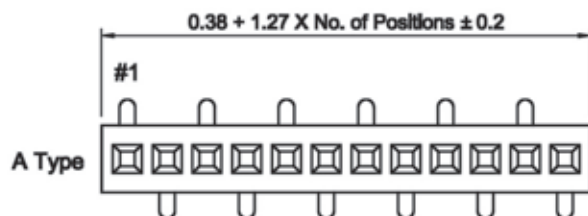
MATERIALS

Contact Material: Phosphor Bronze

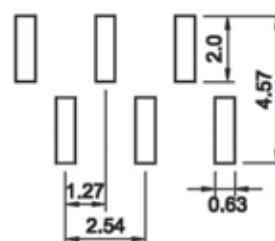
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
Nylon-6T

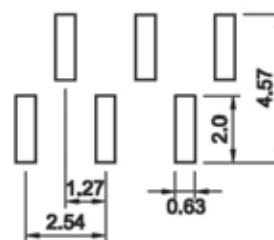
* RoHS & REACH compliant.



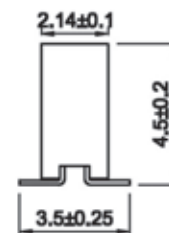
Recommended P.C.Board Layout



A Type



B Type



ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:

"EA" A TYPE

"EB" B TYPE

2. NO. OF CONTACTS:

002~050

3. CONTACT FINISH:

"G" FULL GOLD PLATED (STANDARD)

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD, FILM & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

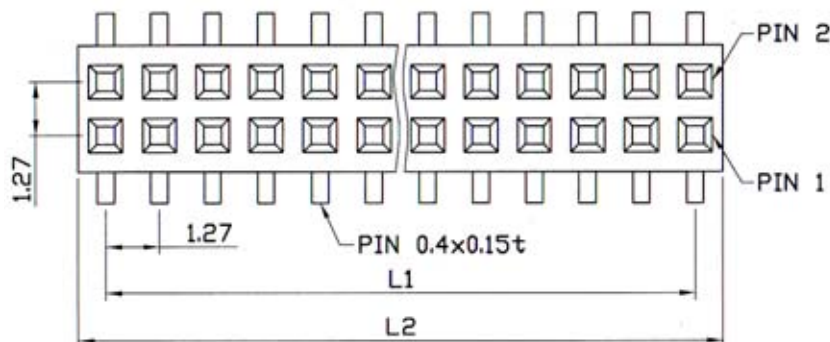
"Q" WITH PAD IN TAPE & REEL

"F" WITH FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM

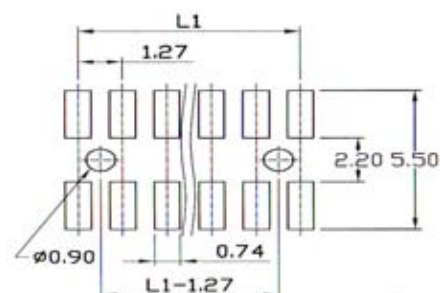
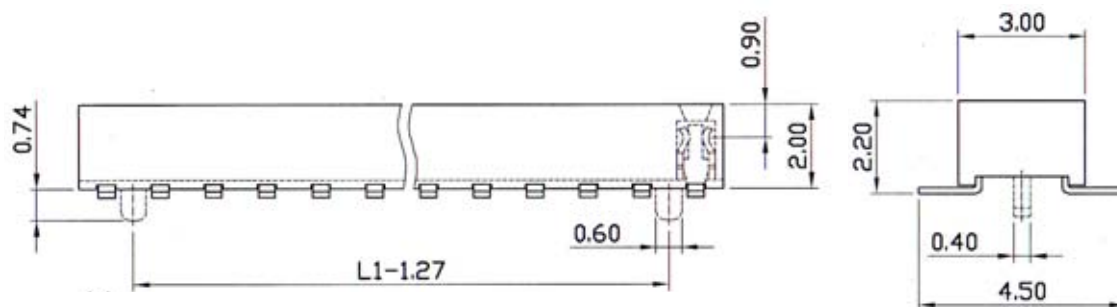


SPECIFICATIONS

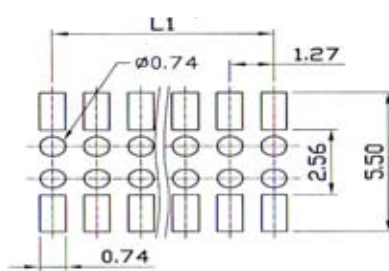
Current Rating: 1.0 Amp
 Dielectric Withstand: 300V AC
 Insulator Resistance: 1000 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T
 Contacts: Copper Alloy
 All materials must be RoHS compliant.



Recommended P.C. Board Layout
(WITH LOCATING PEG)



Recommended P.C. Board Layout
(W/O LOCATING PEG)

DIMENSIONS:

L1 = 1.27 x (No. of Contacts/Row - 1)
 L2 = 1.27 x No. of Contacts/Row + 0.4

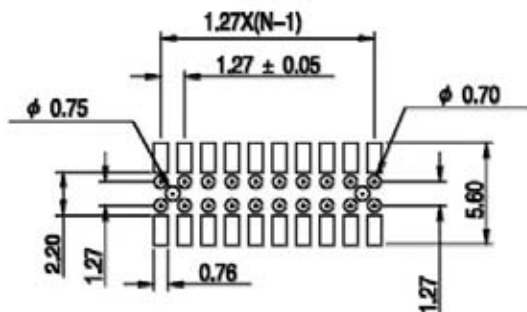
ORDERING INFORMATION:

P/N 1 2 C x x - x x x x B - x
 1 2 3 4

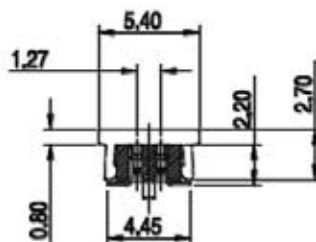
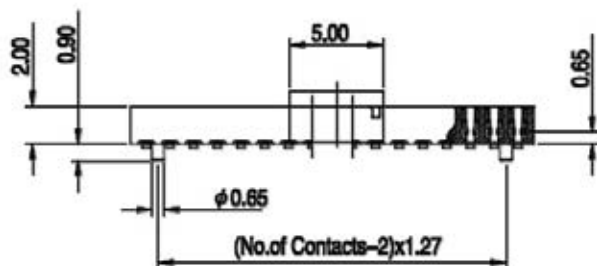
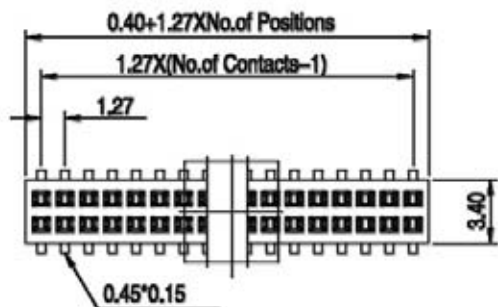
- LOCATING PEG OPTION:
 "C61" W/O LOCATING PEG
 "C62" WITH LOCATING PEG
- NO. OF CONTACTS:
 006 ~ 100
- CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED
- PAD & PACKAGE OPTION:
 "T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM FEMALE HEADER BOTTOM ENTRY SMT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: High Temperature Thermoplastic
UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

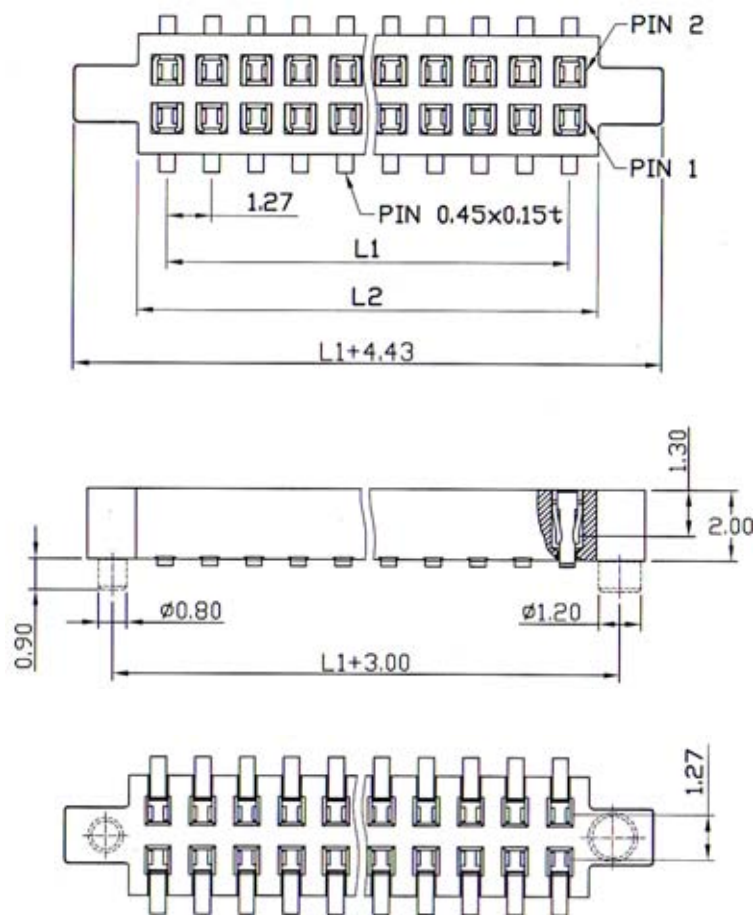
ORDERING INFORMATION:

P/N 1 2 7 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:
"GM" WITHOUT LOCATING PEGS
"FR" WITH LOCATING PEGS
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

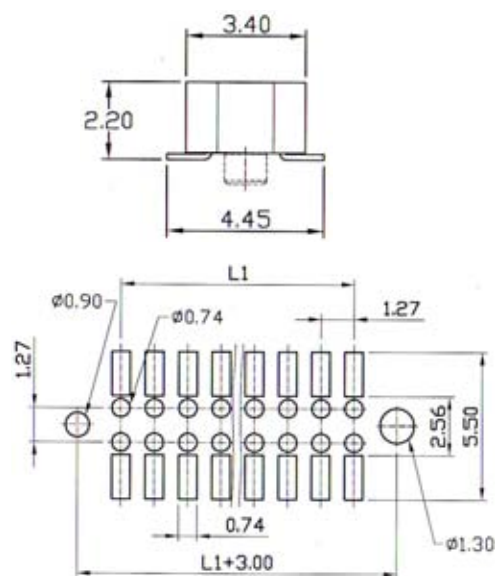
NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM



DIMENSIONS:

L1 = 1.27 x (No. of Contacts/Row - 1)
L2 = 1.27 x No. of Contacts/Row + 0.4



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 C 4 6 - x x x x B - x
1 2 3 4

1. LOCATING PEG OPTION:
"C46" WITH LOCATING PEG
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED
4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

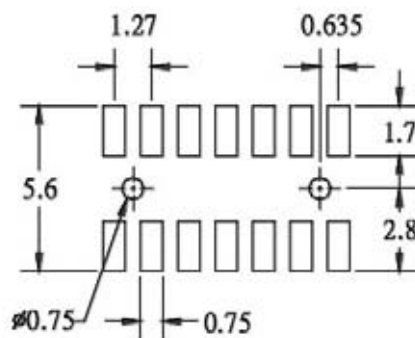
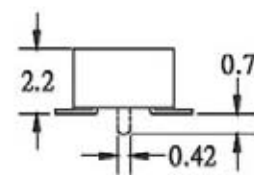
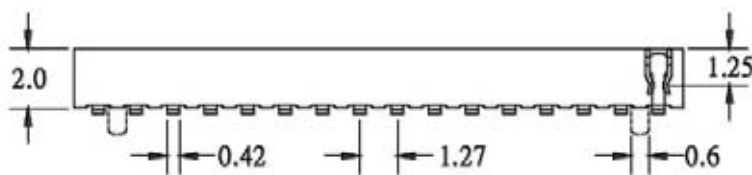
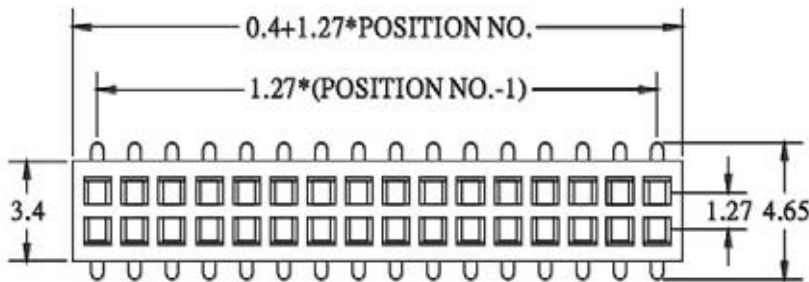
Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

1.27MM x 1.27MM FEMALE HEADER BOTTOM ENTRY SMT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000 MΩ Min.

Dielectric Withstand: 250V AC For 1 Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP, Glass Reinforced, UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B - x
1 2 3 4

1. LOCATING PEG OPTION:
"G01" WITHOUT LOCATING PEGS
"G02" WITH LOCATING PEGS
2. NO. OF CONTACTS:
004 ~ 060
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PAD, FILM & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE = 2.1MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

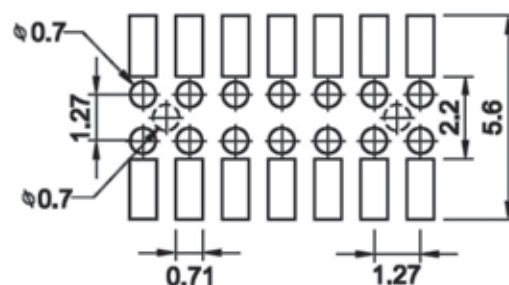
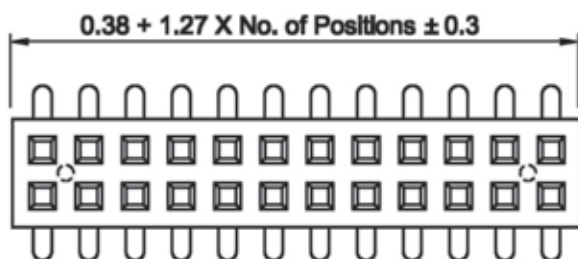
Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

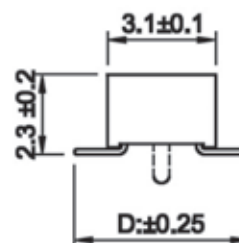
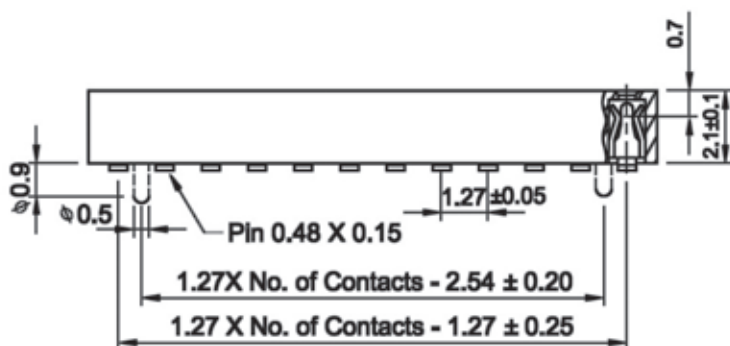
Insulator: Glass Filled Polyester (UL 94V-0)

LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B - x
1 2 3 4

1. LOCATING PEG OPTION:

- "C65" D= 4.5MM W/O LOCATING PEGS
- "C66" D= 4.5MM WITH LOCATING PEGS
- "C67" D= 4.8MM W/O LOCATING PEGS
- "C68" D= 4.8MM WITH LOCATING PEGS

2. NO. OF CONTACTS:

004~100

3. CONTACT FINISH:

- "G" FULL GOLD PLATED
- "S" SELECTIVE GOLD PLATED
- "T" FULL TIN PLATED

4. PAD, FILM & PACKAGE OPTION:

- "T" W/O PAD IN TUBE
- "P" WITH PAD IN TUBE
- "Q" WITH PAD IN TAPE & REEL
- "F" WITH FILM IN TUBE
- "G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=2.1MM, 3.4MM & 4.3MM

HEIGHT		PLASTIC PEG	METAL PEG
X	Y	TYPE A	TYPE B
2.10	2.25	G23	G24
3.40	3.55	G25	G26
4.30	4.45	G27	G28

SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000 MΩ Min.

Dielectric Withstand: 250V AC For 1 Min.

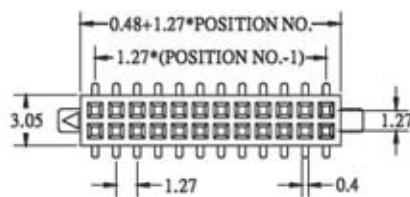
Operating Temperature: -40°C to +105°C

MATERIALS

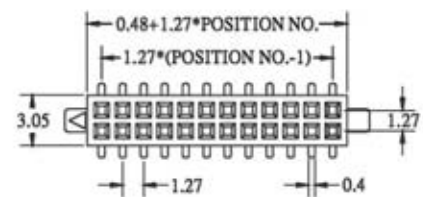
Insulator: LCP, Glass Reinforced, UL94V-0

Contacts: Phosphor Bronze

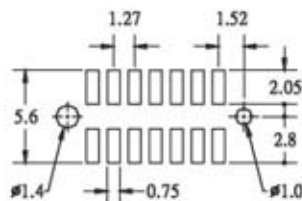
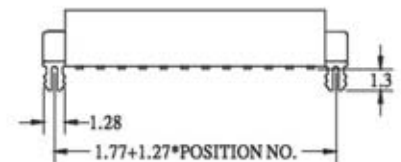
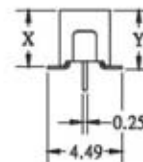
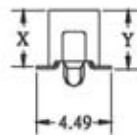
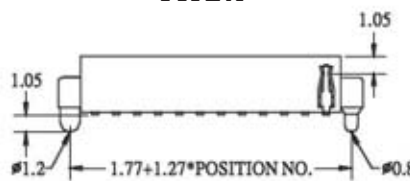
All materials must be RoHS compliant.



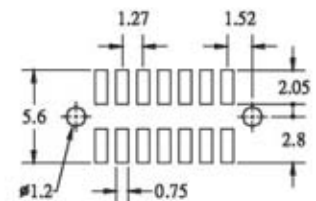
TYPE A



TYPE B



Recommended P.C.Board Layout



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 $\frac{XXX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B - $\frac{X}{4}$

1. INSULATOR HEIGHT & PEG TYPE:

G23, G24, G25, G26, G27, G28

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

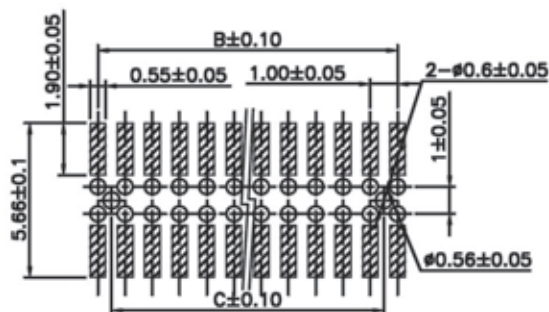
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=3.15MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

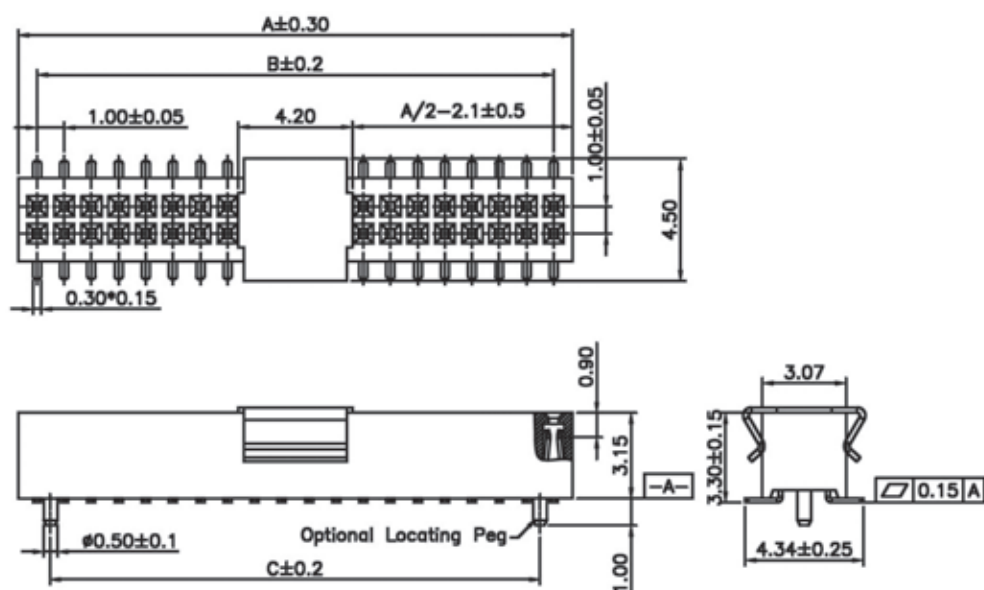
Operating Temperature: -40°C to +125°C

MATERIALS

Insulator: LCP UL94V-0, Black

Contact: Phosphor Bronze

All materials must be RoHS compliant.



$$A = B + 1.40$$

$$B = 2.00 \times (\text{NO. OF CONTACTS / ROW} - 1)$$

$$C = B - 1.00$$

ORDERING INFORMATION:

P/N 1 2 $\frac{x x x}{1}$ - $\frac{x x x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:

"H13" WITHOUT LOCATING PEGS

"H14" WITH LOCATING PEGS

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

"F" WITH FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM FEMALE HEADER WITH INNER LOCATING PEGS DOUBLE ROW SMT TYPE PROFILE = 3.4MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

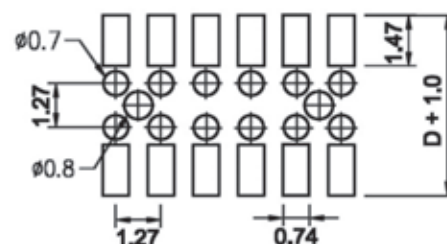
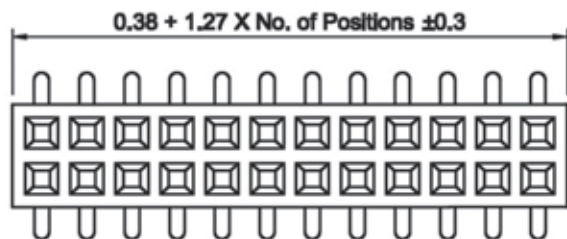
Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

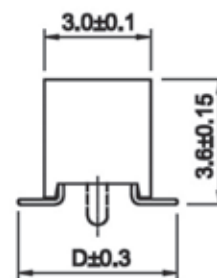
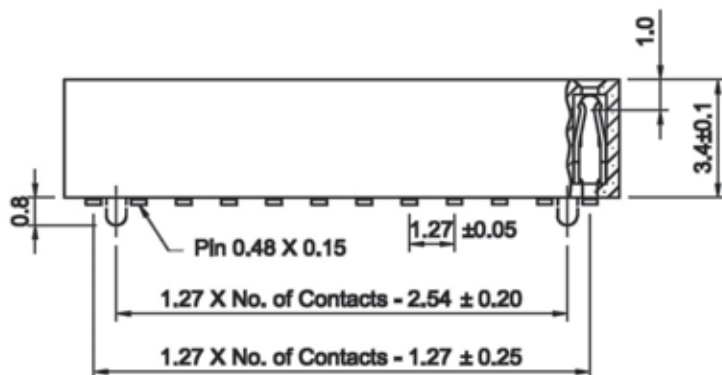
Insulator: Glass Filled Polyester (UL 94V-0)

LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B - x
1 2 3 4

- LOCATING PEG OPTION:
"7TV" D=4.5MM W/O LOCATING PEGS
"C92" D=4.5MM WITH LOCATING PEGS
- NO. OF CONTACTS:
004~100
- CONTACT FINISH:
"G" FULL GOLD PLATED (STANDARD)
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

- PAD, FILM & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL
"F" WITH FILM IN TUBE
"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD
NOTE: SEE 127GV & 127GY FOR D=4.8MM

1.27MM*1.27MM FEMALE HEADER DOUBLE ROW WITH INNER LOCATING PEGS SMT TYPE PROFILE = 3.40MM

SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

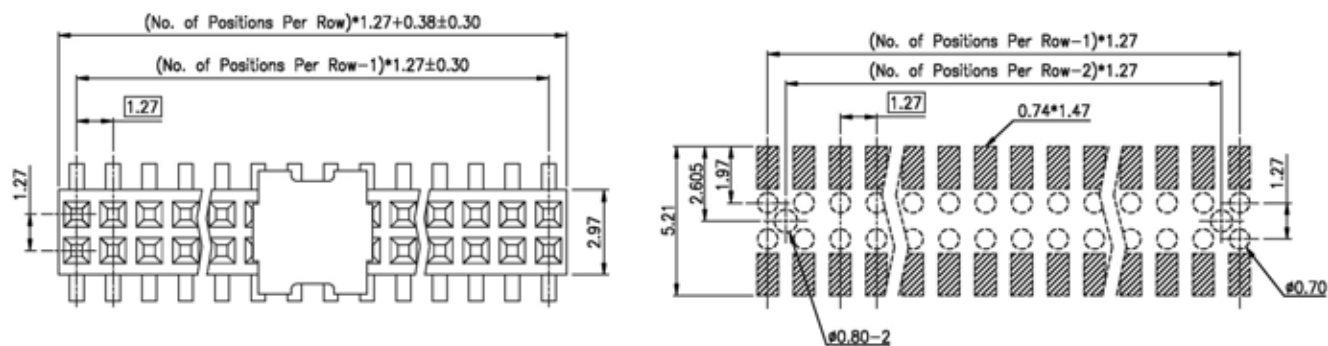
Operating Temperature: -55°C to +105°C

MATERIALS

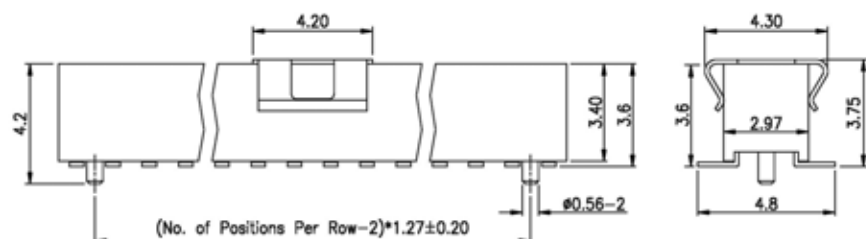
Housing: Hi.-Temp. Plastic (UL 94V-0), Black

Terminal: Copper Alloy, Gold Plating

*** RoHS & REACH compliant.**



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:
"GV" W/O LOCATING PEG
"GY" WITH LOCATING PEGS
2. NO. OF CONTACTS:
006~100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

1.27MM*1.27MM FEMALE HEADER WITH INNER LOCATING PEGS DOUBLE ROW SMT TYPE PROFILE = 4.3MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

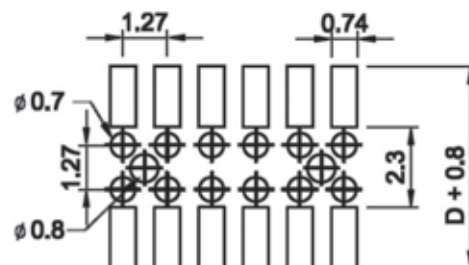
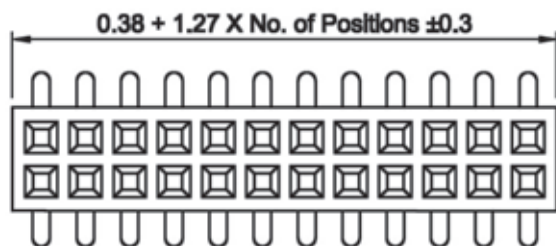
Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

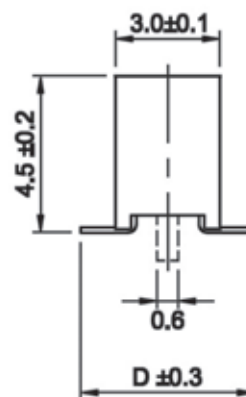
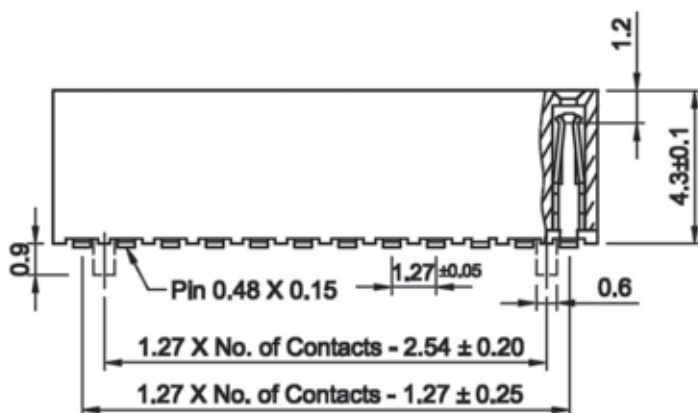
Insulator: Glass Filled Polyester (UL 94V-0)

LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B - x 4

1. LOCATING PEG OPTION:

- "127QL" D=4.5MM W/O LOCATING PEGS
- "12C76" D=4.5MM WITH LOCATING PEGS
- "12D12" D=4.8MM W/O LOCATING PEGS
- "12C78" D=4.8MM WITH LOCATING PEGS

2. NO. OF CONTACTS:

004~100

3. CONTACT FINISH:

- "G" FULL GOLD PLATED (STANDARD)
- "S" SELECTIVE GOLD PLATED
- "T" FULL TIN PLATED

4. PAD, FILM & PACKAGE OPTION:

- "T" W/O PAD IN TUBE
- "P" WITH PAD IN TUBE
- "Q" WITH PAD IN TAPE & REEL
- "F" WITH FILM IN TUBE
- "G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM FEMALE HEADER WITH EXTERNAL LOCATING PEGS & POLARIZATION BUMP SMT TYPE PROFILE = 4.3MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

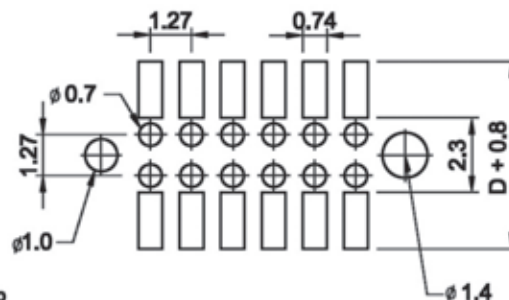
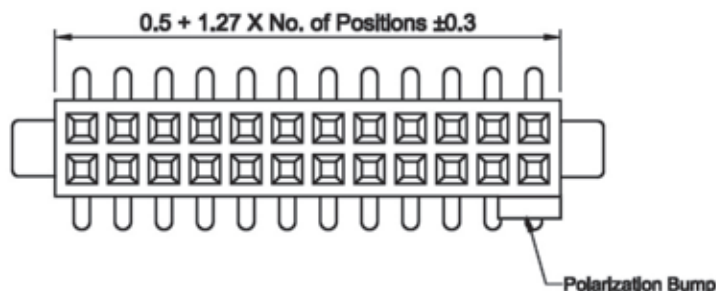
Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

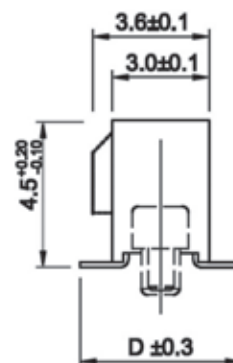
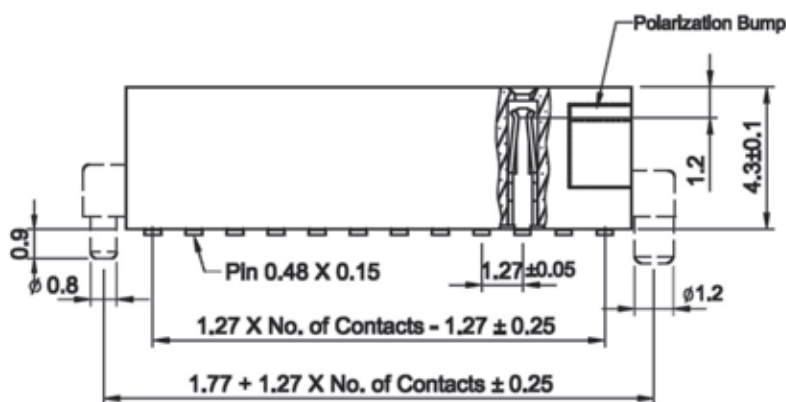
Insulator: Glass Filled Polyester (UL 94V-0)

LCP

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B - x
1 2 3 4

1. LOCATING PEG OPTION:

"12C82" D=4.5MM WITH PEGS & WITH POLARIZATION BUMP

"127QM" D=4.5MM WITH PEGS & W/O POLARIZATION BUMP

"12C84" D=4.8MM WITH PEGS & WITH POLARIZATION BUMP

"12C88" D=4.8MM WITH PEGS & W/O POLARIZATION BUMP

2. NO. OF CONTACTS:

004~100

3. CONTACT FINISH:

"G" FULL GOLD PLATED (STANDARD)

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD, FILM & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

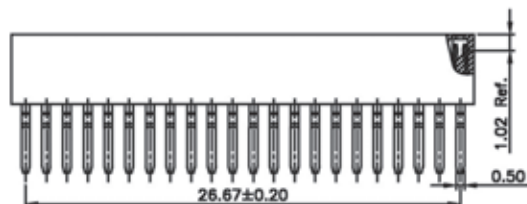
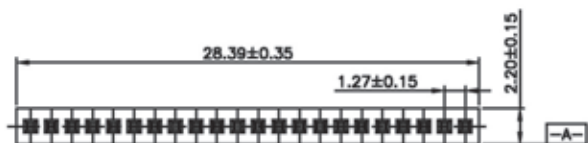
"Q" WITH PAD IN TAPE & REEL

"F" WITH FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM FEMALE HEADER SINGLE ROW RIGHT ANGLE SMT TYPE PROFILE=4.30MM



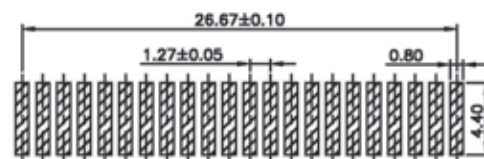
P/N 12H15-022GB-x

SPECIFICATIONS

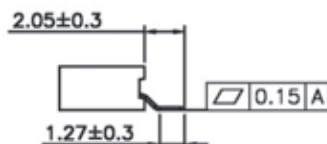
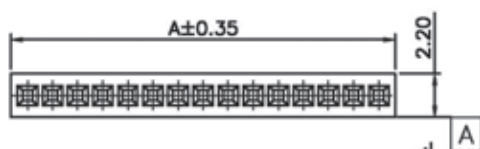
Current Rating: 1.0 A
Voltage Rating: 100V AC/DC
Contact Resistance: 30mΩ Max.
Insulator Resistance: 500MΩ Min.
Withstanding Voltage: 500V AC/Min.
Operating Temperature: -25°C to +105°C

MATERIALS

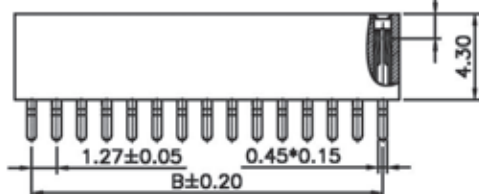
Insulator: NY6T UL94V-0, Black
Contact: Phosphor Bronze
All materials must be RoHS compliant.



Recommended P.C.Board Layout

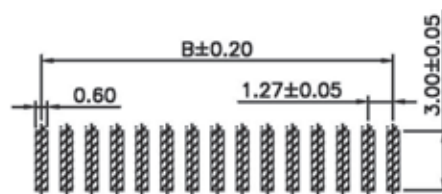


12H16



$$A = B + 1.67$$

$$B = 1.27 \times (\text{NO. OF CONTACTS} - 1)$$



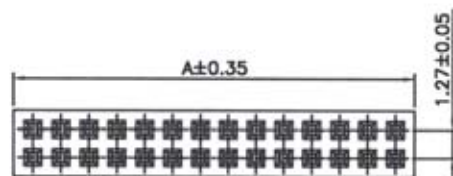
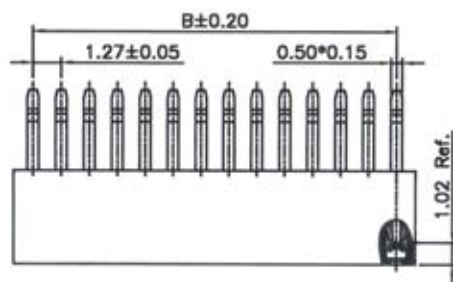
Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 $\frac{x \ x \ x}{1}$ - $\frac{x \ x \ x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

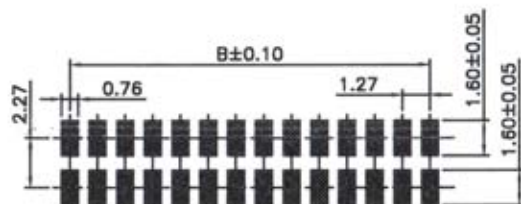
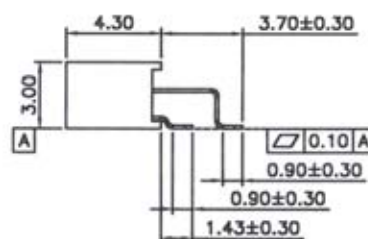
- PCB LENGTH:
"H15" 4.21MM
"H16" 2.05MM
- NO. OF CONTACTS:
12H15: 022
12H16: 002~050
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED
- PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW HORIZONTAL SMT TYPE PROFILE=4.30MM



$$A = B + 1.72$$

$$B = 1.27 \times (\text{NO. OF CONTACTS} / \text{ROW} - 1)$$



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC, DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 5000MΩ Min.

Operating Temperature: -25°C to +105°C

MATERIALS

Insulator: NY6T or LCP UL94V-0, Black

Contact: Phosphor Bronze

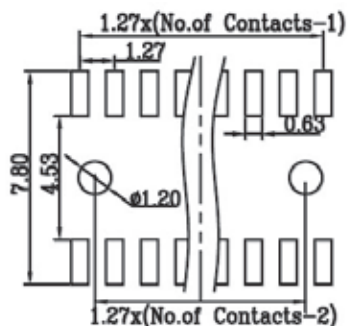
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 7 G E - x x x x B - x
1 2 3 4

1. CONTACT TYPE:
"GE" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW SIDE ENTRY SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

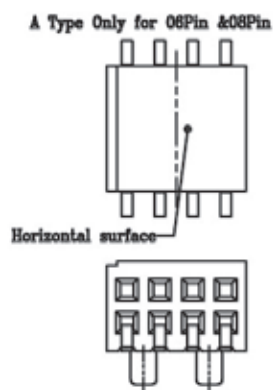
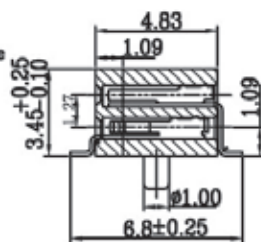
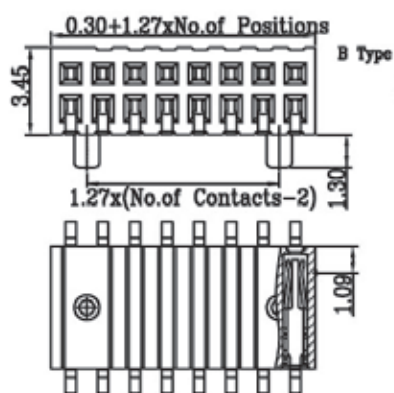
Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: High Temperature Thermoplastic
UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 D 0 6 - x x x x B - x
1 2 3 4

1. LOCATING PEG OPTION:

"D06" WITH LCOATING PEG

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

1.27MM*1.27MM FEMALE HEADER SIDE ENTRY SMT TYPE PROFILE = 3.45MM

SPECIFICATIONS

Rating Current: 1 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

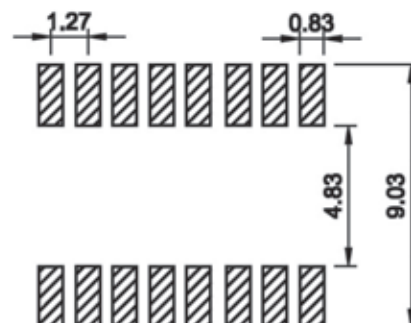
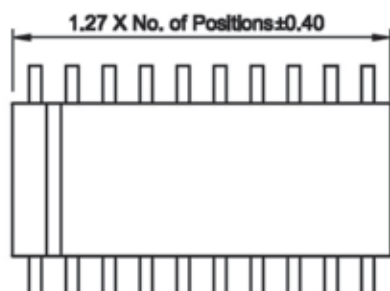
MATERIALS

Contact Material: Phosphor Bronze

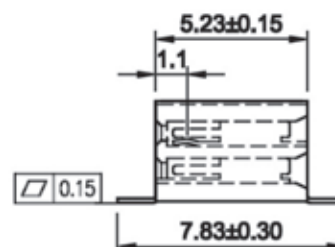
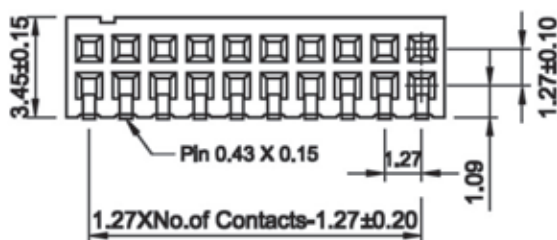
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)
Nylon-6T

* RoHS & REACH compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 1 2 D 0 5 - x x x x B - x
1 2 3 4

1. LOCATING PEG OPTION:

"D05" W/O LOCATING PEGS

2. NO. OF CONTACTS:

006~100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD, FILM & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

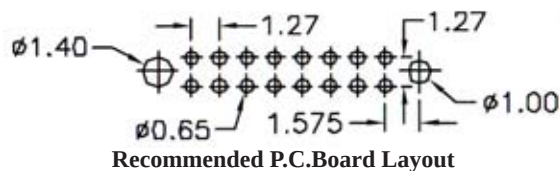
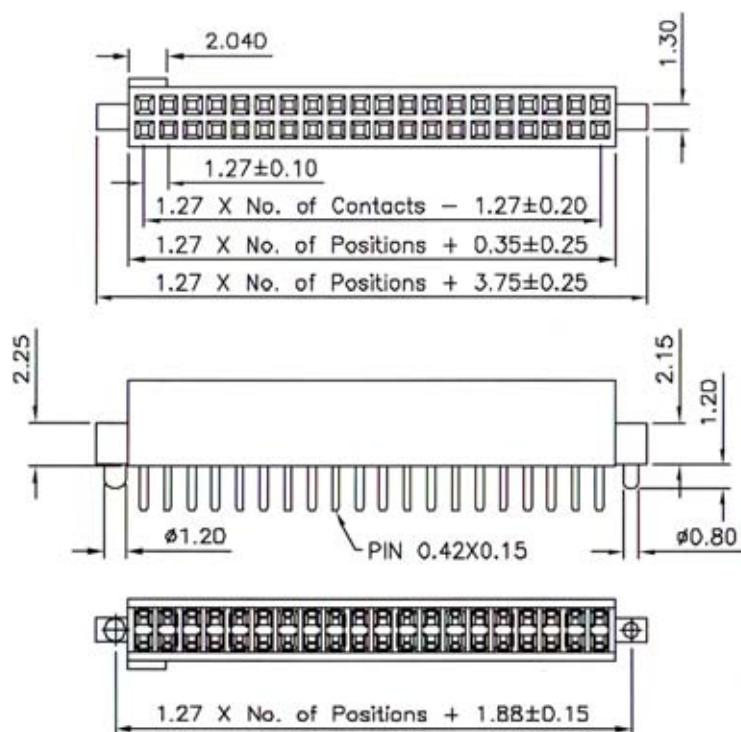
"Q" WITH PAD IN TAPE & REEL

"F" WITH FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM FEMALE HEADER DIP TYPE PROFILE=4.40MM (BTB-01)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

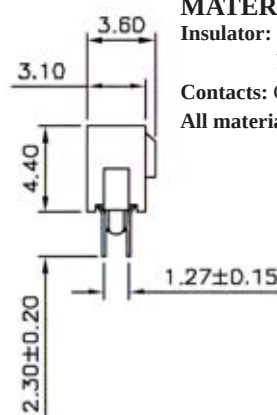
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 7 B T - x x x x B - x
1 2 3 4

1. LOCATING PEG OPTION:

"BT" WITH LOCATING PEG

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

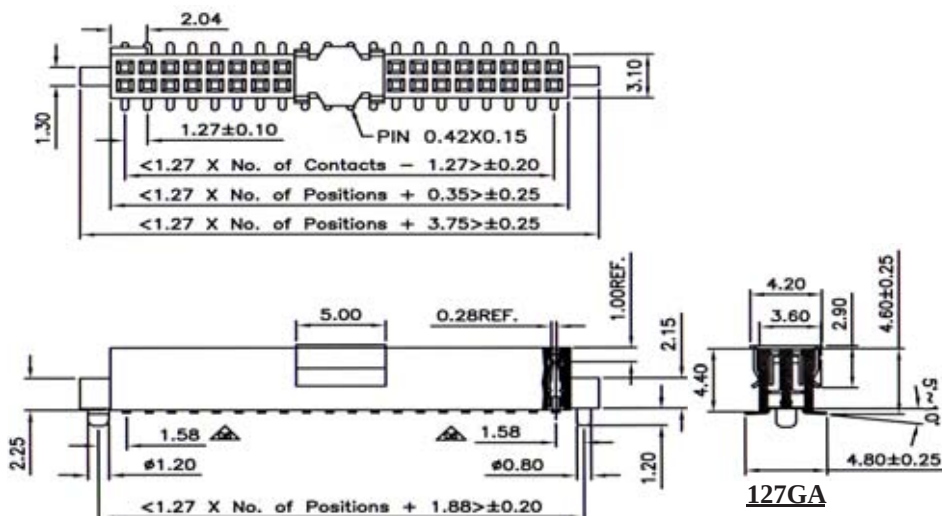
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: MATES WITH 12D41-12D68

& 12E41-12E68 (SEE PAGE F2203!)

1.27MM x 1.27MM FEMALE HEADER SMT TYPE PROFILE= 4.40MM (BTB-02)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

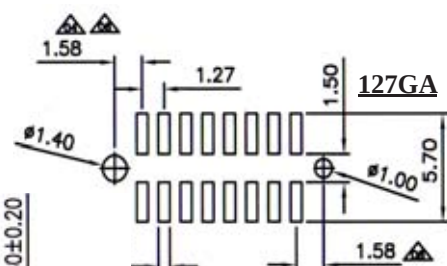
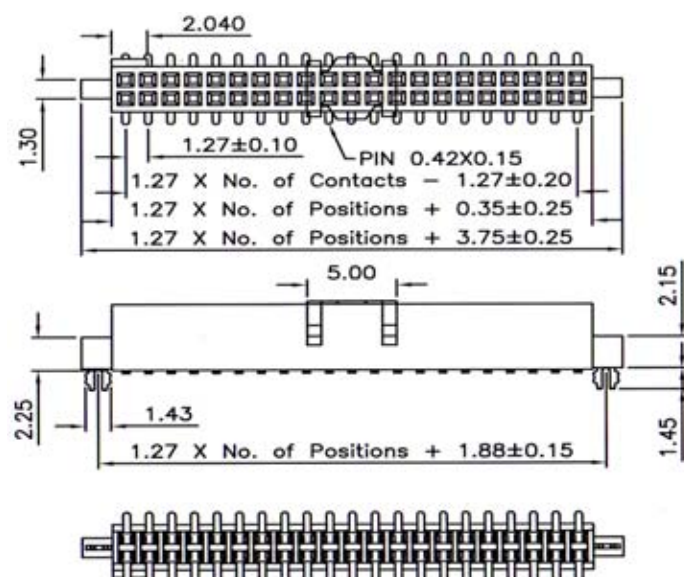
MATERIALS

Insulator: Polyester LCP, UL94V-0

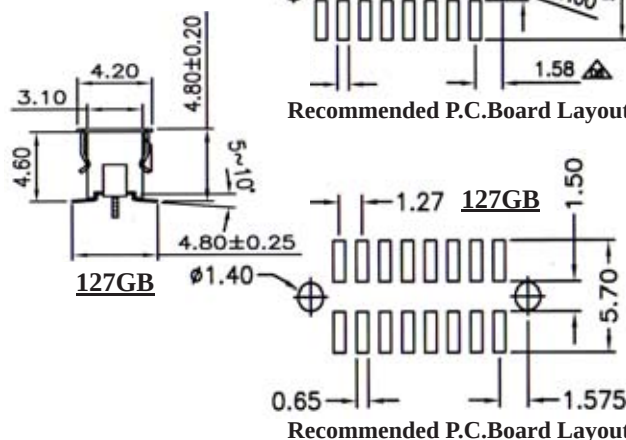
Contacts: Copper Alloy

All materials must be RoHS compliant.

127GA



Recommended P.C. Board Layout



Recommended P.C. Board Layout

ORDERING INFORMATION:

P/N 1 2 7 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. MOUNTING TYPE OPTION:

"GA" POLAR KEY TYPE

"GB" BOARD LOCK TYPE

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: MATES WITH 12D41-12D68

& 12E41-12E68 (SEE NEXT PAGE!)

1.27MM x 1.27MM STACKED HEIGHTS OF FEMALE & BOX HEADERS (BTB-03)

TABLE 1:

STACKED HEIGHT	BOX HEADER (MALE)		FEMALE HEADER
	PART NO. (SMT TYPE)	DIM. B	PART NO. (SMT TYPE)
6.6	12E41-xxxxB-x	5.6	127GA-xxxxB-x or 127GB-xxxxB-x
7.8	12E42-xxxxB-x	6.8	
12.2	12E43-xxxxB-x	11.2	
10.0	12E44-xxxxB-x	9.0	
11.7	12E45-xxxxB-x	10.7	
16.6	12E46-xxxxB-x	15.6	
16.2	12E47-xxxxB-x	15.2	
15.1	12E48-xxxxB-x	14.1	
10.4	12E49-xxxxB-x	9.4	
13.2	12E50-xxxxB-x	12.2	
10.6	12E51-xxxxB-x	9.6	
11.3	12E53-xxxxB-x	10.3	
12.5	12E54-xxxxB-x	11.5	
12.0	12E55-xxxxB-x	11.0	
15.2	12E58-xxxxB-x	14.2	
19.9	12E59-xxxxB-x	18.9	
11.4	12E62-xxxxB-x	10.4	
11.2	12E64-xxxxB-x	10.2	
18.3	12E65-xxxxB-x	17.3	
14.5	12E66-xxxxB-x	13.5	
18.6	12E67-xxxxB-x	17.6	
19.6	12E68-xxxxB-x	18.6	

TABLE 2:

STACKED HEIGHT	BOX HEADER (MALE)		FEMALE HEADER
	PART NO. (SMT TYPE)	DIM. B	PART NO. (DIP TYPE)
6.45	12E41-xxxxB-x	5.6	127BT-xxxxB-x
7.65	12E42-xxxxB-x	6.8	
12.05	12E43-xxxxB-x	11.2	
9.85	12E44-xxxxB-x	9.0	
11.55	12E45-xxxxB-x	10.7	
16.45	12E46-xxxxB-x	15.6	
16.05	12E47-xxxxB-x	15.2	
14.95	12E48-xxxxB-x	14.1	
10.25	12E49-xxxxB-x	9.4	
13.05	12E50-xxxxB-x	12.2	
10.45	12E51-xxxxB-x	9.6	
11.15	12E53-xxxxB-x	10.3	
12.35	12E54-xxxxB-x	11.5	
11.85	12E55-xxxxB-x	11.0	
15.05	12E58-xxxxB-x	14.2	
19.75	12E59-xxxxB-x	18.9	
11.25	12E62-xxxxB-x	10.4	
11.05	12E64-xxxxB-x	10.2	
18.15	12E65-xxxxB-x	17.3	
14.35	12E66-xxxxB-x	13.5	
18.45	12E67-xxxxB-x	17.6	
19.45	12E68-xxxxB-x	18.6	

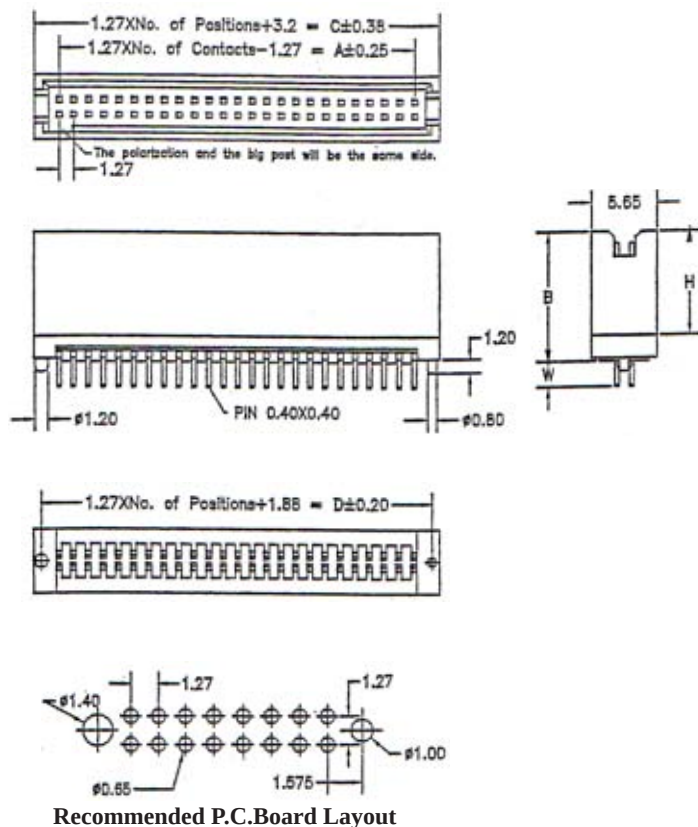
TABLE 3:

STACKED HEIGHT	BOX HEADER (MALE)		FEMALE HEADER
	PART NO. (DIP TYPE)	DIM. B	PART NO. (DIP TYPE)
6.05	12D41-xxxxB-x	5.7	127BT-xxxxB-x
7.65	12D42-xxxxB-x	7.3	
11.85	12D43-xxxxB-x	11.5	
9.65	12D44-xxxxB-x	9.3	
11.35	12D45-xxxxB-x	11.0	
16.25	12D46-xxxxB-x	15.9	
15.85	12D47-xxxxB-x	15.5	
14.75	12D48-xxxxB-x	14.4	
10.05	12D49-xxxxB-x	9.7	
12.85	12D50-xxxxB-x	12.5	
10.25	12D51-xxxxB-x	9.9	
10.95	12D53-xxxxB-x	10.6	
12.15	12D54-xxxxB-x	11.8	
11.65	12D55-xxxxB-x	11.3	
14.85	12D58-xxxxB-x	14.5	
19.55	12D59-xxxxB-x	19.2	
11.05	12D62-xxxxB-x	10.7	
10.85	12D64-xxxxB-x	10.5	
17.95	12D65-xxxxB-x	17.6	
14.15	12D66-xxxxB-x	13.8	
18.25	12D67-xxxxB-x	17.9	
19.25	12D68-xxxxB-x	18.9	

TABLE 4:

STACKED HEIGHT	BOX HEADER (MALE)		FEMALE HEADER
	PART NO. (DIP TYPE)	DIM. B	PART NO. (SMT TYPE)
6.2	12D41-xxxxB-x	5.7	127GA-xxxxB-x or 127GB-xxxxB-x
7.8	12D42-xxxxB-x	7.3	
12.0	12D43-xxxxB-x	11.5	
9.8	12D44-xxxxB-x	9.3	
11.5	12D45-xxxxB-x	11.0	
16.4	12D46-xxxxB-x	15.9	
16.0	12D47-xxxxB-x	15.5	
14.9	12D48-xxxxB-x	14.4	
10.2	12D49-xxxxB-x	9.7	
13.0	12D50-xxxxB-x	12.5	
10.4	12D51-xxxxB-x	9.9	
11.1	12D53-xxxxB-x	10.6	
12.3	12D54-xxxxB-x	11.8	
11.8	12D55-xxxxB-x	11.3	
15.0	12D58-xxxxB-x	14.5	
19.7	12D59-xxxxB-x	19.2	
11.2	12D62-xxxxB-x	10.7	
11.0	12D64-xxxxB-x	10.5	
18.1	12D65-xxxxB-x	17.6	
14.3	12D66-xxxxB-x	13.8	
18.4	12D67-xxxxB-x	17.9	
19.4	12D68-xxxxB-x	18.9	

1.27MM x 1.27MM BOX HEADERS DIP TYPE WITH VARIOUS PROFILES (BTB-04)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

HEIGHT CODE	DIM. B (mm)	HEIGHT CODE	DIM. B (mm)
D41	5.7	D53	10.6
D42	7.3	D54	11.8
D43	11.5	D55	11.3
D44	9.3	D58	14.5
D45	11.0	D59	19.2
D46	15.9	D62	10.7
D47	15.5	D64	10.5
D48	14.4	D65	17.6
D49	9.7	D66	13.8
D50	12.5	D67	17.9
D51	9.9	D68	18.9

ORDERING INFORMATION:

P/N 1 2 $\frac{xxx}{1}$ - $\frac{xxxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. HEIGHT OPTION:(W= 2.30MM)

D41, D42, D43, D44, D45, D46, D47, D48,
D49, D50, D51, D53, D54, D55, D58, D59,
D62, D64, D65, D66, D67, D68

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

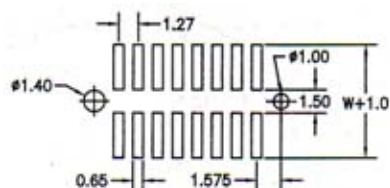
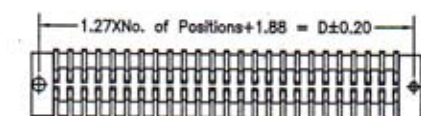
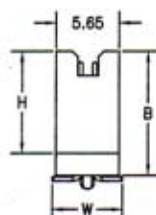
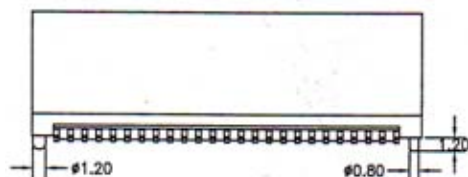
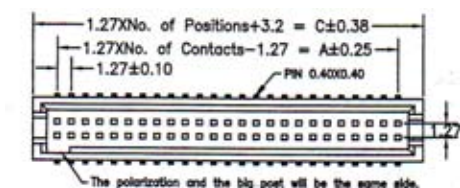
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE:1. MATES WITH 127GA, 127GB & 127BT

2. STACKED HEIGHTS: PLEASE SEE
PAGE F2203!

1.27MM x 1.27MM BOX HEADERS SMT TYPE WITH VARIOUS PROFILES (BTB-05)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Polyester LCP, UL94V-0

Contacts: Copper Alloy

All materials must be RoHS compliant.

HEIGHT CODE	DIM. B (mm)	HEIGHT CODE	DIM. B (mm)
E41	5.6	E53	10.3
E42	6.8	E54	11.5
E43	11.2	E55	11.0
E44	9.0	E58	14.2
E45	10.7	E59	18.9
E46	15.6	E62	10.4
E47	15.2	E64	10.2
E48	14.1	E65	17.3
E49	9.4	E66	13.5
E50	12.2	E67	17.6
E51	9.6	E68	18.6

ORDERING INFORMATION:

P/N 1 2 $\frac{xxx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. HEIGHT OPTION:(W= 6.30MM)

E41, E42, E43, E44, E45, E46, E47, E48,
E49, E50, E51, E53, E54, E55, E58, E59,
E62, E64, E65, E66, E67, E68

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE:1. MATES WITH 127GA, 127GB & 127BT

2. STACKED HEIGHTS: PLEASE SEE
PAGE F2203!

1.27MM 0.40MMSQ PIN HEADER STRAIGHT TYPE PROFILE=1.00MM

SPECIFICATIONS

Current Rating: 1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

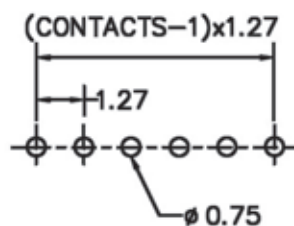
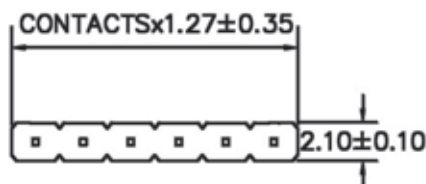
Operating Temperature: -55°C to +105°C

MATERIALS

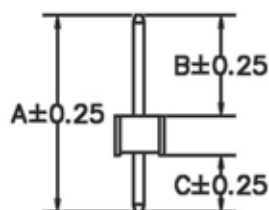
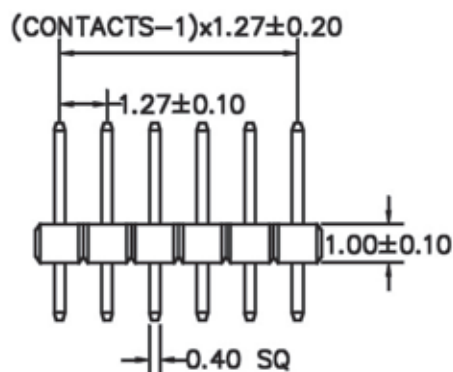
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



CODE	B	C
A01	3.0	2.3
A02	2.1	3.2
A03	3.0	3.3
A04	4.8	1.5
A05	3.0	4.2
A06	6.0	3.0
B41	3.5	1.8
B47	2.7	2.3
B49	1.9	2.3
B51	1.6	2.3

ORDERING INFORMATION:

P/N 1 2 Axx - xxx x B
1 2 3

1. TERMINAL CODE:

A01, A02, A03, A04, A05,
A06, B41, B47, B49, B51

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGN!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT DIP TYPE ROFILE=1.00MM

SPECIFICATIONS

Current Rating: 1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC Min.

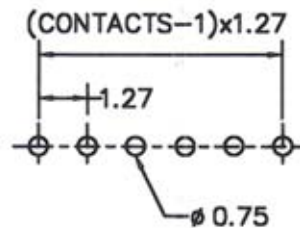
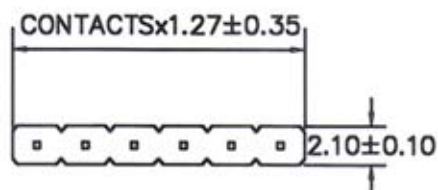
Operating Temperature: -55°C to +105°C

MATERIALS

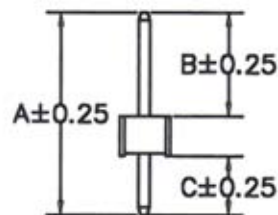
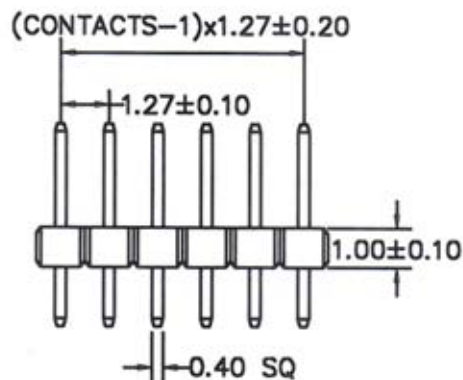
Insulator: Nylon 6T, UL94V-0

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 1 2 4 1 S 1 - A/B/C - x x x x B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B

1. EXTERIOR CODE:

1S1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

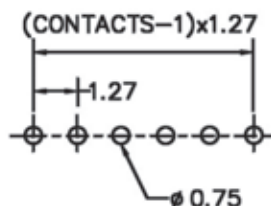
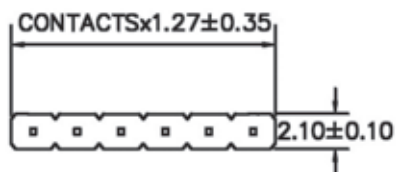
4. CONTACT FINISH:

"G" FULL GOLD PLATED

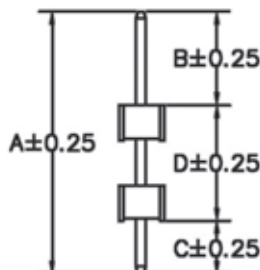
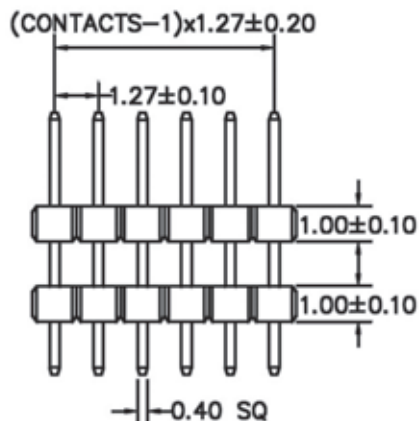
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

H=1.0MM SINGLE ROW	DIMENSIONS(MM)		
	B	C	D
QR	2.40	2.40	2.50
QS	3.00	2.30	2.00
QT	3.00	2.85	2.35
QU	3.00	2.85	8.48
RA	3.00	2.85	9.18
RB	3.00	3.00	12.50
LM	1.65	1.15	2.35
LN	1.65	1.90	2.35
LP	1.65	2.30	2.35
LQ	1.65	1.15	6.35
LR	1.65	1.90	6.35
LS	1.65	2.30	6.35

ORDERING INFORMATION:

P/N 1 2 7 XX - XXX X B
1 2 3

1. PIN LENGTH:

QR, QS, QT, QU, RA, RB,
LM, LN, LP, LQ, LR, LS

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

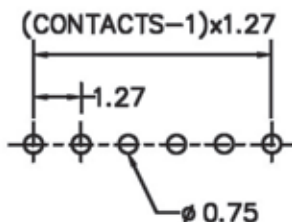
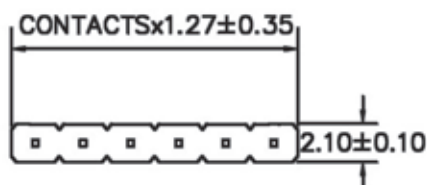
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE=1.00MM

SPECIFICATIONS

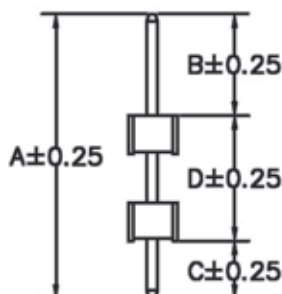
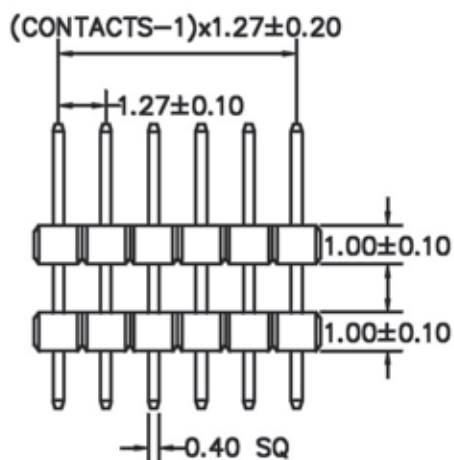
Current Rating: 1 A
Contact Resistance: 20mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 1000V AC/Min.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Copper Alloy
All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

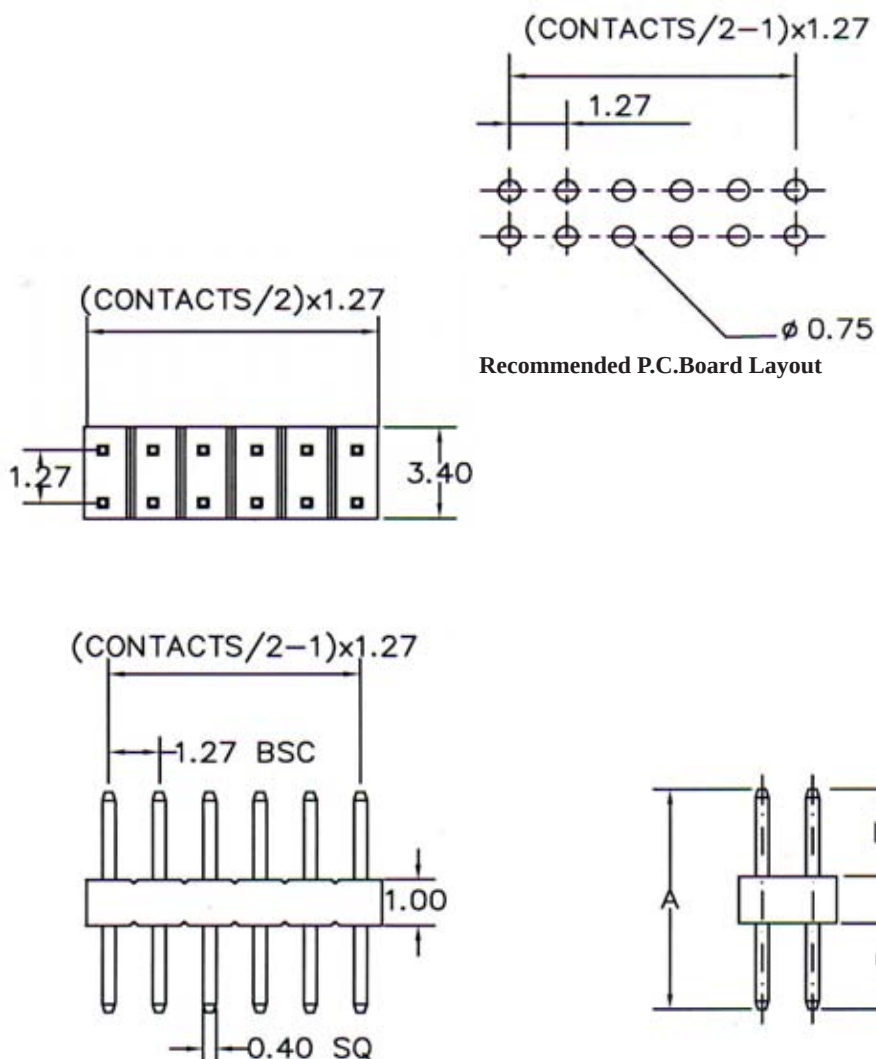
CODE: 1 2 4 1 S 2 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
1S2
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER STRAIGHT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp
 Dielectric Withstand: 600V AC
 Insulator Resistance: 5000 MΩ min.
 Contact Resistance: 30mΩ Max.
 Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 Nylon-6T
 Contacts: Copper Alloy
 All materials must be RoHS compliant.

H=1.0mm	B(mm)	C(mm)
PU	3.0	2.3
PV	2.1	3.2
PW	3.0	3.3
PX	4.8	1.5
PY	3.0	4.2
PZ	6.0	3.0
RM	3.0	2.6
QV	3.5	1.8
VT	2.7	2.3
VV	1.9	2.3
WA	1.6	2.3

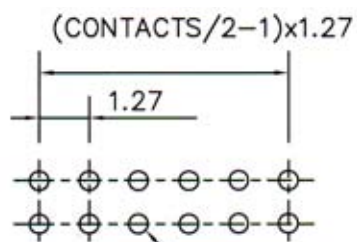
ORDERING INFORMATION:

P/N 1 2 7 xx - xxxx B
 1 2 3

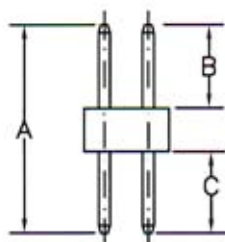
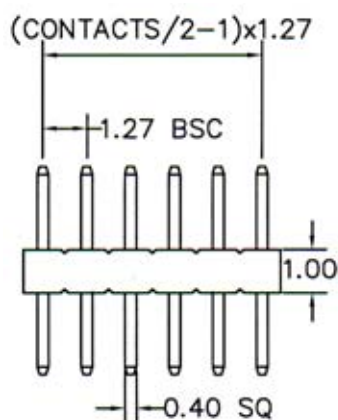
- CONNECTOR TYPE:
PU, PV, PW, PX, PY, PZ, RM, QV, VT, VV, WA
- NO. OF CONTACTS:
004 ~ 100
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

Diagram illustrating the layout of a 2xN array of contacts. The array consists of two rows of contacts. The width of the array is labeled as $(\text{CONTACTS}/2) \times 1.27$. The height of the array is labeled as 3.40. The spacing between contacts in a row is labeled as 1.27.



Recommended P.C.Board Layout



Operating Temperature: -55°C to + 105°C

Nylon-6T

Contacts: Copper Alloy

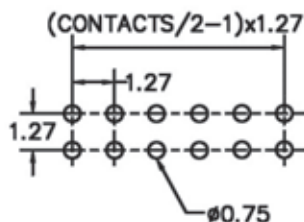
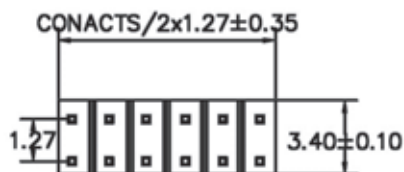
All materials must be RoHS compliant.

CODE: 1 3 3 2 S 6 - A/B/C - x x x x B
 1 2 3 4

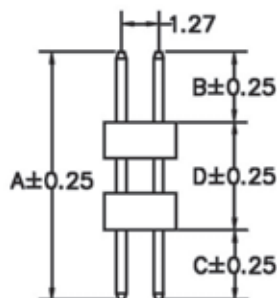
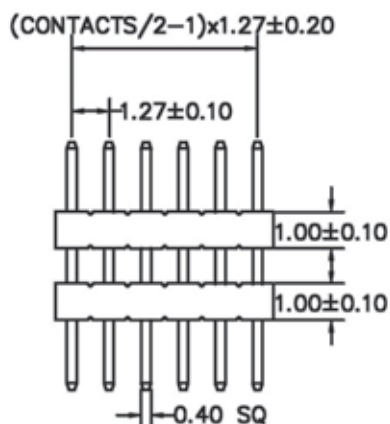
$$\mathbf{P/N} \quad \mathbf{P} \frac{\mathbf{XX}}{\mathbf{YY}} \frac{\mathbf{XX}}{\mathbf{MM}} \frac{\mathbf{XX}}{\mathbf{DD}} \mathbf{X} - \frac{\mathbf{XXX}}{3} \frac{\mathbf{X}}{4} \mathbf{B}$$

1. EXTERIOR CODE:
2S6
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

H=1.0MM SINGLE ROW	DIMENSIONS(MM)		
	B	C	D
QE	2.40	2.40	2.50
QF	3.00	2.30	2.00
QG	3.00	2.85	2.35
QH	3.00	2.85	8.48
QJ	3.00	2.85	9.18
QK	3.00	3.00	12.50
LT	1.65	1.15	2.35
LU	1.65	1.90	2.35
LV	1.65	2.30	2.35
RR	1.65	1.15	6.35
RS	1.65	1.90	6.35
RX	1.65	2.30	6.35
WC	3.00	2.85	8.45
WD	3.00	2.85	9.15

ORDERING INFORMATION:

P/N 1 2 7 XX - XXX X B
1 2 3

1. PIN LENGTH:

QE, QF, QG, QH, QJ, QK, LT,
LU, LV, RR, RS, RX, WC, WD

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

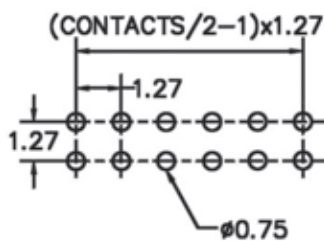
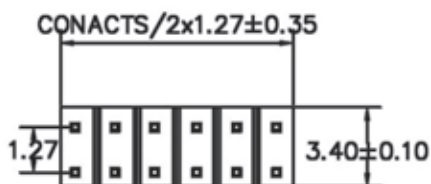
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

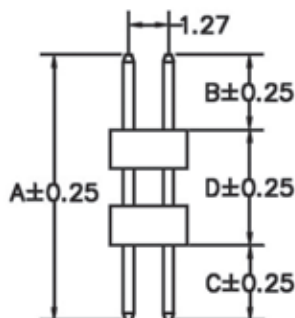
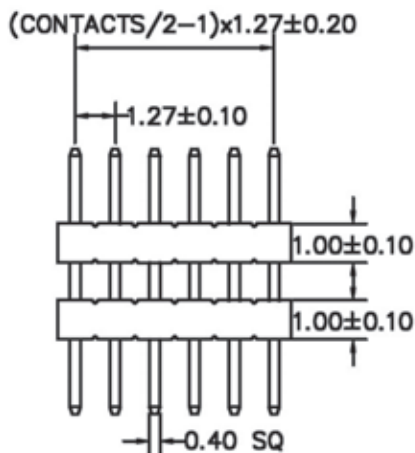
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

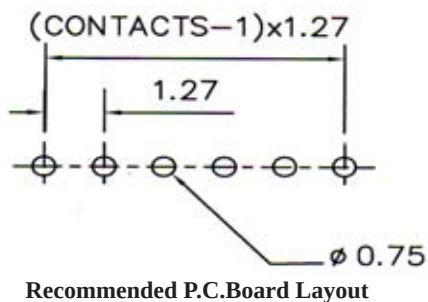
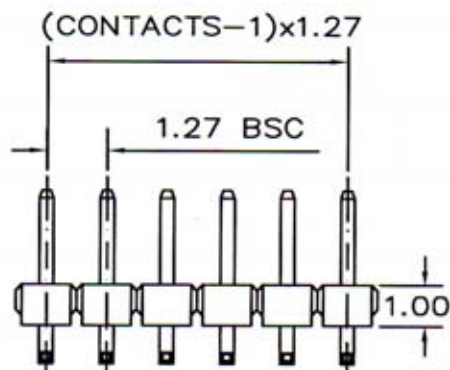
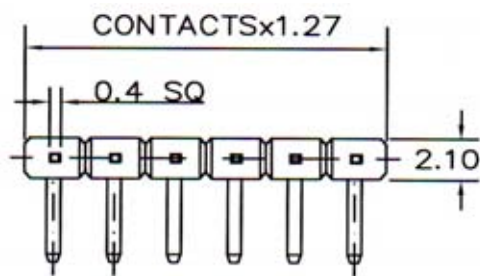
CODE: 1 3 3 2 S 8 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2S8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER RIGHT ANGLE TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -55°C to +105°C

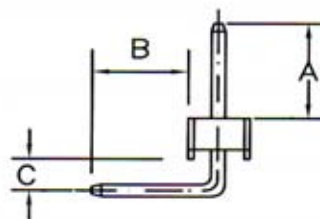
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Terminal Code:

H=1.0mm	A(mm)	B(mm)	C(mm)
A13	2.7	2.3	1.5
A14	3.0	2.3	1.5
A15	1.9	2.3	2.2
A16	1.6	2.3	2.2
B53	3.8	2.5	1.0
B54	6.7	1.3	1.6
B55	3.7	2.7	0.9
B56	3.4	1.3	1.2

ORDERING INFORMATION:

P/N 1 2 Axx - xxx x B

1. TERMINAL CODE:

A13, A14, A15, A16, B53, B54, B55, B56

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

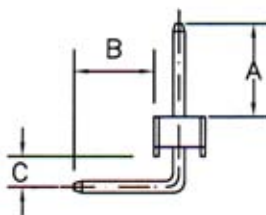
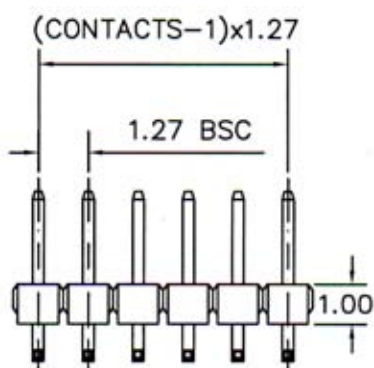
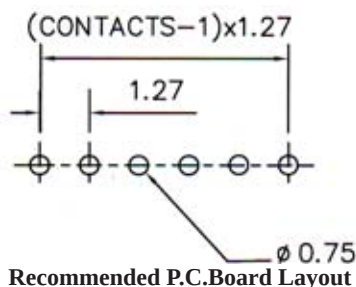
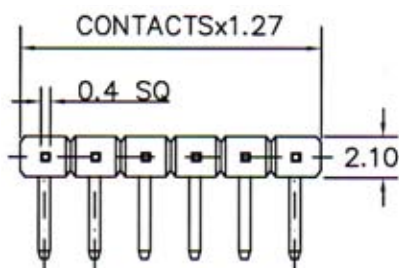
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 4 1 D 1 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1D1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

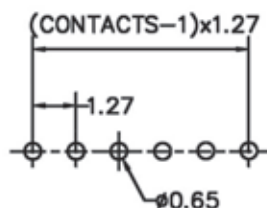
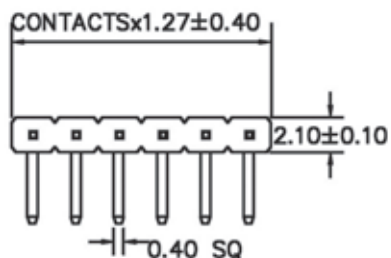
4. CONTACT FINISH:

"G" FULL GOLD PLATED

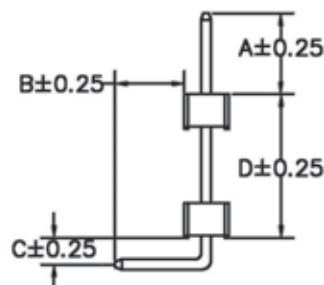
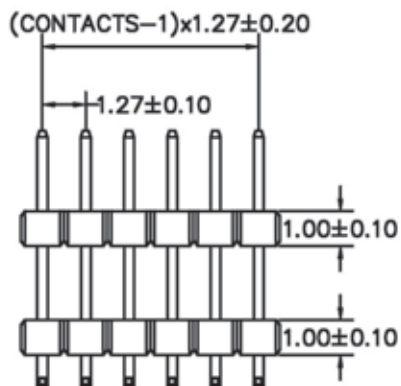
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	DIMENSIONS(MM)			
	A	B	C	D
N11	2.2	3.1	1.7	4.0
N12	2.2	3.1	1.7	4.7
N13	3.0	6.0	1.7	10.0

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B
 1 2 3

1. PIN LENGTH:

N11, N12, N13

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

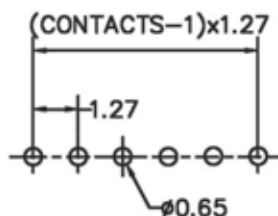
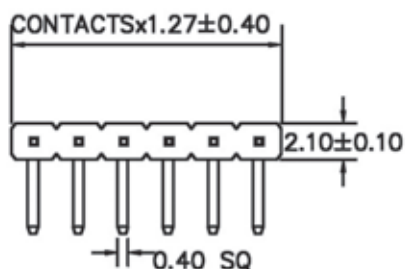
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

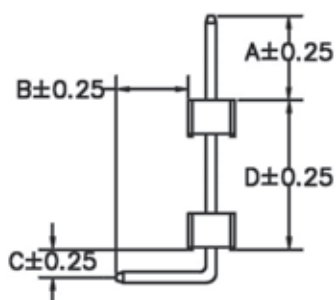
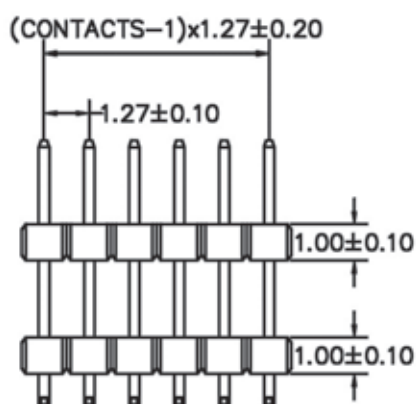
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 4 1 D 4 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1D4

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

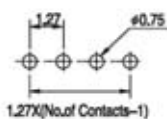
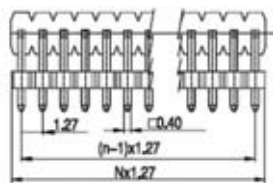
4. CONTACT FINISH:

"G" FULL GOLD PLATED

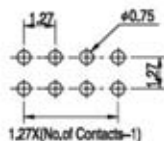
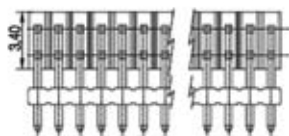
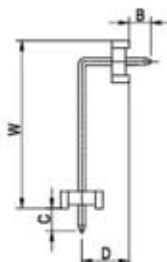
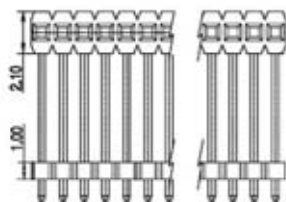
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

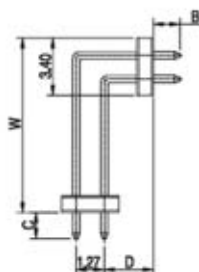
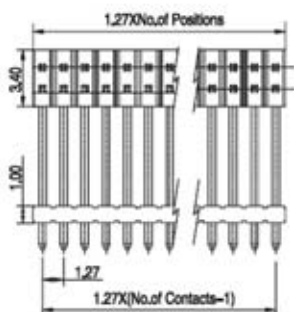
1.27MM x 1.27MM PIN HEADER RIGHT ANGLE DIP TYPE ROFILE=1.00MM



Recommended P.C.Board Layout



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 A

Insulator Resistance: 500MΩ Min.

Dielectric Strength: 500V AC Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: High Temperature Thermoplastic, UL94V-0

Contact: Copper Alloy

All materials must be RoHS compliant.

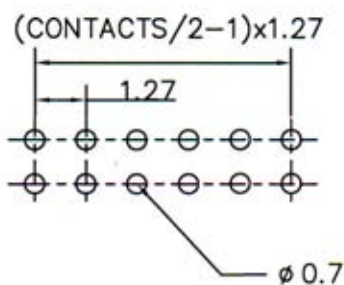
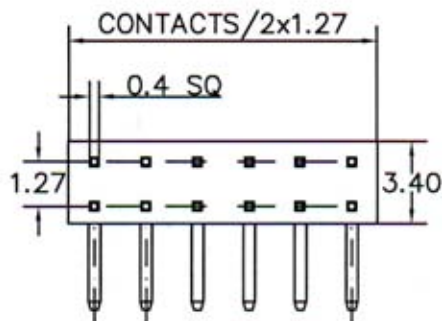
SINGLE ROW	DOUBLE ROW	B	C	D	W
B07	B09	3.10	3.30	3.80	7.00
B08	B10	3.10	3.30	3.80	8.50

ORDERING INFORMATION:

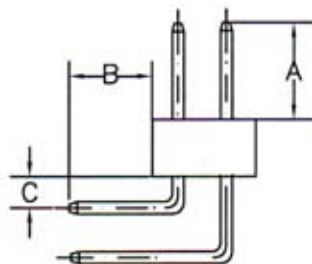
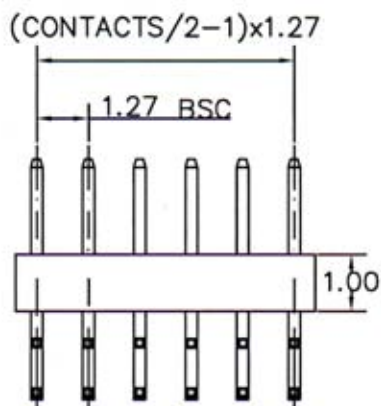
P/N 1 2 xxx - xxx x B
 1 2 3

- CONTACT TYPE:
B07, B08, B09, B10
- NO. OF CONTACTS:
002 ~ 050 FOR SINGLE ROW
004 ~ 100 FOR DOUBLE ROW
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE ROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 500V AC Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon 6T

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	A	B	C
A93	2.80	2.60	2.50
A94	4.00	2.60	2.50
A95	6.00	2.60	2.50
A96	3.80	2.50	1.00
A97	3.50	0.50	2.10
A98	2.10	1.60	2.50
A99	4.00	1.00	1.00

ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B
1 2 3

1. PIN LENGTH:

A93, A94, A95, A96, A97, A98, A99

2. NO. OF CONTACTS:

004 ~ 100

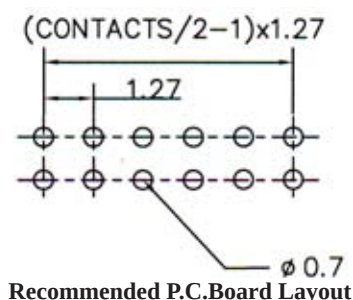
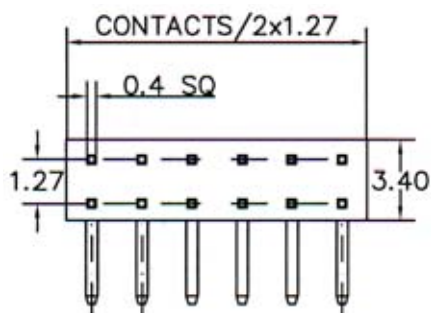
3. CONTACT FINISH:

"G" FULL GOLD PLATED

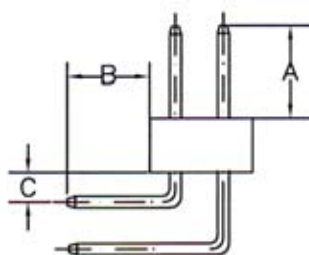
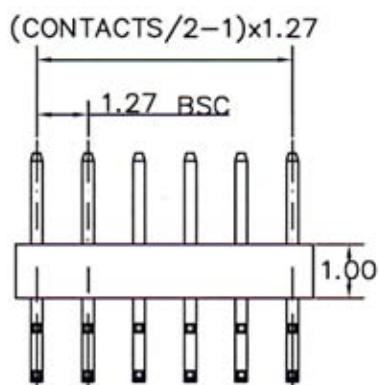
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

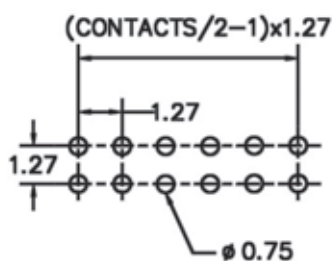
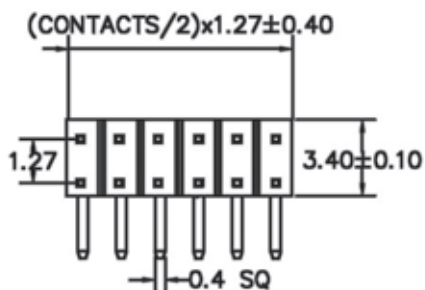
CODE: 1 3 3 2 D 6 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

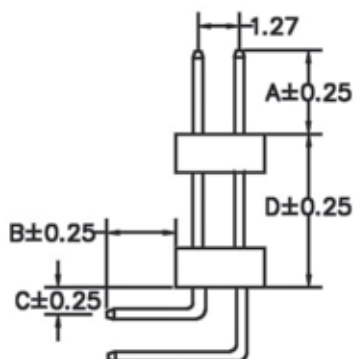
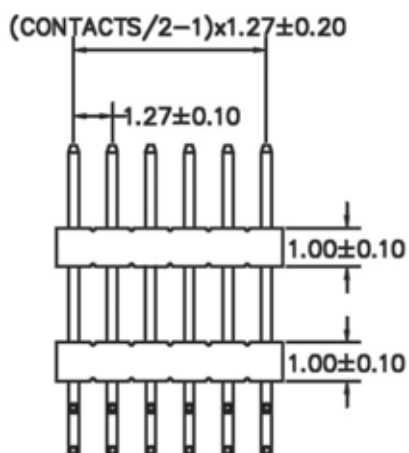
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2D6
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	DIMENSIONS(MM)			
	A	B	C	D
LW	2.2	3.1	1.7	4.0
LX	2.2	3.1	1.7	4.7
LY	3.0	6.0	1.7	10.0

ORDERING INFORMATION:

P/N 1 2 7 XX - XXX X B
1 2 3

1. PIN LENGTH:

LW, LX, LY

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

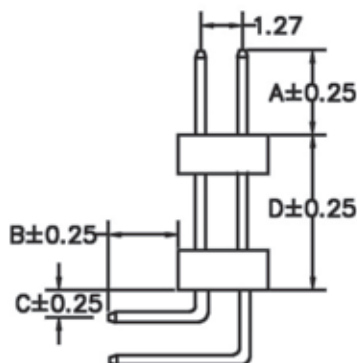
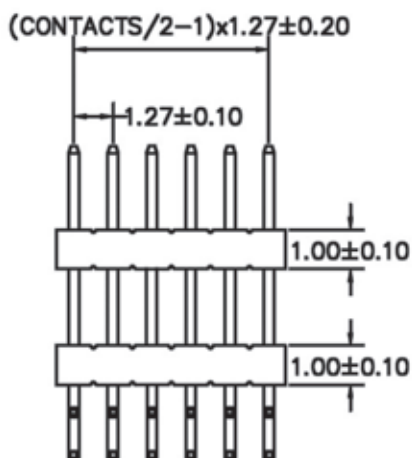
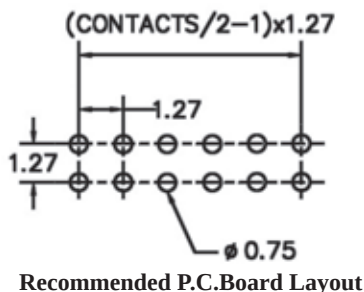
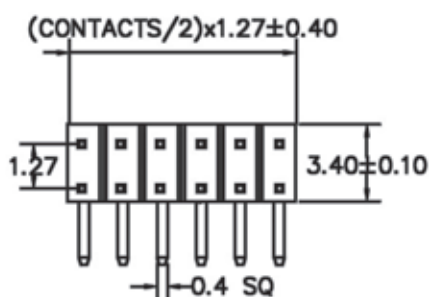
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1 A
Contact Resistance: 20mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 1000V AC/Min.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Copper Alloy
All materials must be RoHS compliant.

ORDERING INFORMATION:

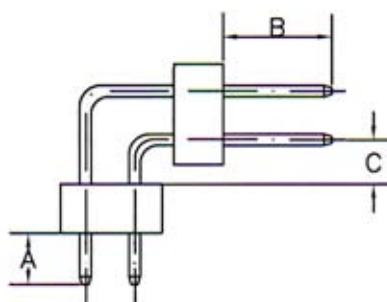
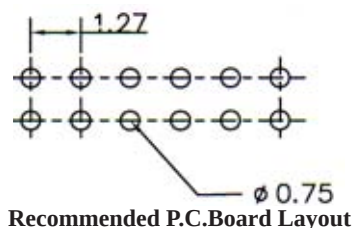
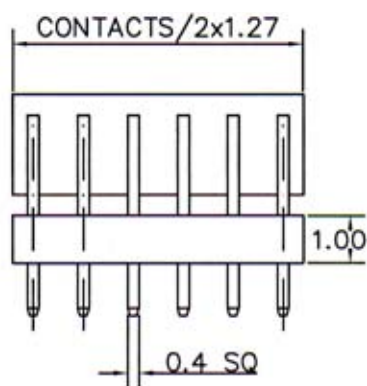
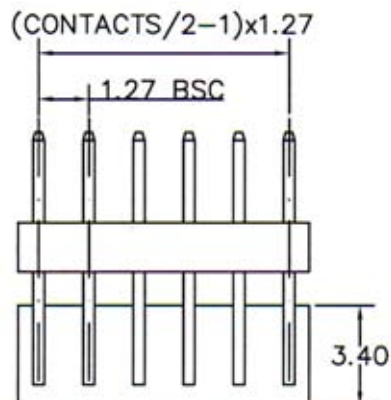
CODE: 1 3 3 2 D 8 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2D8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 3 2L5 - A/B/C - xxx x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P xx xx xx x - xxx x B
YY MM DD 3 4

1. EXTERIOR CODE:

2L5

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

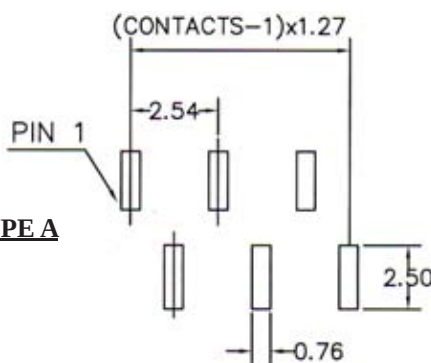
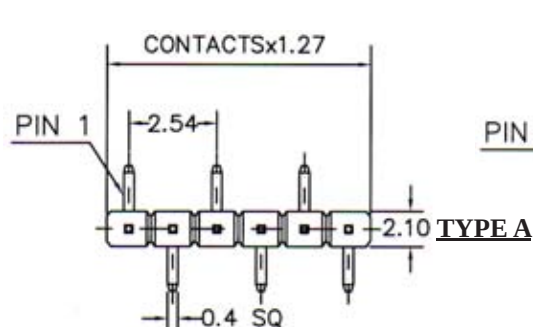
4. CONTACT FINISH:

"G" FULL GOLD PLATED

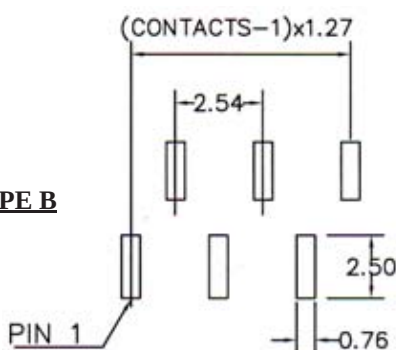
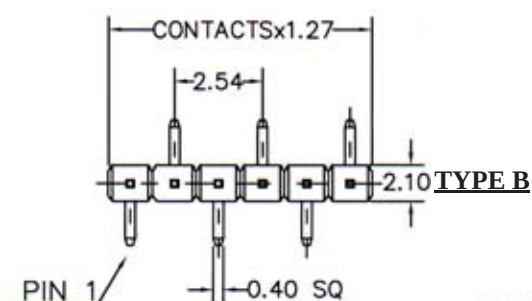
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

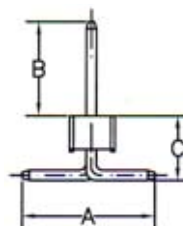
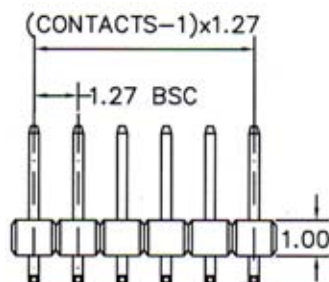
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 1000V AC
Insulator Resistance: 5000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
Nylon-6T
Contacts: Copper Alloy
All materials must be RoHS compliant.

TYPE A	TYPE B	A	B	C
A21	A22	5.5	3.0	1.7
A23	A24	6.5	6.0	2.7
A33	A34	5.5	3.0	1.5
A35	A36	5.5	3.0	2.0
A37	A38	5.08	3.05	2.27

ORDERING INFORMATION:

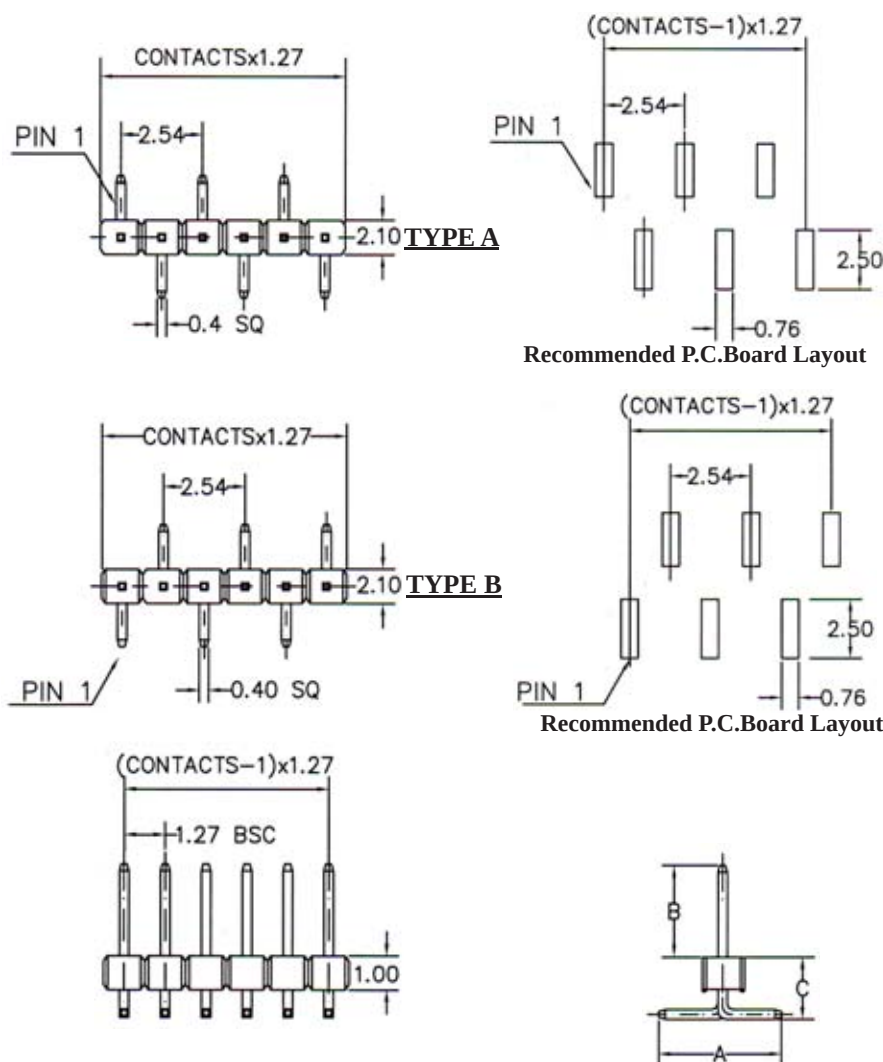
P/N 1 2 $\frac{A \times \times}{1} - \frac{\times \times \times}{2} \frac{\times}{3} B - \frac{\times}{4}$

- CONNECTOR TYPE:
A21, A22, A23, A24, A33,
A34, A35, A36, A37, A38
- NO. OF CONTACTS:
002 ~ 050
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

- PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD
NOTE: SEE NEXT PAGES FOR CUSTOMER'S
DESIGNS!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 1000V AC
Insulator Resistance: 5000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
Nylon-6T
Contacts: Copper Alloy
All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 4 1 M 1 - A/B/C - x x x x B - x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

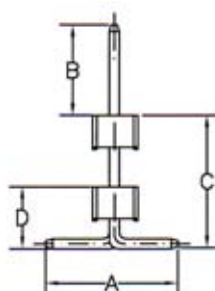
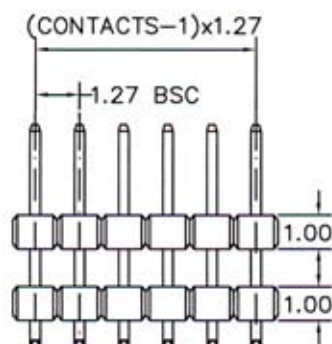
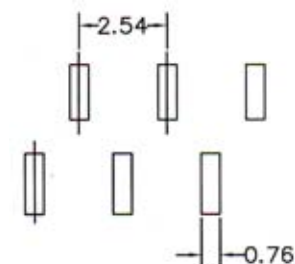
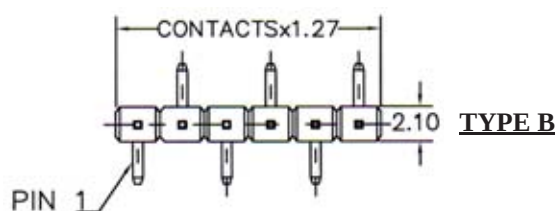
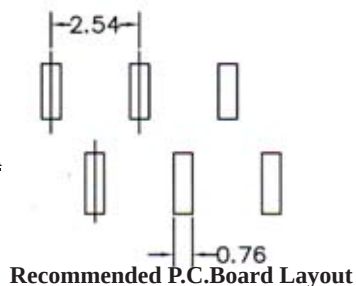
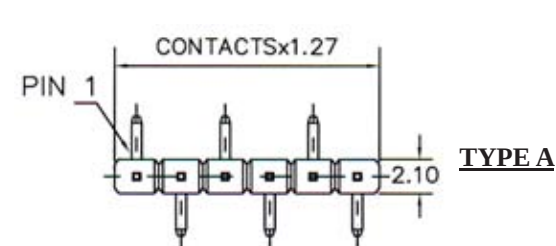
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
1M1
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

5. PCB LAYOUT TYPE:
"A" TYPE A
"B" TYPE B
6. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

TYPE A	TYPE B	A	B	C	D
A49	A53	5.5	3.0	2.6	1.7
A50	A54	5.5	3.0	3.6	1.7
A51	A55	5.5	3.0	9.8	2.3
A52	A56	5.5	3.0	10.4	2.3
A57	A60	5.5	3.0	6.0	2.3
A58	A61	5.5	3.0	9.75	2.3
A59	A62	5.5	3.0	6.35	2.3

ORDERING INFORMATION:

P/N 1 2 Axx - xxx B - x
1 2 3 4

1. TERMINAL CODE:

A49, A50, A51, A52, A53, A54, A55,
A56, A57, A58, A59, A60, A61, A62

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

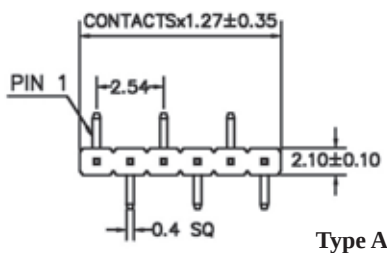
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

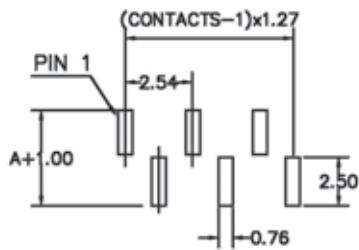
"Q" WITH PAD IN TAPE & REEL

NOTE: SEE NEXT PAGES FOR CUSTOMER'S
DESIGNS!

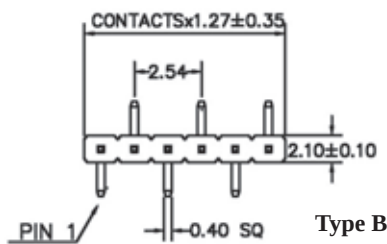
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM



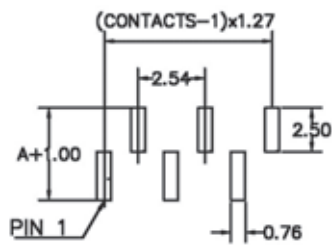
Type A



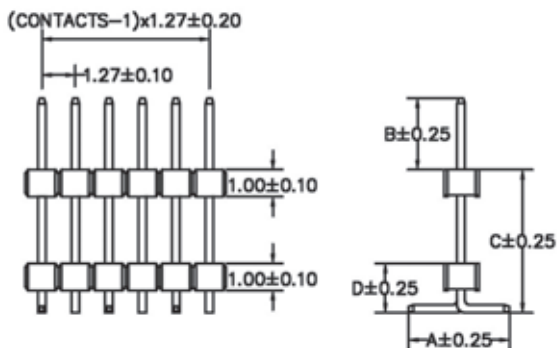
Recommended P.C.Board Layout



Type B



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 1 2 4 1 M 4 - A/B/C/D - x x x x B - x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

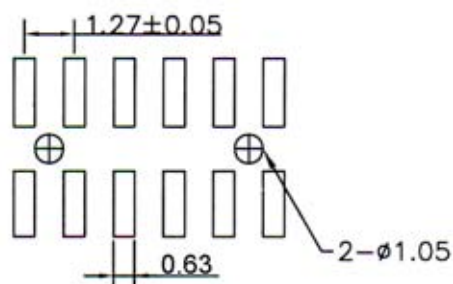
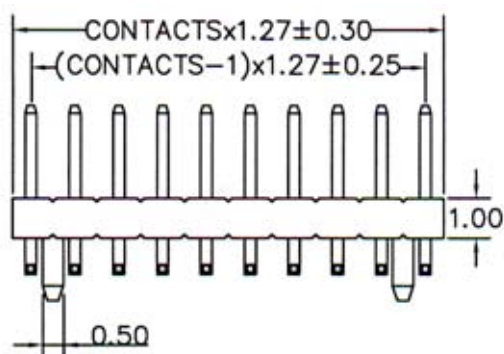
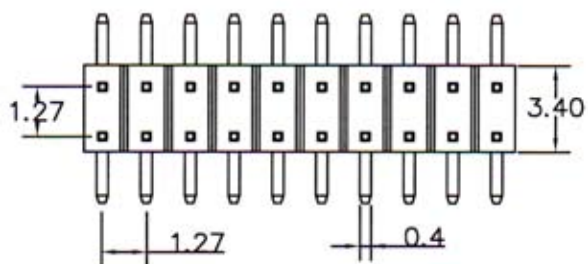
$$\mathbf{P/N} \quad \mathbf{P} \frac{\mathbf{XX} \mathbf{XX} \mathbf{XX} \mathbf{X}}{\mathbf{YY} \mathbf{MM} \mathbf{DD}} - \frac{\mathbf{XXX} \mathbf{X}}{3 \quad 4} \mathbf{B}$$

1. EXTERIOR CODE:
1M4
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

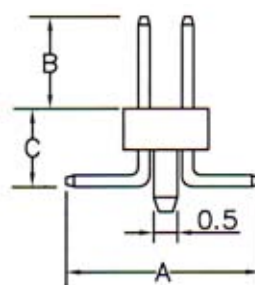
5. PCB LAYOUT TYPE:
"A" TYPE A
"B" TYPE B
6. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 5000 MΩ Min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

WITHOUT PEGS	WITH PEGS	DIMENSIONS(MM)		
		A	B	C
UA	UK	5.50	3.00	1.70
UF	UQ	5.50	4.80	1.70
UB	UL	6.50	6.00	1.70
UD	UN	5.50	3.00	1.50
UE	UP	5.50	3.80	1.80
UC	UM	6.50	6.00	2.30

ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1} - \frac{xxx}{2} \frac{x}{3} B - \frac{x}{4}$

1. CONNECTOR TYPE:

UA, UF, UC, UD, UE, UB
UK, UQ, UM, UN, UP, UL

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

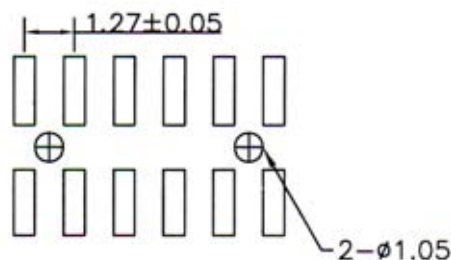
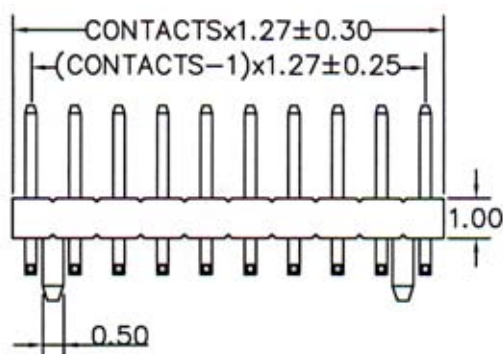
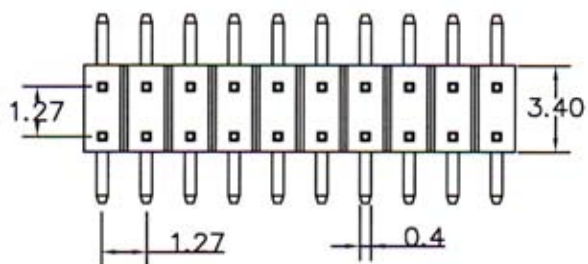
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: SEE NEXT PAGES FOR CUSTOMER'S
DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

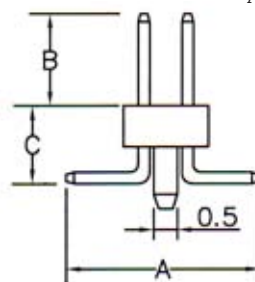
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

CODE: 1 3 3 2 T_x - A/B/C - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T1" W/O LOCATING PEG

"2T4" WITH LOCATING PEG

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

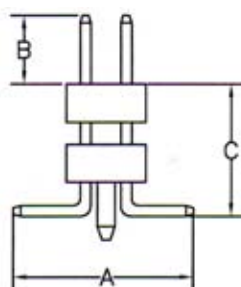
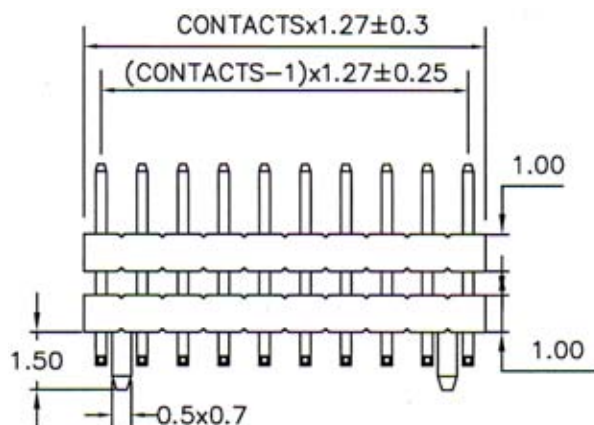
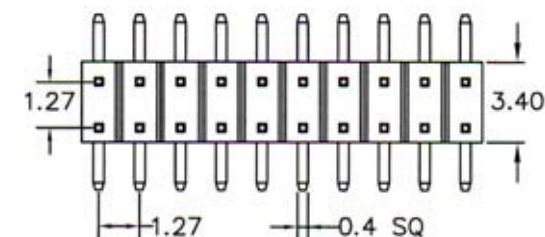
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM

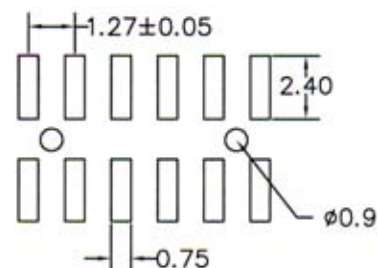


SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 600V AC
Insulator Resistance: 5000 MΩ min.
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 Nylon-6T
Contacts: Copper Alloy
 All materials must be RoHS compliant.



Recommended P.C.Board Layout

WITHOUT PEGS	WITH PEGS	DIMENSIONS(MM)		
		A	B	C
UU	YG	5.50	3.00	2.60
UV	YH	5.50	3.00	3.60
UW	YJ	5.50	3.00	9.80
UX	YK	5.50	3.00	10.40
UY	YL	5.50	3.00	6.00
UZ	YM	5.50	3.80	9.75

ORDERING INFORMATION:

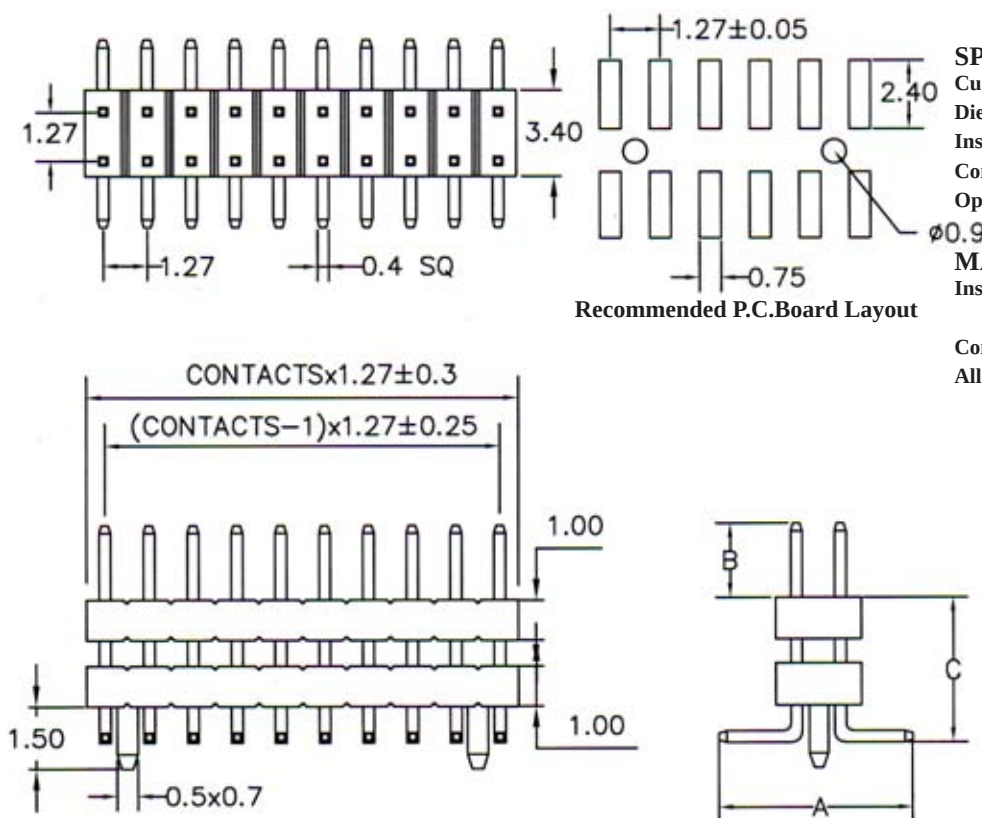
P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. TERMINAL TYPE:
UU, UV, UW, UX, UY, UZ,
YG, YH, YJ, YK, YL, YM
2. NO. OF CONTACTS:
004 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD
 NOTE: SEE NEXT PAGES FOR CUSTOMER'S
 DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 600V AC
Insulator Resistance: 5000 MΩ min.
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 Nylon-6T
Contacts: Copper Alloy
 All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 3 2 T x - A/B/C - x x x x B - x

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

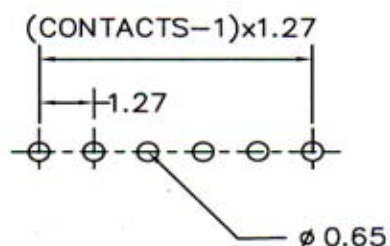
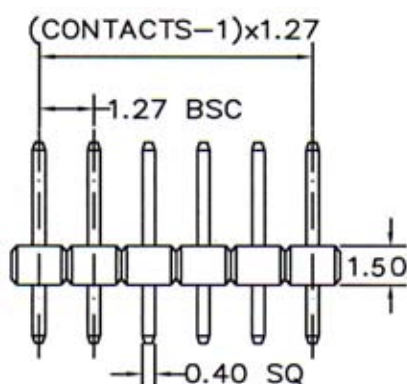
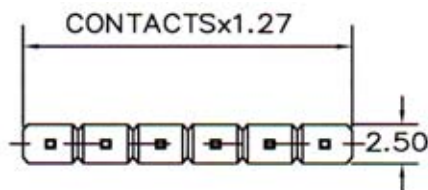
P/N P x x x x x x - x x x x B

1. EXTERIOR CODE:
 "2T6" W/O LOCATING PEG
 "2T8" WITH LOCATING PEG
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
 004 ~ 100
4. CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED

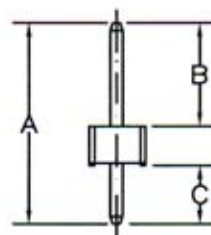
5. PAD & PACKAGE OPTION:
 "T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM 0.40MMSQ PIN HEADER STRAIGHT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

Terminal Code:

H=1.5mm	B(mm)	C(mm)
A07	3.0	2.3
A08	2.1	3.2
A09	3.0	3.3
A10	4.8	1.5
A11	3.0	4.2
A12	6.0	3.0
B42	3.5	1.8
B48	2.7	2.3
B50	1.9	2.3
B52	1.6	2.3

ORDERING INFORMATION:

P/N 1 2 Axx - xxx x B

1 2 3

1. TERMINAL CODE:

A07, A08, A09, A10, A11,
A12, B42, B48, B50, B52

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

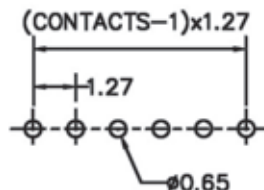
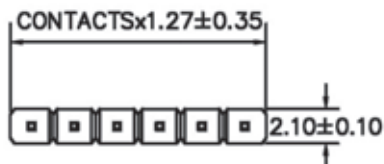
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE=1.50MM

SPECIFICATIONS

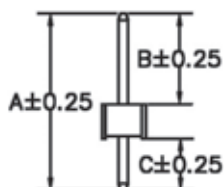
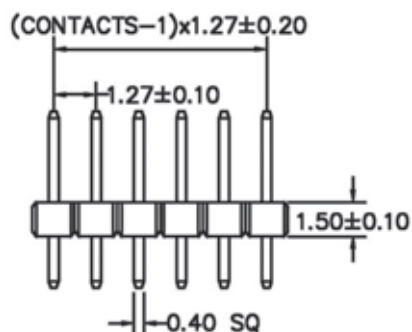
Current Rating: 1 A
Contact Resistance: 20mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 1000V AC/Min.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Copper Alloy
All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 1 2 5 1 S 1 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
1S1
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE=1.50MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

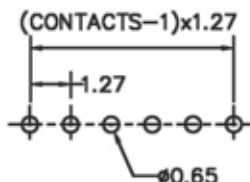
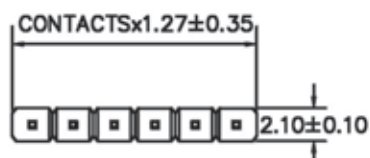
Operating Temperature: -55°C to +105°C

MATERIALS

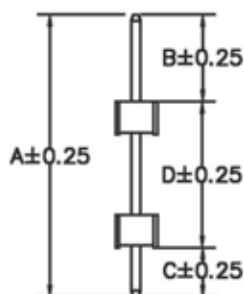
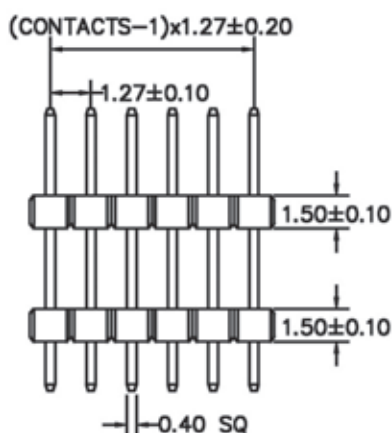
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

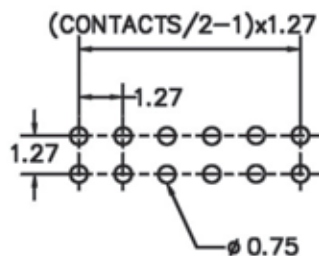
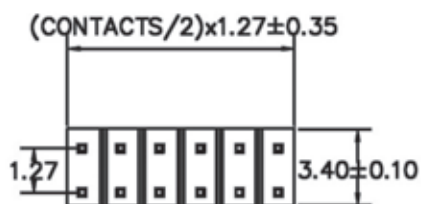
CODE: 1 2 5 1 S 2 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

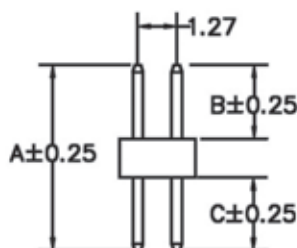
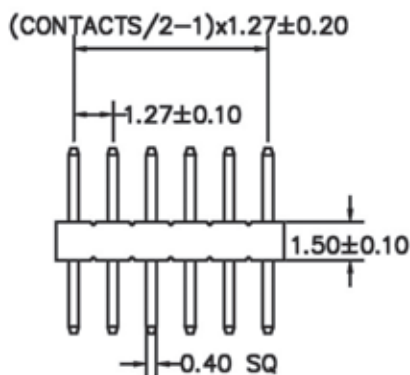
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
1S2
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0

Contact: Copper Alloy

All materials must be RoHS compliant.

H=1.5MM	DIMENSIONS(MM)	
	B	C
PH	3.0	2.3
PJ	2.1	3.2
PK	3.0	3.3
PL	4.8	1.5
PM	3.0	4.2
PT	6.0	3.0
RP	3.0	2.6
LA	2.7	2.3
LB	1.9	2.3
LC	1.65	2.3

ORDERING INFORMATION:

P/N 1 2 7 XX - XXX X B
1 2 3

1. PIN LENGTH:

PH, PJ, PK, PL, PM, PT, RP, LA, LB, LC

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.50MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

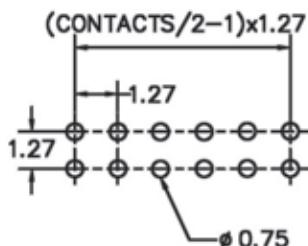
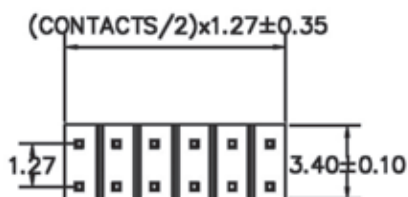
Operating Temperature: -55°C to +105°C

MATERIALS

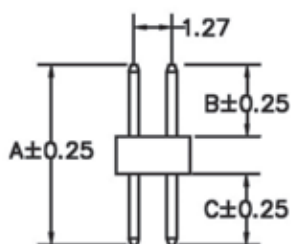
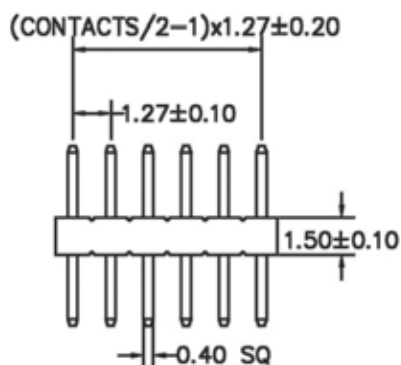
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

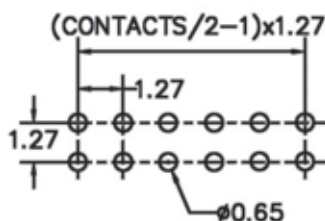
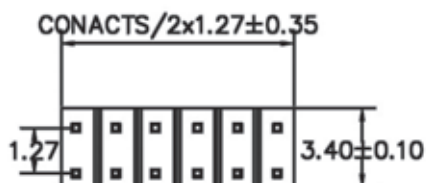
CODE: 1 3 4 2 S 6 - A/B/C - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

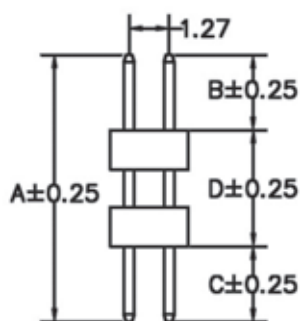
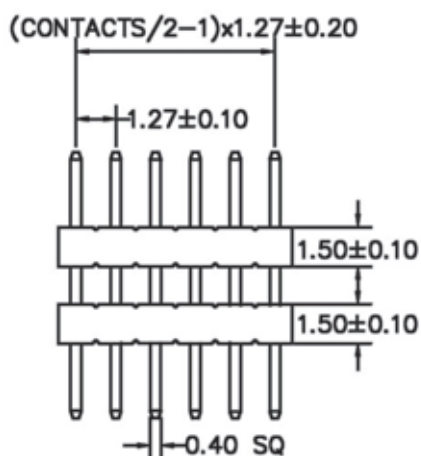
P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
2S6
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

H=1.5MM	DIMENSIONS(MM)		
	B	C	D
RY	3.00	2.85	8.50
RZ	3.00	2.85	9.15
RU	3.00	3.00	12.50

ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B$

1. PIN LENGTH:

RY, RZ, RU

2. NO. OF CONTACTS:

002 ~ 050 PER SINGLE ROW

004 ~ 100 PER DOUBLE ROW

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT DIP TYPE PROFILE=1.50MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

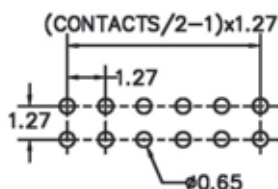
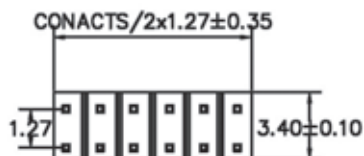
Operating Temperature: -55°C to +105°C

MATERIALS

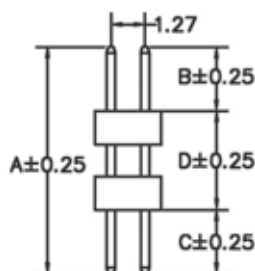
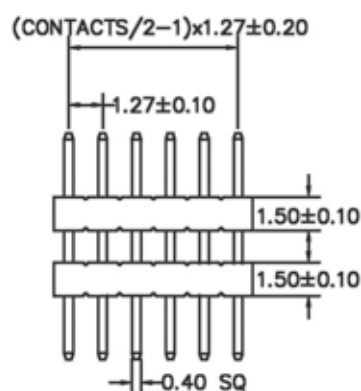
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

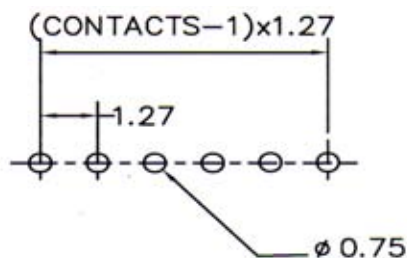
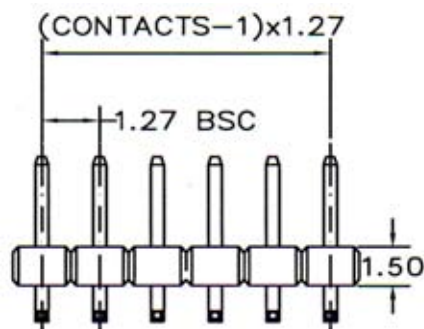
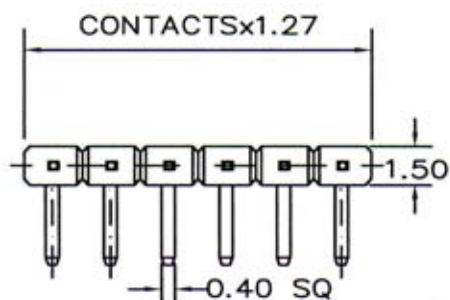
CODE: 1 3 4 2 S 8 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

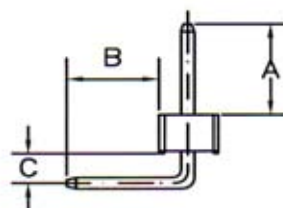
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2S8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER RIGHT ANGLE TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

Terminal Code:

H=1.5mm	A(mm)	B(mm)	C(mm)
A17	2.7	2.3	1.5
A18	3.0	2.3	1.5
A19	1.9	2.3	2.2
A20	1.6	2.3	2.2
B57	3.8	2.5	1.0
B58	6.7	1.3	1.6
B59	3.7	2.7	0.9
B60	3.4	1.3	1.2

ORDERING INFORMATION:

P/N 1 2 Axx - xxx x B

1. TERMINAL CODE:

A17, A18, A19, A20, B57, B58, B59, B60

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.50MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

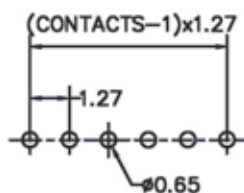
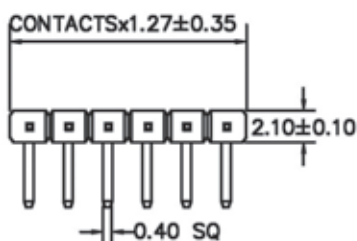
Operating Temperature: -55°C to +105°C

MATERIALS

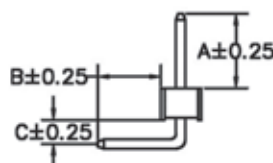
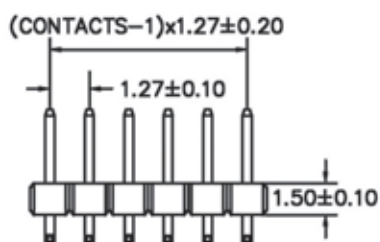
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 1 2 5 1 D 1 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1D1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

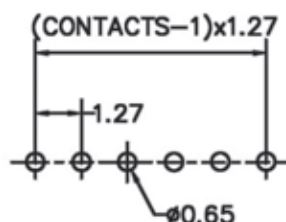
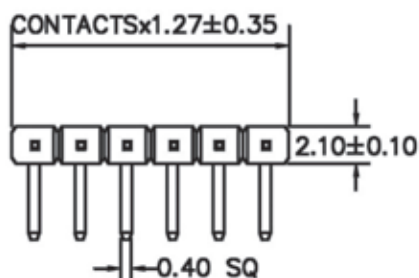
4. CONTACT FINISH:

"G" FULL GOLD PLATED

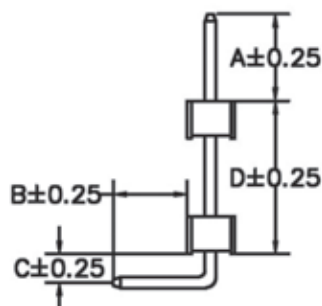
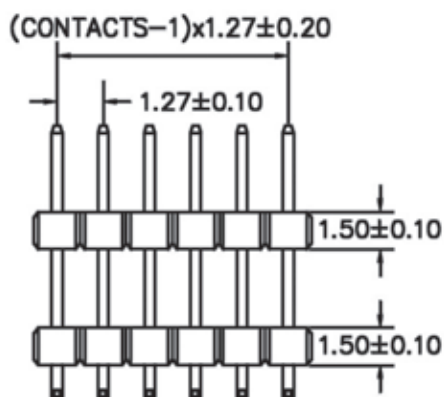
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	DIMENSIONS(MM)			
	A	B	C	D
N14	2.8	2.6	1.5	8.0
N15	4.0	2.6	1.5	8.0
N16	3.3	2.6	1.5	7.0
N17	3.3	2.6	1.5	8.5

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B
1 2 3

1. PIN LENGTH:

N14, N15, N16, N17

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

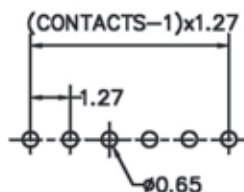
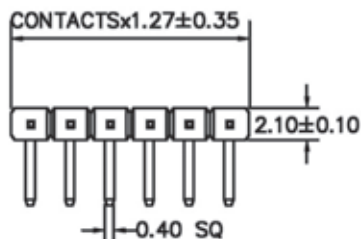
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

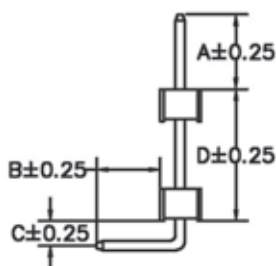
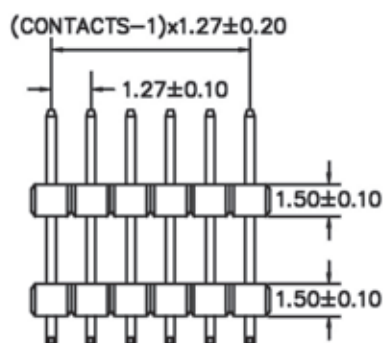
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20m Ω Max.

Insulator Resistance: 5000M Ω Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55 $^{\circ}$ C to +105 $^{\circ}$ C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 5 1 D 4 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1D4

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

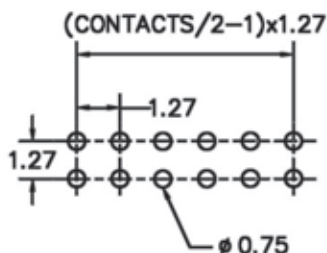
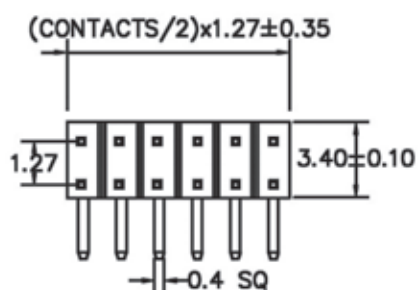
4. CONTACT FINISH:

"G" FULL GOLD PLATED

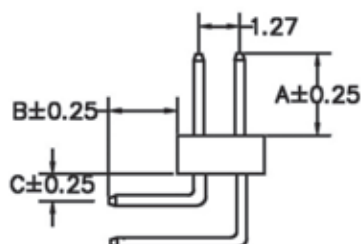
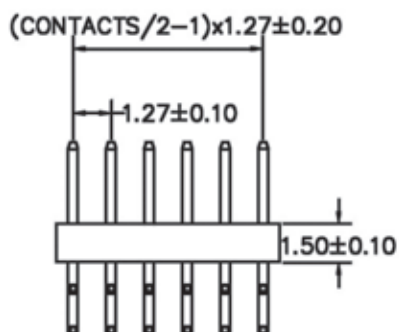
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 4 2 D 6 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

2D6

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

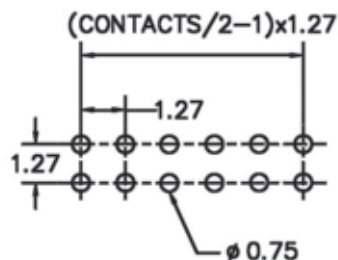
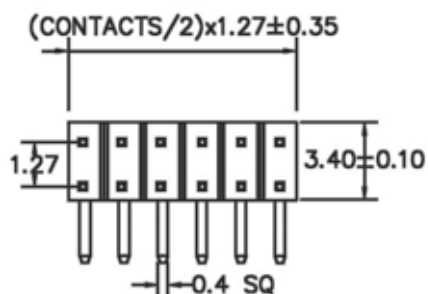
4. CONTACT FINISH:

"G" FULL GOLD PLATED

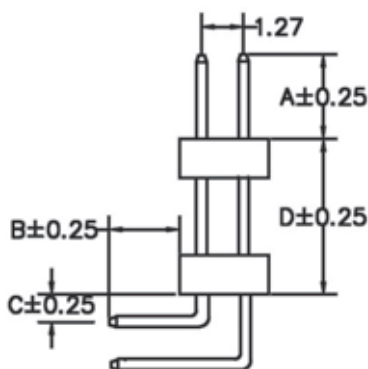
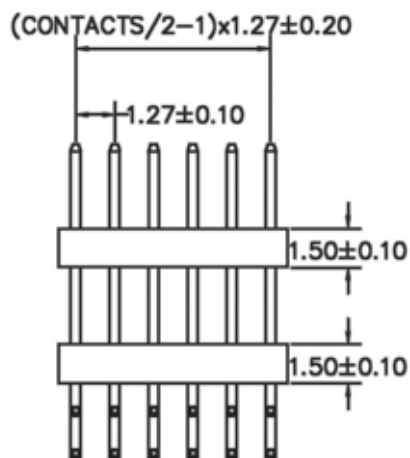
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	DIMENSIONS(MM)			
	A	B	C	D
N26	2.8	2.6	1.5	8.0
N27	4.0	2.6	1.5	8.0
N28	3.3	2.6	1.5	7.0
N29	3.3	2.6	1.5	8.5

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B
1 2 3

1. PIN LENGTH:

N26, N27, N28, N29

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

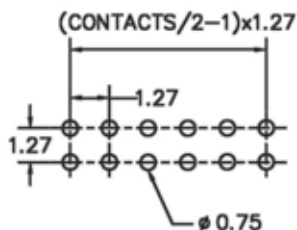
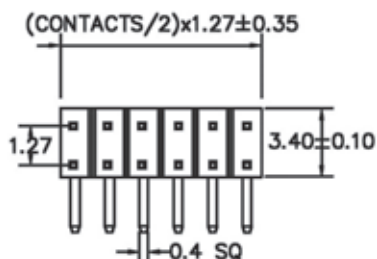
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

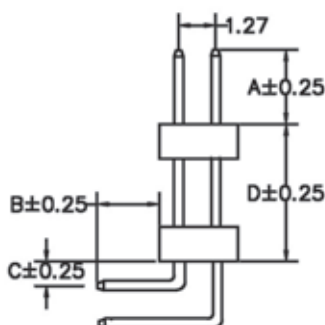
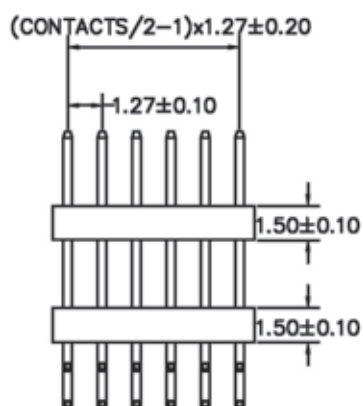
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

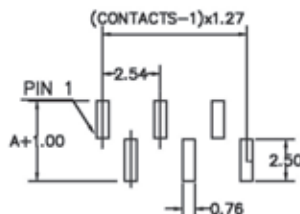
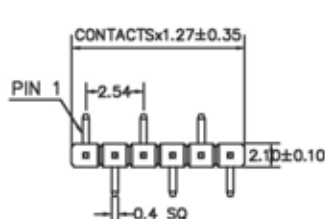
CODE: 1 3 4 2 D 8 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

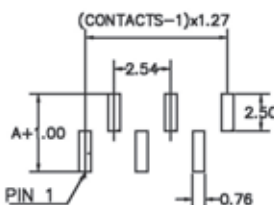
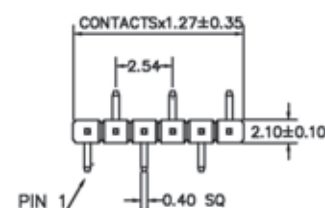
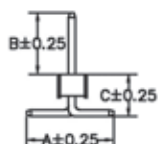
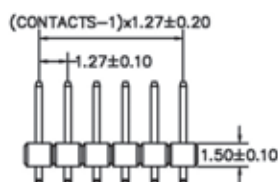
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2D8
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

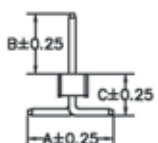
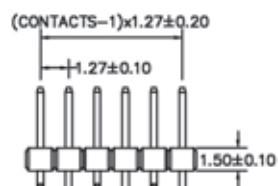
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout
Type A



Recommended P.C.Board Layout
Type B



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 5 1 M 1 - A/B/C - x x x x B - x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1M1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PCB LAYOUT TYPE:

"A" TYPE A

"B" TYPE B

6. PAD & PACKAGE OPTION:

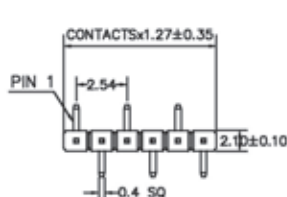
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

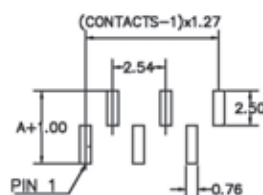
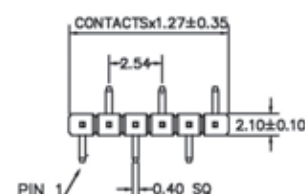
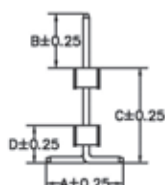
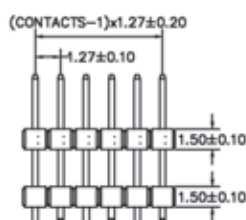
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

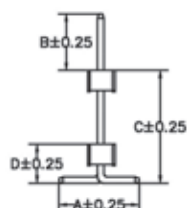
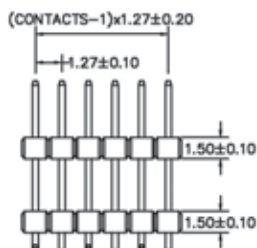
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout
Type A



Recommended P.C.Board Layout
Type B



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 5 1 M 4 - A/B/C/D - x x x x B - x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1M4

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PCB LAYOUT TYPE:

"A" TYPE A

"B" TYPE B

6. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

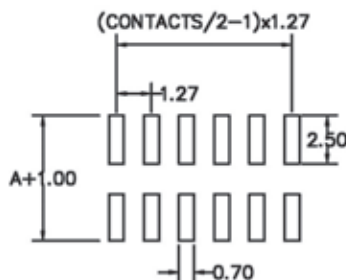
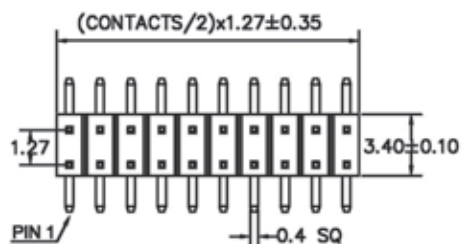
Operating Temperature: -55°C to +105°C

MATERIALS

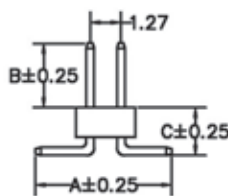
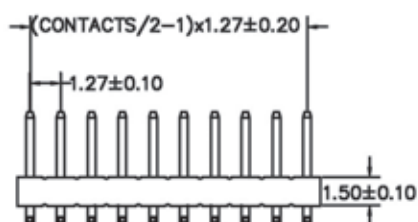
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



CODE	A	B	C
TA	5.50	2.10	2.00
TC	5.50	4.80	2.30
TE	5.50	3.00	2.00
TK	6.50	6.00	2.30

ORDERING INFORMATION:

P/N 1 2 7 $\frac{X}{1} - \frac{X}{2} \frac{X}{3} B - \frac{X}{4}$

1. CONNECTOR CODE:

TA, TC, TE, TK

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

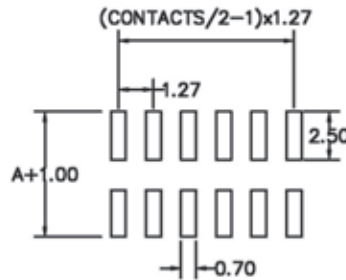
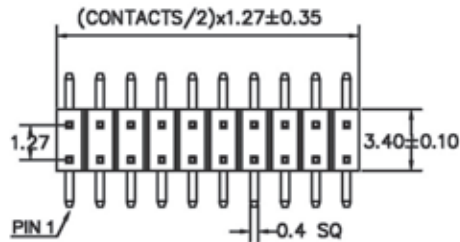
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

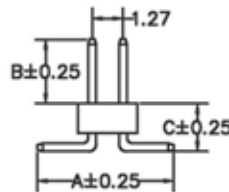
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 4 2 T 1 - A/B/C - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

2T1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM

SPECIFICATIONS

Current Rating: 1.0 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Dielectric Strength: 500V AC Min.

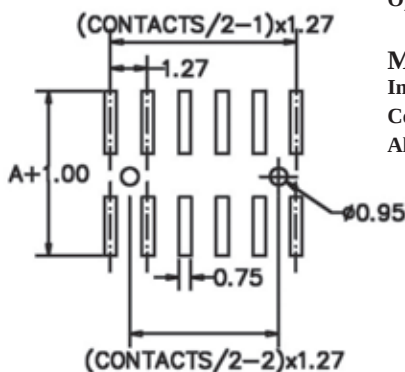
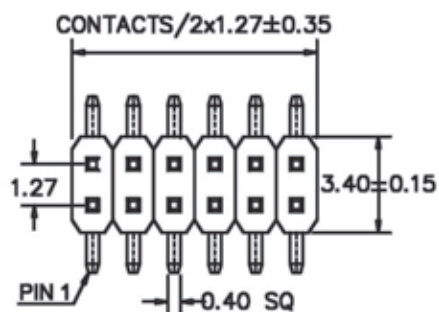
Operating Temperature: -55°C to +105°C

MATERIALS

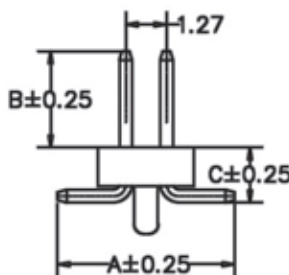
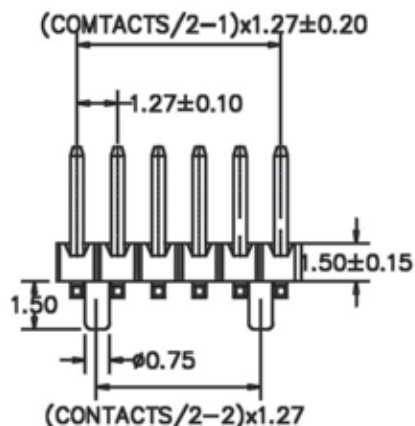
Insulator: NY6T, UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



CODE	A	B	C
TB	5.50	2.10	2.00
TD	5.50	4.80	2.30
TF	5.50	3.00	2.00
TL	6.50	6.00	2.30

ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

1. CONNECTOR CODE:

TB, TD, TF, TL

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM

SPECIFICATIONS

Current Rating: 1.0 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Dielectric Strength: 500V AC Min.

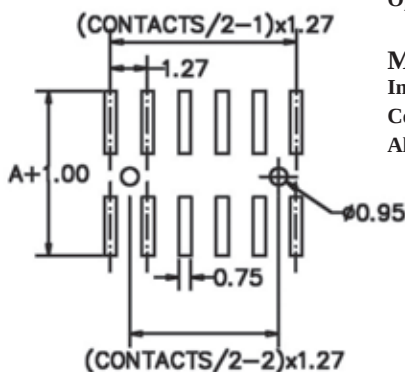
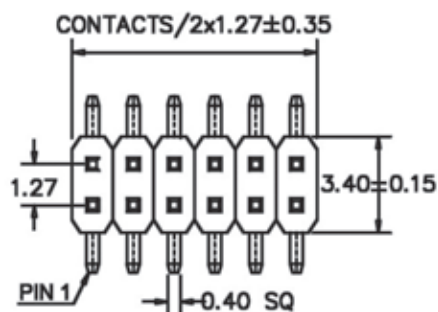
Operating Temperature: -55°C to +105°C

MATERIALS

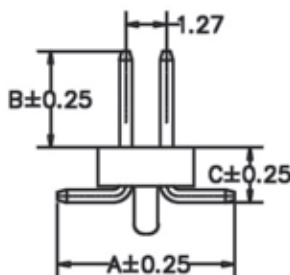
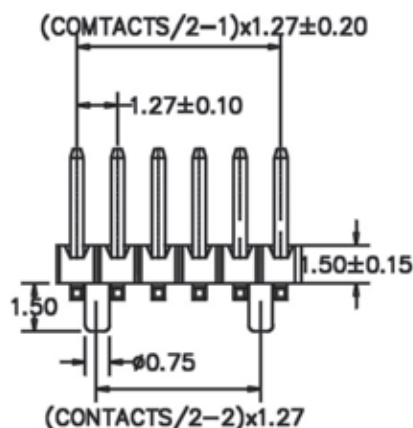
Insulator: NY6T, UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 1 3 4 $\frac{2}{1}$ $\frac{T}{3}$ - $\frac{A}{2}$ $\frac{B}{C}$ - $\frac{x}{3}$ $\frac{x}{4}$ $\frac{x}{5}$ B - $\frac{x}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{x}{YY}$ $\frac{x}{MM}$ $\frac{x}{DD}$ x - $\frac{x}{3}$ $\frac{x}{4}$ B

1. EXTERIOR CODE:

"2T3" WITH LOCATING PEG

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

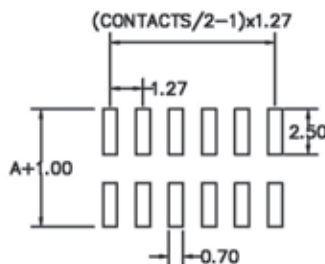
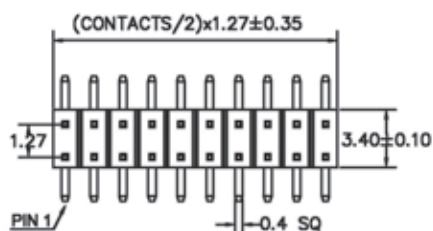
Operating Temperature: -55°C to +105°C

MATERIALS

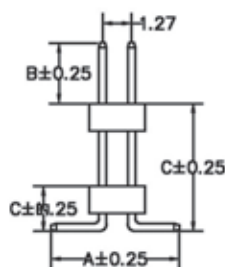
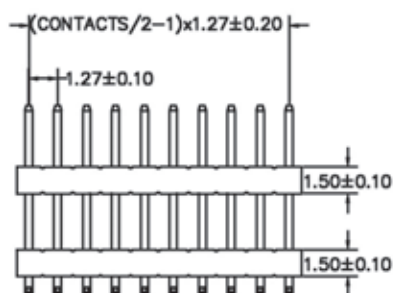
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

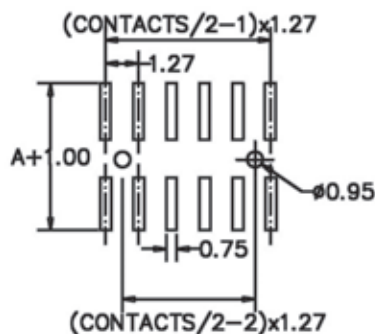
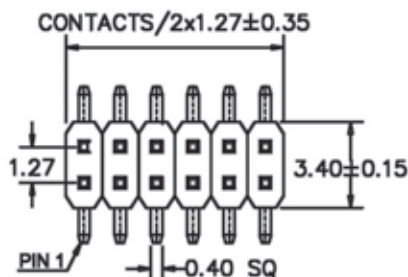
CODE: 1 3 4 $\frac{2}{1}$ T 6 - $\frac{A/B/C/D}{2}$ - $\frac{x}{3} \frac{x}{4} \frac{x}{4}$ B - $\frac{x}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

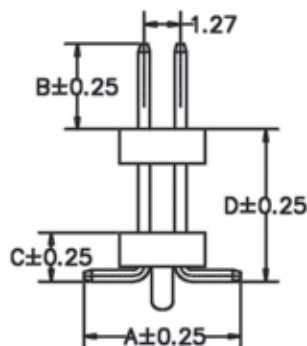
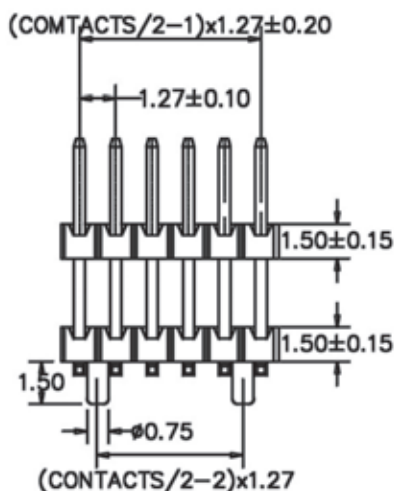
$$\mathbf{P/N} \quad \mathbf{P} \frac{\mathbf{XX} \mathbf{XX} \mathbf{XX} \mathbf{X}}{\mathbf{YY} \mathbf{MM} \mathbf{DD}} - \frac{\mathbf{XXX} \mathbf{X}}{3 \quad 4} \mathbf{B}$$

1. EXTERIOR CODE:
2T6
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 4 2 T 8 - A/B/C/D - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

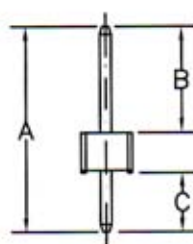
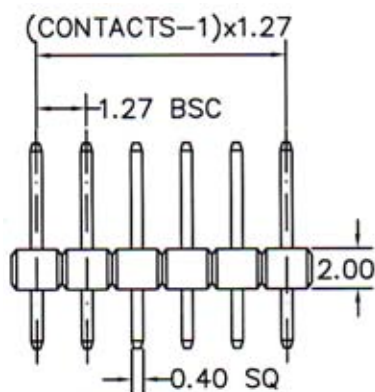
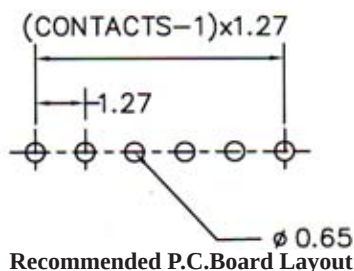
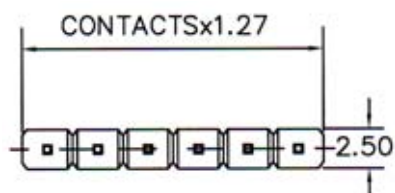
P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
"2T8" WITH LOCATING PEG
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
006 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT TYPE PROFILE=2.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 6 1 S 1 - A/B/C - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:

1S1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

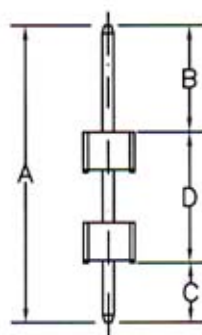
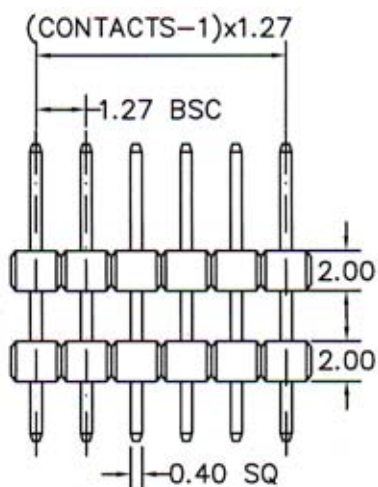
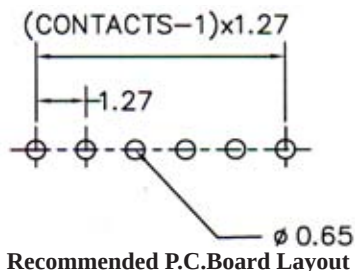
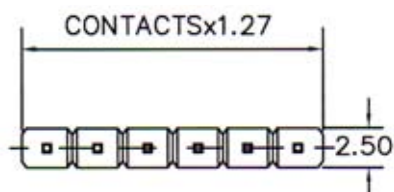
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT TYPE PROFILE=2.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 6 1 S 2 - A/B/C/D - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:

1S2

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

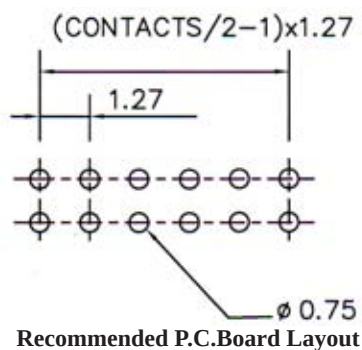
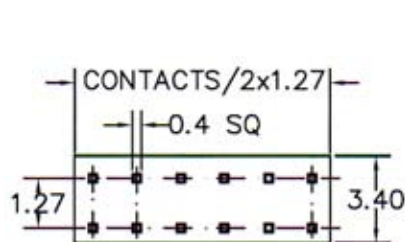
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=2.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 5000 M Ω min.

Contact Resistance: 30m Ω Max.

Operating Temperature: -55°C to +105°C

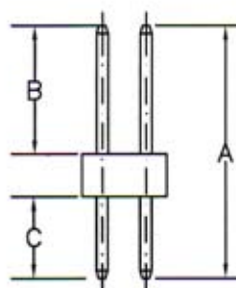
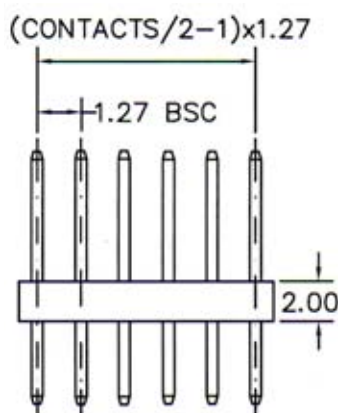
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

CODE: 1 3 7 2 S 6 - A/B/C - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:

2S6

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

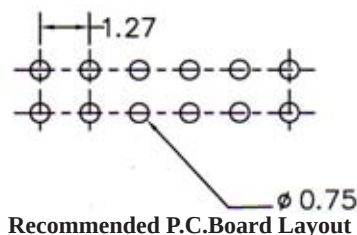
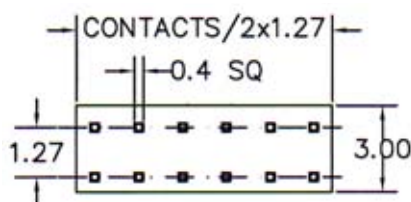
4. CONTACT FINISH:

"G" FULL GOLD PLATED

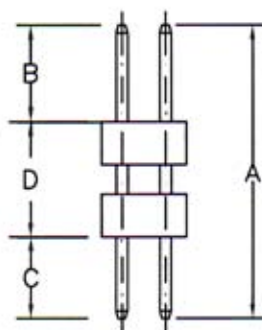
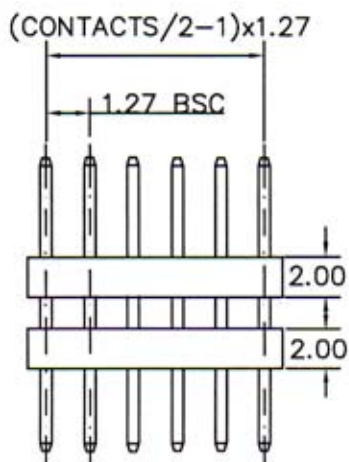
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 7 2 S 8 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

2S8

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

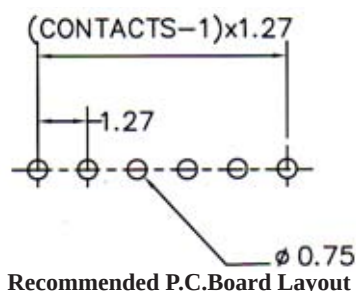
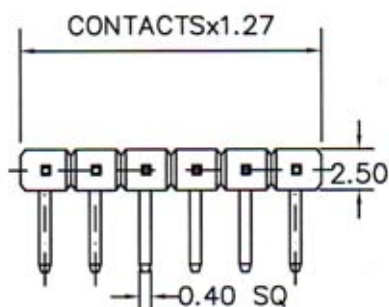
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE TYPE PROFILE=2.00MM



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -55°C to + 105°C

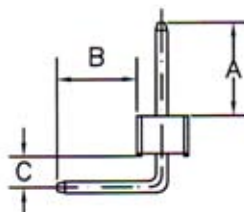
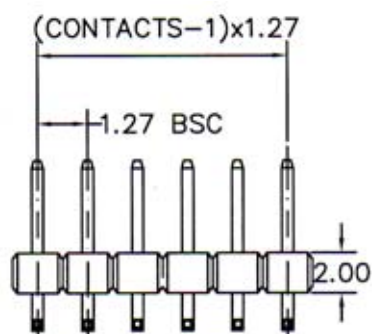
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

CODE: 1 2 6 1 D 1 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1D1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

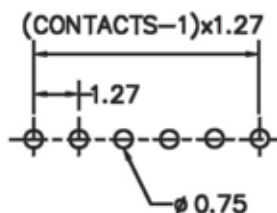
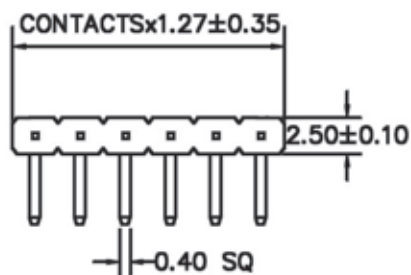
4. CONTACT FINISH:

"G" FULL GOLD PLATED

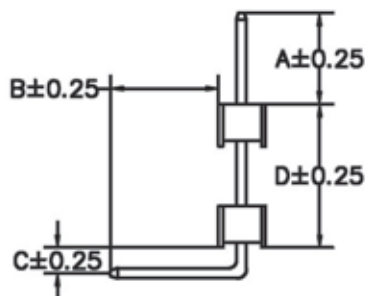
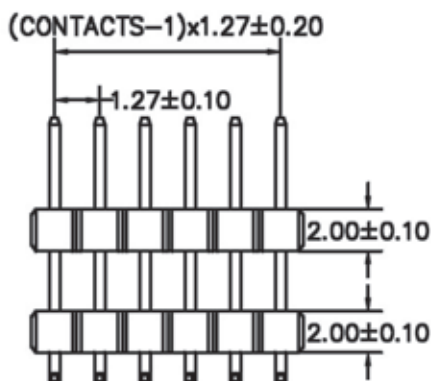
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	DIMENSIONS(MM)			
	A	B	C	D
N18	2.8	2.6	1.5	8.0
N19	4.0	2.6	1.5	8.0
N20	3.3	2.6	1.5	7.0
N21	3.3	2.6	1.5	8.5

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B
1 2 3

1. PIN LENGTH:

N18, N19, N20, N21

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE TYPE PROFILE=2.00MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

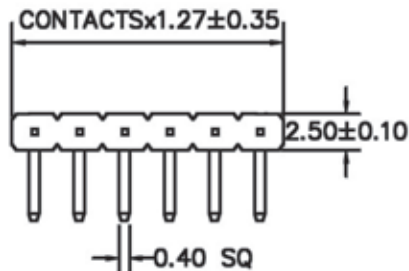
Operating Temperature: -55°C to +105°C

MATERIALS

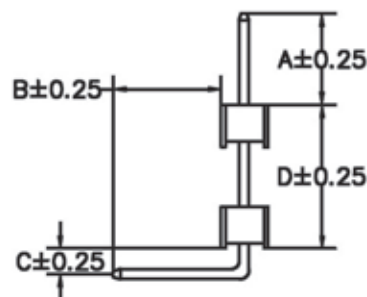
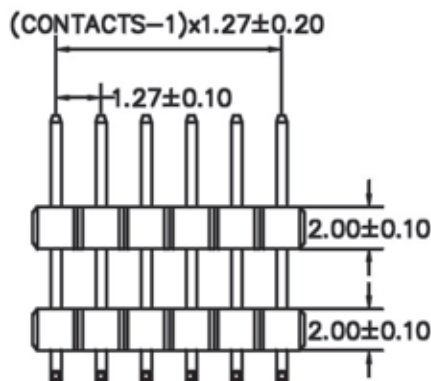
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 1 2 6 1 D 4 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1D4

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.00MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

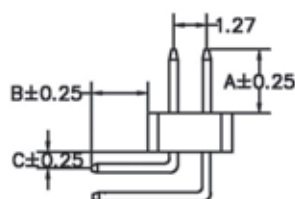
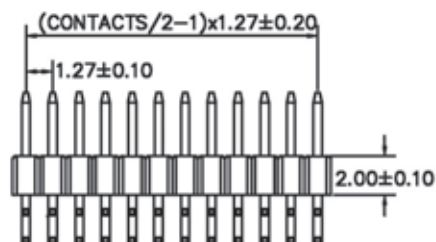
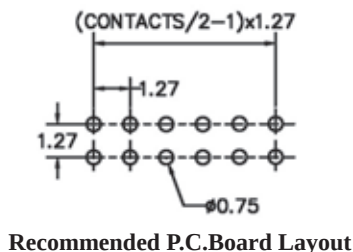
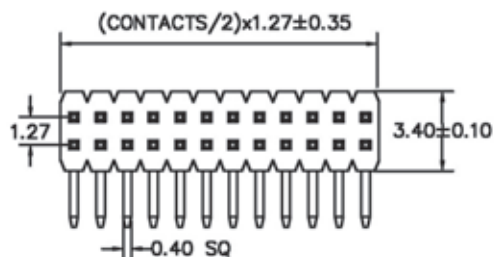
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

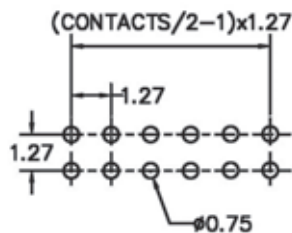
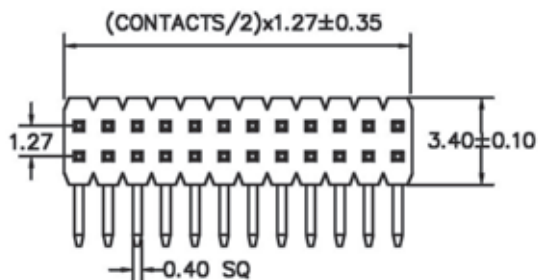
CODE: 1 3 7 2 D 1 - A/B/C - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

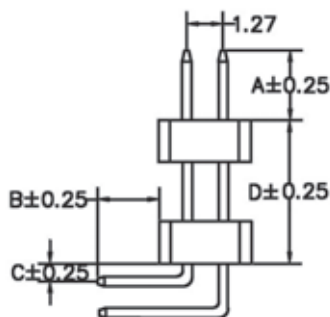
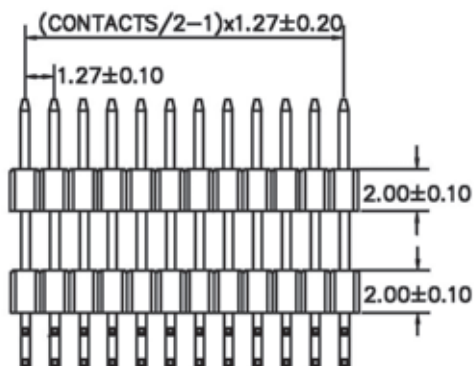
P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
2D1
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	DIMENSIONS(MM)			
	A	B	C	D
N30	2.8	2.6	1.5	8.0
N31	4.0	2.6	1.5	8.0
N32	3.3	2.6	1.5	7.0
N33	3.3	2.6	1.5	8.5

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B
 1 2 3

1. PIN LENGTH:

N30, N31, N32, N33

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

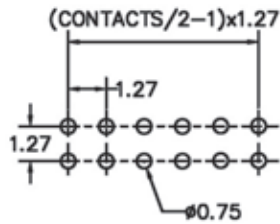
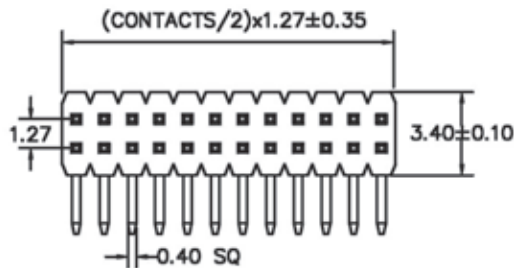
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

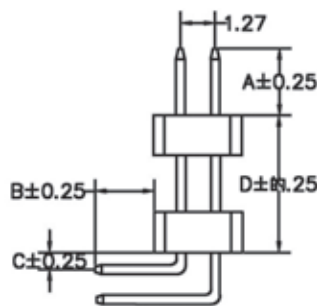
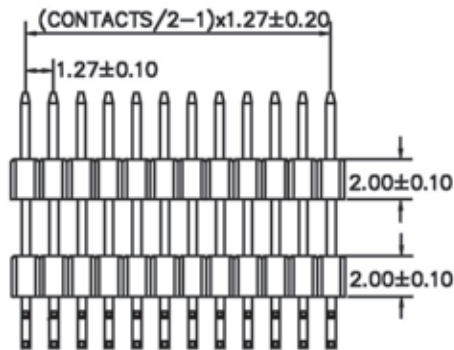
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

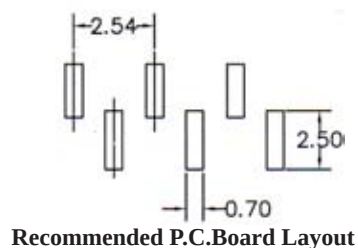
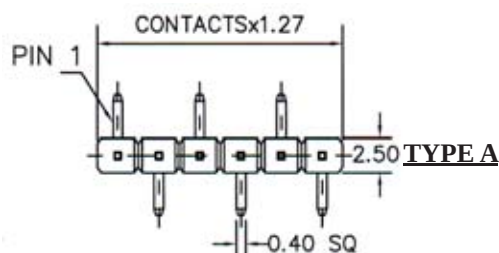
CODE: 1 3 7 2 D 4 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2D4
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=2.00MM

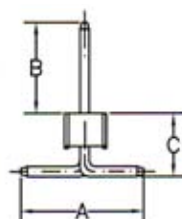
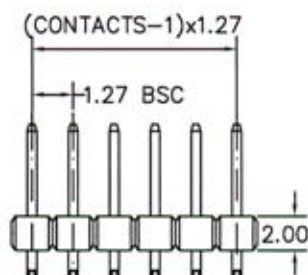
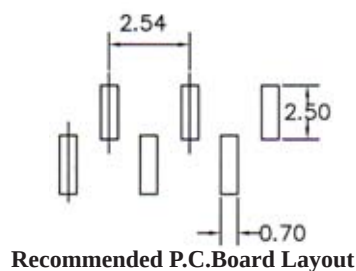
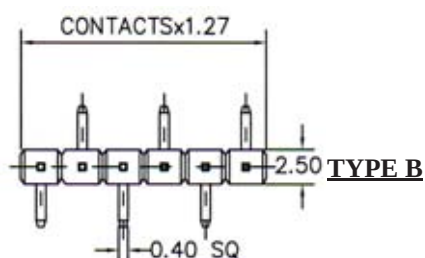


SPECIFICATIONS

Current Rating: 1.0 Amp
 Dielectric Withstand: 1000V AC
 Insulator Resistance: 5000 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 Nylon-6T
 Contacts: Copper Alloy
 All materials must be RoHS compliant.



ORDERING INFORMATION:

CODE: 1 2 6 1 M 1 - A/B/C - x x x x B - x x
 1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

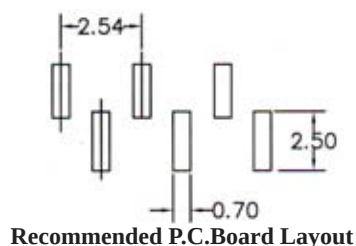
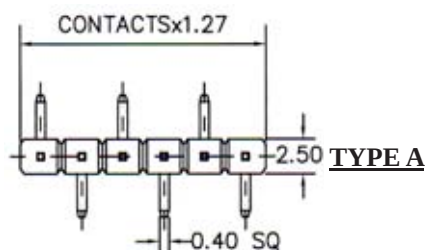
P/N P x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
1M1
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

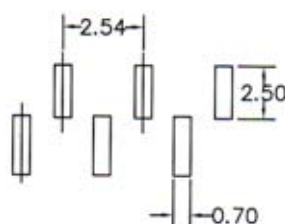
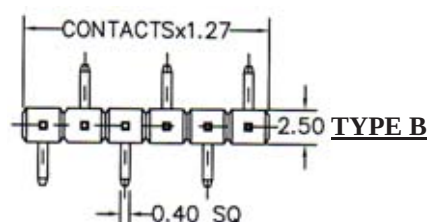
5. PCB LAYOUT TYPE:
"A" TYPE A
"B" TYPE B
6. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

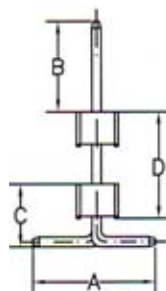
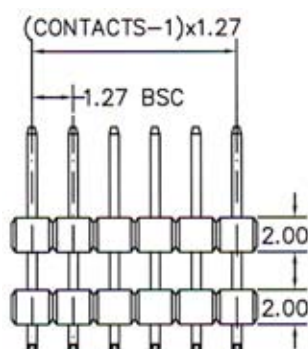
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 6 1 M 4 - A/B/C/D - x x x x B - x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1M4

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PCB LAYOUT TYPE:

"A" TYPE A

"B" TYPE B

6. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

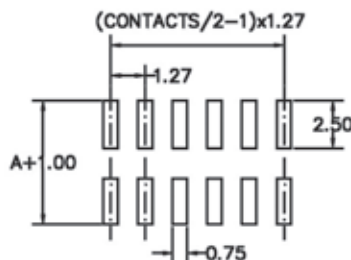
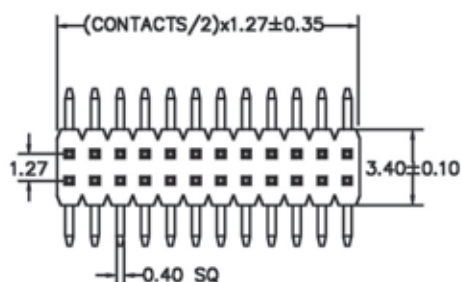
Operating Temperature: -55°C to +105°C

MATERIALS

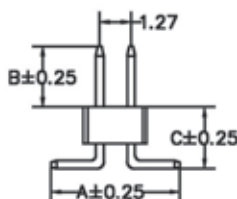
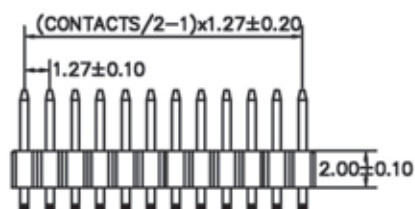
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 1 3 7 2 M 1 - A/B/C - x x x x B - x
 1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
"2M1" W/O LOCATING PEG
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

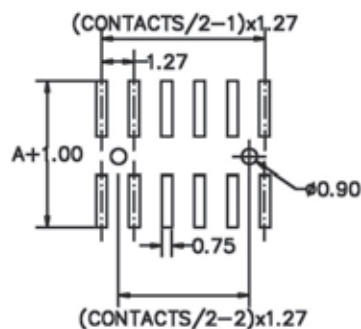
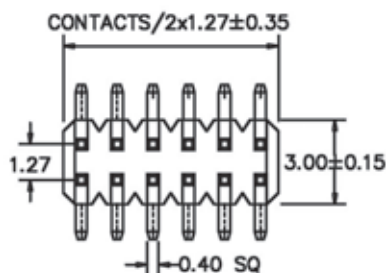
Operating Temperature: -55°C to +105°C

MATERIALS

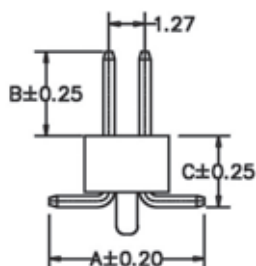
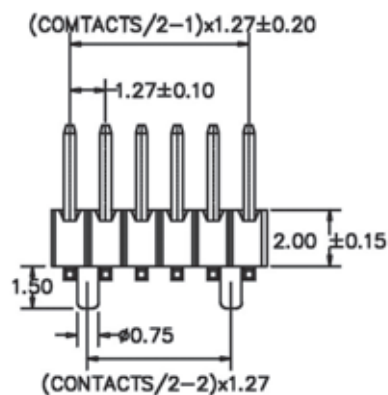
Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



WITH PEGS	DIMENSIONS(MM)		
	A	B	C
N51	6.5	6.0	3.6
N52	6.5	6.0	3.3
N53	6.5	6.0	4.2
N54	5.5	3.0	3.3

ORDERING INFORMATION:

P/N 1 2 $\frac{xxx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. PIN LENGTH:

N51, N52, N53, N54

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

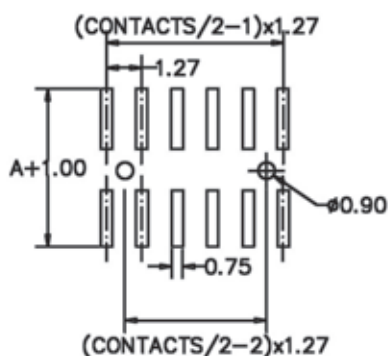
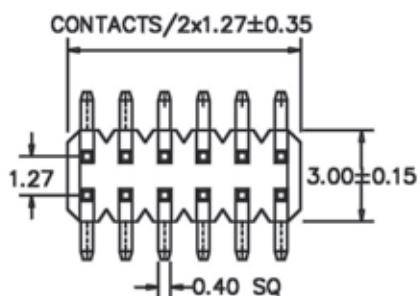
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

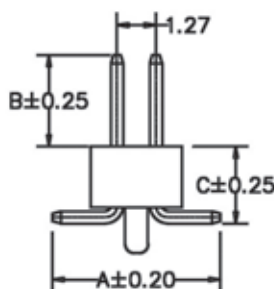
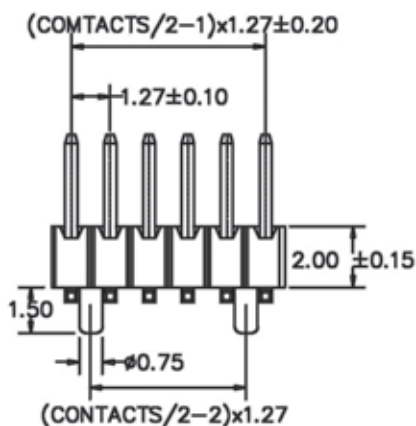
NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 7 2 T 3 - A/B/C - x x x x B - x

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

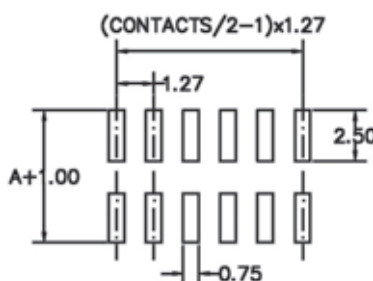
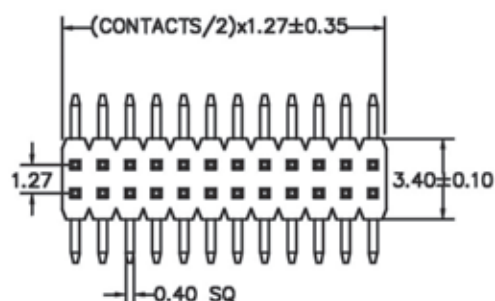
P/N P x x x x x x x - x x x x B

1. EXTERIOR CODE:
"2T3" WITH LOCATING PEG
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED

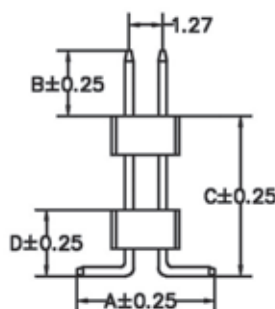
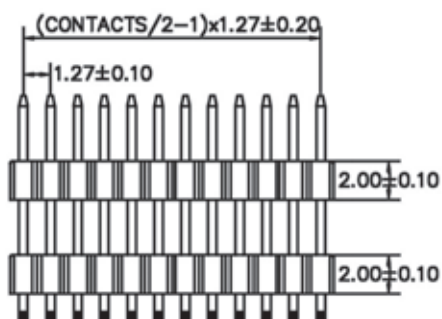
5. PAD & PACKAGE OPTION:
"T" FULL TIN PLATED
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: AC 500V

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 7 2 M 4 - A/B/C/D - x x x x B - x

1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B

YY MM DD 3 4

1. EXTERIOR CODE:

2M4

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

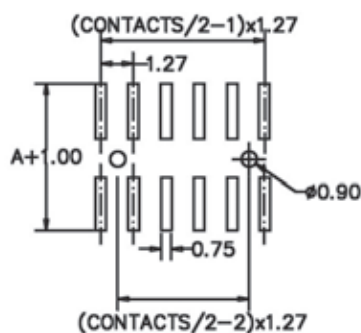
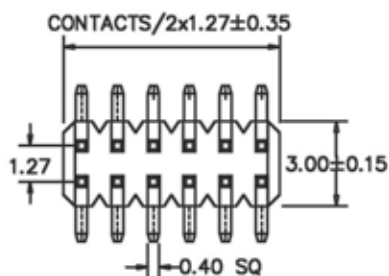
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

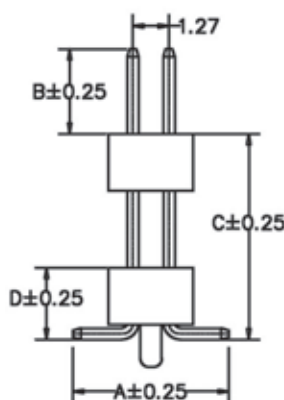
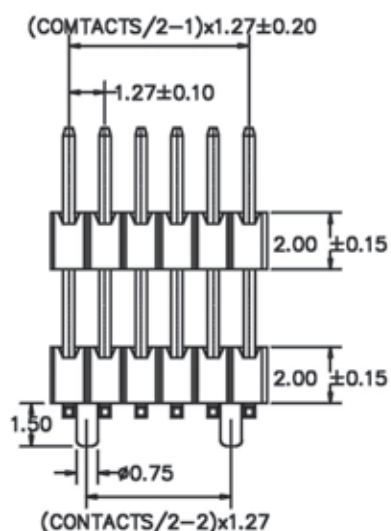
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

WITH PEGS	DIMENSIONS(MM)			
	A	B	C	D
N55	5.5	3.0	9.8	3.8
N56	5.5	3.0	10.4	3.8

ORDERING INFORMATION:

P/N 1 2 $\frac{xxx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. PIN LENGTH:

N55, N56

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

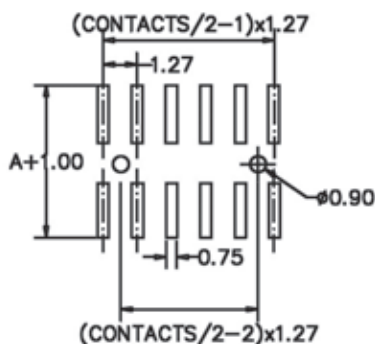
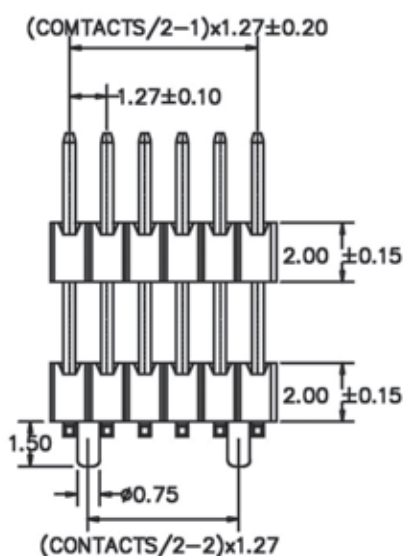
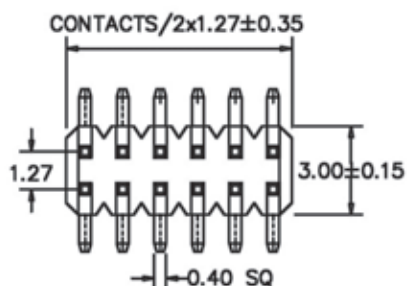
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

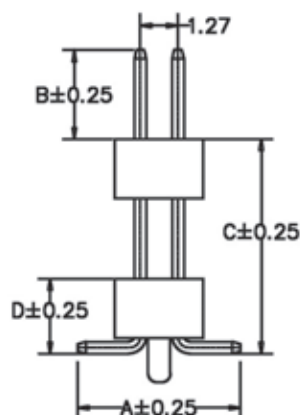
NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 7 2 T 8 - A/B/C/D - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
"2T8" WITH LOCATING PEG
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED

5. PAD & PACKAGE OPTION:
"T" FULL TIN PLATED
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT DIP TYPE ROFILE=2.50MM

SPECIFICATIONS

Current Rating: 1.0 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC Min.

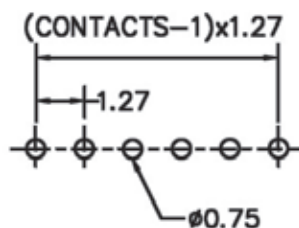
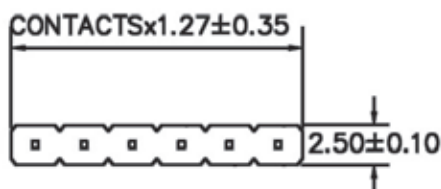
Operating Temperature: -55°C to +105°C

MATERIALS

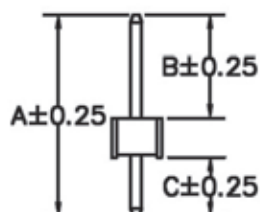
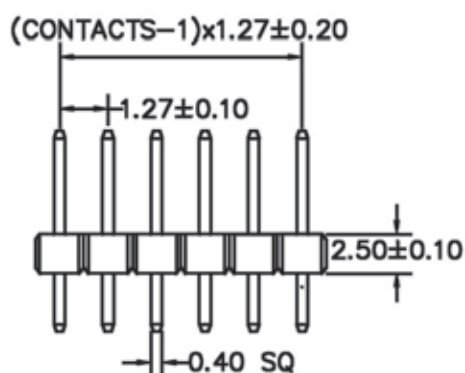
Insulator: NY6T, UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



CODE	A	B	C
N98	7.80	2.70	2.60
N99	8.50	3.00	3.00

ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B
1 2 3

1. PIN LENGTH & PEG OPTION:

N98, N99

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

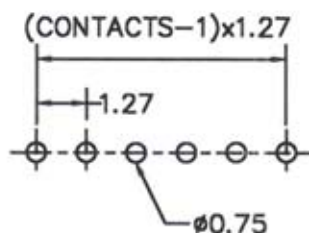
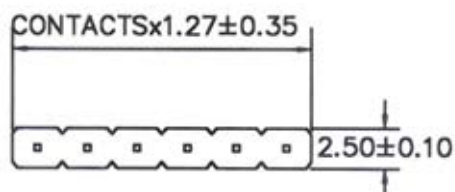
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

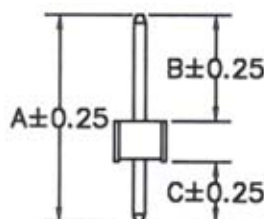
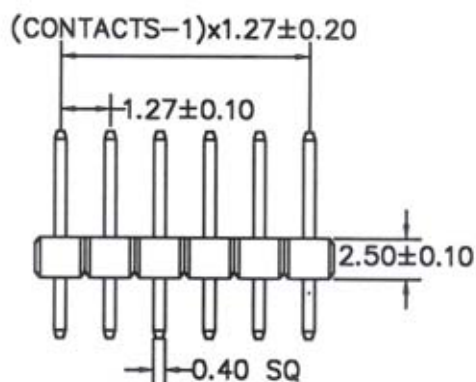
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT DIP TYPE ROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Nylon 6T, UL94V-0

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 7 1 S 1 - A/B/C - x x x x B

1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B

YY MM DD 3 4

1. EXTERIOR CODE:

1S1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

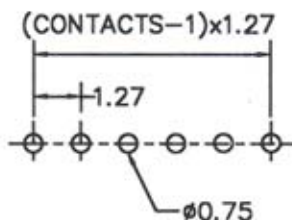
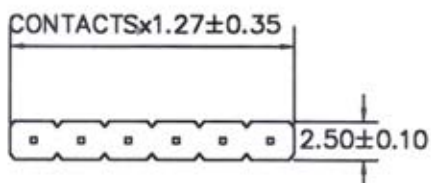
4. CONTACT FINISH:

"G" FULL GOLD PLATED

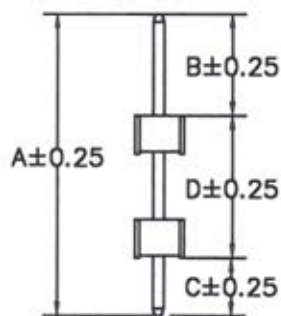
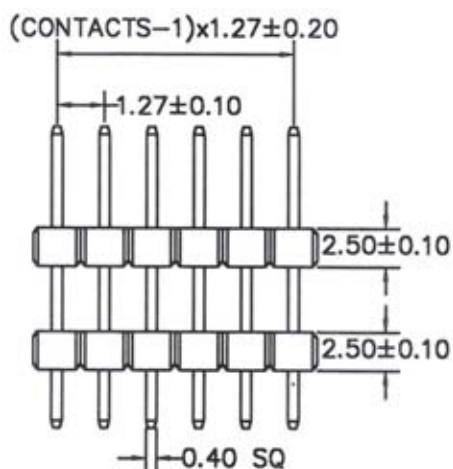
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW STRAIGHT DIP TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 7 1 S 2 - A/B/C/D - x x x x B

1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B

YY MM DD 3 4

1. EXTERIOR CODE:

1S2

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

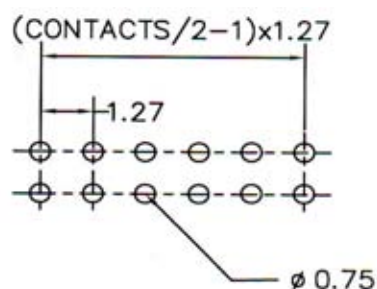
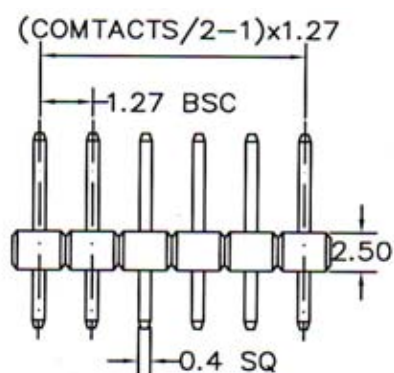
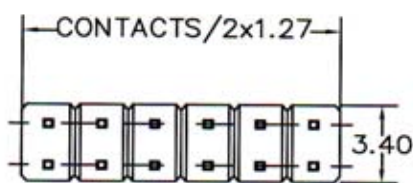
4. CONTACT FINISH:

"G" FULL GOLD PLATED

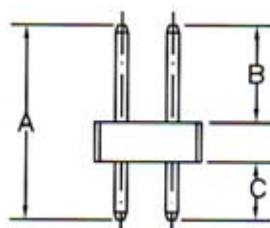
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER STRAIGHT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 600V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

H=2.5mm	B(mm)	C(mm)
RF	3.0	2.3
RG	2.1	3.2
RH	3.0	3.3
RJ	4.8	1.5
RK	3.0	4.2
RL	6.0	3.0
RQ	3.0	2.6
QW	3.5	1.8
VU	2.7	2.3
VW	1.9	2.3
WB	1.6	2.3
WR	2.7	2.6
WS	3.0	3.0

ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B

1. CONNECTOR TYPE:

RF, RG, RH, RJ, RK, RL, RQ

QW, VU, VW, WB, WR, WS

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

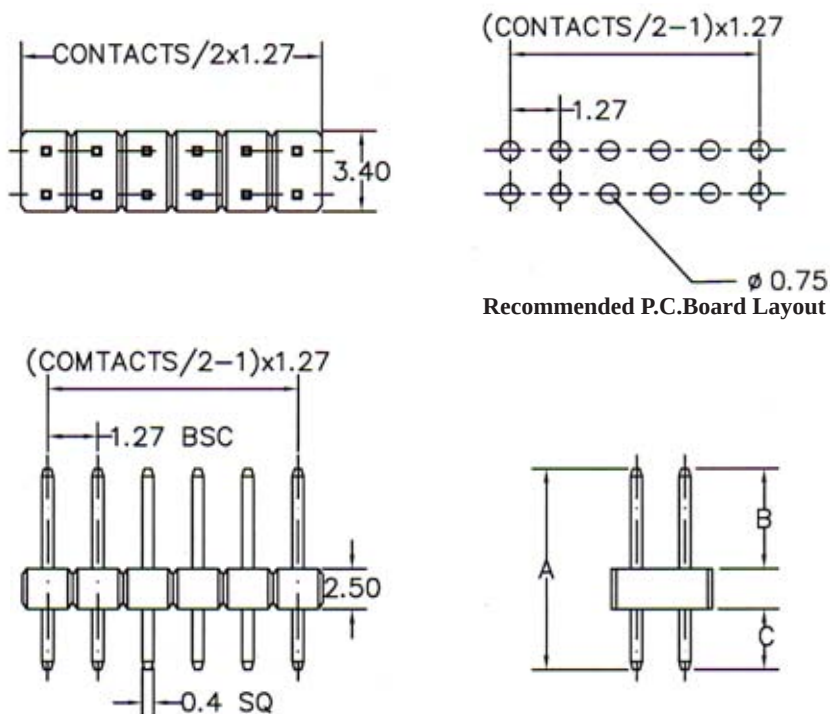
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=2.50MM



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 8 2 S 1 - A/B/C - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:

2S1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

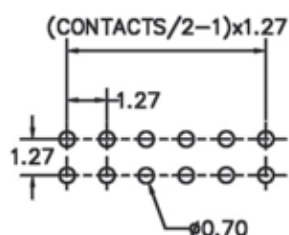
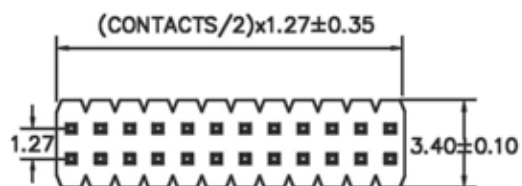
4. CONTACT FINISH:

"G" FULL GOLD PLATED

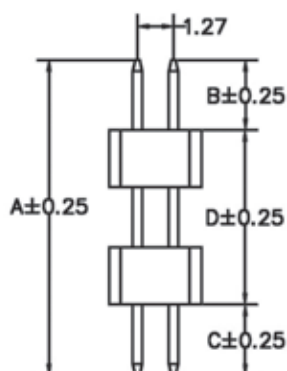
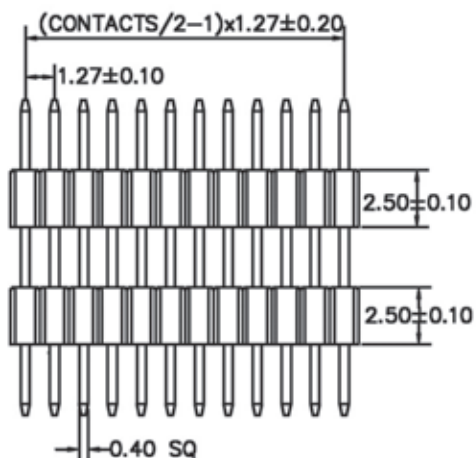
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

H=2.5MM	DIMENSIONS(MM)		
	B	C	D
TU	3.00	2.85	8.48
TX	3.00	2.85	9.18
TY	3.00	3.00	12.50

ORDERING INFORMATION:

P/N 1 2 7 XX - XXX X B
1 2 3

1. PIN LENGTH:

TU, TX, TY

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

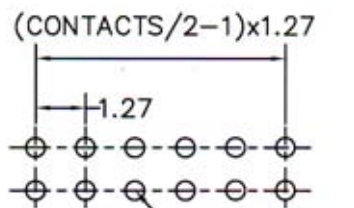
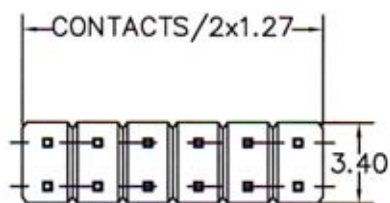
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

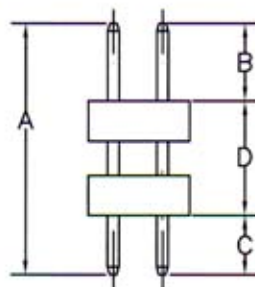
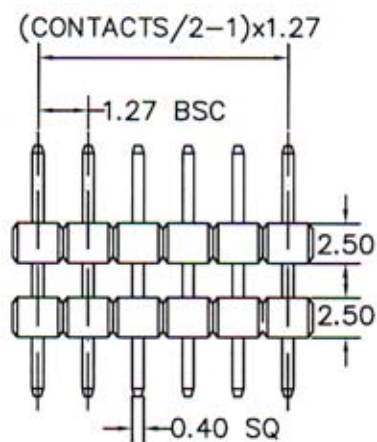
"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 8 2 S 8 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

2S8

2. DIMENSION A/B/C/D (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

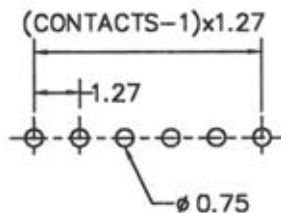
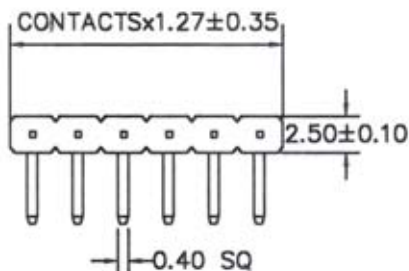
4. CONTACT FINISH:

"G" FULL GOLD PLATED

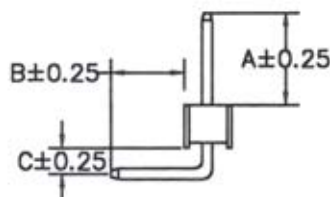
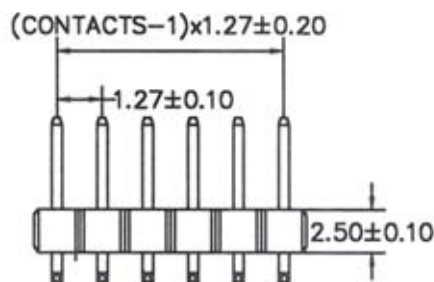
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 7 1 D 1 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1D1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

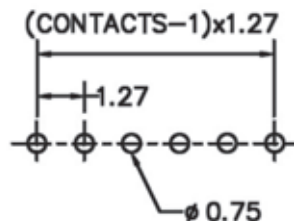
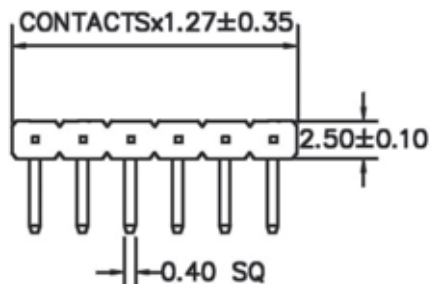
4. CONTACT FINISH:

"G" FULL GOLD PLATED

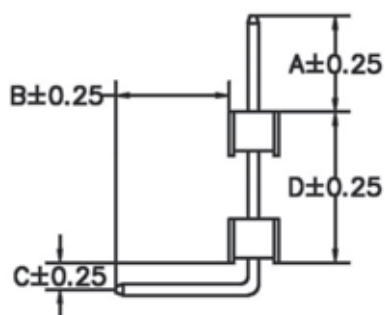
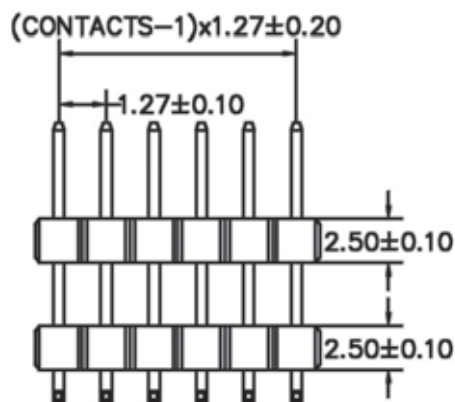
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20m Ω Max.

Insulator Resistance: 5000M Ω Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55 $^{\circ}$ C to +105 $^{\circ}$ C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	DIMENSIONS(MM)			
	A	B	C	D
N22	2.8	2.6	1.5	8.0
N23	4.0	2.6	1.5	8.0
N24	3.3	2.6	1.5	7.0
N25	3.3	2.6	1.5	8.5

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B
1 2 3

1. PIN LENGTH:

N22, N23, N24, N25

2. NO. OF CONTACTS:

002 ~ 050

3. CONTACT FINISH:

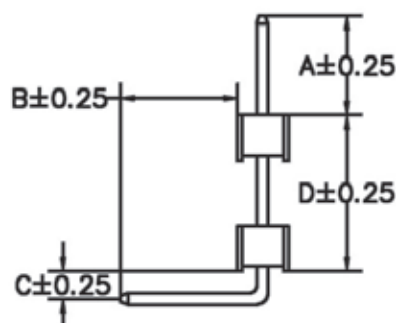
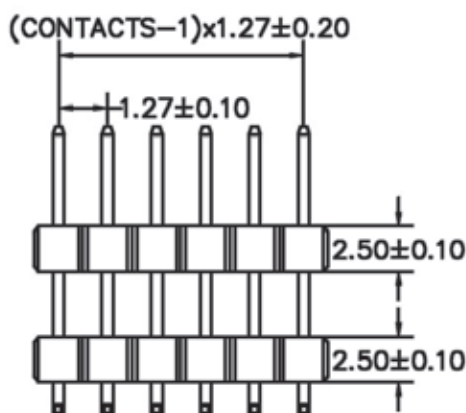
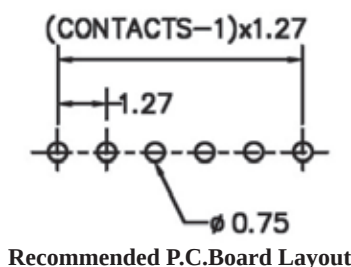
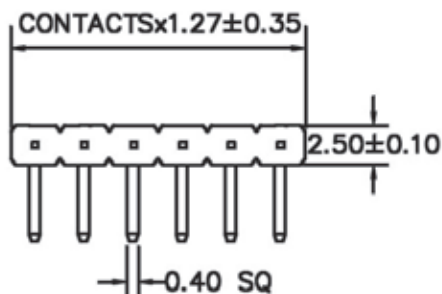
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.50MM



SPECIFICATIONS

Current Rating: 1 A
Contact Resistance: 20mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 1000V AC/Min.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Copper Alloy
All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 7 1 D 4 - A/B/C/D - x x x x B

1 2 3 4

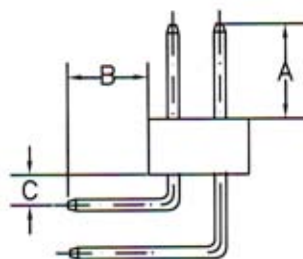
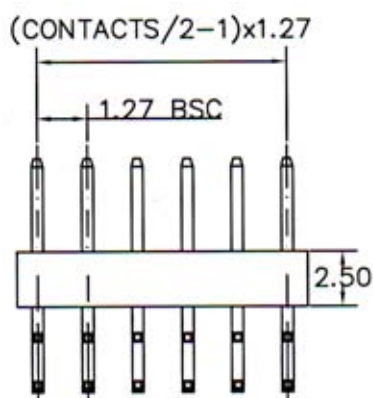
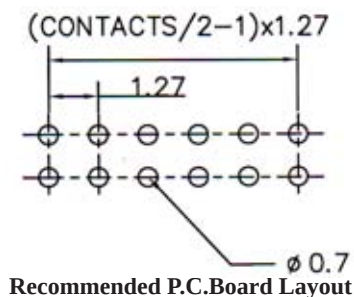
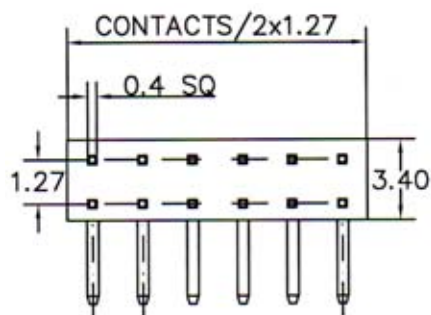
PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B

YY MM DD 3 4

1. EXTERIOR CODE:
1D4
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
002 ~ 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=2.50MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 8 2 D 6 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

2D6

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

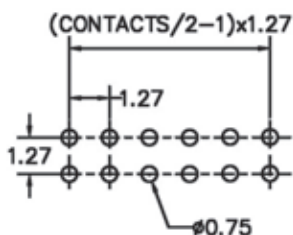
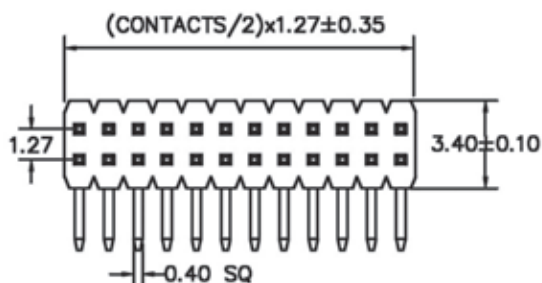
4. CONTACT FINISH:

"G" FULL GOLD PLATED

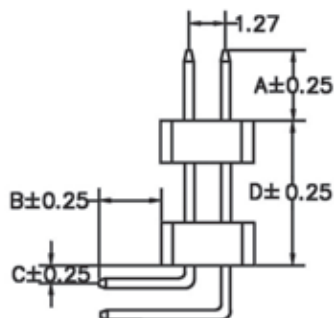
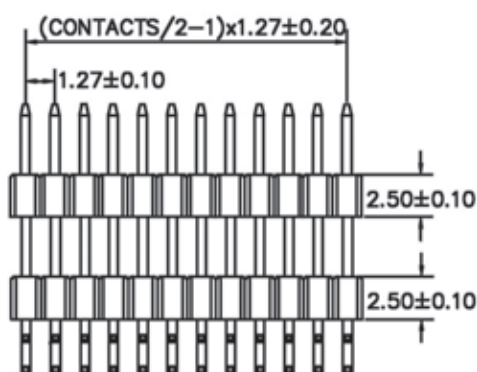
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Dielectric Strength: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

P/N	DIMENSIONS(MM)			
	A	B	C	D
N34	2.8	2.6	1.5	8.0
N35	4.0	2.6	1.5	8.0
N36	3.3	2.6	1.5	7.0
N37	3.3	2.6	1.5	8.5

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B
1 2 3

1. PIN LENGTH:

N34, N35, N36, N37

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

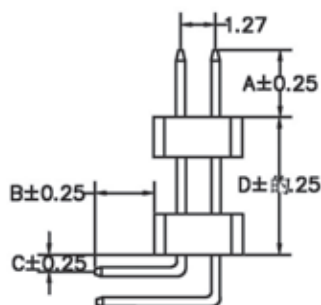
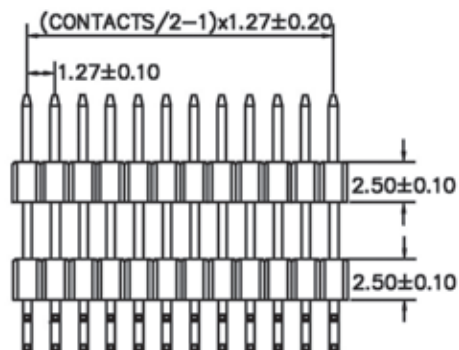
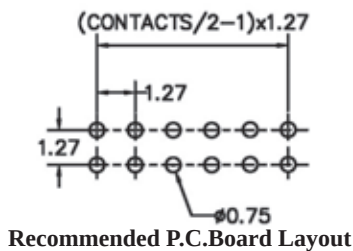
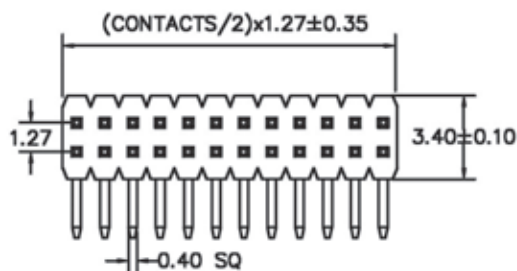
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=2.50MM



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

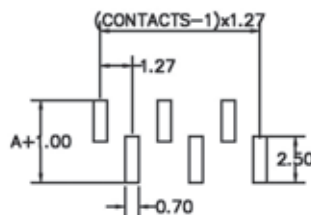
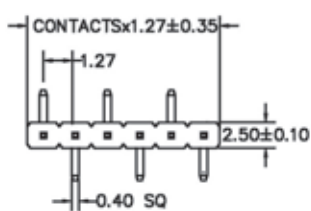
CODE: 1 3 8 2 D 4 - A/B/C/D - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

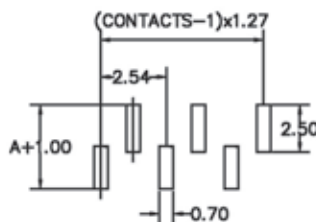
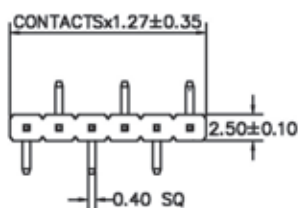
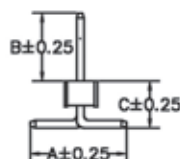
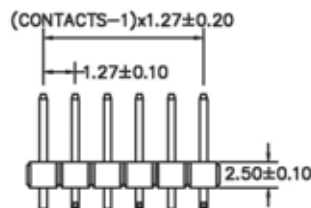
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2D4
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

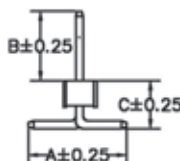
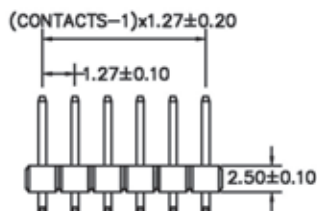
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout
Type A



Recommended P.C.Board Layout
Type B



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 1000V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 7 1 M 1 - A/B/C - x x x x B - x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

1M1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

002 ~ 050

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PCB LAYOUT TYPE:

"A" TYPE A

"B" TYPE B

6. PAD & PACKAGE OPTION:

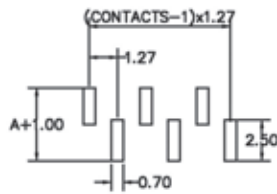
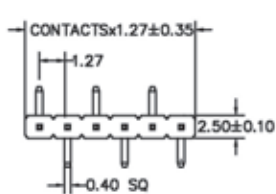
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

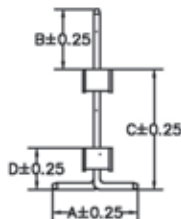
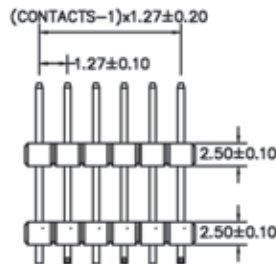
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

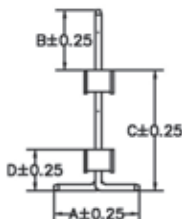
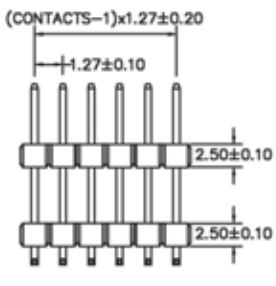
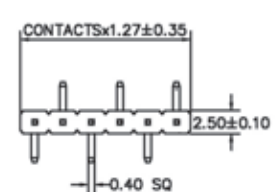
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout
Type A



Recommended P.C.Board Layout
Type B



SPECIFICATIONS

Current Rating: 1 A
Contact Resistance: 20mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 1000V AC/Min.
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Copper Alloy
All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 2 7 1 M 4 - A/B/C/D - x x x x B - x x
1 2 3 4 5 6

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

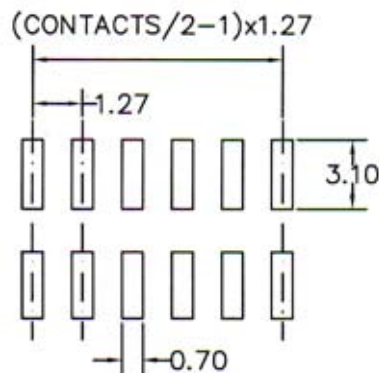
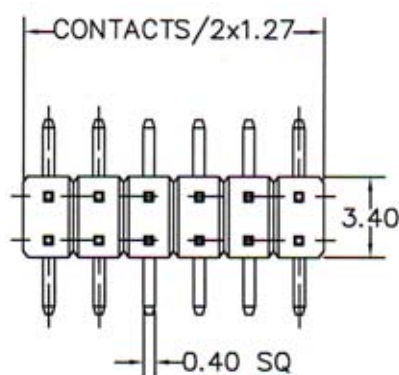
P/N P x x x x x x - x x x x B
YY MM DD 3 4

- EXTERIOR CODE:
1M4
- DIMENSION A/B/C/D (UNIT: mm)
- NO. OF CONTACTS:
002 ~ 050
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

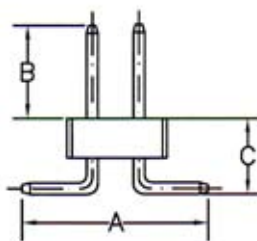
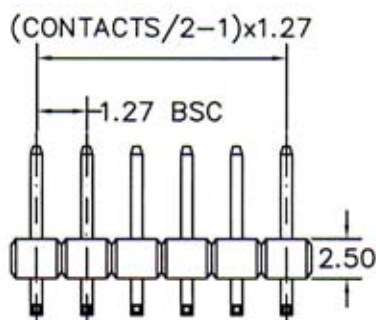
- PCB LAYOUT TYPE:
"A" TYPE A
"B" TYPE B
- PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C. Board Layout



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 7 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:

"TG" A/B/C= 6.5/6.0/3.6mm

"TH" A/B/C= 6.5/6.0/3.3mm

"TJ" A/B/C= 6.5/6.0/4.2mm

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

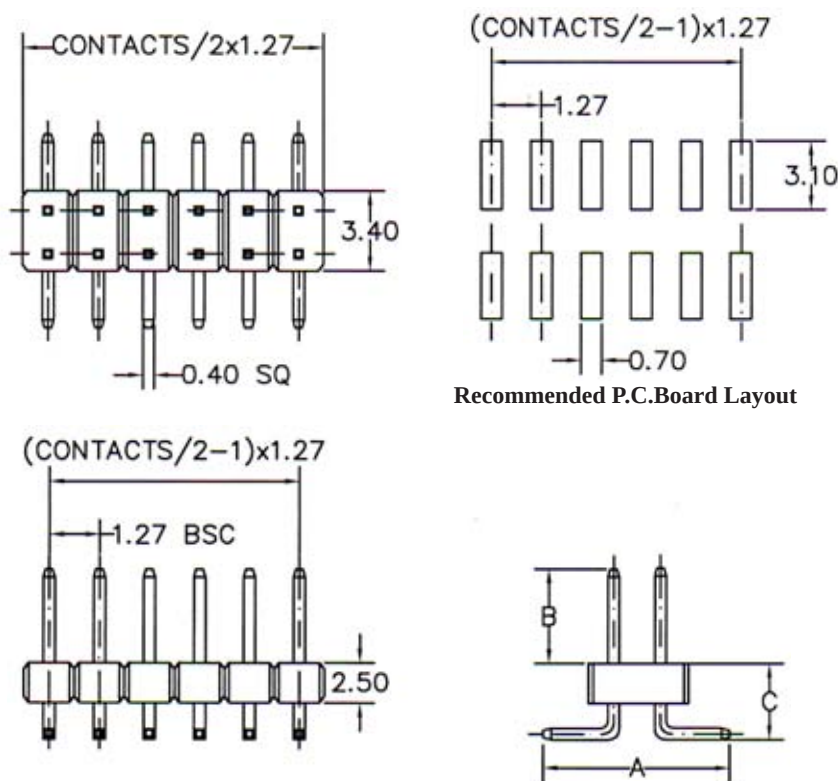
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 8 2 M 1 - A/B/C - x x x x B - x

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x x - x x x x B

1. EXTERIOR CODE:

2M1

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

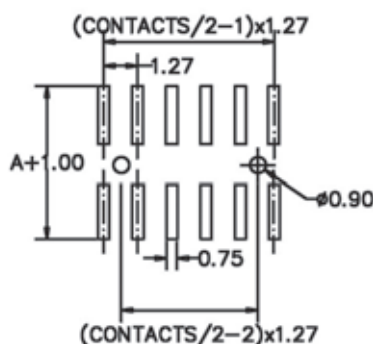
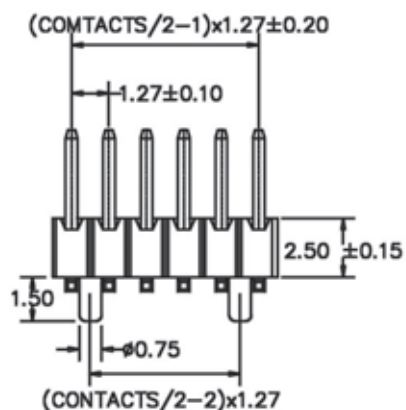
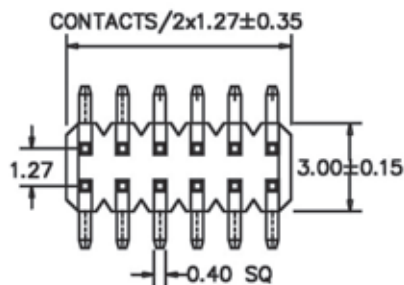
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

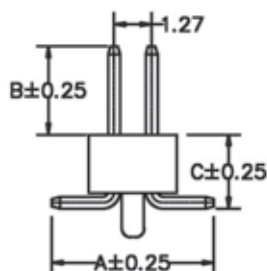
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

WITH PEGS	DIMENSIONS(MM)		
	A	B	C
N57	6.5	6.0	3.6
N58	6.5	6.0	3.3
N59	6.5	6.0	4.2
N60	5.5	3.0	3.3

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B - x
1 2 3 4

1. PIN LENGTH:

N57, N58, N59, N60

2. NO. OF CONTACTS:

008 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

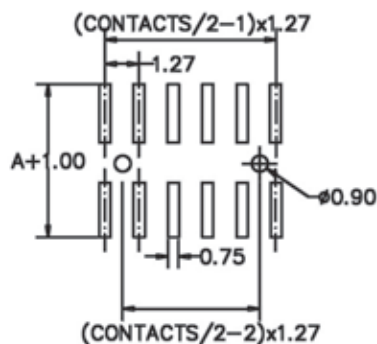
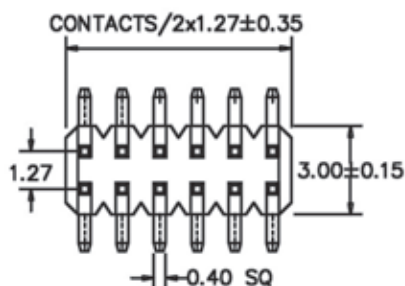
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

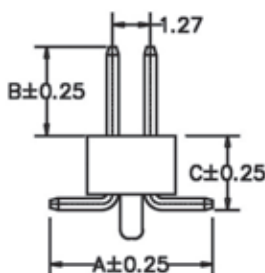
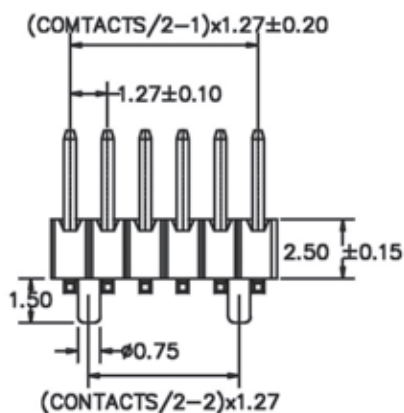
NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 8 2 T 3 - A/B/C - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T3" WITH LOCATING PEG

2. DIMENSION A/B/C (UNIT: mm)

3. NO. OF CONTACTS:

004 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

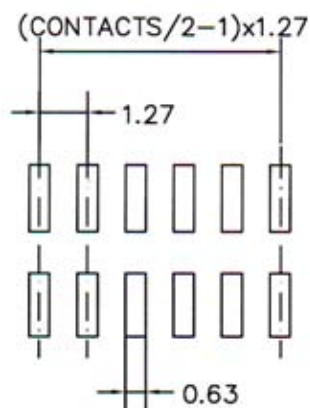
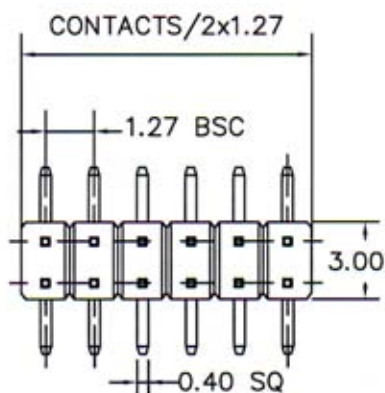
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

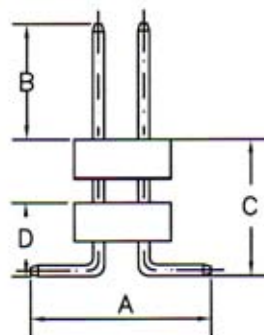
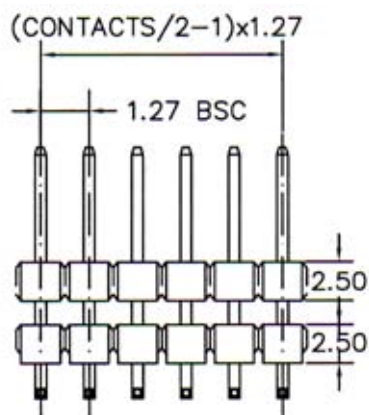
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 1000V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:

"VC" A/B/C/D= 5.5/3.0/9.8/3.8mm

"VD" A/B/C/D= 5.5/3.0/10.4/3.8mm

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.50MM

SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

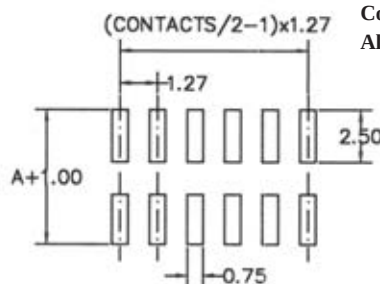
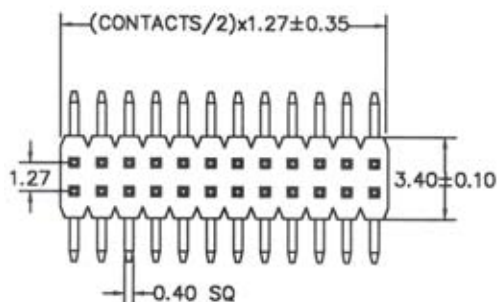
Operating Temperature: -55°C to +105°C

MATERIALS

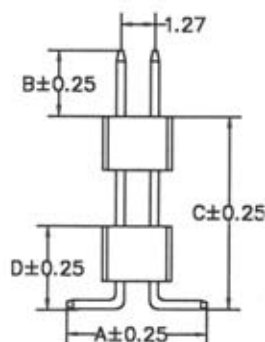
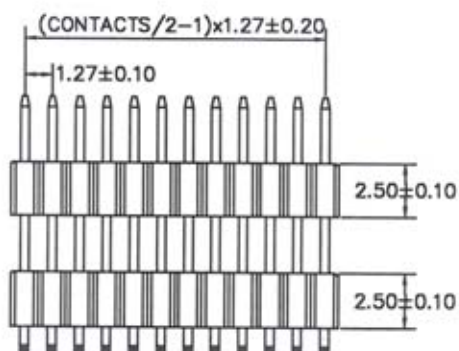
Insulator: NY6T, UL94V-0

Contact: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 1 3 8 2 M 4 - A/B/C/D - x x x x B - x

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

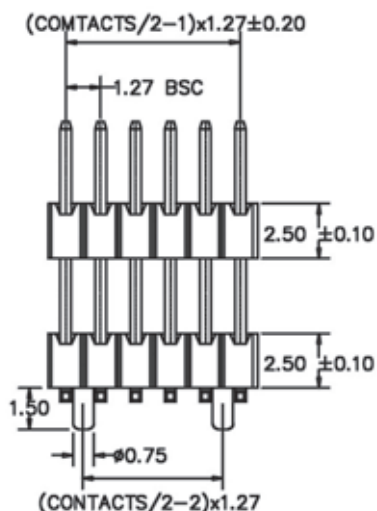
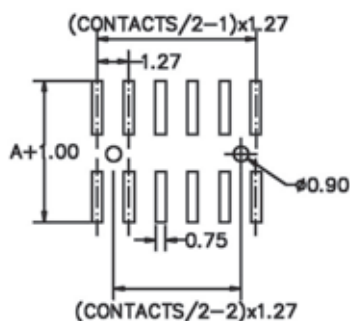
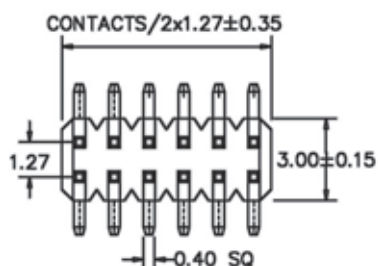
P/N P x x x x x x - x x x x B

1. EXTERIOR CODE:
"2M4" W/O LOCATING PEG
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

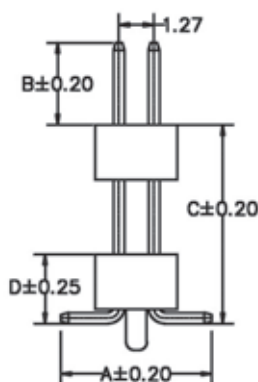
5. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

WITH PEGS	DIMENSIONS(MM)			
	A	B	C	D
N61	5.5	3.0	9.8	3.8
N62	5.5	3.0	10.4	3.8

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B - x
1 2 3 4

1. PIN LENGTH:

N61, N62

2. NO. OF CONTACTS:

008 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

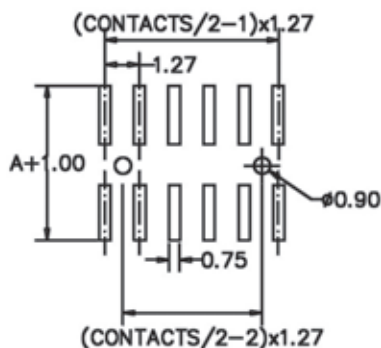
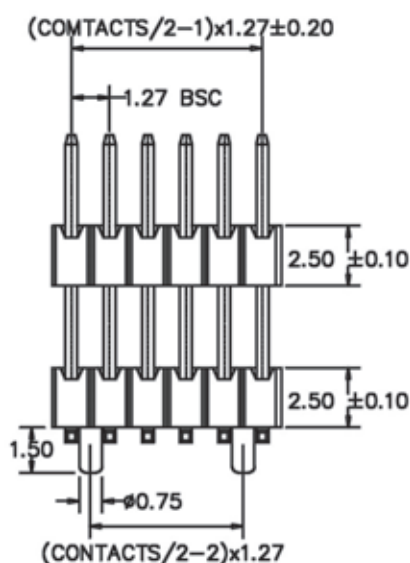
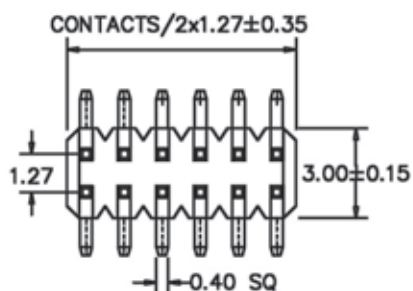
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

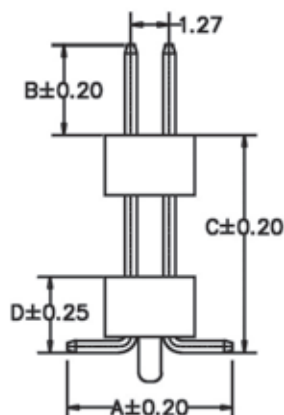
NOTE: PAD = PICK & PLACE PAD

NOTE: SEE NEXT PAGES FOR CUSTOMER'S DESIGNS!

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 A

Contact Resistance: 20mΩ Max.

Insulator Resistance: 1000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 8 $\frac{xxx}{1}$ - $\frac{A/B/C}{2}$ - $\frac{xxx}{3}$ $\frac{x}{4}$ B - $\frac{x}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

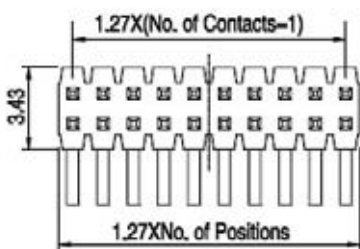
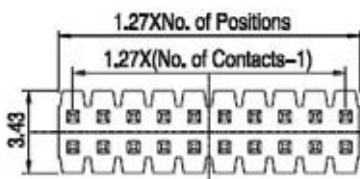
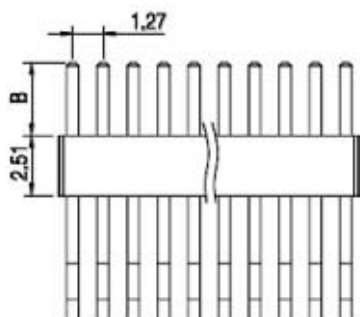
P/N P $\frac{xxx}{YY}$ $\frac{xxx}{MM}$ $\frac{xxx}{DD}$ - $\frac{xxx}{3}$ $\frac{x}{4}$ B

1. EXTERIOR CODE:
"2T6" W/O LOCATING PEG
"2T8" WITH LOCATING PEG
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED

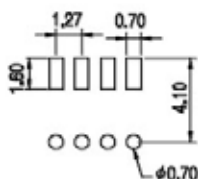
5. PAD & PACKAGE OPTION:
"T" FULL TIN PLATED
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

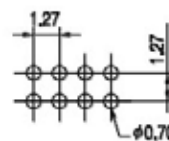
1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE & SMT TYPE



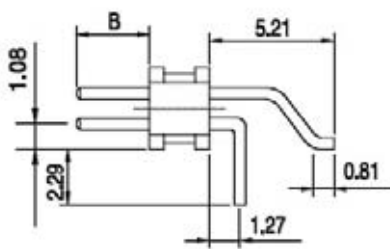
TYPE D	TYPE R	DIM. B
A25	D27	3.05
A26	D28	1.91
A27	D29	1.65
A28	D30	3.81



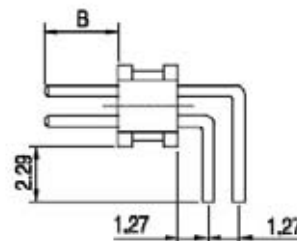
Recommended P.C.Board Layout
D Type



Recommended P.C.Board Layout
R Type



D Type



R Type

SPECIFICATIONS

Current Rating: 1Amp

Insulation Resistance: 500MΩ Min.

Withstanding Voltage: AC 500V

Temperature Range: -40°C to +105°C

Max. Processing Temp:

230°C For 30~60 Seconds

260°C For 10 Seconds

MATERIAL

Insulator: High Temperature

Thermoplastic UL94V-0

Contact: Copper Alloy

Plating: Au or Sn Over Nickel

All materials must be RoHS compliant.

ORDERING INFORMATION:

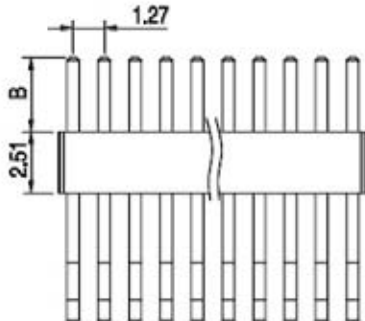
P/N 1 2 xxx - xxx x B - x
1 2 3 4

- CONNECTOR TYPE:
A25, A26, A27, A28, D27, D28, D29, D30
- NO. OF CONTACTS:
004 ~ 070
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

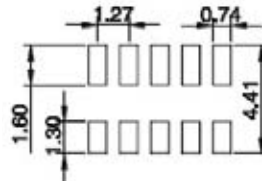
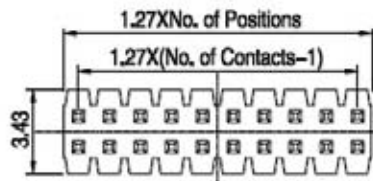
- PACKAGE TYPE:
"T" WITHOUT PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

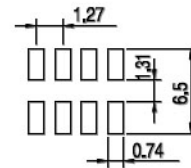
1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE



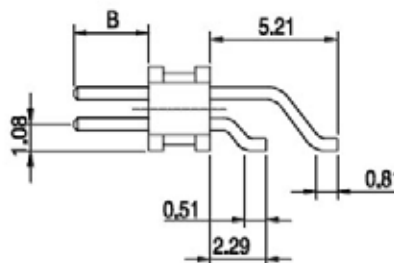
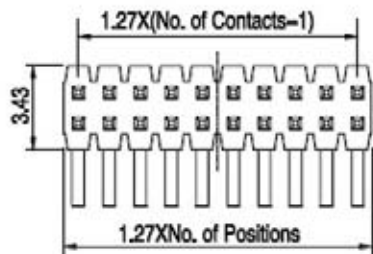
TYPE M	TYPE T	DIM. B
A29	D23	3.05
A30	D24	1.91
A31	D25	1.65
A32	D26	3.81



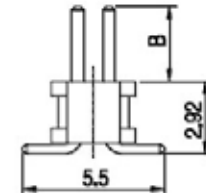
Recommended P.C.Board Layout
M Type



Recommended P.C.Board Layout
T Type



M Type



T Type

SPECIFICATIONS

Current Rating: 1Amp

Insulation Resistance: 500MΩ Min.

Withstanding Voltage: AC 500V

Temperature Range: -40°C to +105°C

Max. Processing Temp:

230°C For 30~60 Seconds

260°C For 10 Seconds

MATERIAL

Insulator: High Temperature

Thermoplastic UL94V-0

Contact: Copper Alloy

Plating: Au or Sn Over Nickel

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B - x
1 2 3 4

1. CONNECTOR TYPE:

A29, A30, A31, A32, D23, D24, D25, D26

2. NO. OF CONTACTS:

004 ~ 070

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE TYPE:

"T" WITHOUT PAD IN TUBE

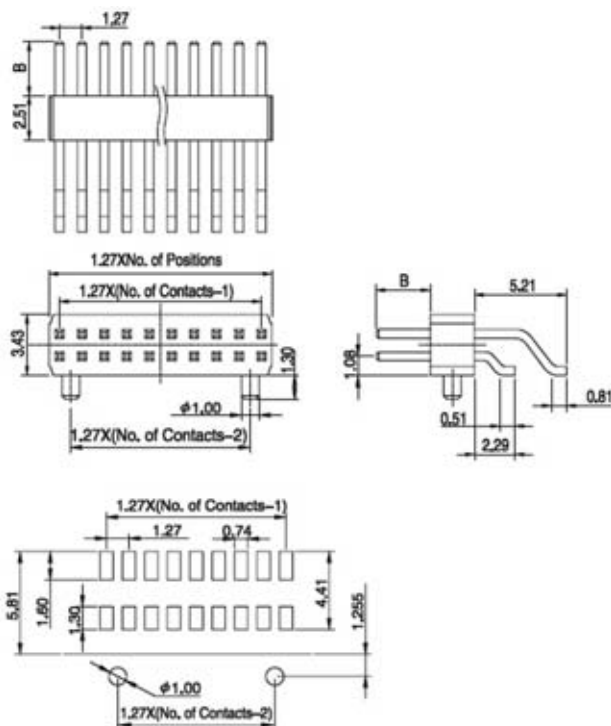
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE

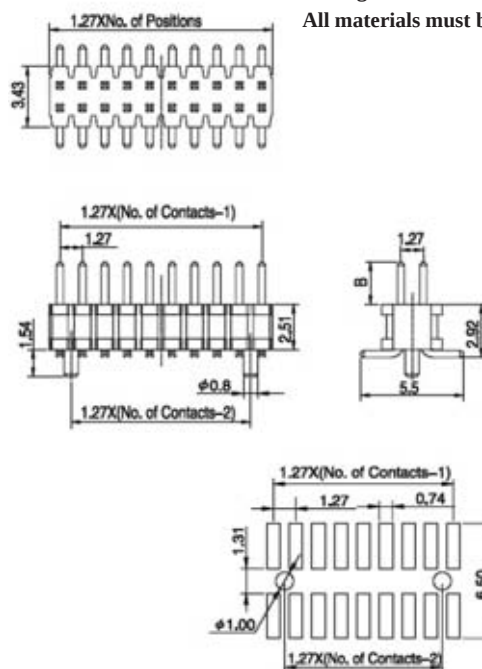
M Type



**Recommended P.C.Board Layout
M Type**

TYPE M	TYPE T	DIM. B
E01	E05	3.05
E02	E06	1.91
E03	E07	1.65
E04	E08	3.81

T Type



**Recommended P.C.Board Layout
T Type**

SPECIFICATIONS

Current Rating: 1Amp

Insulation Resistance: 500MΩ Min.

Withstanding Voltage: AC 500V

Temperature Range: -40°C to +105°C

Max. Processing Temp:

230°C For 30~60 Seconds

260°C For 10 Seconds

MATERIAL

Insulator: High Temperature

Thermoplastic UL94V-0

Contact: Copper Alloy

Plating: Au or Sn Over Nickel

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 x x x - x x x B - x
1 2 3 4

1. CONNECTOR TYPE:

E01, E02, E03, E04, E05, E06, E07, E08

2. NO. OF CONTACTS:

004 ~ 070

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE TYPE:

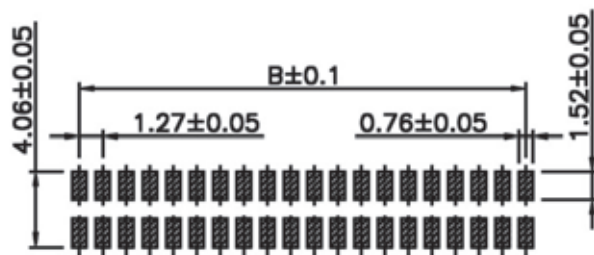
"T" WITHOUT PAD IN TUBE

"P" WITH PAD IN TUBE

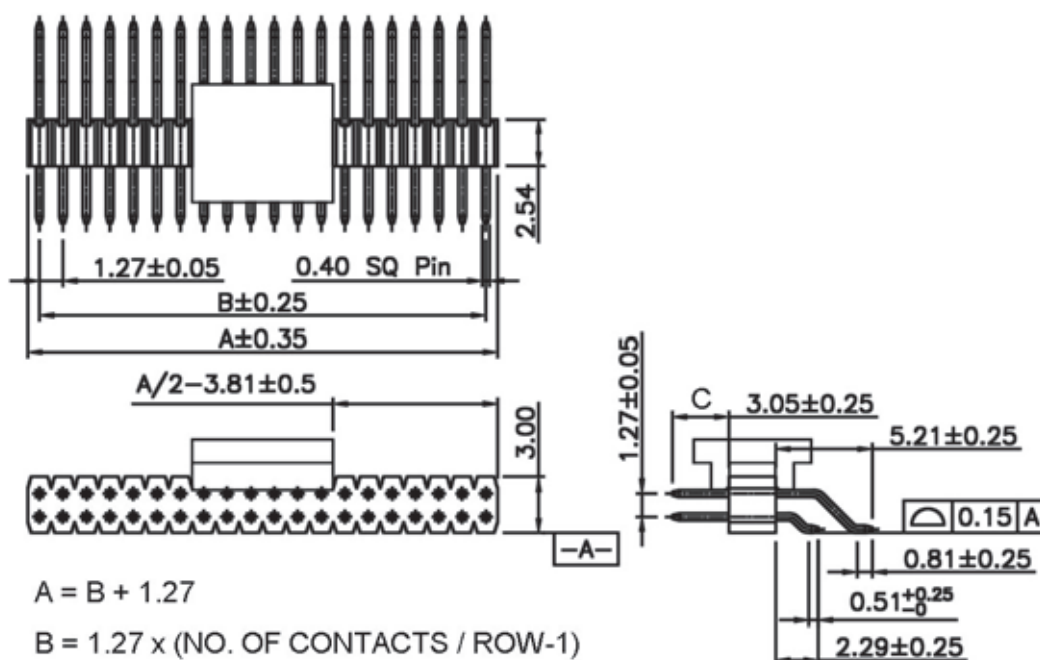
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE SMT TYPE PROFILE=2.54MM



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 A
 Voltage Rating: 100V AC/DC
 Contact Resistance: 30mΩ Max.
 Insulator Resistance: 500MΩ Min.
 Withstanding Voltage: 500V AC/Min.
 Operating Temperature: -25°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
 Contact: Brass
 All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 $\frac{x}{1}$ $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. DIMENSION C:

"H19" C=3.05MM

"H20" C=3.81MM

"H21" C=1.91MM

"H22" C=6.80MM

2. NO. OF CONTACTS:

004 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. PAD, FILM & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

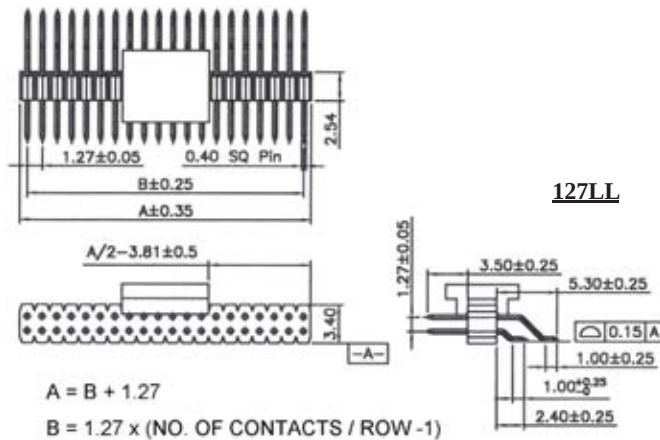
"Q" WITH PAD IN TAPE & REEL

"F" WITH FILM IN TUBE

"G" WITH FILM IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE SMT TYPE PROFILE=2.54MM

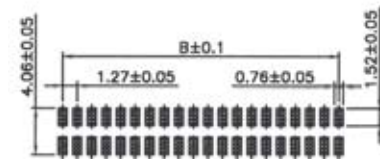


SPECIFICATIONS

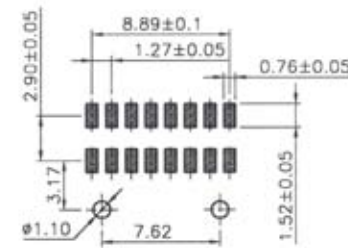
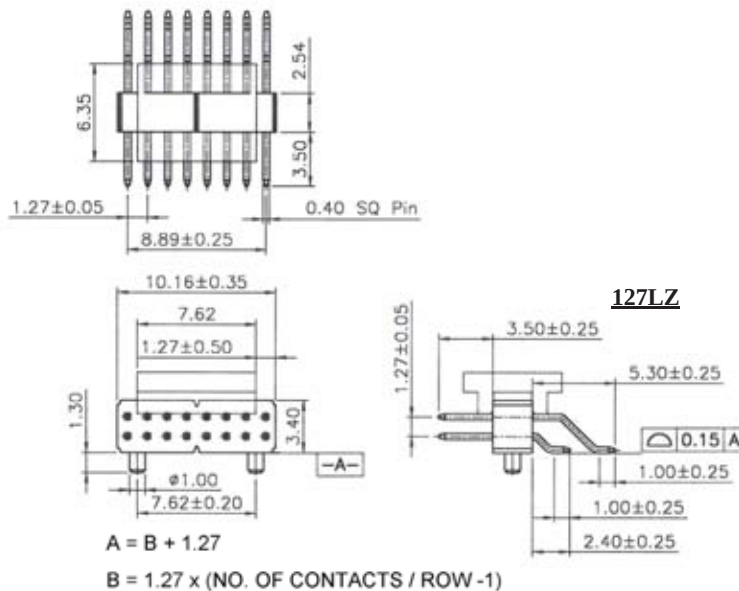
Current Rating: 1.0 A
Voltage Rating: 100V AC/DC
Contact Resistance: 30mΩ Max.
Insulator Resistance: 500MΩ Min.
Withstanding Voltage: 500V AC/Min.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T or LCP UL94V-0, Black
Contact: Brass
All materials must be RoHS compliant.



Recommended P.C.Board Layout



Recommended P.C.Board Layout

ORDERING INFORMATION:

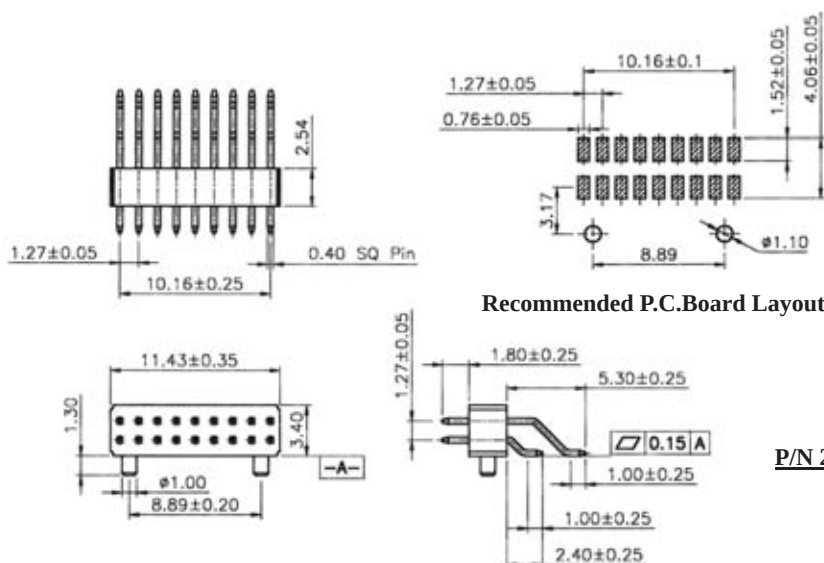
P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

- LOCATING PEG OPTION:
"LL" WITHOUT LOCATING PEGS
"LZ" WITH LOCATING PEGS
- NO. OF CONTACTS:
004 ~ 100
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

- PAD, FILM & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE SMT TYPE PROFILE=2.54MM



Recommended P.C.Board Layout

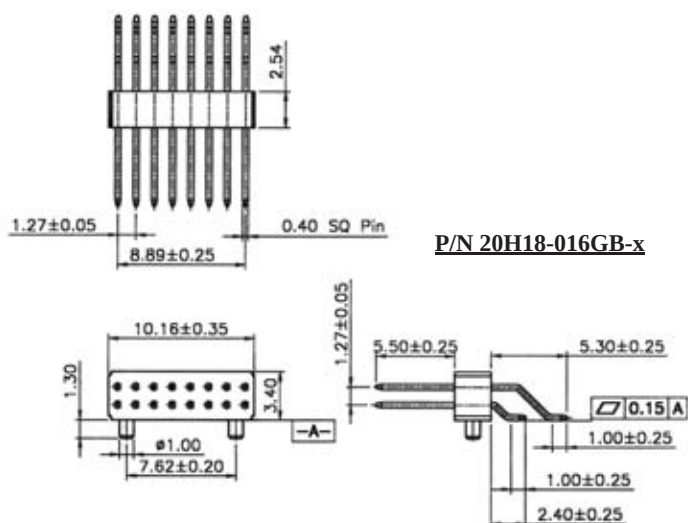
SPECIFICATIONS

Current Rating: 1.0 A
Voltage Rating: 100V AC/DC
Contact Resistance: 20mΩ Max.
Insulator Resistance: 5000MΩ Min.
Withstanding Voltage: 500V AC/Min.
Operating Temperature: -40°C to +105°C

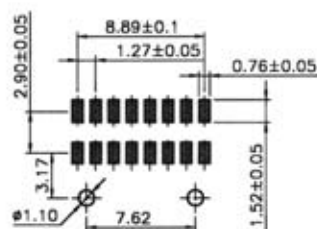
MATERIALS

Insulator: LCP UL94V-0, Black
Contact: Brass
All materials must be RoHS compliant.

P/N 20H17-018GB-x



P/N 20H18-016GB-x



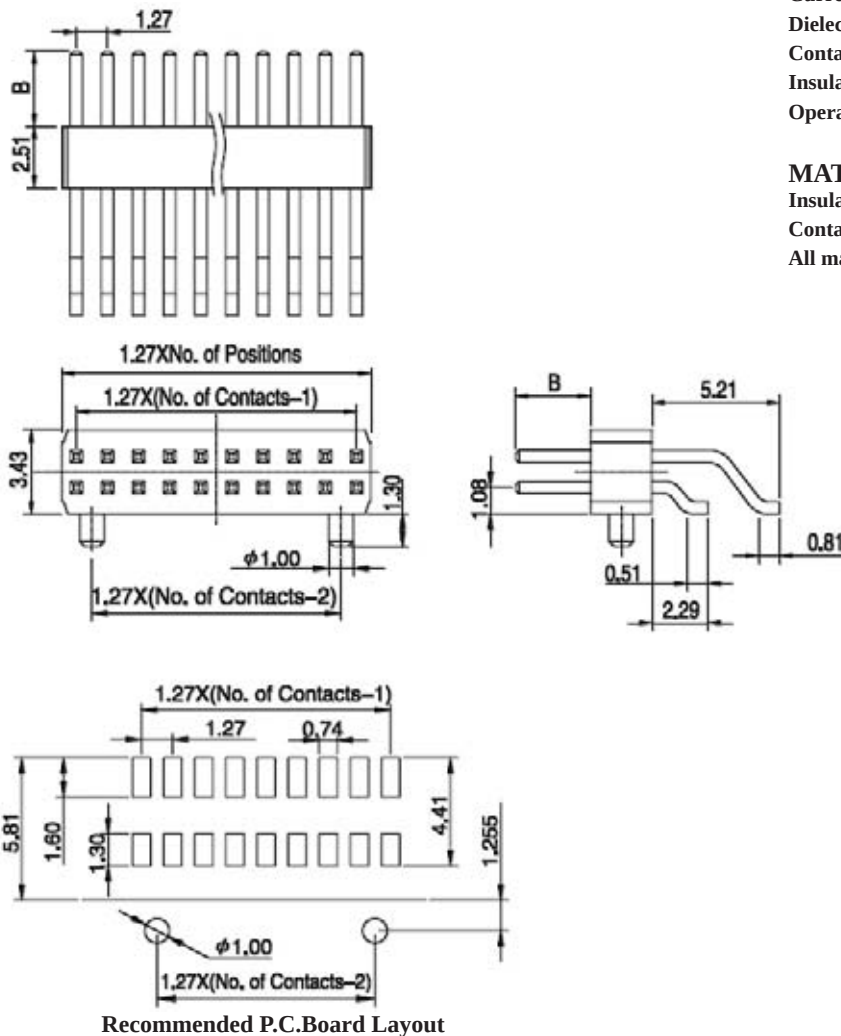
Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 x x x - x x x B - x
1 2 3 4

- CONTACT TYPE:
"H17" C=1.80MM
"H18" C=5.50MM
- NO. OF CONTACTS:
004 ~ 100
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED
- PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.27MM x 1.27MM PIN HEADER DOUBLE ROW RIGHT ANGLE SMT TYPE PROFILE=1.50MM



SPECIFICATIONS

Current Rating: 1 A
Dielectric Withstand: 500V AC
Contact Resistance: 20mΩ Max.
Insulator Resistance: 500MΩ Min.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0
Contact: Copper Alloy
All materials must be RoHS compliant.

ORDERING INFORMATION:

CODE: 1 3 8 2 J 4 - B - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

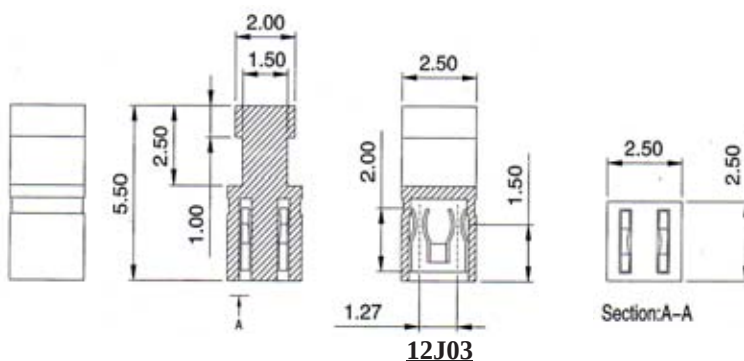
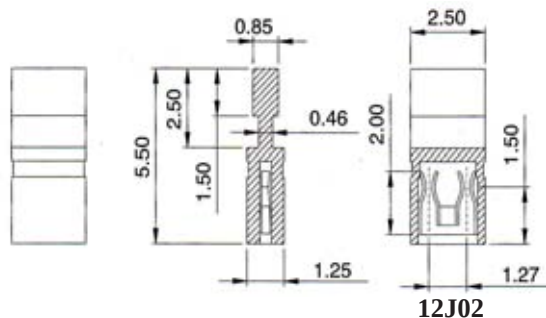
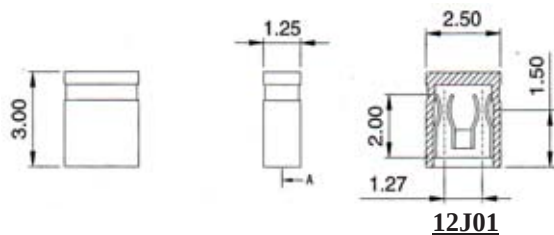
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
2J4
2. DIMENSION B (UNIT: mm)
3. NO. OF CONTACTS:
004 ~ 070
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM(0.050") MINI JUMPER



SPECIFICATIONS

Current Rating: 2.0 Amp

Dielectric Withstand: 650V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: UL94V-2

Nylon 66

Contacts: Phosphore Bronze

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 J x x - x x x G x x x
1 2 3 4 5

1. MINI JUMPER TYPE:

"J01" H= 3.0mm CLOSE TYPE

"J02" H= 5.5mm CLOSE TYPE SINGLE ROW

"J03" H= 5.5mm CLOSE TYPE DOUBLE ROW

2. NO. OF CONTACTS:

002 FOR 12J01 & 12J02

004 FOR 12J03

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. INSULATOR COLOR:

"B" BLACK (STANDARD)

"R" RED

"N" GREEN

"U" BLUE

"W" WHITE

"A" GRAY

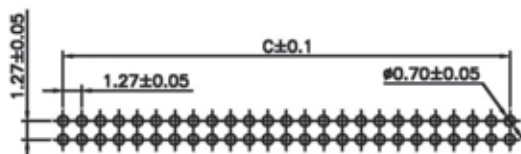
"Y" YELLOW

5. GOLD PLATING THICKNESS:

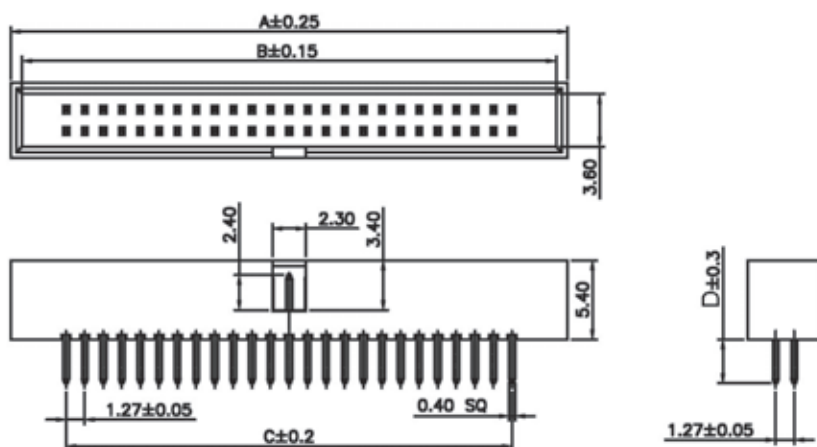
" " GOLD FLASH

"10" 10 MICROINCH GOLD

1.27MM x 1.27MM BOX HEADER DOUBLE ROW STRAIGHT DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 3.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
10	12.65	11.10	5.08
12	13.92	12.37	6.35
14	15.19	13.64	7.62
16	16.46	14.91	8.89
20	19.00	17.45	11.43
24	21.54	19.99	13.97
26	22.81	21.26	15.24
28	24.08	22.53	16.51
30	25.35	23.80	17.78
34	27.89	26.34	20.32
40	31.70	30.20	24.13
44	34.24	32.69	26.67
50	38.05	36.50	30.48
60	44.40	42.90	36.83
64	48.21	46.66	40.64
68	44.40	47.93	41.91
80	57.10	55.60	49.53
100	69.80	68.30	62.23

ORDERING INFORMATION:

P/N 1 2 x x x - x x x x B - x
1 2 3 4

1. PCB LENGTH:

"G35" D=2.00MM

"G36" D=3.00MM

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

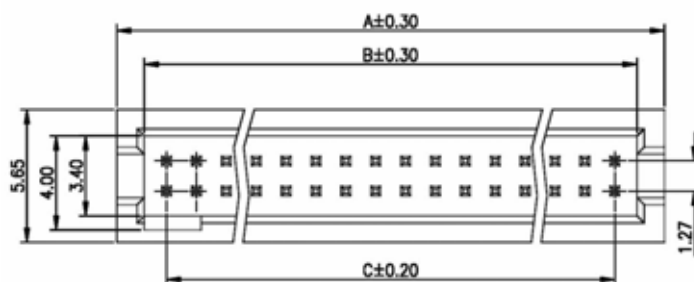
"S" SELECTIVE GOLD PLATED

4. PACKAGE OPTION:

"0" BULK PACKAGE

"T" W/O PAD IN TUBE

1.27MM*1.27MM BOX HEADER DOUBLE ROW STRAIGHT DIP TYPE H = 5.65MM



SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

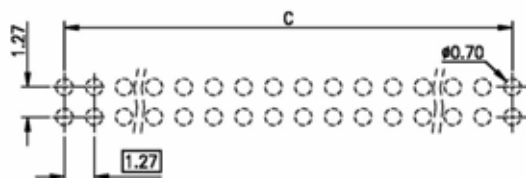
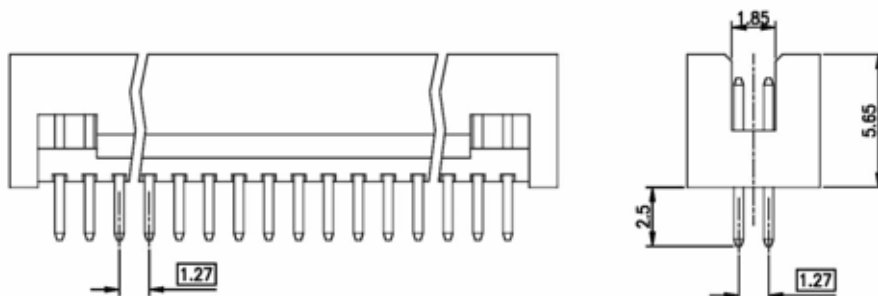
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Thermoplastic (UL 94V-0), Black

Terminal: Sq. 0.40mm Copper Alloy, Gold Plating

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Pin 數	A	B	C	Pin 數	A	B	C
10	9.41	6.99	5.08	56	38.62	36.20	34.29
12	10.68	8.26	6.35	58	39.89	37.47	35.56
14	11.95	9.53	7.62	60	41.16	38.74	36.83
16	13.22	10.80	8.89	62	42.43	40.01	38.10
18	14.49	12.07	10.16	64	43.70	41.28	39.37
20	15.76	13.34	11.43	66	44.97	42.55	40.64
22	17.03	14.61	12.70	68	46.24	43.82	41.91
24	18.30	15.88	13.97	70	47.51	45.09	43.18
26	19.57	17.15	15.24	72	48.78	46.36	44.45
28	20.84	18.42	16.51	74	50.05	47.63	45.72
30	22.11	19.69	17.78	76	51.32	48.90	46.99
32	23.38	20.96	19.05	78	52.59	50.17	48.26
34	24.65	22.23	20.32	80	53.86	51.44	49.53
36	25.92	23.50	21.59	82	55.13	52.71	50.80
38	27.19	24.77	22.86	84	56.40	53.98	52.07
40	28.46	26.04	24.13	86	57.67	55.25	53.34
42	29.73	27.31	25.40	88	58.94	56.52	54.61
44	31.00	28.58	26.67	90	60.21	57.79	55.88
46	32.27	29.85	27.94	92	61.48	59.06	57.15
48	33.54	31.12	29.21	94	62.75	60.33	58.42
50	34.81	32.39	30.48	96	64.02	61.60	59.69
52	36.08	33.66	31.75	98	65.29	62.87	60.96
54	37.35	34.93	33.02	100	66.56	64.14	62.23

ORDERING INFORMATION:

P/N 1 2 E 1 7 - $\frac{xxx}{1}$ $\frac{G}{2}$ B

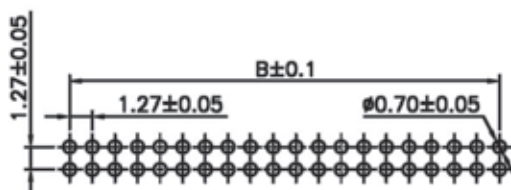
1. NO. OF CONTACTS:

010~100

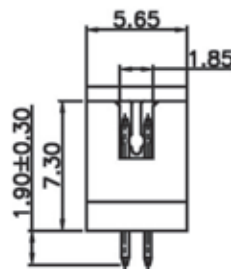
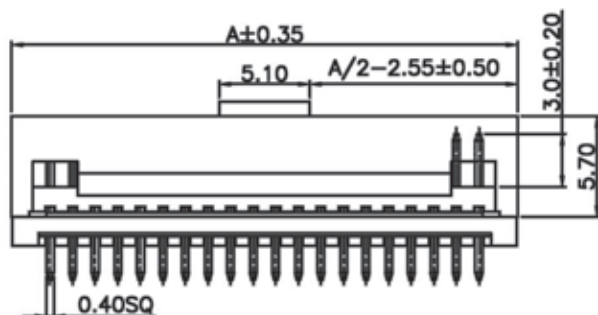
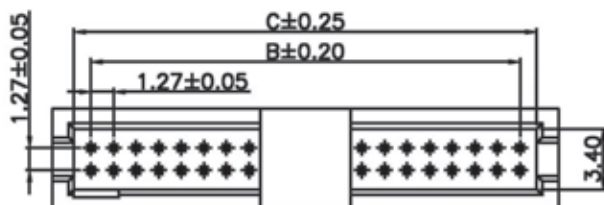
2. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE ROW STRAIGHT DIP TYPE



Recommended P.C.Board Layout



NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
20	15.76	11.43	13.34
40	28.46	24.13	26.04
60	41.16	36.83	38.74

ORDERING INFORMATION:

P/N 1 2 G 3 7 - x x x x B - x
1 2 3 4

- HOUSING LENGTH:
"G37" PROFILE=7.30MM
- NO. OF CONTACTS:
020, 040, 060
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
- PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

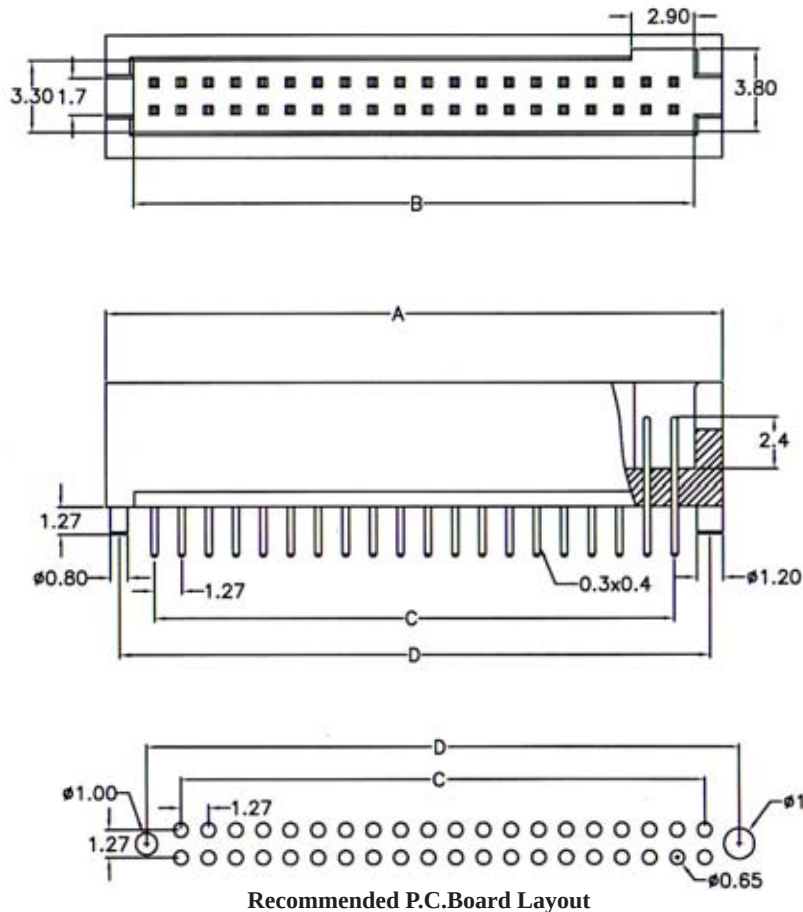
SPECIFICATIONS

Current Rating: 1.0 A
Voltage Rating: 100V AC/DC
Contact Resistance: 30mΩ Max.
Insulator Resistance: 500MΩ Min.
Withstanding Voltage: 500V AC/Min.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black
Contact: Brass
All materials must be RoHS compliant.

1.27MM x 1.27MM BOX HEADER DOUBLE WALL STRAIGHT TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

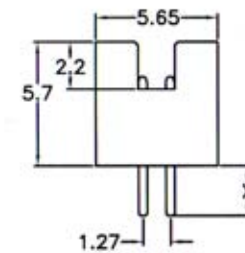
Operating Temperature: -65°C to + 125°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



DIMENSIONS:

A = 1.27 x No. of Contacts/2 + 3.18

B = 1.27 x No. of Contacts/2 + 0.64

C = 1.27 x No. of Contacts/2 - 1.27

D = 1.27 x No. of Contacts/2 + 1.91

ORDERING INFORMATION:

P/N 1 2 B x x - x x x x B - x
1 2 3 4

1. CONNECTOR TYPE:

"B78" X= 3.05mm W/O LOCATING PEG

"B79" X= 1.91mm W/O LOCATING PEG

"B80" X= 2.30mm W/O LOCATING PEG

"B81" X= 3.05mm WITH LOCATING PEG

"B82" X= 1.91mm WITH LOCATING PEG

"B83" X= 2.30mm WITH LOCATING PEG

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

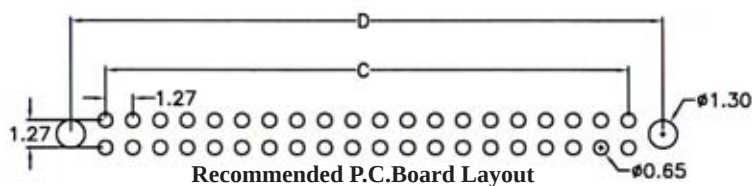
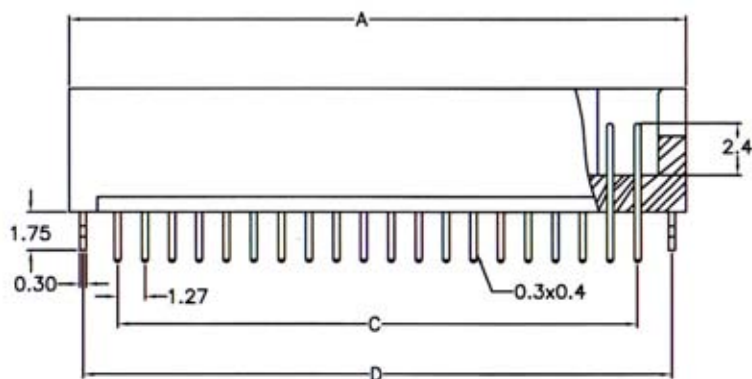
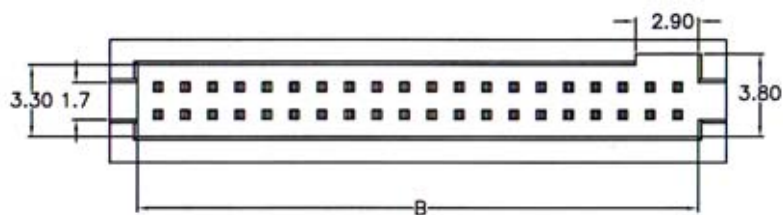
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

1.27MM x 1.27MM BOX HEADER DOUBLE WALL TYPE WITH BOARD LOCK



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

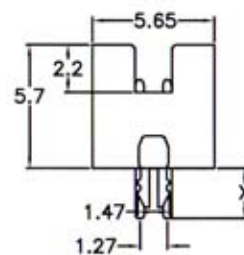
Operating Temperature: -65°C to + 125°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



DIMENSIONS:

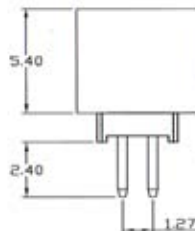
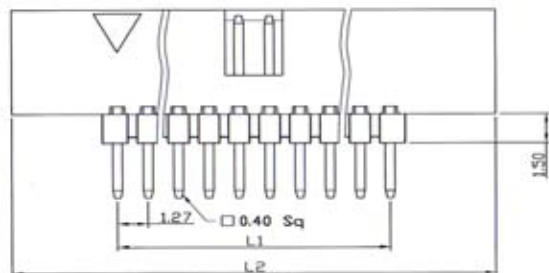
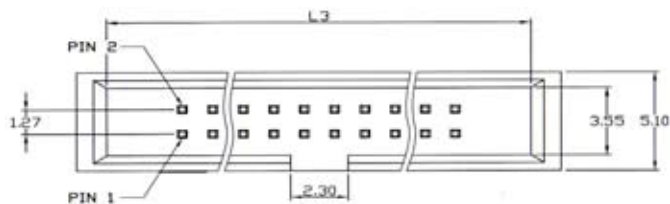
$$A = 1.27 \times \text{No. of Contacts}/2 + 3.18$$
$$B = 1.27 \times \text{No. of Contacts}/2 + 0.64$$
$$C = 1.27 \times \text{No. of Contacts} / 2 - 1.27$$
$$D = 1.27 \times \text{No. of Contacts}/2 + 1.91$$

ORDERING INFORMATION:

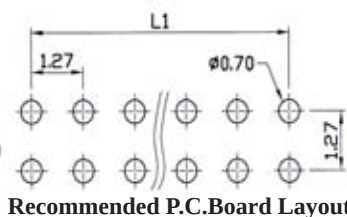
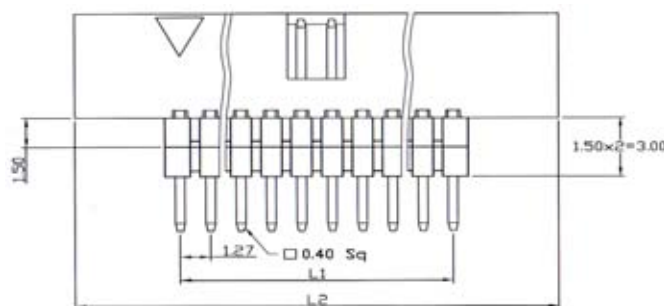
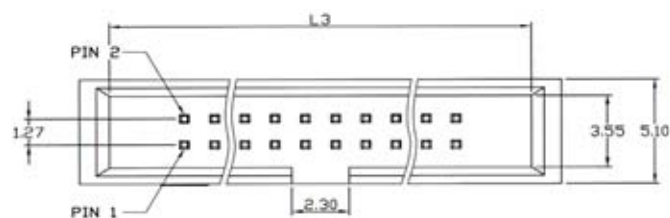
P/N 1 2 B x x - x x x x B - x
1 2 3 4

1. TERMINAL DIMENSION:
"B84" X= 3.05mm WITH BOARD LOCK
"B85" X= 1.91mm WITH BOARD LOCK
"B86" X= 2.30mm WITH BOARD LOCK
2. NO. OF CONTACTS:
010 ~ 100
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED (STANDARD)
"G" FULL GOLD PLATED
4. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

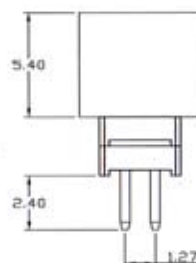
1.27MM x 1.27MM BOX HEADER STRAIGHT TYPE



12C49



Recommended P.C.Board Layout



12C50

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

P/N 1 2 C xx - xxxx B
1 2 3

1. EXTERIOR TYPE:

"C49" WITH 1 ELEVATION

"C50" WITH 2 ELEVATIONS

2. NO. OF CONTACTS:

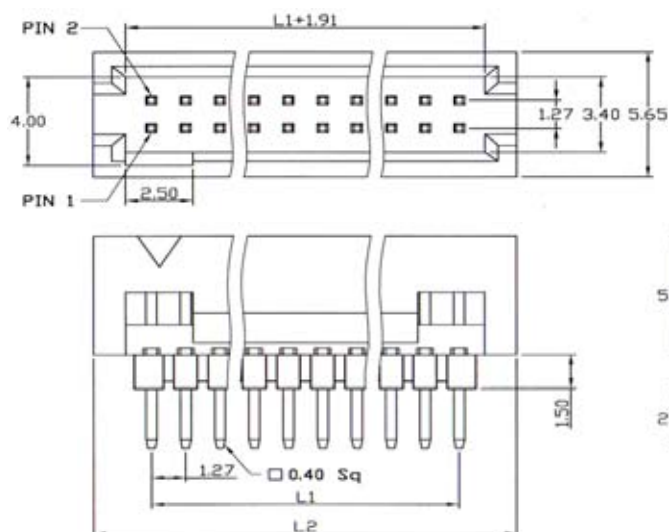
006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE WALL STRAIGHT TYPE



12C51

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

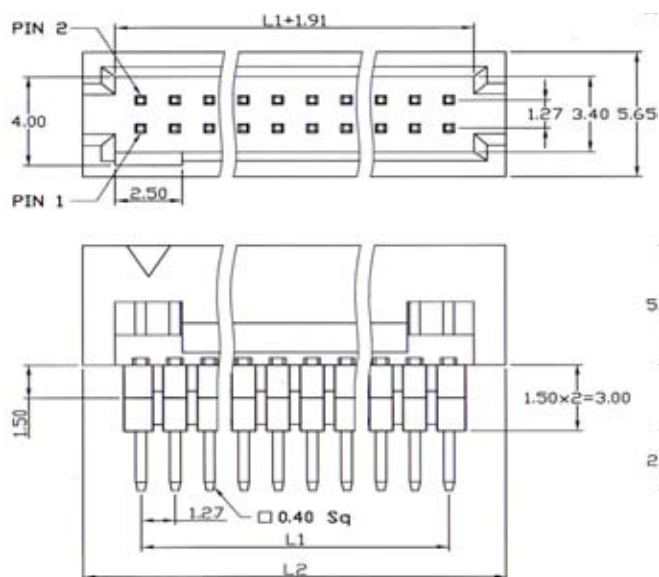
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

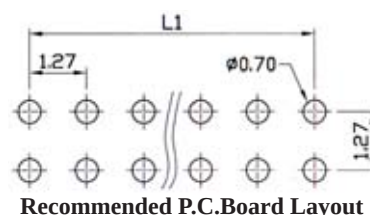
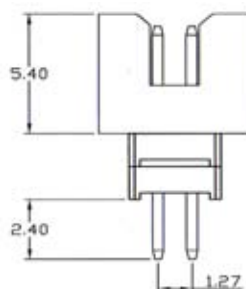


12C52

DIMENSIONS:

L1 = 1.27 x (No. of Contacts/Row-1)

L2 = 1.27 x No. of Contacts/Row+3.06



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 C xx - xxxx B
1 2 3

1. EXTERIOR TYPE:

"C51" WITH 1 ELEVATION

"C52" WITH 2 ELEVATIONS

2. NO. OF CONTACTS:

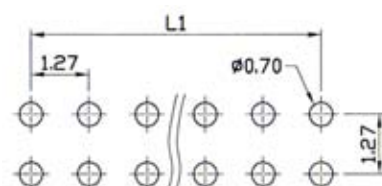
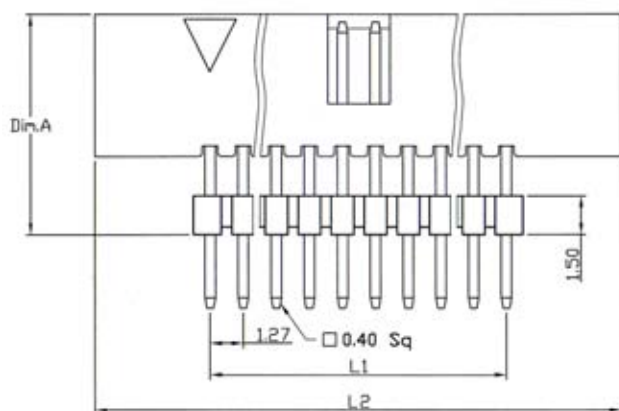
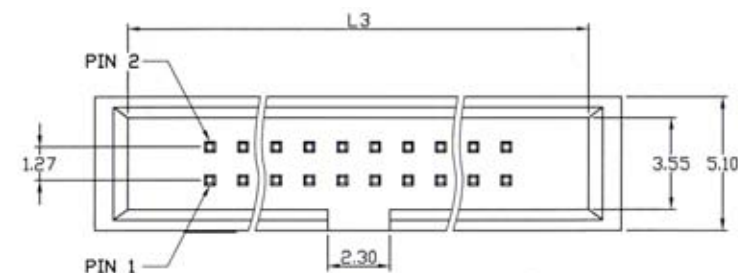
010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM ELEVATED BOX HEADER STRAIGHT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
6	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

CODE: 1 4 3 2 S 3 - $\frac{A}{1} - \frac{xxx}{2} \frac{x}{3} B$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{xxx}{YY} \frac{xxx}{MM} \frac{xxx}{DD} - \frac{xxx}{2} \frac{x}{3} B$

1. DIMENSION A (UNIT: mm)

2. NO. OF CONTACTS:

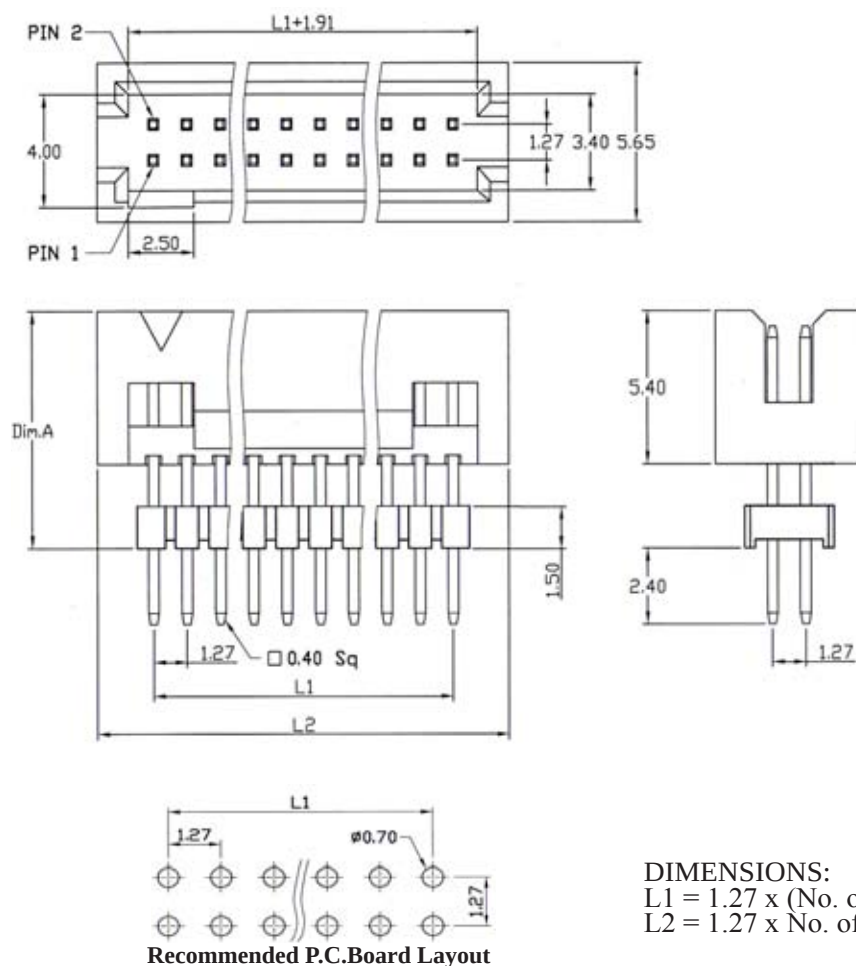
006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM ELEVATED BOX HEADER DOUBLE WALL STRAIGHT TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

LCP or Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

DIMENSIONS:

L1 = 1.27 x (No. of Contacts/Row-1)

L2 = 1.27 x No. of Contacts/Row+3.06

ORDERING INFORMATION:

CODE: 1 4 2 2 S 3 - $\frac{A}{1} - \frac{xxx}{2} \frac{x}{3} B$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{xxx}{YY} \frac{xxx}{MM} \frac{xxx}{DD} x - \frac{xxx}{2} \frac{x}{3} B$

1. DIMENSION A (UNIT: mm)

2. NO. OF CONTACTS:

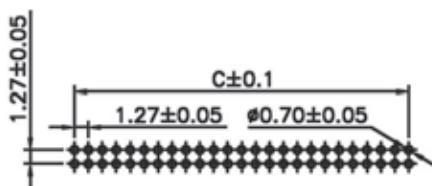
010 ~ 100

3. CONTACT FINISH:

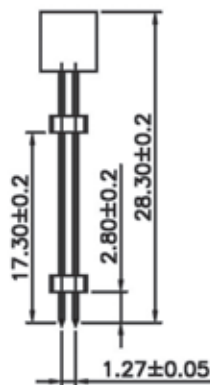
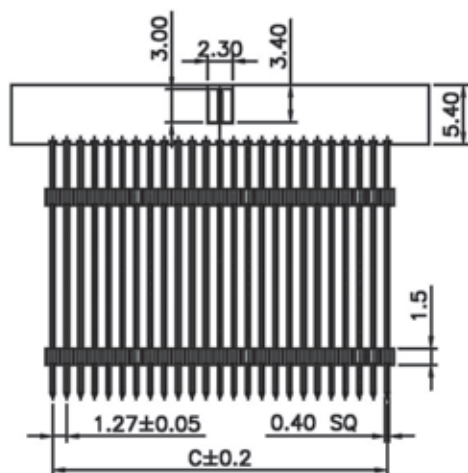
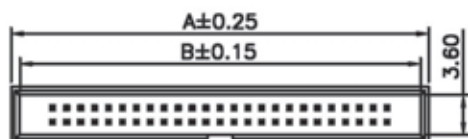
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE ROW STRAIGHT DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 3.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 20mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: LCP UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

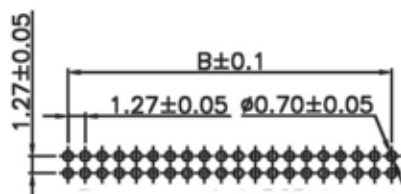
NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
10	12.65	11.10	5.08
12	13.92	12.37	6.35
14	15.19	13.64	7.62
16	16.46	14.91	8.89
20	19.00	17.45	11.43
24	21.54	19.99	13.97
26	22.81	21.26	15.24
28	24.08	22.53	16.51
30	25.35	23.80	17.78
34	27.89	26.34	20.32
40	31.70	30.20	24.13
44	34.24	32.69	26.67
50	38.05	36.50	30.48
60	44.40	42.90	36.83
64	48.21	46.66	40.64
68	44.40	47.93	41.91
80	57.10	55.60	49.53
100	69.80	68.30	62.23

ORDERING INFORMATION:

P/N 1 2 G 3 9 - x x x x B - x

1. HOUSING LENGTH:
"G39" LONG PIN TYPE
2. NO. OF CONTACTS:
010 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
4. PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE

1.27MM x 1.27MM BOX HEADER DOUBLE ROW STRAIGHT DIP TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

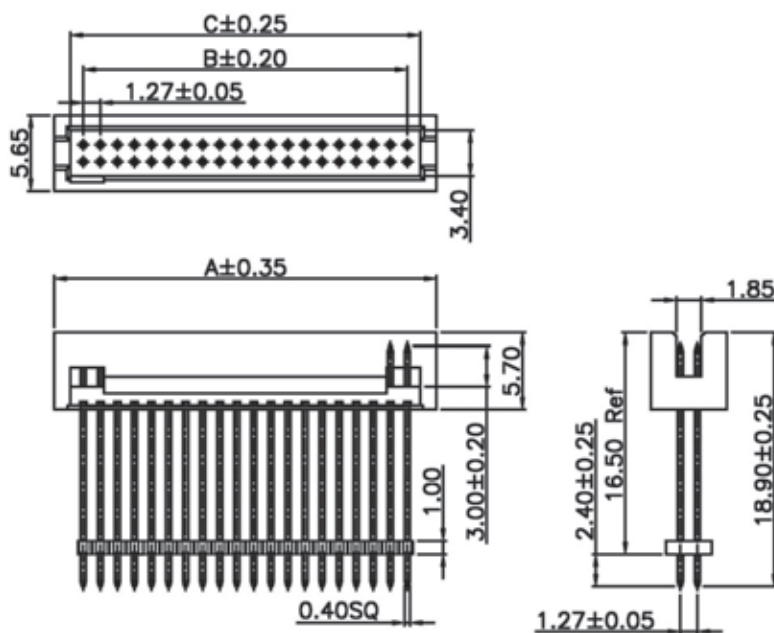
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.



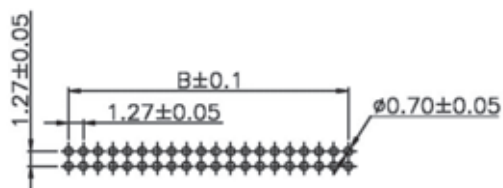
NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
20	15.76	11.43	13.34
40	28.46	24.13	26.04
60	41.16	36.83	38.74
80	53.86	49.53	51.44

ORDERING INFORMATION:

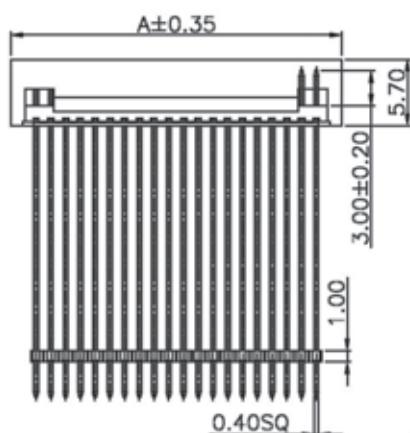
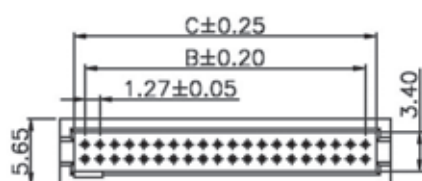
P/N 1 2 G 4 1 - x x x x B - x
1 2 3 4

- TOTAL HEIGHT:
"G41" H=18.90MM
- NO. OF CONTACTS:
020, 040, 060, 080
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
- PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE

1.27MM x 1.27MM BOX HEADER DOUBLE ROW STRAIGHT DIP TYPE



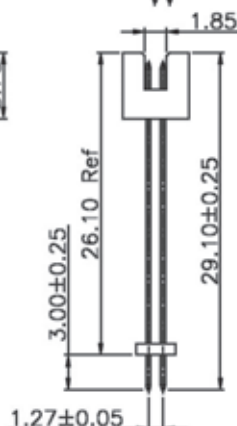
Recommended P.C.Board Layout



$$A = B + 4.33$$

$$B = 1.27 \times (\text{NO. OF CONTACTS / ROW} - 1)$$

$$C = B + 1.91$$



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 G 4 2 - x x x x B - x
1 2 3 4

1. TOTAL HEIGHT:

"G42" H=29.10MM

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

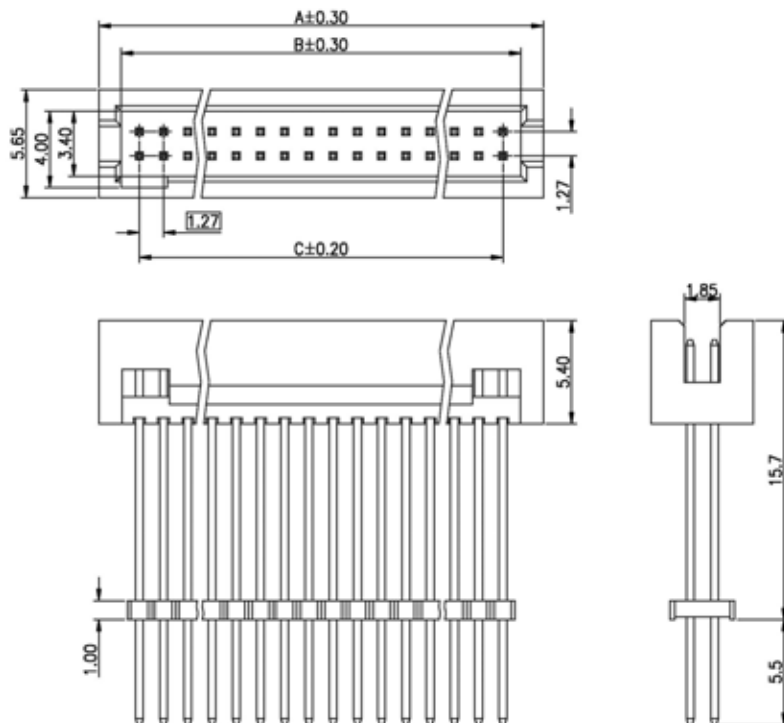
"S" SELECTIVE GOLD PLATED

4. PACKAGE OPTION:

"0" BULK PACKAGE

"T" W/O PAD IN TUBE

1.27MM*1.27MM BOX HEADER DOUBLE ROW STRAIGHT DIP TYPE H = 15.7MM



SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

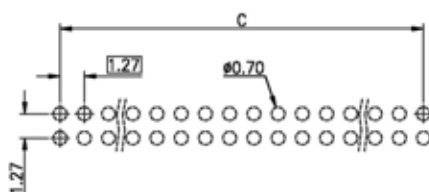
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Hi.-Temp. Plastic(UL 94V-0), Black

Terminal: Sq. 0.40mm Copper Alloy, Gold Plating

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Pin 数	A	B	C	Pin 数	A	B	C
10	9.41	6.99	5.08	56	38.62	36.20	34.29
12	10.68	8.26	6.35	58	39.89	37.47	35.56
14	11.95	9.53	7.62	60	41.16	38.74	36.83
16	13.22	10.80	8.89	62	42.43	40.01	38.10
18	14.49	12.07	10.16	64	43.70	41.28	39.37
20	15.76	13.34	11.43	66	44.97	42.55	40.64
22	17.03	14.61	12.70	68	46.24	43.82	41.91
24	18.30	15.88	13.97	70	47.51	45.09	43.18
26	19.57	17.15	15.24	72	48.78	46.36	44.45
28	20.84	18.42	16.51	74	50.05	47.63	45.72
30	22.11	19.69	17.78	76	51.32	48.90	46.99
32	23.38	20.96	19.05	78	52.59	50.17	48.26
34	24.65	22.23	20.32	80	53.86	51.44	49.53
36	25.92	23.50	21.59	82	55.13	52.71	50.80
38	27.19	24.77	22.86	84	56.40	53.98	52.07
40	28.46	26.04	24.13	86	57.67	55.25	53.34
42	29.73	27.31	25.40	88	58.94	56.52	54.61
44	31.00	28.58	26.67	90	60.21	57.79	55.88
46	32.27	29.85	27.94	92	61.48	59.06	57.15
48	33.54	31.12	29.21	94	62.75	60.33	58.42
50	34.81	32.39	30.48	96	64.02	61.60	59.69
52	36.08	33.66	31.75	98	65.29	62.87	60.96
54	37.35	34.93	33.02	100	66.56	64.14	62.23

ORDERING INFORMATION:

P/N 1 2 E 2 2 - $\frac{x \times x}{1}$ $\frac{G}{2}$ B

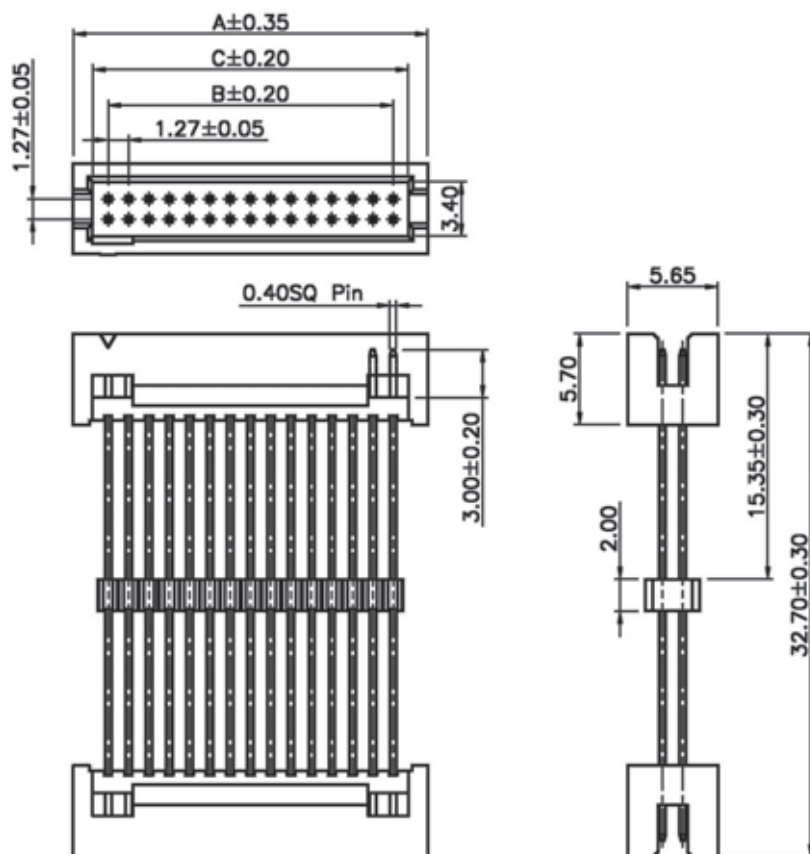
1. NO. OF CONTACTS:

010~100

2. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE ROW STACKER TYPE



$$A = B + 4.33$$

$$B = 1.27 \times (\text{NO. OF CONTACTS} / \text{ROW} - 1)$$

$$C = B + 1.91$$

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

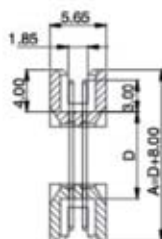
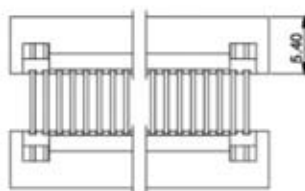
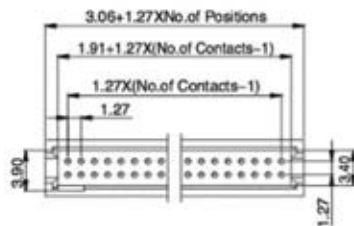
ORDERING INFORMATION:

P/N 1 2 G 4 0 - x x x x B - x

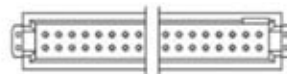
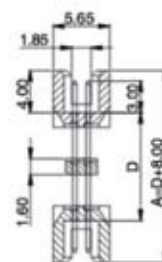
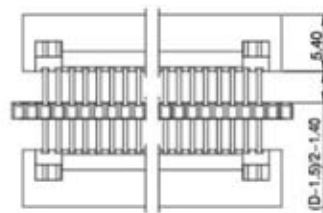
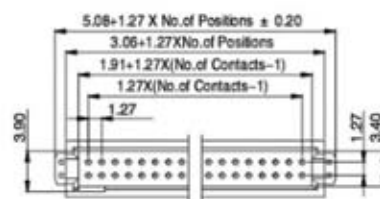
1. CONNECTOR TYPE:
"G40" BOARD STACKER TYPE
2. NO. OF CONTACTS:
010 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
4. PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE

1.27MM x 1.27MM BOX HEADER DOUBLE ROW BOARD STACKER TYPE

Type A



Type B



SPECIFICATIONS

Current Rating: 1Amp

Insulation Resistance: 500MΩ Min.

Withstanding Voltage: AC 500V

Temperature Range: -40°C to +105°C

Max. Processing Temp:

230°C For 30~60 Seconds

260°C For 10 Seconds

MATERIAL

Insulator: High Temperature

Thermoplastic UL94V-0

Contact: Copper Alloy

Plating: Au or Sn Over Nickel

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B
1 2 3 4

1. CONNECTOR TYPE:

"E34" A/D = 22.50/14.50MM (TYPE A)

"E35" A/D = 22.50/14.50MM (TYPE B)

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

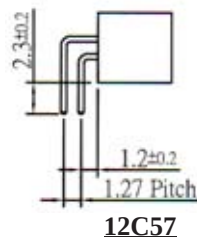
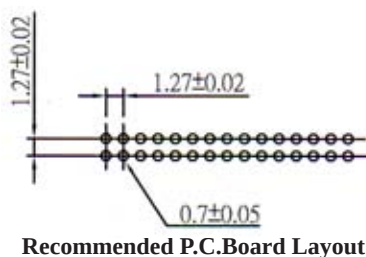
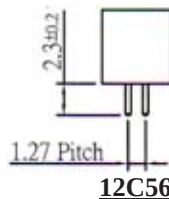
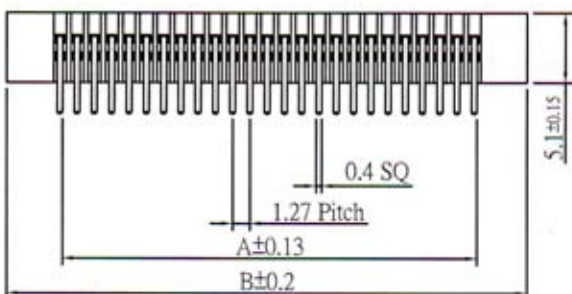
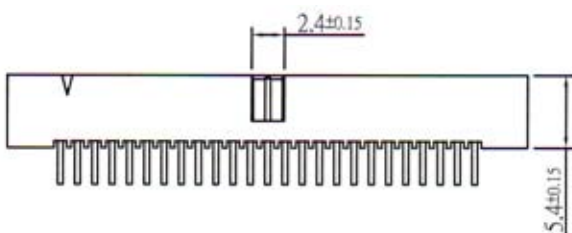
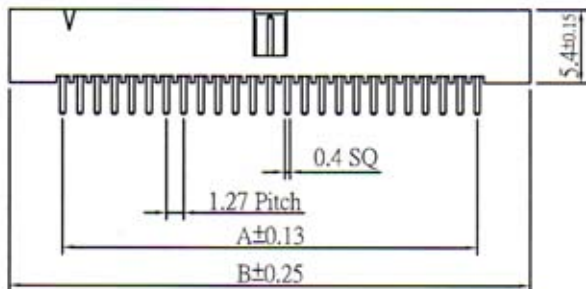
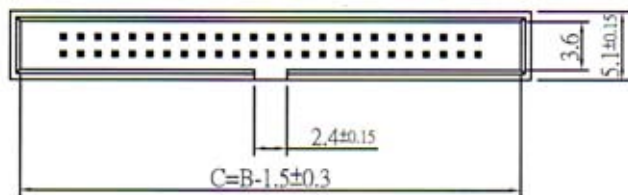
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

4. INSULATOR COLOR:

"B" BLACK

1.27MM x 1.27MM BOX HEADER DIP TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
06	2.54	10.11
10	5.08	12.65
12	6.35	13.92
14	7.62	15.19
16	8.89	16.46
20	11.43	19.00
26	15.24	22.81
30	17.78	25.35
34	20.32	27.89
40	24.13	31.70
44	26.67	34.24
50	30.48	38.05
60	36.83	44.40
64	39.37	46.94
68	41.91	49.48
80	49.53	57.10
100	62.23	68.90

ORDERING INFORMATION:

P/N 1 2 C x x - x x x x B
1 2 3

1. TERMINAL TYPE:

"C56" STRAIGHT TYPE

"C57" RIGHT ANGLE TYPE

2. NO. OF CONTACTS:

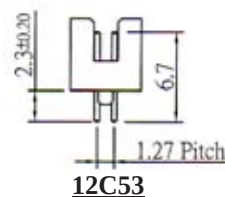
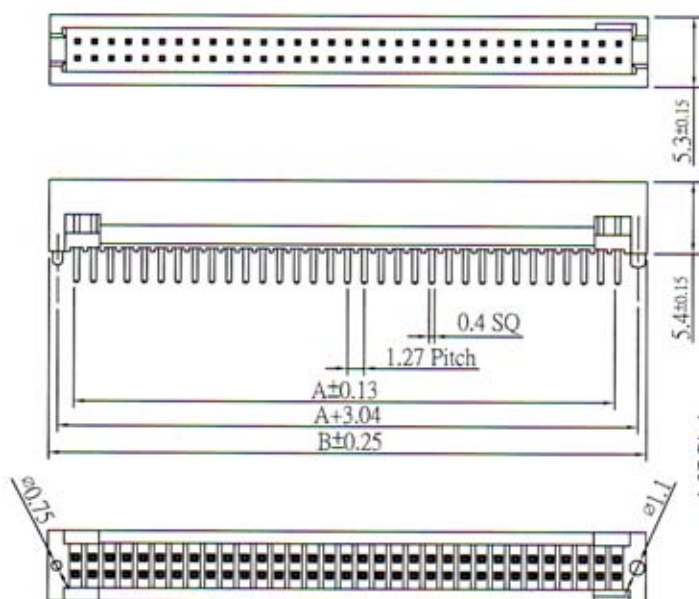
006, 010, 012, 014, 016, 020, 026, 030,
034, 040, 044, 050, 060, 064, 068, 080,
100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

NOTE: MATES WITH 12D07 IDC SOCKET

1.27MM x 1.27MM BOX HEADER DOUBLE WALL DIP TYPE



12C53

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to +105°C

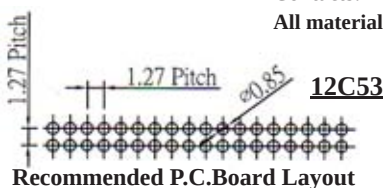
MATERIALS

Insulator: Thermoplastic, UL94V-0

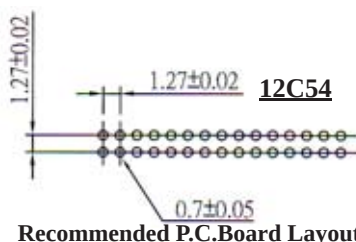
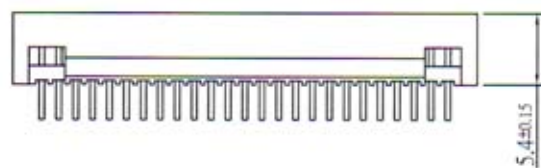
Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



Recommended P.C. Board Layout



Recommended P.C. Board Layout

12C54

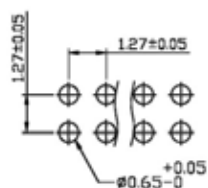
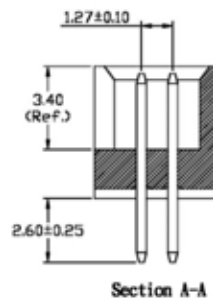
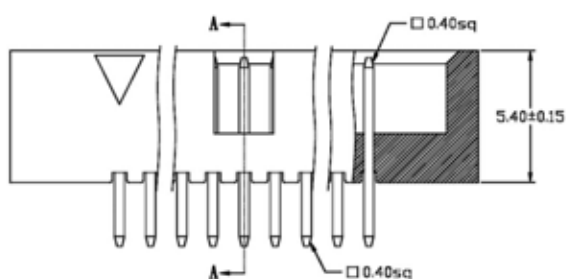
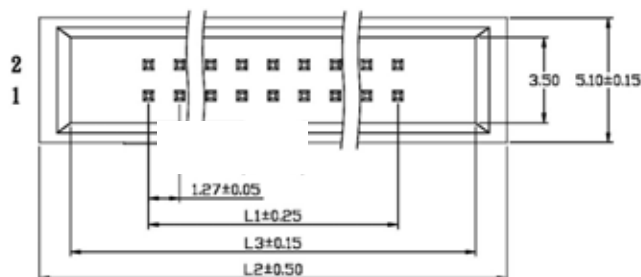
No. of Contacts	Dimensions(mm)	
	A	B
06	2.54	6.80
10	5.08	9.34
12	6.35	10.61
14	7.62	11.88
16	8.89	13.15
20	11.43	15.69
26	15.24	19.50
30	17.78	22.04
34	20.32	24.58
40	24.13	28.39
44	26.67	30.93
50	30.48	37.74
60	36.83	41.09
64	39.37	43.63
66	40.64	44.90
68	41.91	46.17
80	49.53	53.79
100	62.23	66.49

ORDERING INFORMATION:

P/N 1 2 C x x - x x x x B - x

- EXTERIOR TYPE:
"C53" STRAIGHT TYPE
"C54" RIGHT ANGLE TYPE
- NO. OF CONTACTS:
006, 010, 012, 014, 016, 020, 026, 030,
034, 040, 044, 050, 060, 064, 066, 068,
080, 100
- CONTACT FINISH:
"G" FULL GOLD PLATED
- PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.27MM x 1.27MM BOX HEADER DIP TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 125°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

P/N 1 2 C x x - x x x x B
1 2 3

1. EXTERIOR TYPE:

"C47" STRAIGHT TYPE

2. NO. OF CONTACTS:

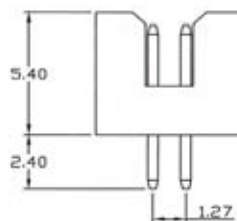
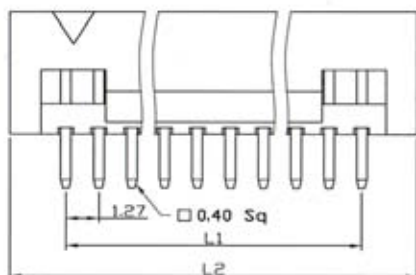
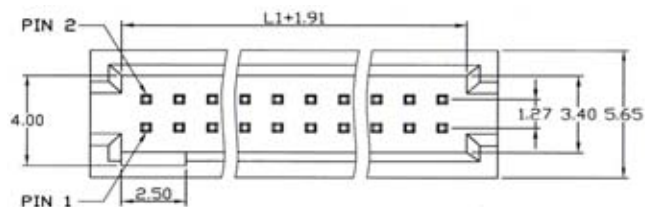
006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

3. CONTACT FINISH:

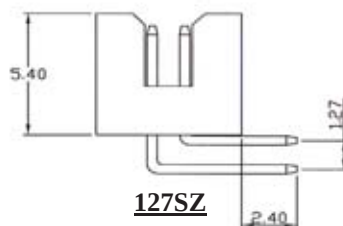
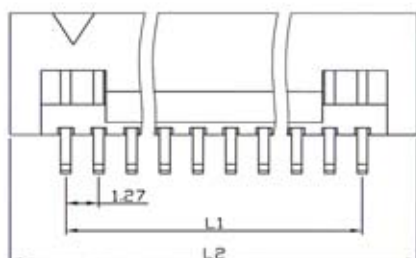
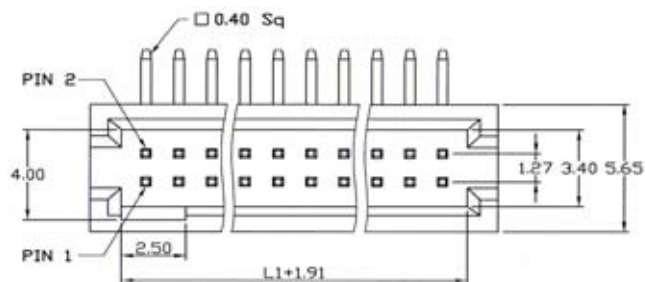
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE WALL DIP TYPE



127QY



127SZ

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

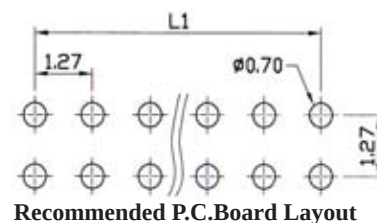
Contacts: Brass

All materials must be RoHS compliant.

DIMENSIONS:

L1 = 1.27 x (No. of Contacts/Row - 1)

L2 = 1.27 x No. of Contacts/Row + 3.06



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{T}{4}$

1. CONNECTOR TYPE:

"QY" STRAIGHT TYPE

"SZ" RIGHT ANGLE TYPE

2. NO. OF CONTACTS:

006 ~ 100

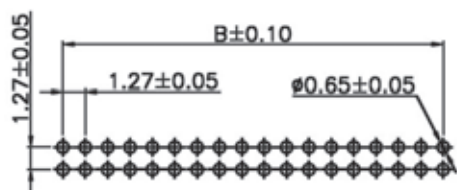
3. CONTACT FINISH:

"G" FULL GOLD PLATED

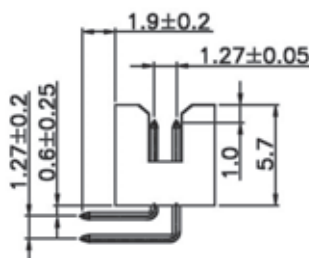
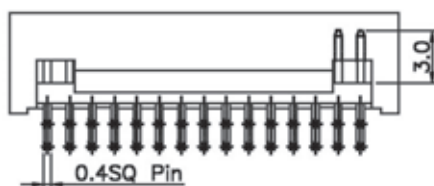
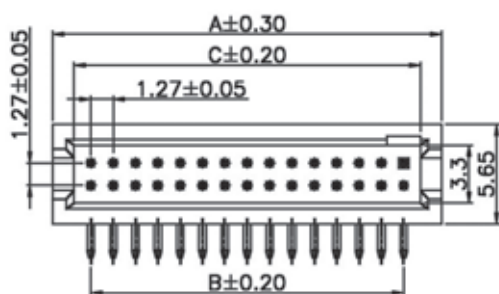
4. PACKAGE TYPE:

"T" W/O PAD IN TUBE

1.27MM x 1.27MM BOX HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)		
	A	B	C
10	9.41	5.08	6.99
12	10.68	6.35	8.26
14	11.95	7.62	9.53
16	13.22	8.89	10.80
18	14.49	10.16	12.07
20	15.76	11.43	13.34
22	17.03	12.70	14.61
24	18.30	13.97	15.88
26	19.57	15.24	17.15
28	20.84	16.51	18.42
30	22.11	17.78	19.69
32	23.38	19.05	20.96
34	24.65	20.32	22.23
36	25.92	21.59	23.50
38	27.19	22.86	24.77
40	28.46	24.13	26.04
42	29.73	25.40	27.31
44	31.00	26.67	28.58
46	32.27	27.94	29.85
48	33.54	29.21	31.12
50	34.81	30.48	32.39
60	41.16	36.83	38.74
64	43.70	39.37	41.28
68	46.24	41.91	43.82
80	53.86	49.53	51.44
90	60.21	55.88	57.79
100	66.56	62.23	64.14

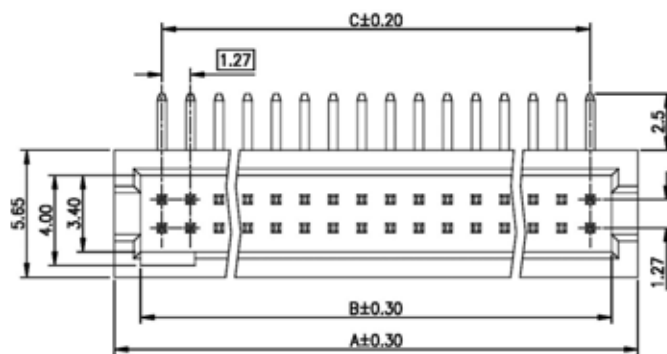
ORDERING INFORMATION:

P/N 1 2 G 3 8 - x x x x B - x

- HOUSING LENGTH:
"G38" RIGHT ANGLE TYPE
- NO. OF CONTACTS:
010 ~ 100
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
- PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"F" WITH FILM IN TUBE

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM BOX HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE H = 5.65MM



SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

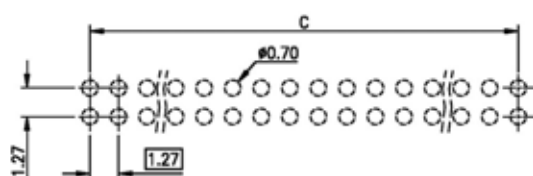
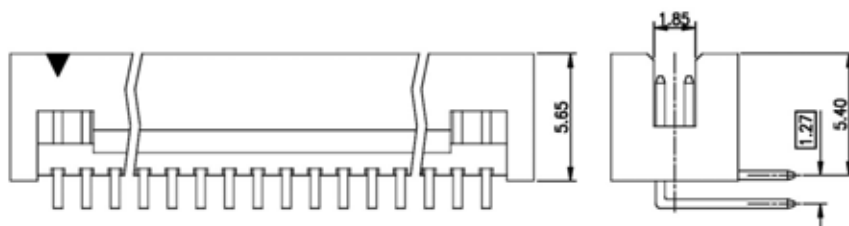
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Thermoplastic (UL 94V-0), Black

Terminal: Sq. 0.40mm Copper Alloy, Gold Plating

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Pin 数	A	B	C	Pin 数	A	B	C
10	9.41	6.99	5.08	56	38.62	36.20	34.29
12	10.68	8.26	6.35	58	39.89	37.47	35.56
14	11.95	9.53	7.62	60	41.16	38.74	36.83
16	13.22	10.80	8.89	62	42.43	40.01	38.10
18	14.49	12.07	10.16	64	43.70	41.28	39.37
20	15.76	13.34	11.43	66	44.97	42.55	40.64
22	17.03	14.61	12.70	68	46.24	43.82	41.91
24	18.30	15.88	13.97	70	47.51	45.09	43.18
26	19.57	17.15	15.24	72	48.78	46.36	44.45
28	20.84	18.42	16.51	74	50.05	47.63	45.72
30	22.11	19.69	17.78	76	51.32	48.90	46.99
32	23.38	20.96	19.05	78	52.59	50.17	48.26
34	24.65	22.23	20.32	80	53.86	51.44	49.53
36	25.92	23.50	21.59	82	55.13	52.71	50.80
38	27.19	24.77	22.86	84	56.40	53.98	52.07
40	28.46	26.04	24.13	86	57.67	55.25	53.34
42	29.73	27.31	25.40	88	58.94	56.52	54.61
44	31.00	28.58	26.67	90	60.21	57.79	55.88
46	32.27	29.85	27.94	92	61.48	59.06	57.15
48	33.54	31.12	29.21	94	62.75	60.33	58.42
50	34.81	32.39	30.48	96	64.02	61.60	59.69
52	36.08	33.66	31.75	98	65.29	62.87	60.96
54	37.35	34.93	33.02	100	66.56	64.14	62.23

ORDERING INFORMATION:

P/N 1 2 E 2 3 - $\frac{xxx}{1}$ $\frac{G}{2}$ B

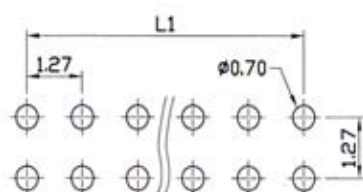
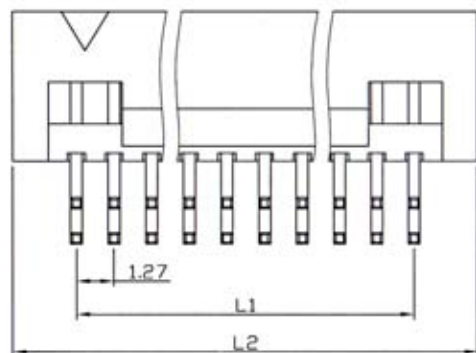
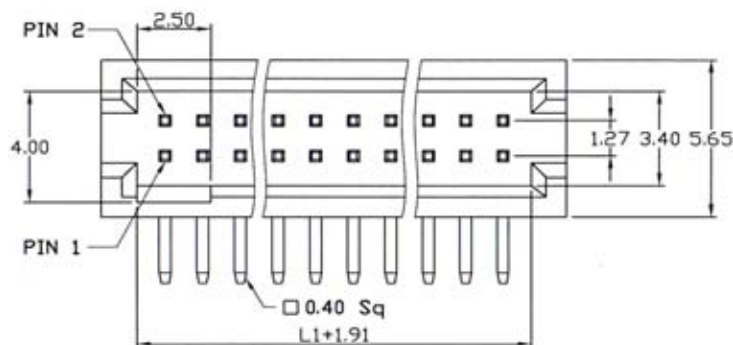
1. NO. OF CONTACTS:

010~100

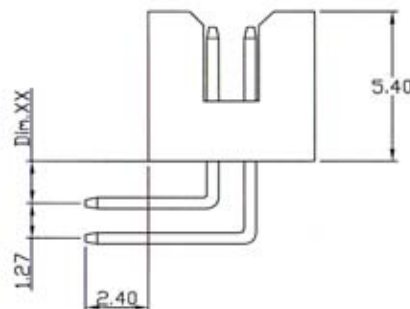
2. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE WALL RIGHT ANGLE TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

DIMENSIONS:

$L1 = 1.27 \times (\text{No. of Contacts/Row} - 1)$

$L2 = 1.27 \times \text{No. of Contacts/Row} + 3.06$

ORDERING INFORMATION:

CODE: 1 4 2 2 D 6 - $\frac{XX}{1} - \frac{xxx}{2} \frac{x}{3} B$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{xx}{YY} \frac{xx}{MM} \frac{xx}{DD} x - \frac{xxx}{2} \frac{x}{3} B$

1. DIMENSION XX (UNIT: mm)

2. NO. OF CONTACTS:

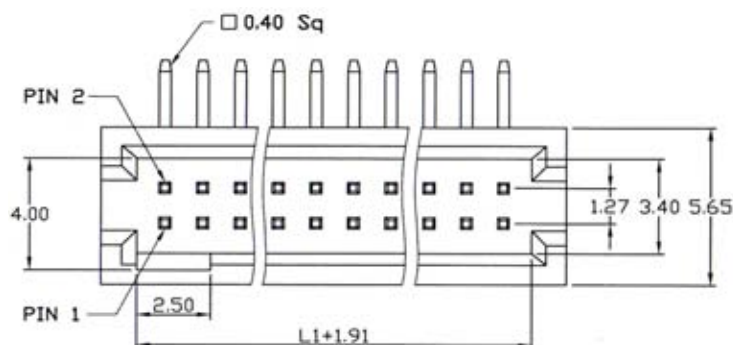
010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE WALL RIGHT ANGLE TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

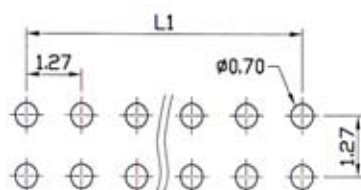
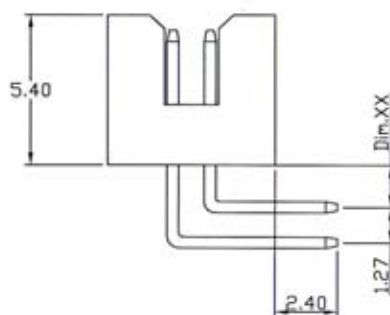
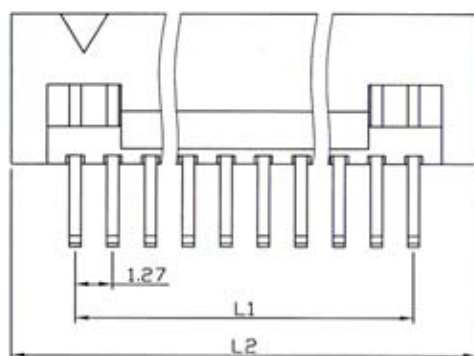
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



Recommended P.C.Board Layout

DIMENSIONS:

L1 = 1.27 x (No. of Contacts/Row-1)

L2 = 1.27 x No. of Contacts/Row+3.06

ORDERING INFORMATION:

CODE: 1 4 2 2 R 6 - $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{XX}{YY}$ $\frac{XX}{MM}$ $\frac{XX}{DD}$ X - $\frac{XXX}{2}$ $\frac{X}{3}$ B

1. DIMENSION XX (UNIT: mm)

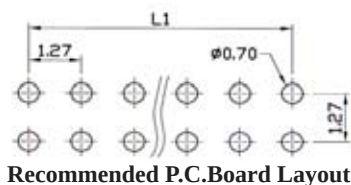
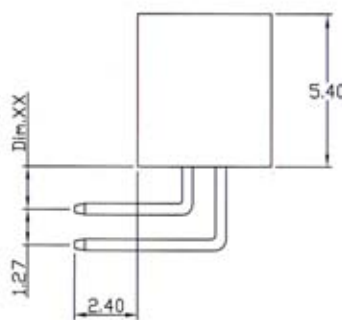
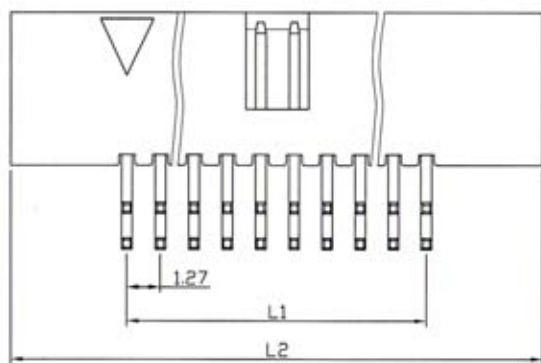
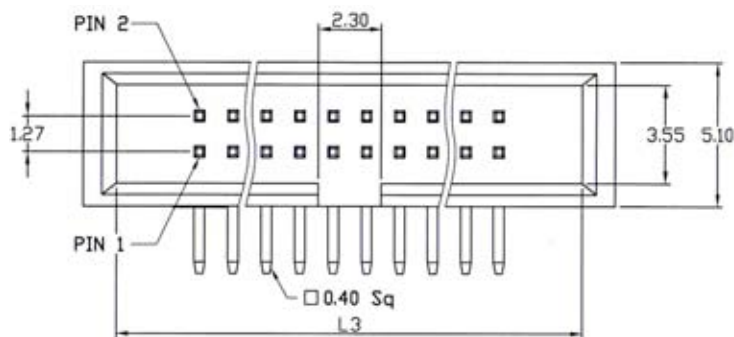
2. NO. OF CONTACTS:
010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER RIGHT ANGLE TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

LCP or Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

CODE: 1 4 3 2 D 6 - $\frac{XX}{1}$ - $\frac{XXXX}{2}$ $\frac{X}{3}$ B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{XXXXXX}{YY MM DD}$ - $\frac{XXXX}{2}$ $\frac{X}{3}$ B

1. DIMENSION XX (UNIT: mm)

2. NO. OF CONTACTS:

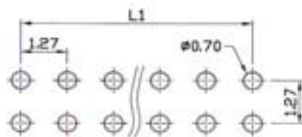
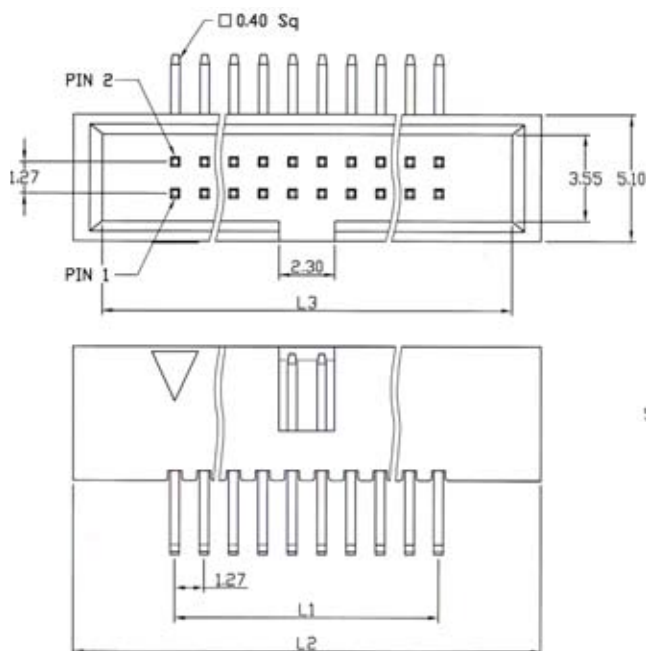
006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER RIGHT ANGLE TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

LCP or Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

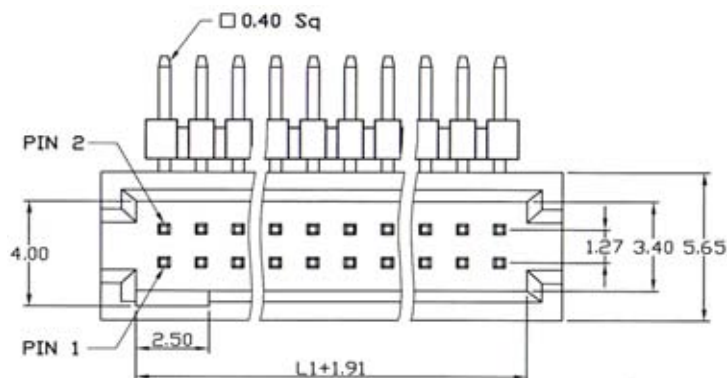
CODE: 1 4 3 2 R 6 - $\frac{XX}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{xx}{YY}$ $\frac{xxx}{MM}$ $\frac{xx}{DD}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B

1. DIMENSION XX (UNIT: mm)
2. NO. OF CONTACTS:
006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE WALL RIGHT ANGLE TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

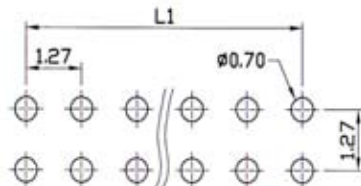
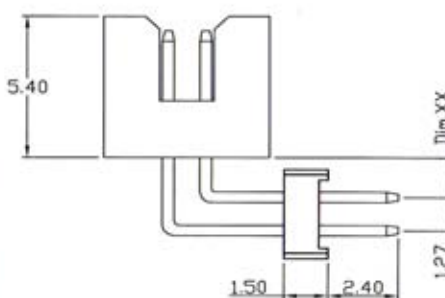
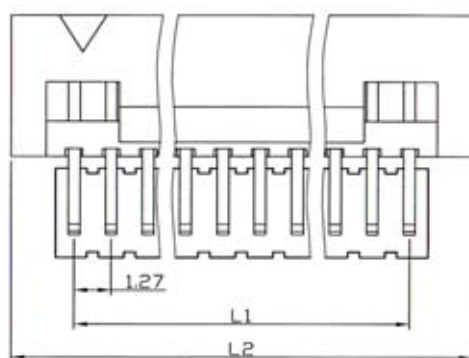
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



Recommended P.C.Board Layout

DIMENSIONS:

L1 = 1.27 x (No. of Contacts/Row-1)

L2 = 1.27 x No. of Contacts/Row+3.06

ORDERING INFORMATION:

CODE: 1 4 2 2 L 1 - $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{XX}{YY}$ $\frac{XX}{MM}$ $\frac{XX}{DD}$ X - $\frac{XXX}{2}$ $\frac{X}{3}$ B

1. DIMENSION XX (UNIT: mm)

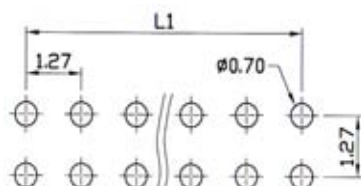
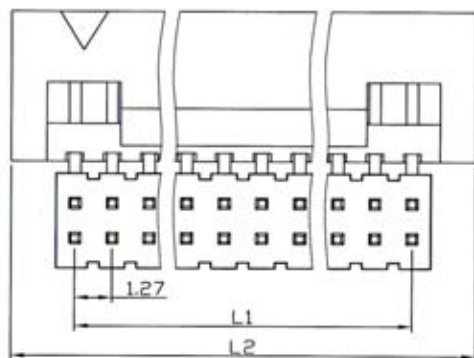
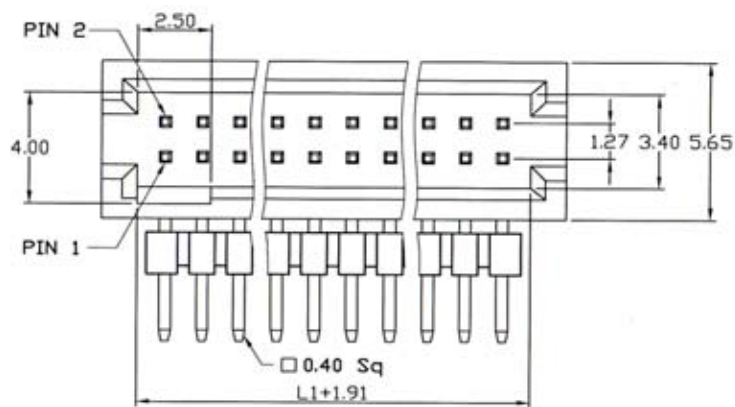
2. NO. OF CONTACTS:
010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE WALL RIGHT ANGLE TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

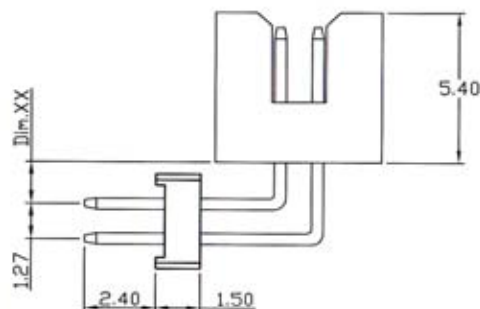
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



DIMENSIONS:

L1 = 1.27 x (No. of Contacts/Row-1)

L2 = 1.27 x No. of Contacts/Row+3.06

ORDERING INFORMATION:

CODE: 1 4 2 2 L 2 - $\frac{XX}{1}$ - $\frac{xxx}{2}$ $\frac{xx}{3}$ B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{xx}{YY}$ $\frac{xx}{MM}$ $\frac{xx}{DD}$ - $\frac{xxx}{2}$ $\frac{xx}{3}$ B

1. DIMENSION XX (UNIT: mm)

2. NO. OF CONTACTS:

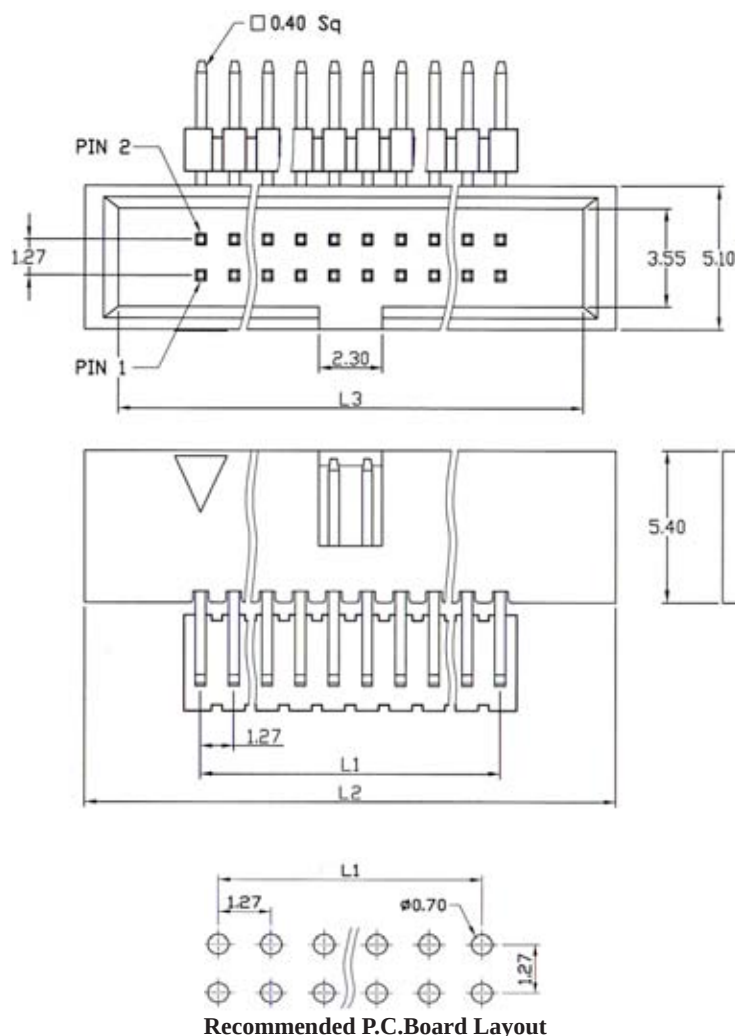
010 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER RIGHT ANGLE TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

LCP or Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

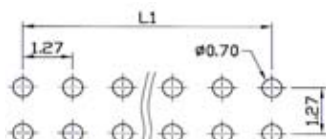
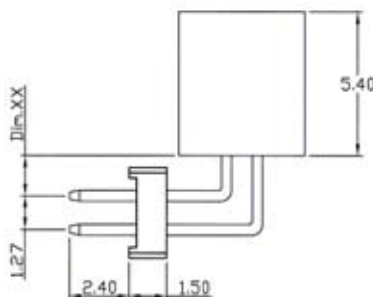
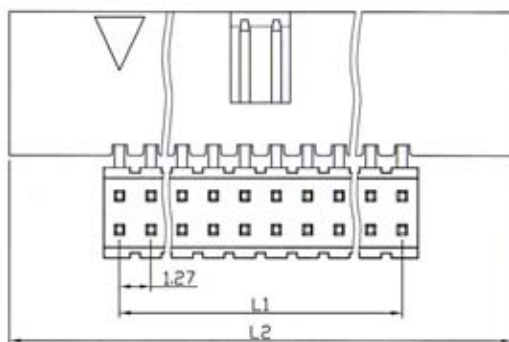
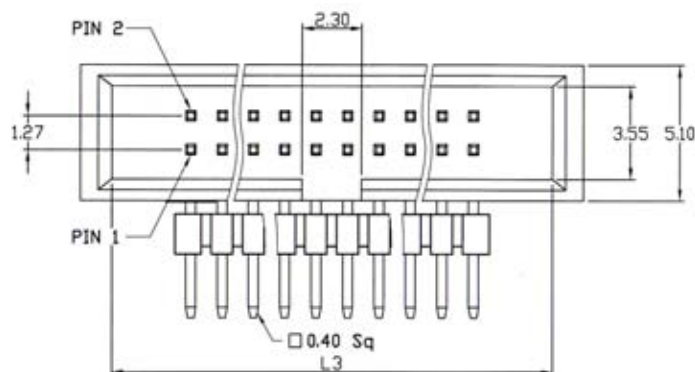
CODE: 1 4 3 2 L 1 - $\frac{XX}{1}$ - $\frac{XXXX}{2}$ $\frac{3}{3}$ B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{XXXXXX}{YY MM DD}$ - $\frac{XXXX}{2}$ $\frac{3}{3}$ B

1. DIMENSION XX (UNIT: mm)
2. NO. OF CONTACTS:
006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER RIGHT ANGLE TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

LCP or Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

CODE: 1 4 3 2 L 2 - $\frac{XX}{1}$ - $\frac{XXXX}{2}$ $\frac{3}{3}$ B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{XXXXXX}{YY MM DD}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B

1. DIMENSION XX (UNIT: mm)

2. NO. OF CONTACTS:

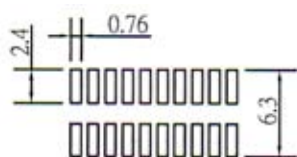
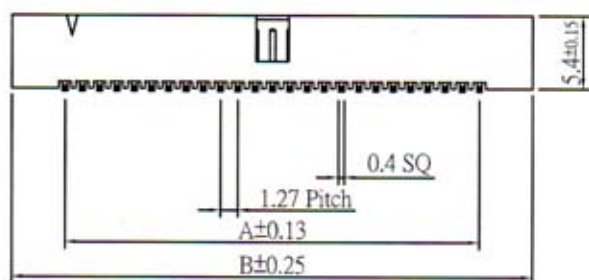
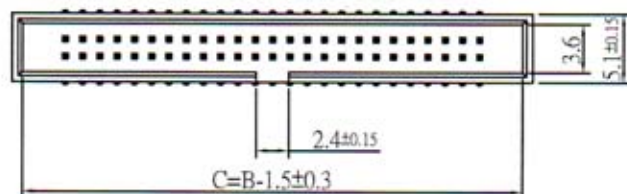
006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

3. CONTACT FINISH:

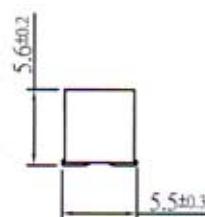
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
06	2.54	10.11
10	5.08	12.65
12	6.35	13.92
14	7.62	15.19
16	8.89	16.46
20	11.43	19.00
26	15.24	22.81
30	17.78	25.35
34	20.32	27.89
40	24.13	31.70
44	26.67	34.24
50	30.48	38.05
60	36.83	44.40
64	39.37	46.94
68	41.91	49.48
80	49.53	57.10
100	62.23	68.90

ORDERING INFORMATION:

P/N 1 2 C 5 8 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} B - \frac{x}{3}$

1. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 026, 030,
034, 040, 044, 050, 060, 064, 068, 080,
100

2. CONTACT FINISH:

"G" FULL GOLD PLATED

3. PACKAGE OPTION:

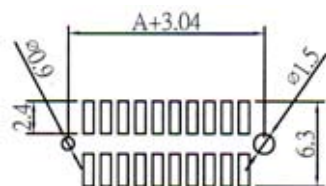
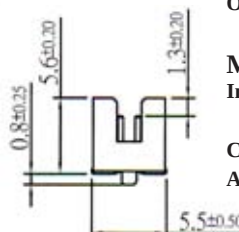
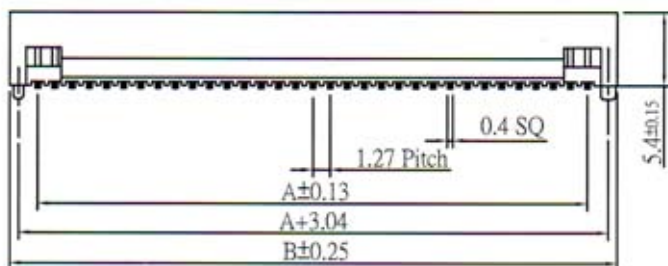
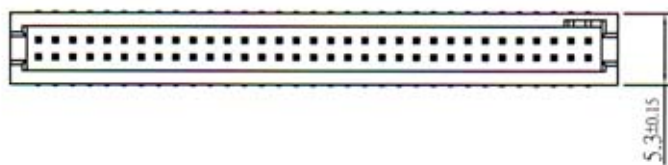
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: MATES WITH 12D07 IDC SOCKET

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
06	2.54	6.80
10	5.08	9.34
12	6.35	10.61
14	7.62	11.88
16	8.89	13.15
20	11.43	15.69
26	15.24	19.50
30	17.78	22.04
34	20.32	24.58
40	24.13	28.39
44	26.67	30.93
50	30.48	37.74
60	36.83	41.09
64	39.37	43.63
66	40.64	44.90
68	41.91	46.17
80	49.53	53.79
100	62.23	66.49

ORDERING INFORMATION:

P/N 1 2 C 5 5 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} B - \frac{x}{3}$

1. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 026, 030, 034, 040, 044, 050, 060, 064, 066, 068, 080, 100

2. CONTACT FINISH:

"G" FULL GOLD PLATED

3. PAD & PACKAGE OPTION:

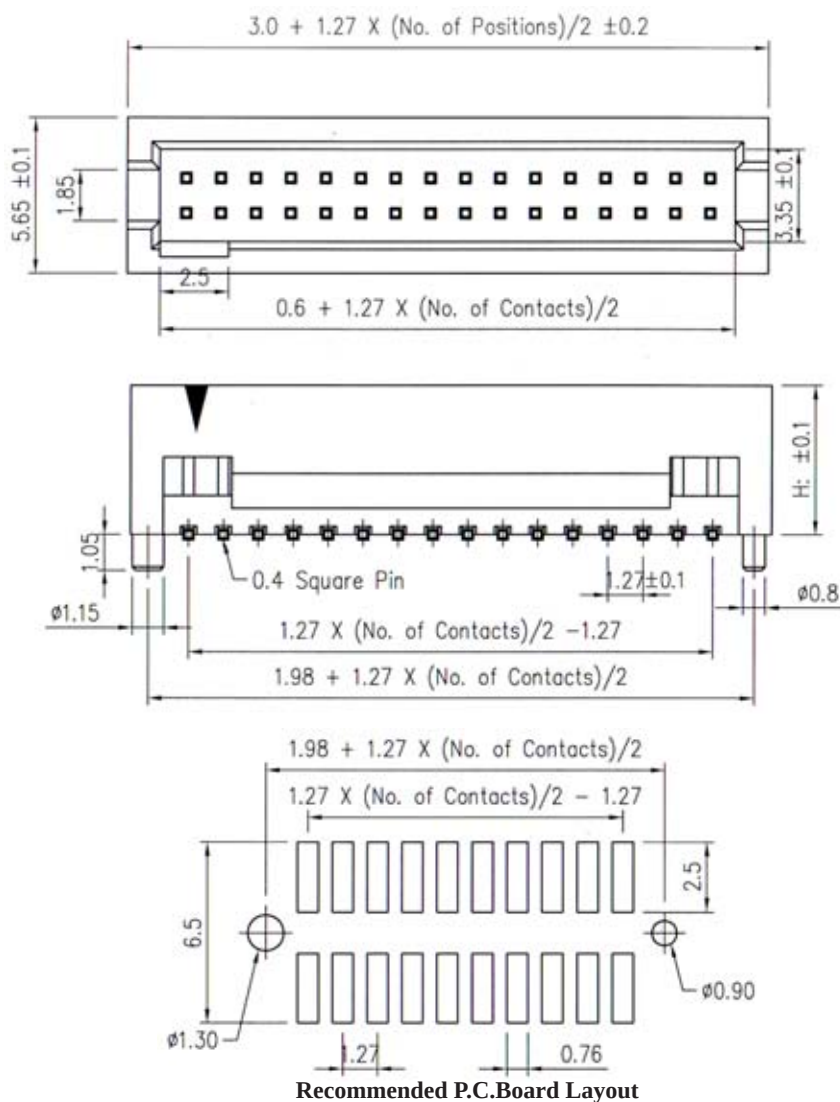
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SMT TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

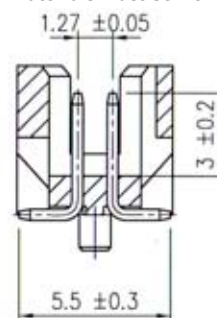
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. PLASTIC HEIGHT & LOCATING PEG OPTION:

"WN" H= 5.40MM W/O LOCATING PEG

"QZ" H= 5.40MM WITH LOCATING PEG

"MX" H= 5.65MM W/O LOCATING PEG

"MY" H= 5.65MM WITH LOCATING PEG

2. NO. OF CONTACTS:

006 ~ 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

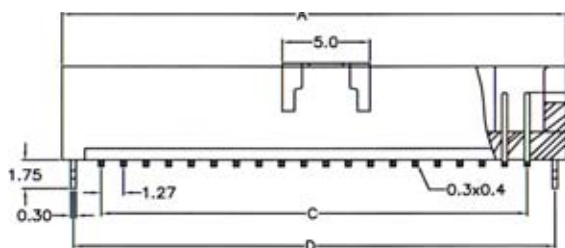
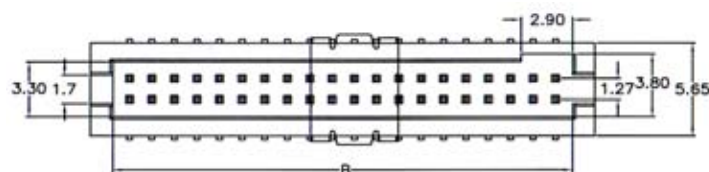
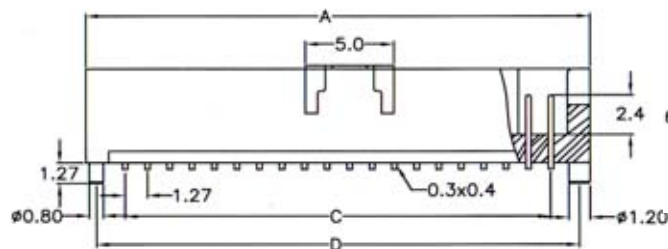
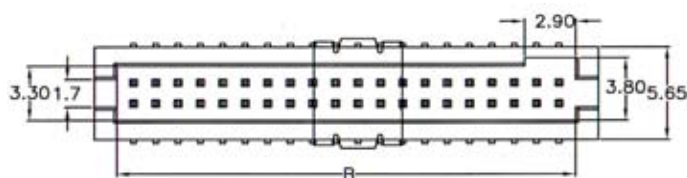
"T" WITHOUT PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SMT TYPE



12B91/12B92

12B93

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -65°C to + 125°C

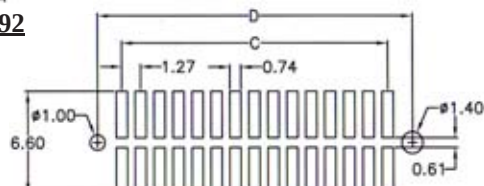
MATERIALS

Insulator: Thermoplastic, UL94V-0

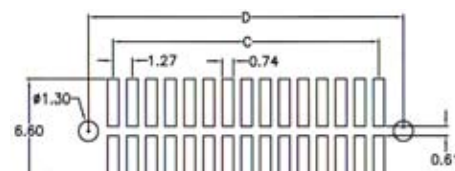
Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



Recommended P.C.Board Layout 12B91/12B92



Recommended P.C.Board Layout 12B93

DIMENSIONS:

A = 1.27 x No. of Contacts/2 + 3.18

B = 1.27 x No. of Contacts/2 + 0.64

C = 1.27 x No. of Contacts/2 - 1.27

D = 1.27 x No. of Contacts/2 + 1.91

ORDERING INFORMATION:

P/N 1 2 B x x - x x x x B - x
1 2 3 4

1. CONNECTOR TYPE:

"B91" W/O LOCATING PEG
"B92" WITH LOCATING PEG
"B93" WITH BOARD LOCK

2. NO. OF CONTACTS:

010 ~ 100

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)
"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM*1.27MM BOX HEADER DOUBLE ROW SMT TYPE H = 5.65MM

SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

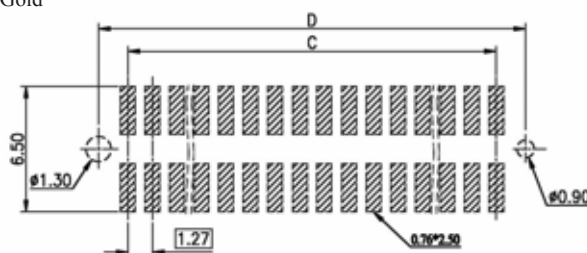
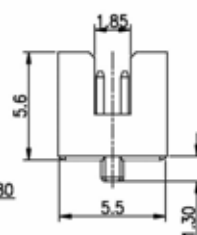
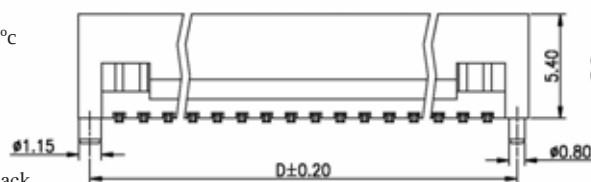
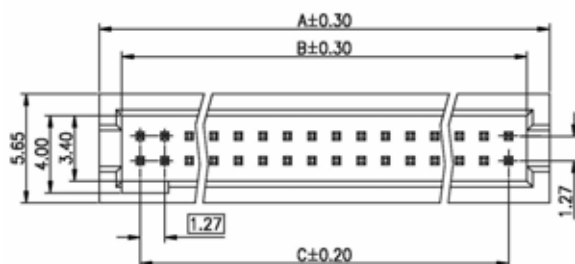
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Thermoplastic (UL 94V-0), Black

Terminal: Sq. 0.40mm Copper Alloy, Gold Plating

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Pin 脚	A	B	C	D	Pin 脚	A	B	C	D
10	9.41	6.99	5.08	8.12	56	38.62	36.20	34.29	37.33
12	10.68	8.26	6.35	9.39	58	39.89	37.47	35.56	38.60
14	11.95	9.53	7.62	10.66	60	41.16	38.74	36.83	39.87
16	13.22	10.80	8.89	11.93	62	42.43	40.01	38.10	41.14
18	14.49	12.07	10.16	13.20	64	43.70	41.28	39.37	42.41
20	15.76	13.34	11.43	14.47	66	44.97	42.55	40.64	43.68
22	17.03	14.61	12.70	15.74	68	46.24	43.82	41.91	44.95
24	18.30	15.88	13.97	17.01	70	47.51	45.09	43.18	46.22
26	19.57	17.15	15.24	18.28	72	48.78	46.36	44.45	47.49
28	20.84	18.42	16.51	19.55	74	50.05	47.63	45.72	48.76
30	22.11	19.69	17.78	20.82	76	51.32	48.90	46.99	50.03
32	23.38	20.96	19.05	22.09	78	52.59	50.17	48.26	51.30
34	24.65	22.23	20.32	23.36	80	53.86	51.44	49.53	52.57
36	25.92	23.50	21.59	24.63	82	55.13	52.71	50.80	53.84
38	27.19	24.77	22.86	25.90	84	56.40	53.98	52.07	55.11
40	28.46	26.04	24.13	27.17	86	57.67	55.25	53.34	56.38
42	29.73	27.31	25.40	28.44	88	58.94	56.52	54.61	57.65
44	31.00	28.58	26.67	29.71	90	60.21	57.79	55.88	58.92
46	32.27	29.85	27.94	30.98	92	61.48	59.06	57.15	60.19
48	33.54	31.12	29.21	32.25	94	62.75	60.33	58.42	61.46
50	34.81	32.39	30.48	33.52	96	64.02	61.60	59.69	62.73
52	36.08	33.66	31.75	34.79	98	65.29	62.87	60.96	64.00
54	37.35	34.93	33.02	36.06	100	66.56	64.14	62.23	65.27

ORDERING INFORMATION:

P/N 1 2 E 1 8 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{G}{B} - \frac{x}{3}$

1. NO. OF CONTACTS:

010~100

2. CONTACT FINISH:

"G" FULL GOLD PLATED

3. PAD & PACKAGE OPTION:

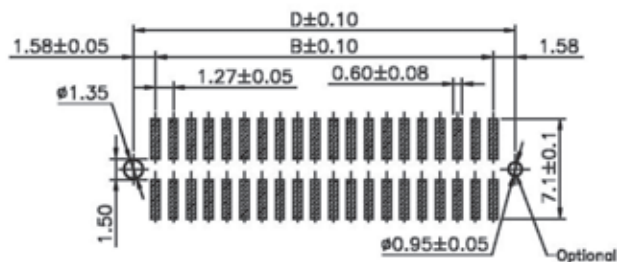
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

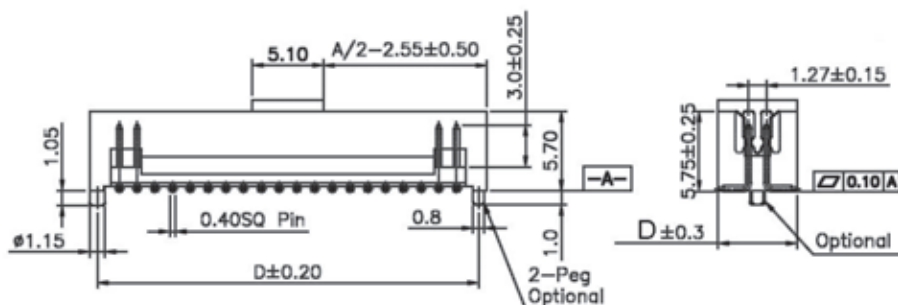
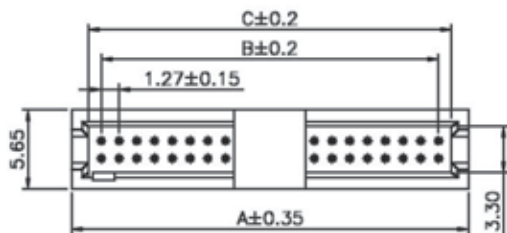
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE ROW SMT TYPE



Recommended P.C.Board Layout



$$A = B + 4.33$$

$$B = 1.27 \times (\text{NO. OF CONTACTS} / \text{ROW} - 1)$$

$$C = B + 1.91$$

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -25°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

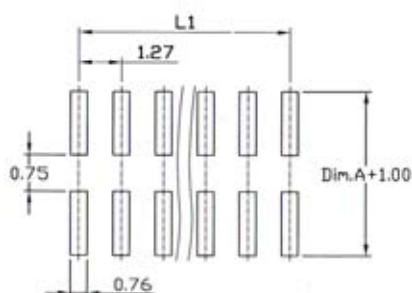
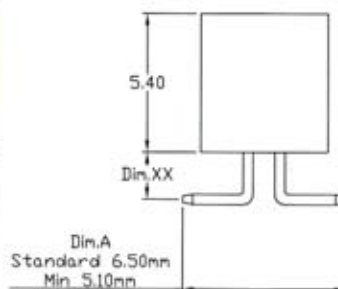
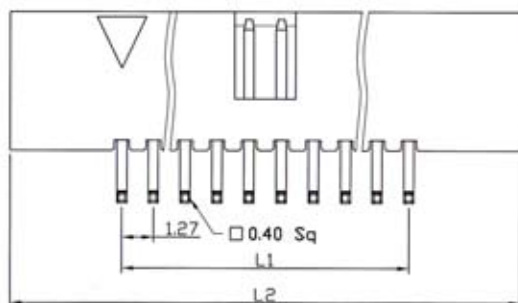
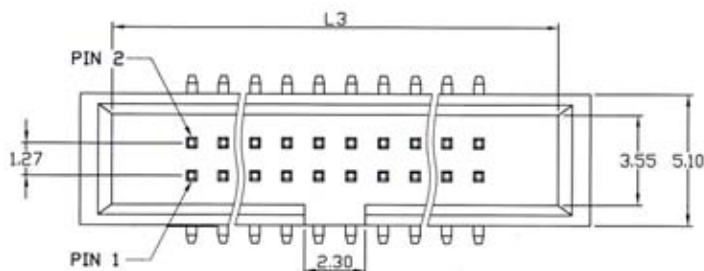
P/N 1 2 xxx - xxx x B - x
1 2 3 4

1. CONNECTOR TYPE:
G43, G44, G45, G46, G47, G48
2. NO. OF CONTACTS:
010 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
4. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

PIN LENGTH D	W/O PEG	WITH PEG
5.65MM	12G43	12G44
6.30MM	12G45	12G46
7.20MM	12G47	12G48

1.27MM x 1.27MM BOX HEADER SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.33	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

CODE: 1 4 3 2 T 1 - XX - XXXX B - X
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P XXXXXX - XXXX B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T1" DIM. A= 6.50mm

2. DIMENSION XX (UNIT: mm)

3. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

5. PAD & PACKAGE OPTION:

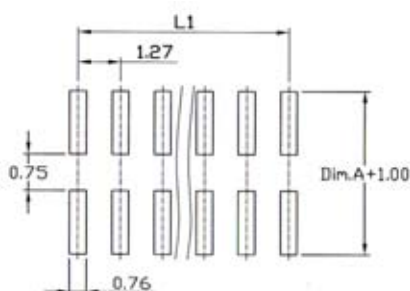
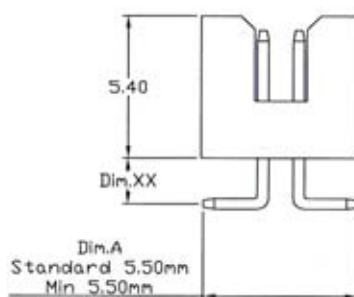
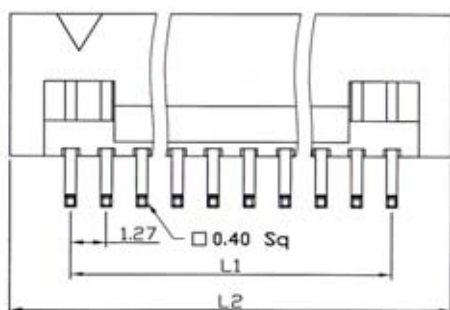
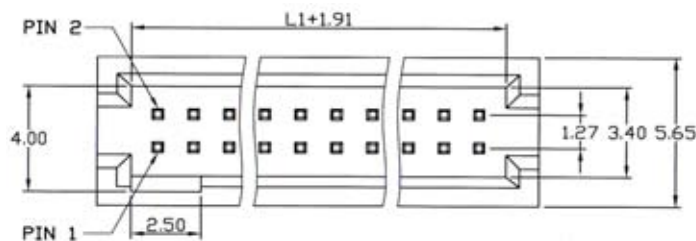
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

DIMENSIONS:

$L1 = 1.27 \times (\text{No. of Contacts/Row} - 1)$

$L2 = 1.27 \times \text{No. of Contacts/Row} + 3.06$

ORDERING INFORMATION:

CODE: 1 4 2 2 T 1 - $\frac{XX}{2}$ - $\frac{XXX}{3}$ $\frac{X}{4}$ B - $\frac{X}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{XX}{YY}$ $\frac{XXX}{MM}$ $\frac{XXX}{DD}$ - $\frac{XXX}{3}$ $\frac{X}{4}$ B

1. EXTERIOR CODE:

"2T1" DIM. A = 5.50mm

2. DIMENSION XX (UNIT: mm)

3. NO. OF CONTACTS:

010 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

5. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

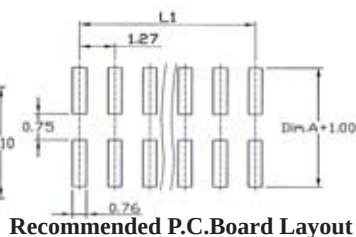
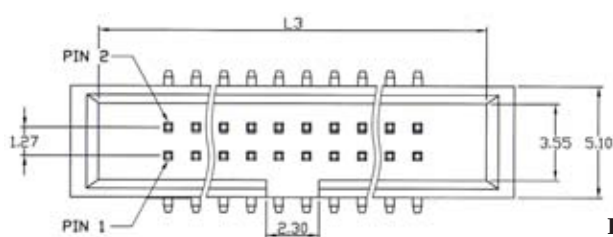
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

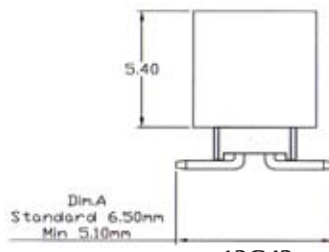
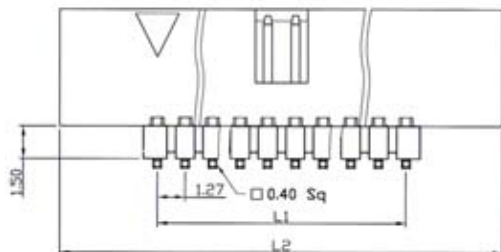
"0" BULK PACKAGE

NOTE: PAD = PICK & PLACE PAD

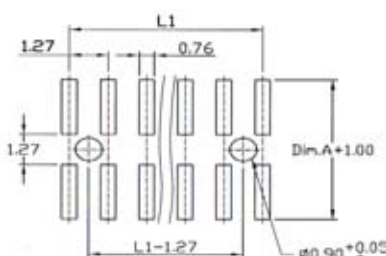
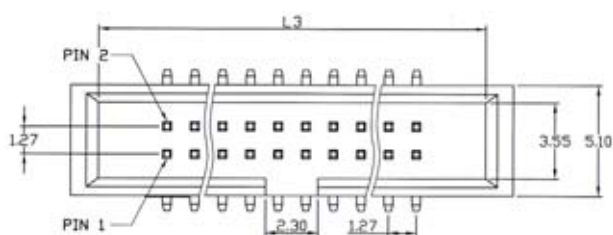
1.27MM x 1.27MM BOX HEADER SMT TYPE



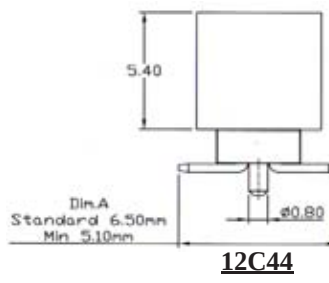
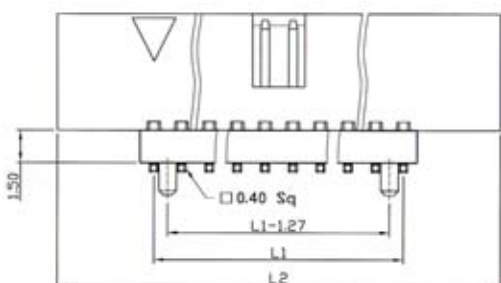
Recommended P.C.Board Layout



12C43



Recommended P.C.Board Layout



12C44

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

P/N 1 2 C x x - x x x x B - x 4

1. PIN DIMENSION A:

"C43" A = 6.50MM W/O LOCATING PEG

"C44" A = 6.50MM WITH LOCATING PEG

2. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

4. PAD & PACKAGE OPTION:

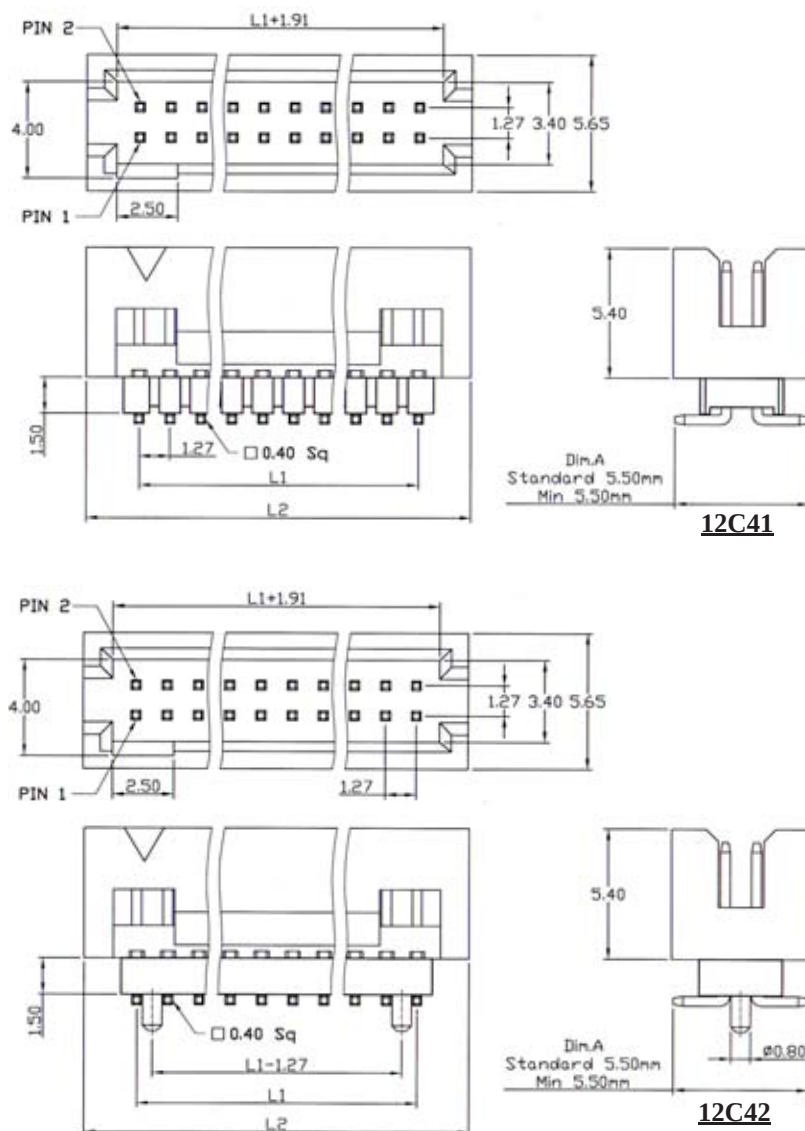
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SMT TYPE

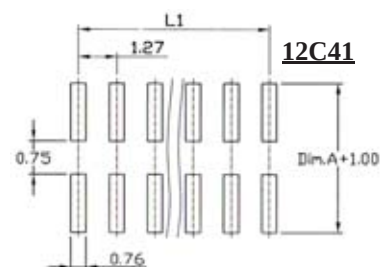


SPECIFICATIONS

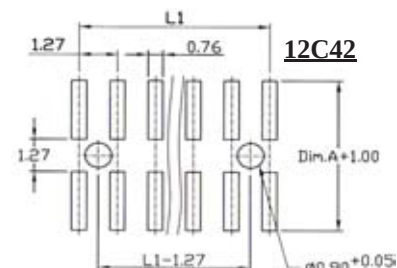
Current Rating: 1.0 Amp
Dielectric Withstand: 500V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 Nylon-6T or LCP
Contacts: Brass
All materials must be RoHS compliant.



Recommended P.C.Board Layout



Recommended P.C.Board Layout

DIMENSIONS:
 $L1 = 1.27 \times (\text{No. of Contacts/Row}-1)$
 $L2 = 1.27 \times \text{No. of Contacts/Row} + 3.06$

ORDERING INFORMATION:

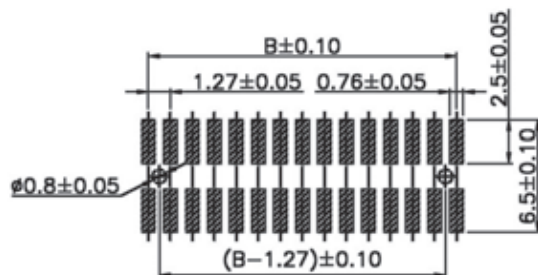
P/N 1 2 C x x - x x x x B - x
 1 2 3 4

- PIN DIMENSION A:
 "C41" A= 5.50MM W/O LOCATING PEG
 "C42" A= 5.50MM WITH LOCATING PEG
- NO. OF CONTACTS:
 010 ~ 100
- CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED

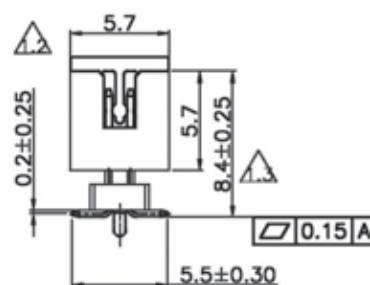
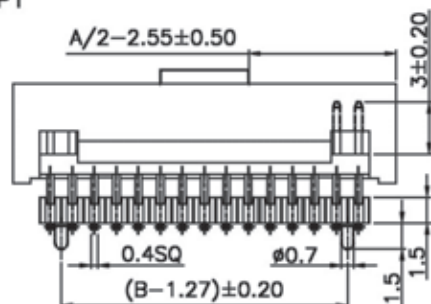
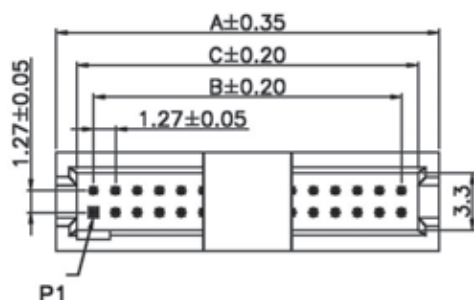
- PAD & PACKAGE OPTION:
 "T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE ROW SMT TYPE



Recommended P.C.Board Layout



$$A = B + 4.33$$

$$B = 1.27 \times (\text{NO. OF CONTACTS} / \text{ROW} - 1)$$

$$C = B + 1.91$$

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 500MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

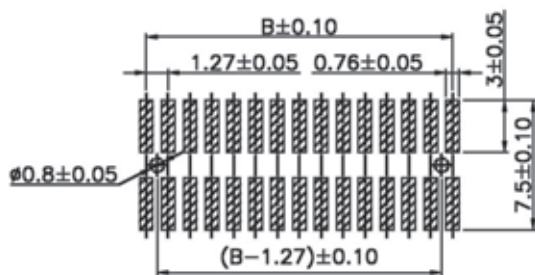
ORDERING INFORMATION:

P/N 1 2 XXX - XXX X B - X
1 2 3 4

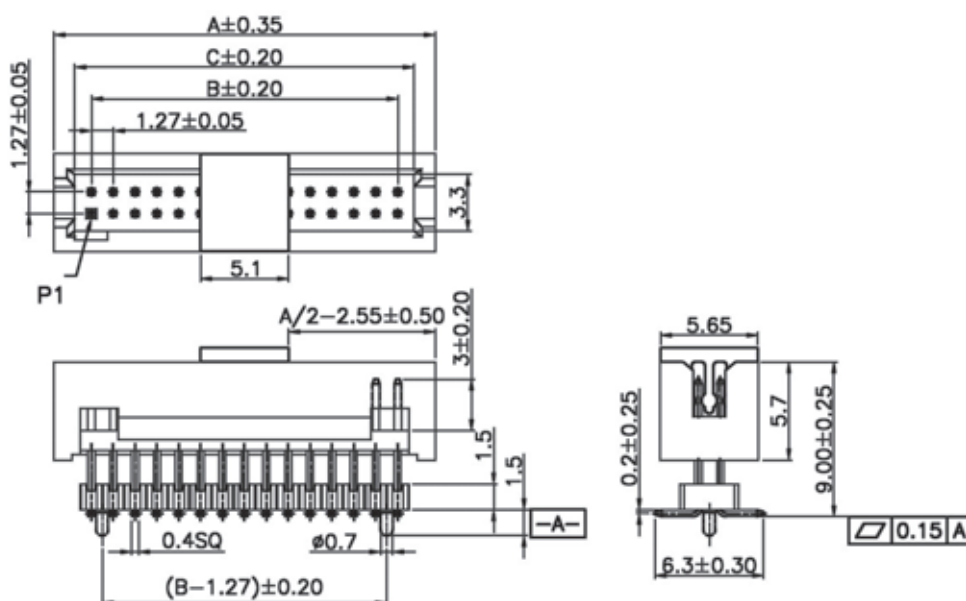
1. LOCATING PEG OPTION:
"G49" WITHOUT LOCATING PEGS
"G50" WITH LOCATING PEGS
2. NO. OF CONTACTS:
010 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
4. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE ROW SMT TYPE



Recommended P.C.Board Layout



$$A = B + 4.33$$

$$B = 1.27 \times (\text{NO. OF CONTACTS} / \text{ROW} - 1)$$

$$C = B + 1.91$$

SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

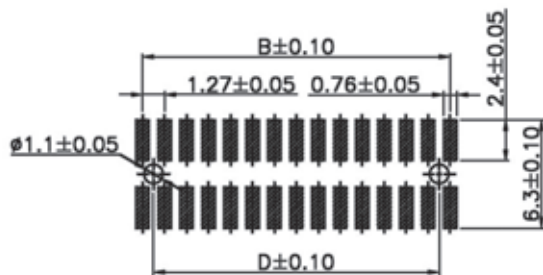
ORDERING INFORMATION:

P/N 1 2 $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{x}{4}$ B - $\frac{x}{4}$

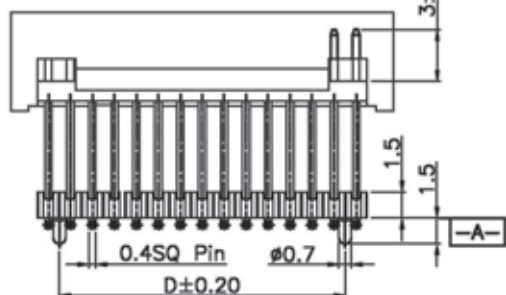
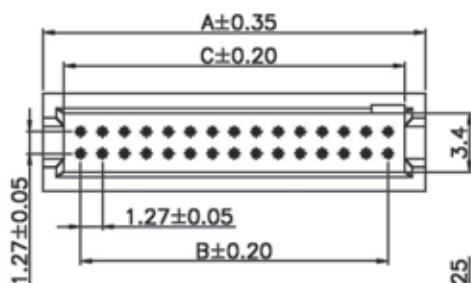
1. LOCATING PEG OPTION:
"G51" WITHOUT LOCATING PEGS
"G52" WITH LOCATING PEGS
2. NO. OF CONTACTS:
010 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
4. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE ROW SMT TYPE



Recommended P.C.Board Layout

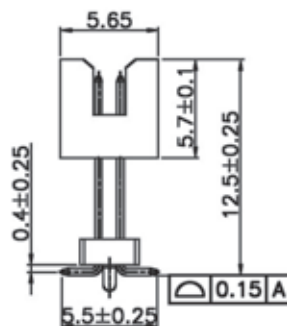


$$A = B + 4.33$$

$$B = 1.27 \times (\text{NO. OF CONTACTS} / \text{ROW} - 1)$$

$$C = B + 1.91$$

$$D = B - 1.27$$



SPECIFICATIONS

Current Rating: 1.0 A

Voltage Rating: 100V AC/DC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 5000MΩ Min.

Withstanding Voltage: 500V AC/Min.

Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: NY6T UL94V-0, Black

Contact: Brass

All materials must be RoHS compliant.

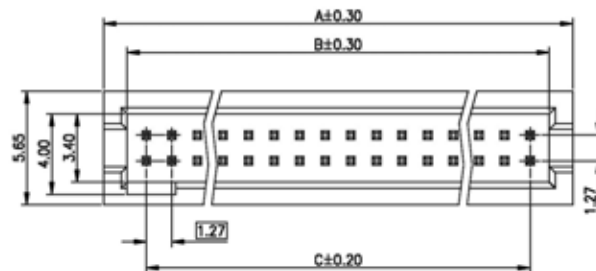
ORDERING INFORMATION:

P/N 1 2 xxx - xxx x B - x
1 2 3 4

1. LOCATING PEG OPTION:
"G53" WITHOUT LOCATING PEGS
"G54" WITH LOCATING PEGS
2. NO. OF CONTACTS:
010 ~ 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
4. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM BOX HEADER DOUBLE ROW SMT TYPE H = 7.5MM



SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

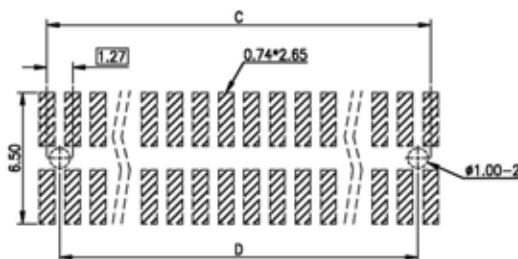
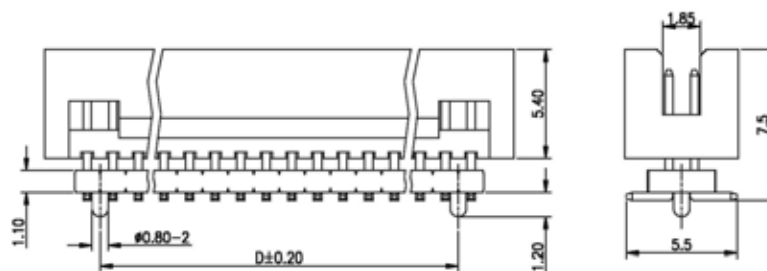
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Hi.-Temp. Plastic(UL 94V-0), Black

Terminal: Sq. 0.40mm Copper Alloy, Gold Plating

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Pin 数	A	B	C	D	Pin 数	A	B	C	D
10	9.41	6.99	5.08	3.81	56	38.62	36.20	34.29	33.02
12	10.68	8.26	6.35	5.08	58	39.89	37.47	35.56	34.29
14	11.95	9.53	7.62	6.35	60	41.16	38.74	36.83	35.56
16	13.22	10.80	8.89	7.62	62	42.43	40.01	38.10	36.83
18	14.49	12.07	10.16	8.89	64	43.70	41.28	39.37	38.10
20	15.76	13.34	11.43	10.16	66	44.97	42.55	40.64	39.37
22	17.03	14.61	12.70	11.43	68	46.24	43.82	41.91	40.64
24	18.30	15.88	13.97	12.70	70	47.51	45.09	43.18	41.91
26	19.57	17.15	15.24	13.97	72	48.78	46.36	44.45	43.18
28	20.84	18.42	16.51	15.24	74	50.05	47.63	45.72	44.45
30	22.11	19.69	17.78	16.51	76	51.32	48.90	46.99	45.72
32	23.38	20.96	19.05	17.78	78	52.59	50.17	48.26	46.99
34	24.65	22.23	20.32	19.05	80	53.86	51.44	49.53	48.26
36	25.92	23.50	21.59	20.32	82	55.13	52.71	50.80	49.53
38	27.19	24.77	22.86	21.59	84	56.40	53.98	52.07	50.80
40	28.46	26.04	24.13	22.86	86	57.67	55.25	53.34	52.07
42	29.73	27.31	25.40	24.13	88	58.94	56.52	54.61	53.34
44	31.00	28.58	26.67	25.40	90	60.21	57.79	55.88	54.61
46	32.27	29.85	27.94	26.67	92	61.48	59.06	57.15	55.88
48	33.54	31.12	29.21	27.94	94	62.75	60.33	58.42	57.15
50	34.81	32.39	30.48	29.21	96	64.02	61.60	59.69	58.42
52	36.08	33.66	31.75	30.48	98	65.29	62.87	60.96	59.69
54	37.35	34.93	33.02	31.75	100	66.56	64.14	62.23	60.96

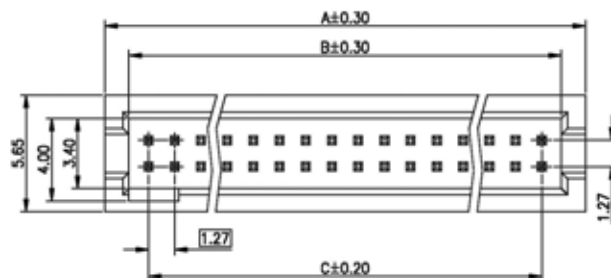
ORDERING INFORMATION:

P/N 1 2 E 1 9 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{G}{2} \frac{B}{3} - \frac{x}{3}$

1. NO. OF CONTACTS:
010~100
2. CONTACT FINISH:
"G" FULL GOLD PLATED
3. PAD & PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM BOX HEADER DOUBLE ROW SMT TYPE H = 9.4MM



SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

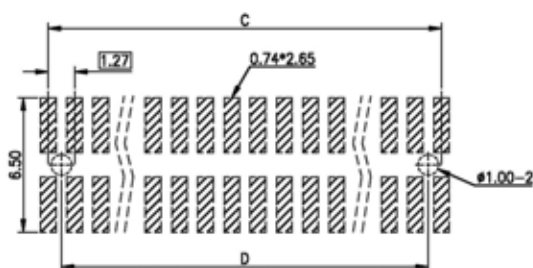
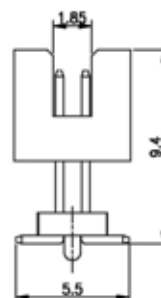
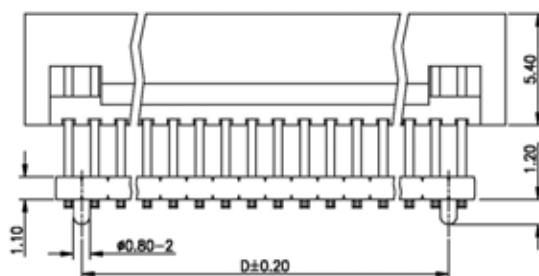
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Hi.-Temp. Plastic(UL 94V-0), Black

Terminal: Sq. 0.40mm Copper Alloy, Gold Plating

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Pin 數	A	B	C	D	Pin 數	A	B	C	D
10	9.41	6.99	5.08	3.81	56	38.62	36.20	34.29	33.02
12	10.68	8.26	6.35	5.08	58	39.89	37.47	35.56	34.29
14	11.95	9.53	7.62	6.35	60	41.16	38.74	36.83	35.56
16	13.22	10.80	8.89	7.62	62	42.43	40.01	38.10	36.83
18	14.49	12.07	10.16	8.89	64	43.70	41.28	39.37	38.10
20	15.76	13.34	11.43	10.16	66	44.97	42.55	40.64	39.37
22	17.03	14.61	12.70	11.43	68	46.24	43.82	41.91	40.64
24	18.30	15.88	13.97	12.70	70	47.51	45.09	43.18	41.91
26	19.57	17.15	15.24	13.97	72	48.78	46.36	44.45	43.18
28	20.84	18.42	16.51	15.24	74	50.05	47.63	45.72	44.45
30	22.11	19.69	17.78	16.51	76	51.32	48.90	46.99	45.72
32	23.38	20.96	19.05	17.78	78	52.59	50.17	48.26	46.99
34	24.65	22.23	20.32	19.05	80	53.86	51.44	49.53	48.26
36	25.92	23.50	21.59	20.32	82	55.13	52.71	50.80	49.53
38	27.19	24.77	22.86	21.59	84	56.40	53.98	52.07	50.80
40	28.46	26.04	24.13	22.86	86	57.67	55.25	53.34	52.07
42	29.73	27.31	25.40	24.13	88	58.94	56.52	54.61	53.34
44	31.00	28.58	26.67	25.40	90	60.21	57.79	55.88	54.61
46	32.27	29.85	27.94	26.67	92	61.48	59.06	57.15	55.88
48	33.54	31.12	29.21	27.94	94	62.75	60.33	58.42	57.15
50	34.81	32.39	30.48	29.21	96	64.02	61.60	59.69	58.42
52	36.08	33.66	31.75	30.48	98	65.29	62.87	60.96	59.69
54	37.35	34.93	33.02	31.75	100	66.56	64.14	62.23	60.96

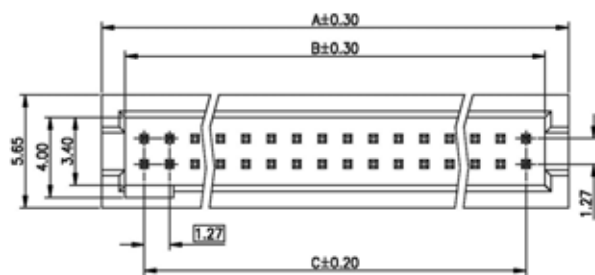
ORDERING INFORMATION:

P/N 1 2 E 2 0 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{G}{2} \frac{B}{3} - \frac{x}{3}$

1. NO. OF CONTACTS:
010~100
2. CONTACT FINISH:
"G" FULL GOLD PLATED
3. PAD & PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM*1.27MM BOX HEADER DOUBLE ROW SMT TYPE H = 13.0MM



SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

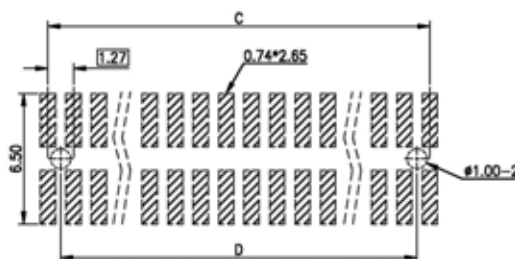
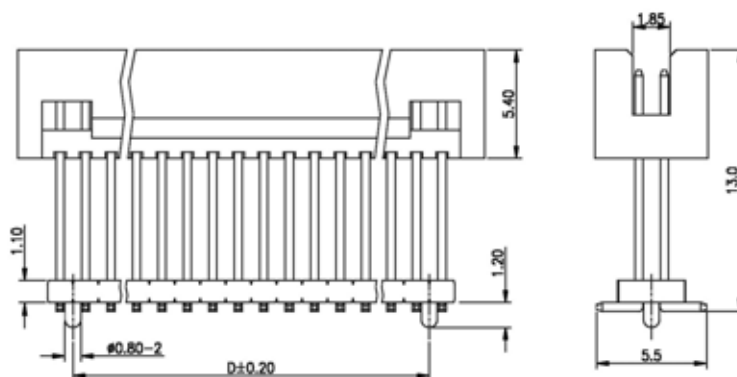
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Hi.-Temp. Plastic(UL 94V-0), Black

Terminal: Sq. 0.40mm Copper Alloy, Gold Plating

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Pin 数	A	B	C	D	Pin 数	A	B	C	D
10	9.41	6.99	5.08	3.81	56	38.62	36.20	34.29	33.02
12	10.68	8.26	6.35	5.08	58	39.89	37.47	35.56	34.29
14	11.95	9.53	7.62	6.35	60	41.16	38.74	36.83	35.56
16	13.22	10.80	8.89	7.62	62	42.43	40.01	38.10	36.83
18	14.49	12.07	10.16	8.89	64	43.70	41.28	39.37	38.10
20	15.76	13.34	11.43	10.16	66	44.97	42.55	40.64	39.37
22	17.03	14.61	12.70	11.43	68	46.24	43.82	41.91	40.64
24	18.30	15.88	13.97	12.70	70	47.51	45.09	43.18	41.91
26	19.57	17.15	15.24	13.97	72	48.78	46.36	44.45	43.18
28	20.84	18.42	16.51	15.24	74	50.05	47.63	45.72	44.45
30	22.11	19.69	17.78	16.51	76	51.32	48.90	46.99	45.72
32	23.38	20.96	19.05	17.78	78	52.59	50.17	48.26	46.99
34	24.65	22.23	20.32	19.05	80	53.86	51.44	49.53	48.26
36	25.92	23.50	21.59	20.32	82	55.13	52.71	50.80	49.53
38	27.19	24.77	22.86	21.59	84	56.40	53.98	52.07	50.80
40	28.46	26.04	24.13	22.86	86	57.67	55.25	53.34	52.07
42	29.73	27.31	25.40	24.13	88	58.94	56.52	54.61	53.34
44	31.00	28.58	26.67	25.40	90	60.21	57.79	55.88	54.61
46	32.27	29.85	27.94	26.67	92	61.48	59.06	57.15	55.88
48	33.54	31.12	29.21	27.94	94	62.75	60.33	58.42	57.15
50	34.81	32.39	30.48	29.21	96	64.02	61.60	59.69	58.42
52	36.08	33.66	31.75	30.48	98	65.29	62.87	60.96	59.69
54	37.35	34.93	33.02	31.75	100	66.56	64.14	62.23	60.96

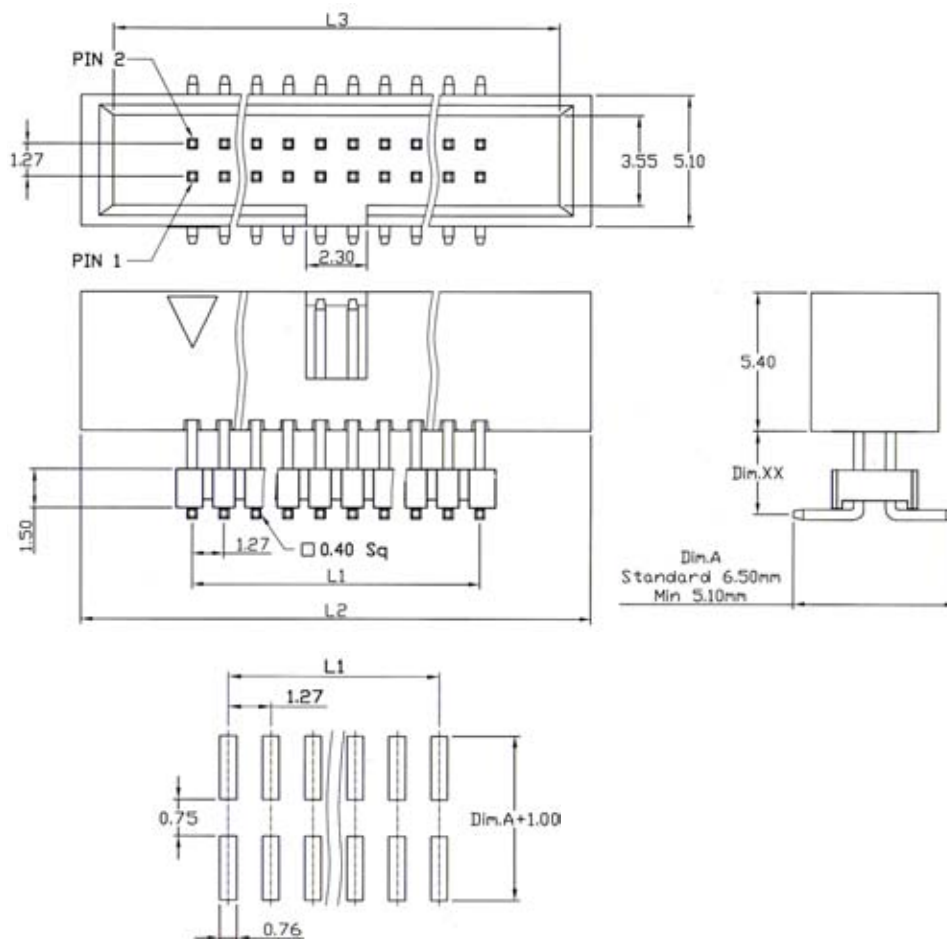
ORDERING INFORMATION:

P/N 1 2 E 2 1 - $\frac{x}{1} \frac{x}{2} \frac{G}{3} B - \frac{x}{3}$

1. NO. OF CONTACTS:
010~100
2. CONTACT FINISH:
"G" FULL GOLD PLATED
3. PAD & PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

CODE: 1 4 3 2 T 6 - XX - XXXX B - X
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P XXXXXX - XXXX B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T6" DIM. A= 6.50mm

2. DIMENSION XX (UNIT: mm)

3. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

5. PAD & PACKAGE OPTION:

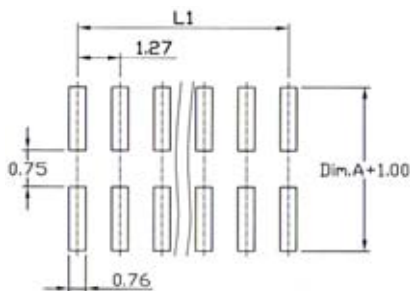
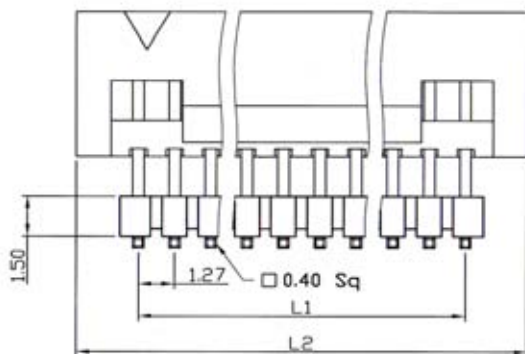
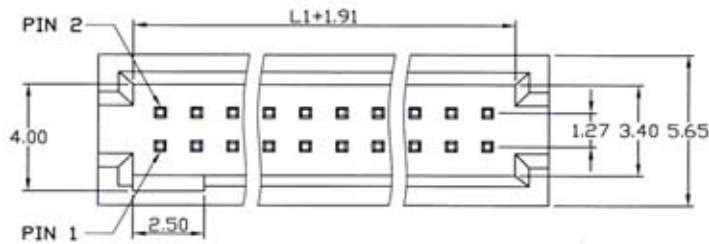
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

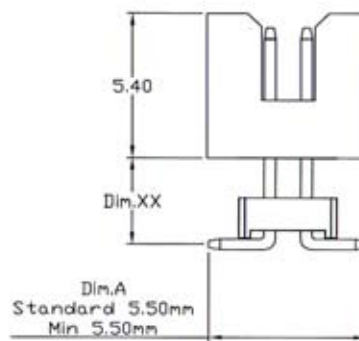
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

DIMENSIONS:

$L1 = 1.27 \times (\text{No. of Contacts/Row} - 1)$

$L2 = 1.27 \times \text{No. of Contacts/Row} + 3.06$

ORDERING INFORMATION:

CODE: 1 4 2 2 T 6 - $\frac{XX}{1} - \frac{XXXX}{2} B - \frac{x}{4} \frac{5}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{XXXXXX}{YY MM DD} - \frac{XXXX}{3} B$

1. EXTERIOR CODE:

"2T6" DIM. A = 5.50mm

2. DIMENSION XX (UNIT: mm)

3. NO. OF CONTACTS:

010 ~ 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

5. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

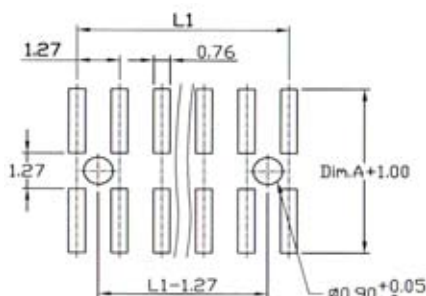
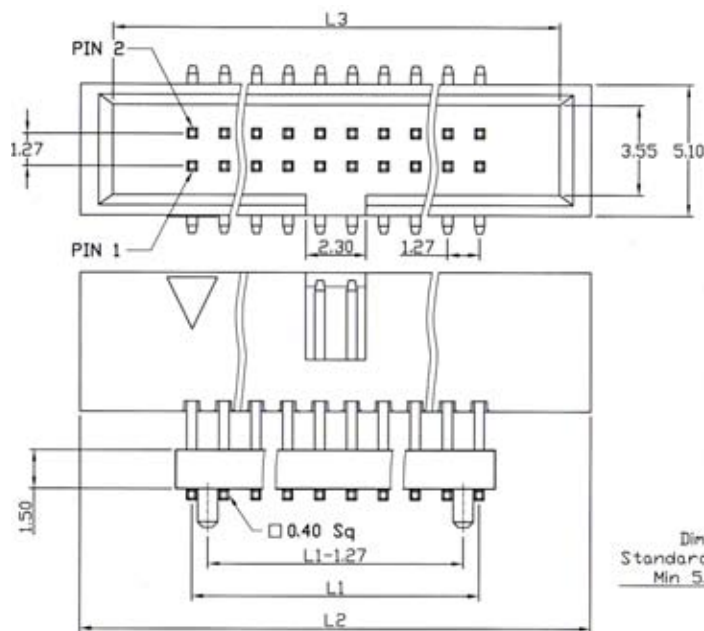
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

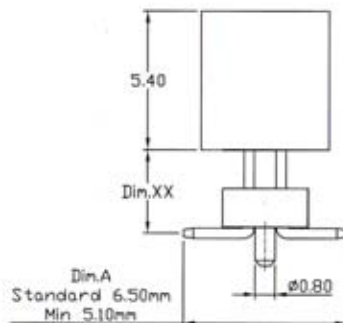
"0" BULK PACKAGE

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.10
12	6.35	13.92	12.37
14	7.62	15.19	13.64
16	8.89	16.46	14.91
20	11.43	19.00	17.45
24	13.97	21.54	19.99
26	15.24	22.81	21.26
28	16.51	24.08	22.53
30	17.78	25.53	23.80
34	20.32	27.89	26.34
40	24.13	31.70	30.15
44	26.67	34.24	32.69
50	30.48	38.05	36.50
60	36.83	44.40	42.85
64	39.37	46.94	45.39
68	41.91	49.48	47.93
80	49.53	57.10	55.55
100	62.23	69.80	68.25

ORDERING INFORMATION:

CODE: 1 4 3 2 T 5 - X X - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:

"2T5" DIM. A= 6.50mm

2. DIMENSION XX (UNIT: mm)

3. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 024, 026,
028, 030, 034, 040, 044, 050, 060, 064,
068, 080, 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

5. PAD & PACKAGE OPTION:

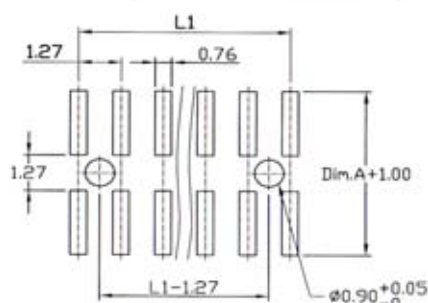
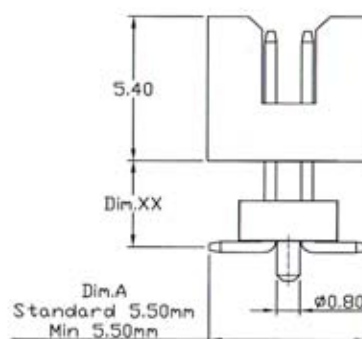
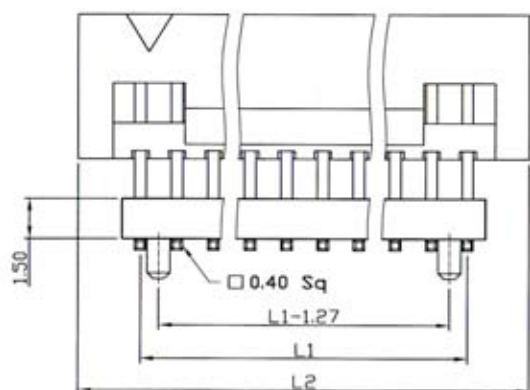
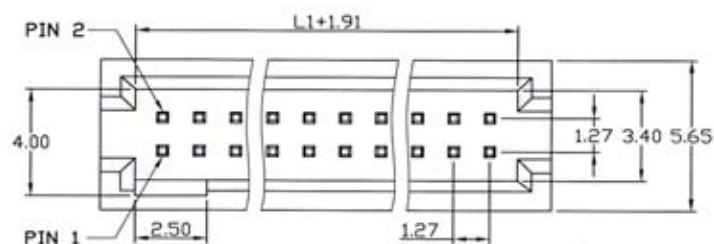
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T or LCP

Contacts: Brass

All materials must be RoHS compliant.

DIMENSIONS:

$$L1 = 1.27 \times (\text{No. of Contacts/Row} - 1)$$
$$L2 = 1.27 \times \text{No. of Contacts/Row} + 3.06$$

ORDERING INFORMATION:

CODE: 1 4 2 $\frac{2}{1}$ T 5 - $\frac{X}{2}$ X - $\frac{x}{3}$ x x $\frac{x}{4}$ B - $\frac{x}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

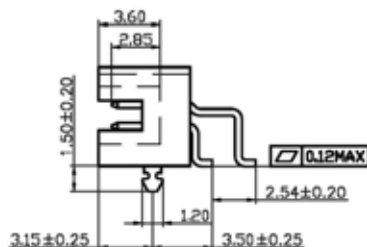
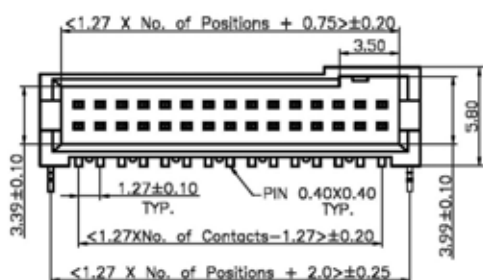
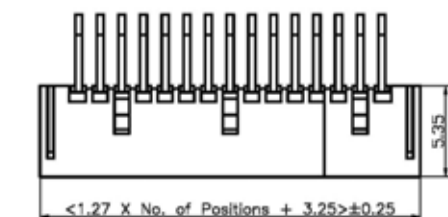
$$\mathbf{P/N} \quad \mathbf{P} \frac{\mathbf{x \ x \ x \ x \ x \ x}}{\mathbf{y \ y \ m \ m \ d \ d}} \mathbf{x} - \frac{\mathbf{x \ x \ x \ x}}{\mathbf{3}} \frac{\mathbf{x}}{\mathbf{4}} \mathbf{B}$$

1. EXTERIOR CODE:
"2T5" DIM. A= 5.50mm
2. DIMENSION XX (UNIT: mm)
3. NO. OF CONTACTS:
010 ~ 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED

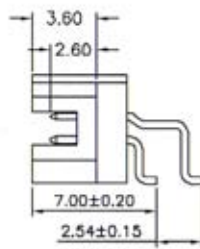
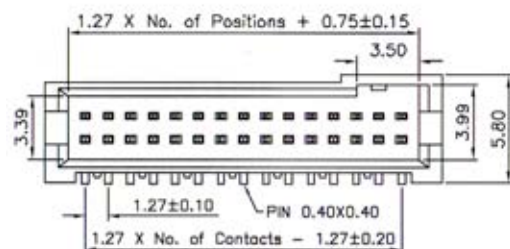
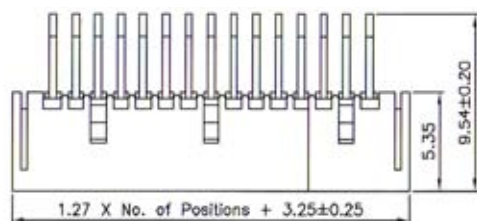
5. PAD & PACKAGE OPTION:
 "T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL
 "0" BULK PACKAGE

NOTE: PAD= PICK & PLACE PAD

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SIDE ENTRY SMT TYPE



127HV



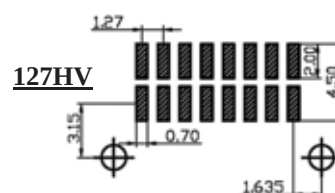
127GH

SPECIFICATIONS

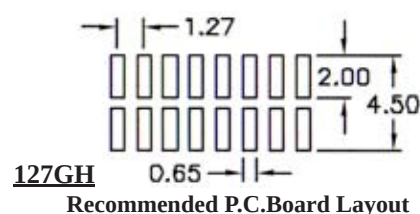
Current Rating: 1.0 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Polyester, UL94V-0
Nylon-6T
Contacts: Phosphor Bronze
All materials must be RoHS compliant.



Recommended P.C. Board Layout



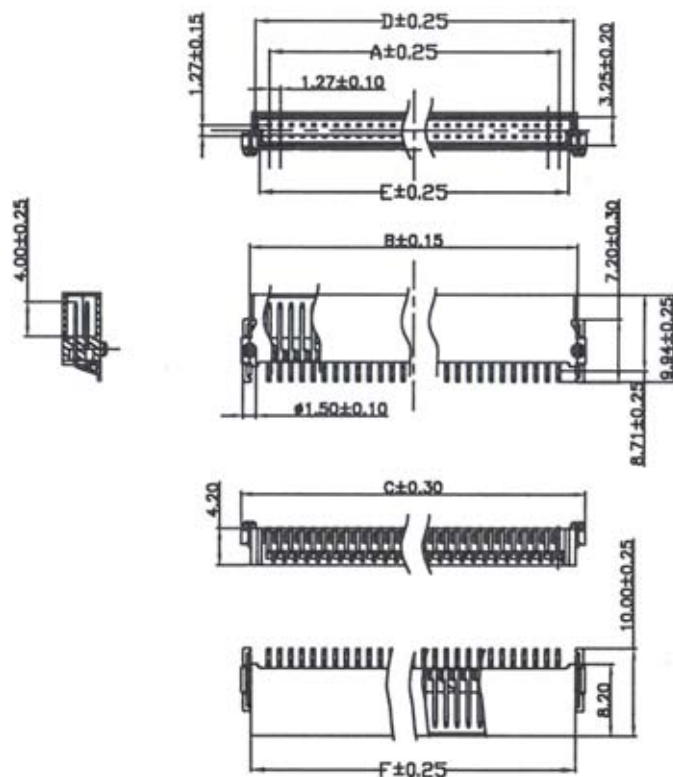
Recommended P.C. Board Layout

ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{S}{3}$ B - $\frac{x}{4}$

1. DIMENSION W & LOCKING CLIP:
"HV" WITH LOCKING CLIP
"GH" WITHOUT LOCKING CLIP
2. NO. OF CONTACTS:
010, 016, 020, 030, 040, 044, 048, 060
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.27MM x 1.27MM SMC B TYPE BOX HEADER RIGHT ANGLE SMT TYPE

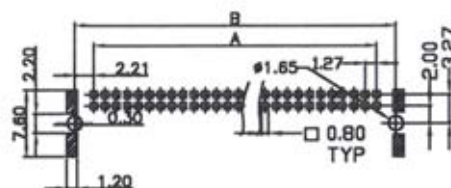
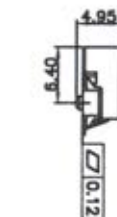


SPECIFICATIONS

Current Rating: 0.8 Amp
 Dielectric Withstand: 500V AC
 Insulator Resistance: 10000 MΩ min.
 Contact Resistance: 25mΩ Max.
 Operating Temperature: -55°C to +125°C

MATERIALS

Insulator: LCP, UL94V-0 Black
 Contacts: Copper Alloy
 All materials must be RoHS compliant.



Recommended P.C.Board Layout

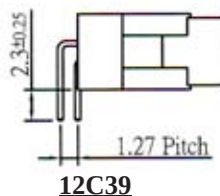
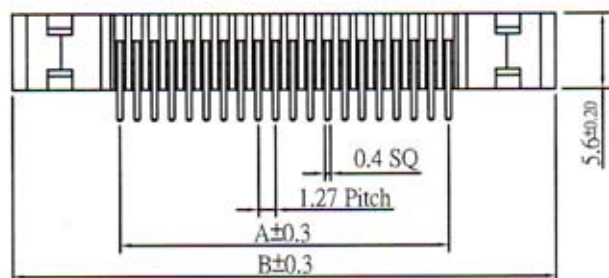
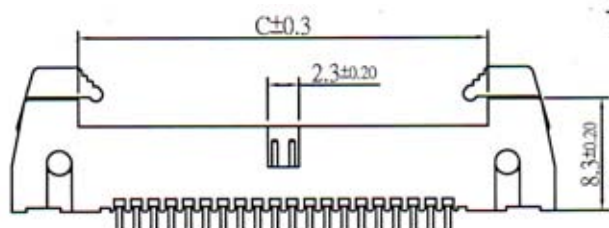
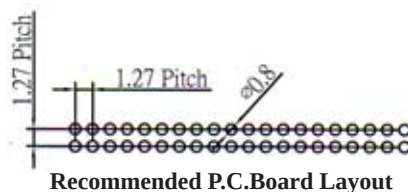
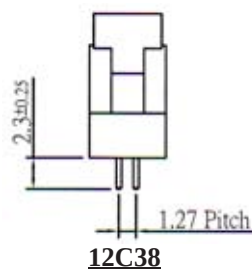
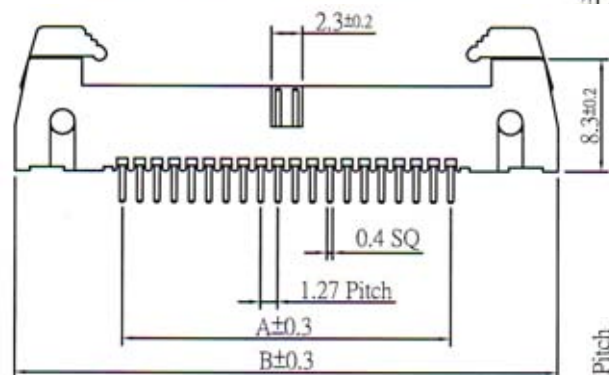
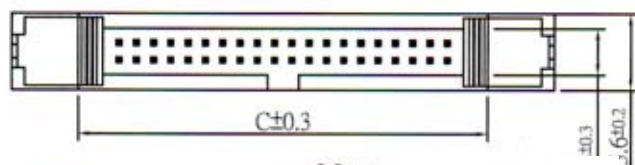
No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
012	6.35	10.77	12.70	9.57	8.57	10.35
026	15.24	19.66	21.60	18.46	17.46	19.24
050	30.48	34.90	36.80	33.70	32.70	34.48
068	41.91	46.33	48.20	45.13	44.13	45.91
080	49.53	53.95	55.80	52.75	51.75	53.53

ORDERING INFORMATION:

P/N 1 2 P 4 8 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} S B \frac{x}{3} \frac{x}{4} - \frac{x}{4}$

1. NO. OF CONTACTS:
012, 026, 050, 068, 080
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. GOLD PLATING:
"01" SELECTIVE GOLD FLASH PLATED
"05" SELECTIVE 5u" GOLD PLATED
4. PACKAGE TYPE:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.27MM x 1.27MM SHROUDED HEADER DIP TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	A	B	C
06	2.54	18.31	8.46
10	5.08	20.85	11.00
12	6.35	22.12	12.27
14	7.62	23.39	13.54
16	8.89	24.66	14.81
20	11.43	27.20	17.35
26	15.24	31.01	21.16
30	17.78	33.55	23.70
34	20.32	36.09	26.24
40	24.13	39.90	30.05
44	26.67	42.44	37.59
50	30.48	46.55	36.40
60	36.83	52.60	42.75
64	39.37	55.14	45.29
66	40.64	56.41	46.56
68	41.91	57.68	47.83
80	49.53	65.30	55.45
100	62.23	78.00	68.15

ORDERING INFORMATION:

P/N 1 2 C x x - x x x x B

1. TERMINAL TYPE:

"C38" STRAIGHT TYPE

"C39" RIGHT ANGLE TYPE

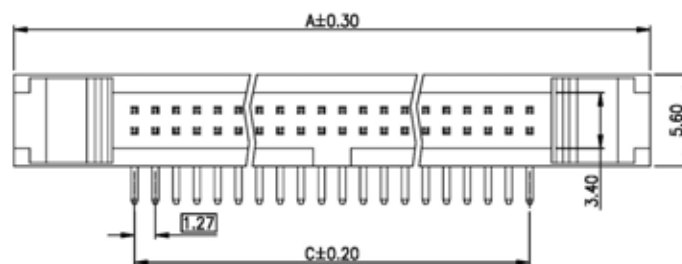
2. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 026, 030,
034, 040, 044, 050, 060, 064, 066, 068,
080, 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM*1.27MM SHROUDED HEADER DOUBLE ROW RIGHT ANGLE TYPE



SPECIFICATIONS

Rating Current: 1 Ampere Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

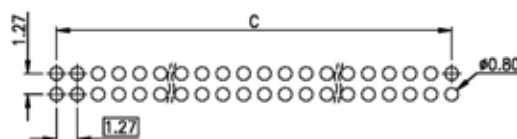
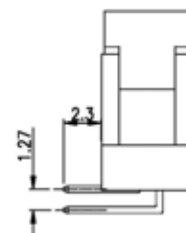
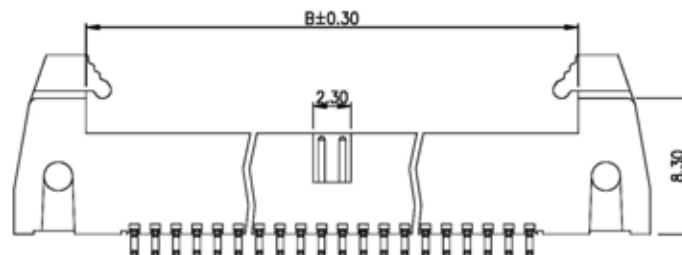
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Thermoplastic (UL 94V-0), Black

Terminal: Sq. 0.40mm Copper Alloy, Gold Plating

* RoHS & REACH compliant.



Recommended P.C.Board Layout

Dimensions			
Pos.	A	B	C
006	18.31	8.46	2.54
010	20.85	11.00	5.08
012	22.12	12.27	6.35
014	23.39	13.54	7.62
016	24.66	14.81	8.89
020	27.20	17.35	11.43
026	31.01	21.16	15.24
030	33.55	23.70	17.78
034	36.09	26.24	20.32
040	39.90	30.05	24.13
044	42.44	37.59	26.67
050	46.25	36.40	30.48
060	52.60	42.75	36.83
064	55.14	45.29	39.37
066	56.41	46.56	40.64
068	57.68	47.83	41.91
080	65.30	55.45	49.53
100	78.00	68.15	62.23

ORDERING INFORMATION:

P/N 1 2 E 2 4 - $\frac{xxx}{1}$ $\frac{G}{2}$ B

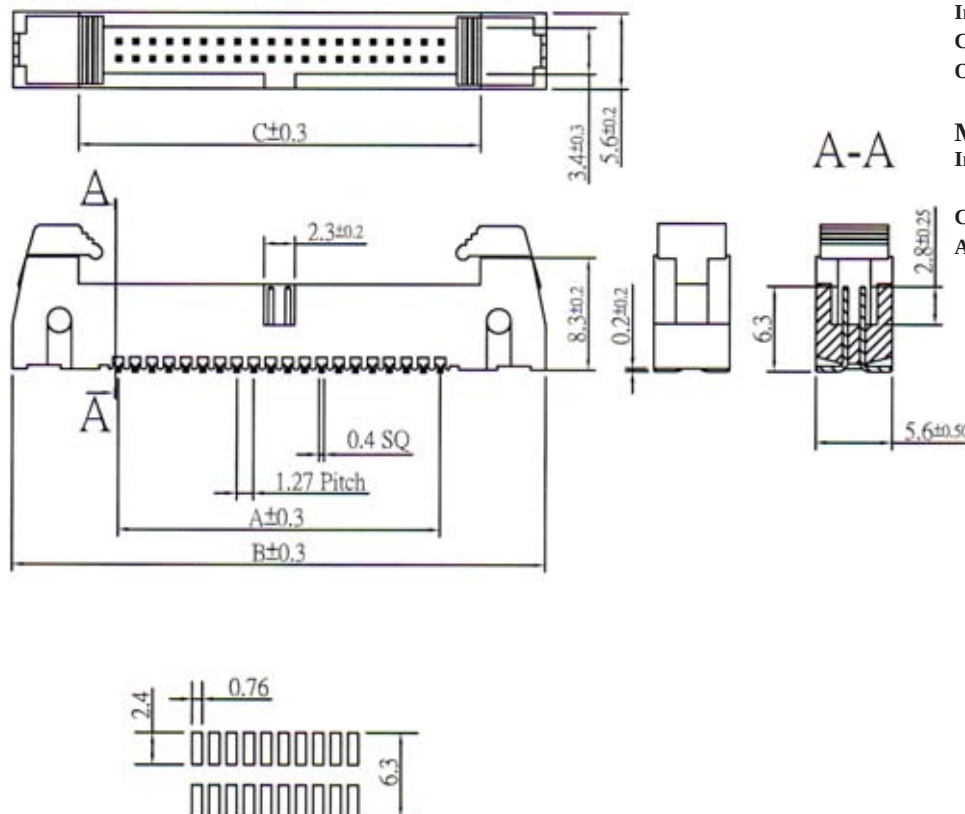
1. NO. OF CONTACTS:

006~100

2. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM x 1.27MM SHROUDED HEADER SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

LCP

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	A	B	C
06	2.54	18.31	8.46
10	5.08	20.85	11.00
12	6.35	22.12	12.27
14	7.62	23.39	13.54
16	8.89	24.66	14.81
20	11.43	27.20	17.35
26	15.24	31.01	21.16
30	17.78	33.55	23.70
34	20.32	36.09	26.24
40	24.13	39.90	30.05
44	26.67	42.44	37.59
50	30.48	46.55	36.40
60	36.83	52.60	42.75
64	39.37	55.14	45.29
66	40.64	56.41	46.56
68	41.91	57.68	47.83
80	49.53	65.30	55.45
100	62.23	78.00	68.15

ORDERING INFORMATION:

P/N 1 2 C 4 0 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} B - \frac{x}{3}$

1. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 026, 030, 034, 040, 044, 050, 060, 064, 066, 068, 080, 100

2. CONTACT FINISH:

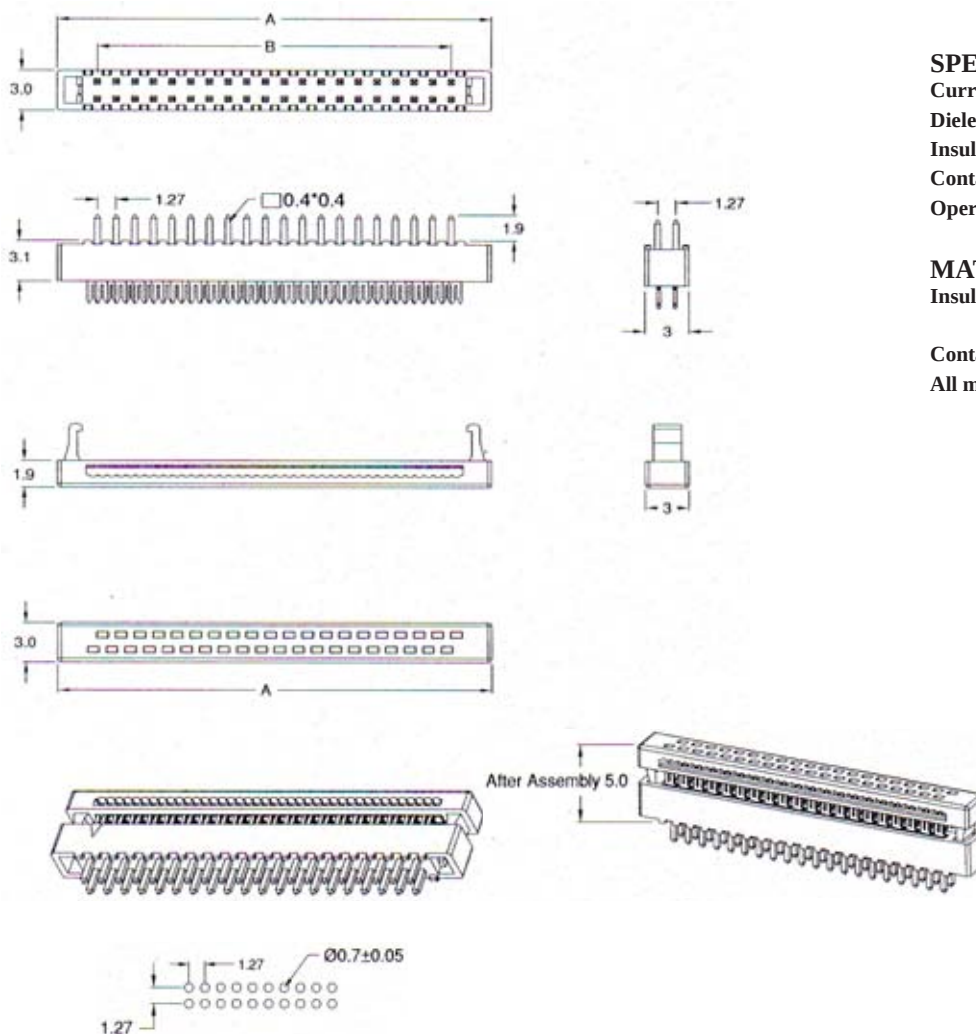
"G" FULL GOLD PLATED

3. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

NOTE: PAD = PICK & PLACE PAD

1.27MM x 1.27MM DIP PLUG FOR 0.635MM PITCH FLAT CABLE



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 250V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Glass, UL94V-0

P.B.T

Contacts: Brass

All materials must be RoHS compliant.

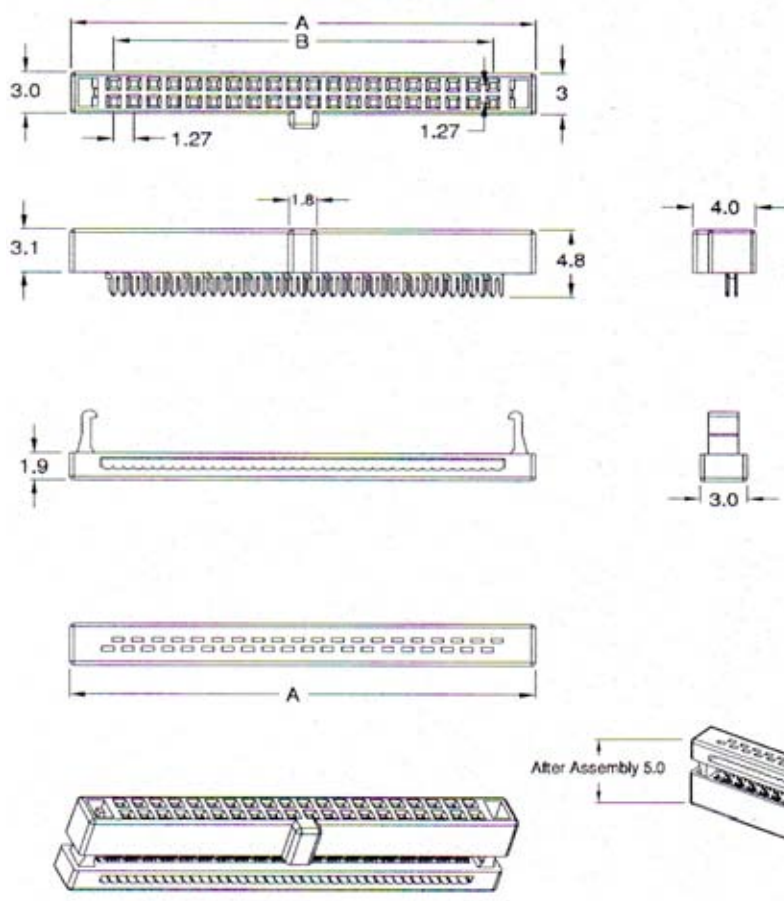
No. of Contacts	Dimensions(mm)	
	A	B
06	8.01	2.54
08	9.28	3.81
10	10.55	5.08
12	11.82	6.35
14	13.09	7.62
16	14.36	8.89
20	16.90	11.43
22	18.17	12.70
26	20.71	15.24
30	23.25	17.78
34	25.79	20.32
40	29.60	24.13
44	32.14	26.67
50	35.95	30.48
60	42.30	36.83
68	47.38	41.91
80	55.00	49.53

ORDERING INFORMATION:

P/N 12 D09 - xxx₂ x₃ B

1. TERMINATED HEIGHT:
"D09" H= 5.00mm AFTER ASSEMBLY
2. NO. OF CONTACTS:
006, 008, 010, 012, 014, 016, 020, 022,
026, 030, 034, 040, 044, 050, 060, 068
080
3. CONTACT FINISH:
"T" FULL TIN PLATED (STANDARD)

1.27MM x 1.27MM IDC SOCKET FOR 0.635MM PITCH FLAT CABLE



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 250V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Glass, UL94V-0

P.B.T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
06	8.01	2.54
08	9.28	3.81
10	10.55	5.08
12	11.82	6.35
14	13.09	7.62
16	14.36	8.89
20	16.90	11.43
22	18.17	12.70
26	20.71	15.24
30	23.25	17.78
34	25.79	20.32
40	29.60	24.13
44	32.14	26.67
50	35.95	30.48
60	42.30	36.83
68	47.38	41.91
80	55.00	49.53

ORDERING INFORMATION:

P/N 1 2 $\frac{D \times x}{1} - \frac{x \times x}{2} \frac{G}{3} B$

1. TERMINATED HEIGHT:

"D08" WITH BUMP (NOSE)

"D16" WITHOUT BUMP (NOSE)

2. NO. OF CONTACTS:

006, 008, 010, 012, 014, 016, 020, 022,

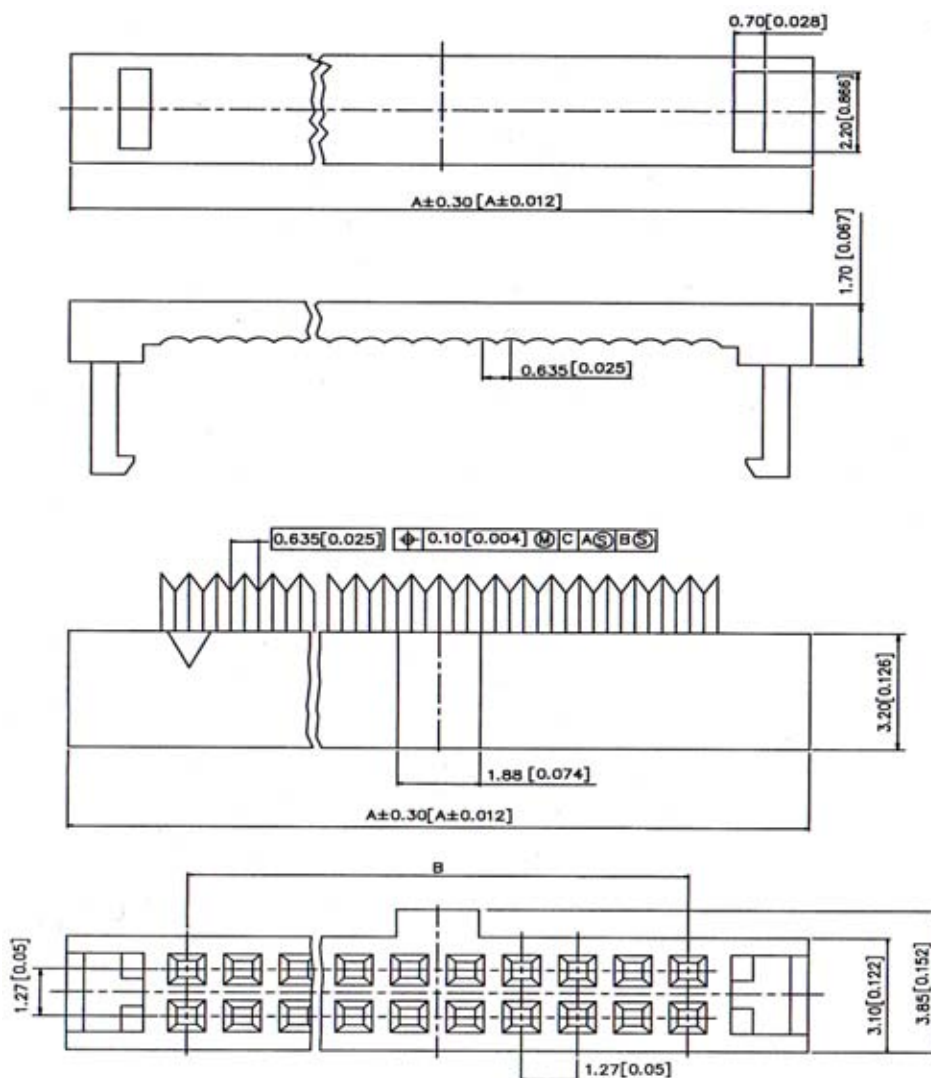
026, 030, 034, 040, 044, 050, 060, 068,

080

3. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM x 1.27MM IDC SOCKET FOR 0.635MM PITCH FLAT CABLE



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to + 85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
P.B.T

Contacts: Copper Alloy

All materials must be RoHS compliant.

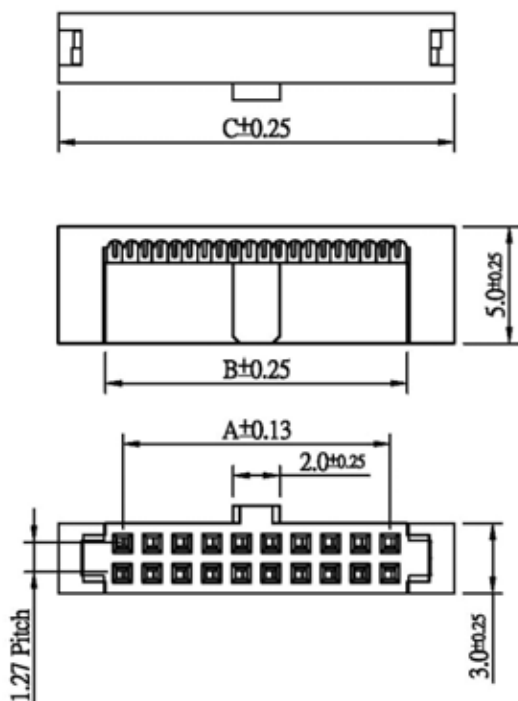
No. of Contacts	Dimensions(mm)	
	A	B
10	10.55	5.08
12	11.82	6.35
14	13.09	7.62
20	16.90	11.43
26	20.71	15.24
30	23.25	17.78
40	29.60	24.13
50	35.95	30.48

ORDERING INFORMATION:

P/N 1 2 7 D L - $\frac{x}{1} \frac{x}{2} \frac{G}{3} B - \frac{T}{3}$

1. NO. OF CONTACTS:
010, 012, 014, 020, 026, 030, 040, 050
2. CONTACT FINISH:
"G" FULL GOLD PLATED
3. PACKAGE TYPE:
"T" W/O PAD IN TUBE

1.27MM x 1.27MM IDC SOCKET FOR 0.635MM PITCH FLAT CABLE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Polyester, UL94V-0

P.B.T

Contacts: Phosphor Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	A	B	C
06	2.54	4.01	8.04
08	3.81	5.28	9.31
10	5.08	6.55	10.58
12	6.35	7.82	11.85
14	7.62	9.09	13.12
16	8.89	10.36	14.39
20	11.43	12.90	16.93
24	13.97	15.44	19.47
26	15.24	16.71	20.74
30	17.78	19.25	23.28
34	20.32	21.79	25.82
40	24.13	25.60	29.63
44	26.67	28.14	32.17
50	30.48	31.95	35.98
60	36.83	38.30	42.33
64	39.37	40.84	44.87
66	40.64	42.11	46.14
68	41.91	43.38	47.41

ORDERING INFORMATION:

P/N 1 2 D 0 7 - x x x G B
1 2 3

1. CONNECTOR TYPE:

"D07" W/O STRAIN RELIEF

2. NO. OF CONTACTS:

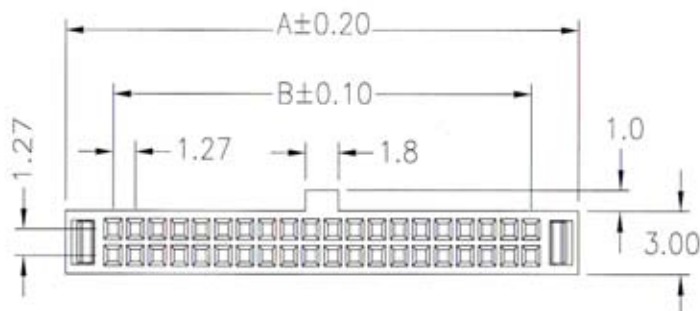
006, 008, 010, 012, 014, 016, 020, 024, 026,
030, 034, 040, 044, 050, 060, 064, 068

3. CONTACT FINISH:

"G" FULL GOLD PLATED

NOTE: MATES WITH 12C56, 12C57 & 12C58 BOX HEADERS

1.27MM x 1.27MM IDC SOCKET FOR 0.635MM PITCH FLAT CABLE



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 250V DC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to + 105°C

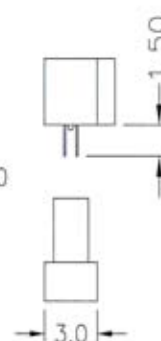
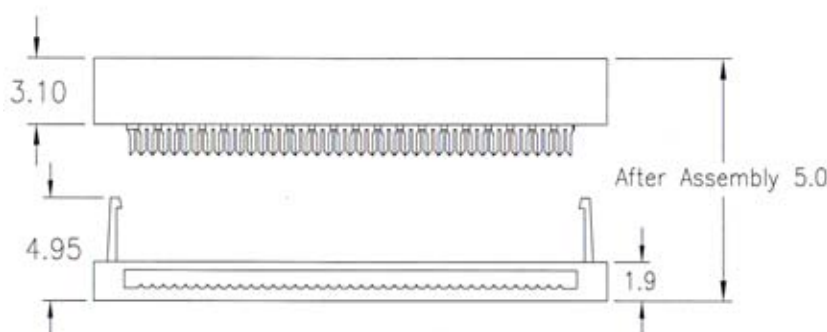
MATERIALS

Insulator: Glass, UL94V-0

P.B.T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)	
	A	B
06	8.01	2.54
08	9.28	3.81
10	10.55	5.08
12	11.82	6.35
14	13.09	7.62
16	14.36	8.89
20	16.90	11.43
22	18.17	12.70
26	20.71	15.24
30	23.25	17.78
34	25.79	20.32
40	29.60	24.13
44	32.14	26.67
50	35.95	30.48
60	42.30	36.83
68	47.38	41.91
80	55.00	49.53

ORDERING INFORMATION:

P/N 1 2 C 3 2 - x x x S B
1 2 3

1. CONNECTOR TYPE:

"C32" W/O STRAIN RELIEF

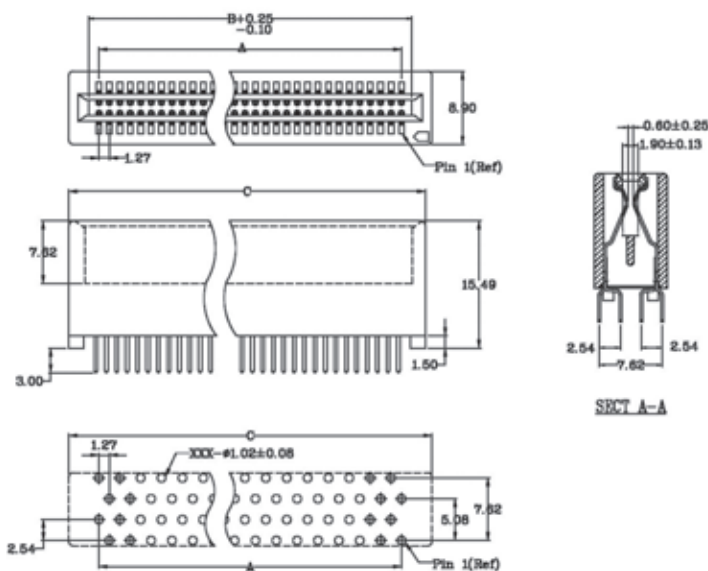
2. NO. OF CONTACTS:

006, 008, 010, 012, 014, 016, 020, 022,
026, 030, 034, 040, 044, 050, 060, 068,
080

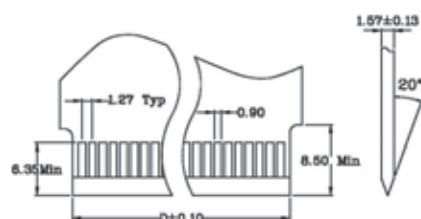
3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

1.27MM ALL PIN SLOT SOCKET WITHOUT POST



Recommended P.C.Board Layout



Daughter Card Requirements

SPECIFICATIONS

Current Rating: 1 A

Operation Voltage: 125 VAC

Contact Resistance: 30mΩ Max.

Insulator Resistance: 1000MΩ Min.

Dielectric Withstand Voltage:

500V AC/Min or 1000V AC/Sec

Operating Temperature: -55°C to +105°C

MATERIALS

Body: High Temperature Thermoplastic,
UL94V-0, Black

Contact: Copper Alloy

Contact Plating: Gold Plating Over Nickel
On Contact Area Tin
Plating On Solder Tail

All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)			
	A	B	C	D
10	5.08	7.62	10.80	7.37
12	6.35	8.89	12.07	8.64
20	11.43	13.97	17.15	13.72
26	15.24	13.78	20.96	17.53
30	17.78	20.32	23.50	20.07
40	24.13	26.67	29.85	26.42
50	30.48	33.02	36.20	32.77
60	36.82	39.37	42.55	39.12
80	49.53	52.07	55.25	51.82
100	62.23	64.77	67.95	64.52
120	74.93	77.47	80.65	77.22

ORDERING INFORMATION:

P/N 1 2 P 3 2 - $\frac{XXX}{1} \frac{S}{2} \frac{B}{3} \frac{XX}{3}$

1. NO. OF CONTACTS:

010, 012, 020, 026, 030, 040,
050, 060, 080, 100, 120

2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

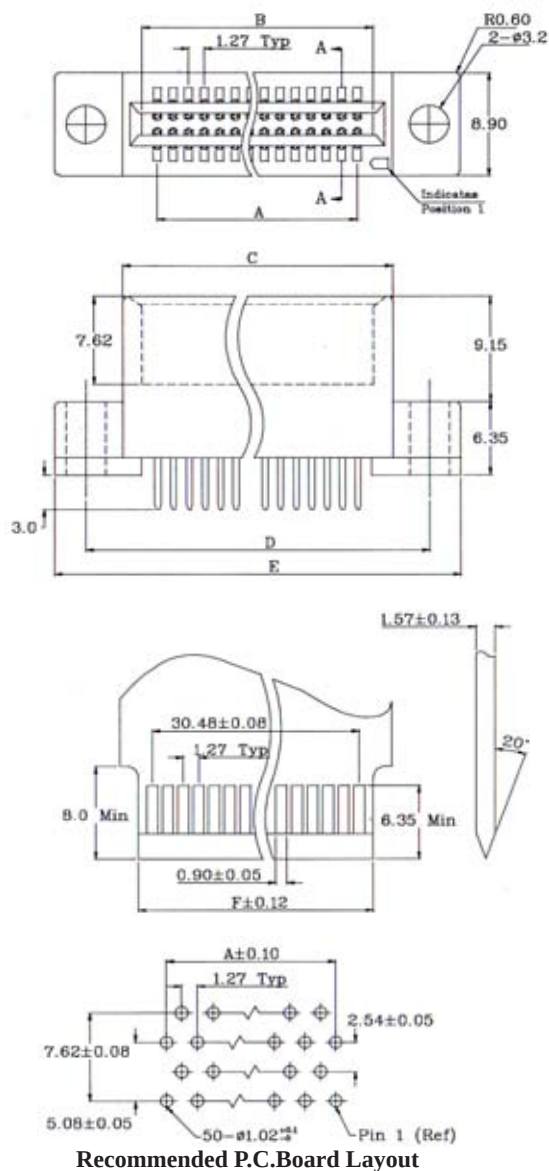
3. GOLD PLATED THICKNESS:

"01" GOLD FLASH

"05" 5 MICROINCH GOLD

"10" 10 MICROINCH GOLD

1.27MM ALL PIN SLOT SOCKET STAGGERED POSITION TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Housing: PPS, UL94V-0

Contact Material: Phosphor Bronze

All materials must be RoHS compliant.

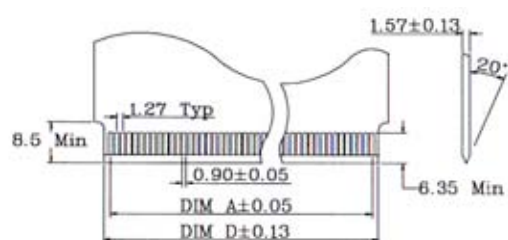
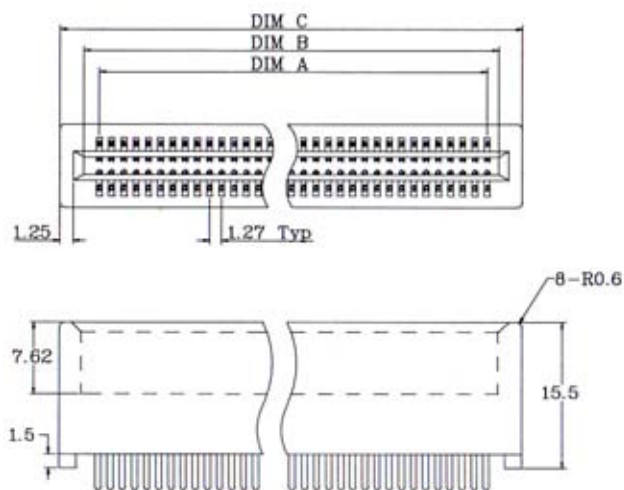
No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
10	5.08	7.62	10.80	16.76	21.84	7.37
12	6.35	8.89	12.07	18.03	23.11	8.64
20	11.43	13.97	17.15	23.11	28.19	13.72
26	15.24	17.78	20.96	26.92	32.00	17.53
30	17.78	20.32	23.50	29.46	34.54	20.07
40	24.13	26.67	29.85	35.81	40.89	26.42
50	30.48	33.02	36.20	42.16	47.24	32.77
60	36.83	39.37	42.55	48.51	53.59	39.12
80	49.53	52.07	55.25	61.21	66.29	51.82
100	62.23	64.77	67.95	73.91	78.99	64.52
120	74.93	77.47	80.65	86.61	91.69	77.22

ORDERING INFORMATION:

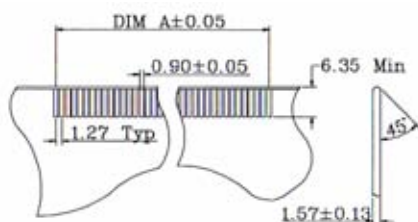
P/N 1 2 P 0 2 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{S}{4} \frac{B}{2} \frac{x}{3} \frac{x}{4}$

1. NO. OF CONTACTS:
010, 012, 020, 026, 030, 040, 050, 060, 080, 100, 120
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.27MM ALL PIN SLOT SOCKET STRADDLE TYPE



Daughter Card Requirements



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Housing: PPS, UL94V-0

Contact Material: Phosphor Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)			
	A	B	C	D
10	5.08	7.62	12.45	7.37
12	6.35	8.89	13.72	8.64
20	11.43	13.97	18.80	13.72
26	15.24	17.78	22.61	17.53
30	17.78	20.32	25.15	20.07
40	24.13	26.67	31.50	26.42
50	30.48	33.02	37.85	32.77
60	36.83	39.37	44.20	39.12
80	49.53	52.07	56.90	51.82
100	62.23	64.77	69.60	64.52
120	74.93	77.47	82.65	77.22

ORDERING INFORMATION:

P/N 1 2 P 0 4 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{S}{4} \frac{B}{3} \frac{x}{4} \frac{x}{4}$

1. NO. OF CONTACTS:

010, 012, 020, 026, 030, 040, 050, 060, 080, 100, 120

2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

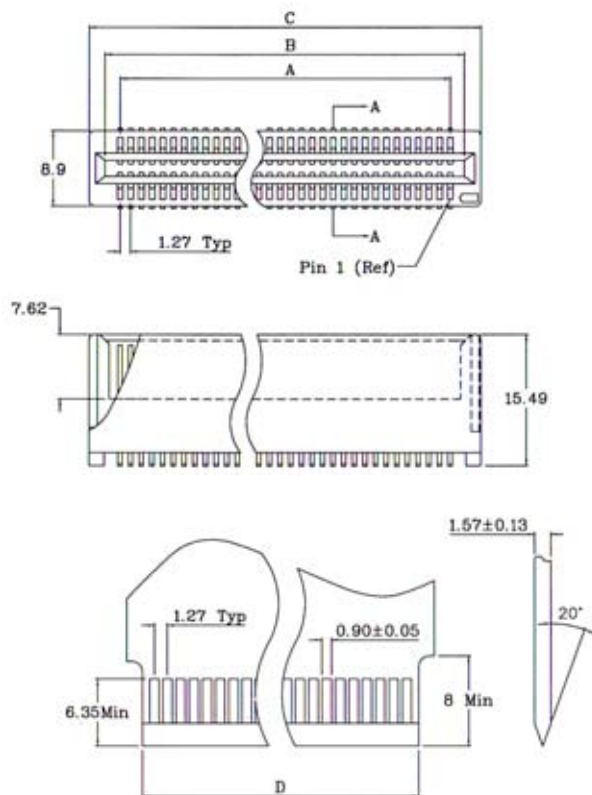
3. INSULATOR COLOR:

"B" BLACK

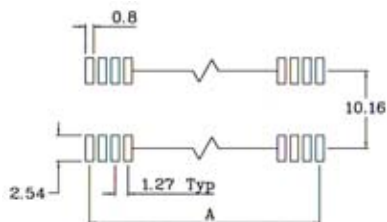
4. GOLD PLATED THICKNESS:

"01" GOLD FLASH

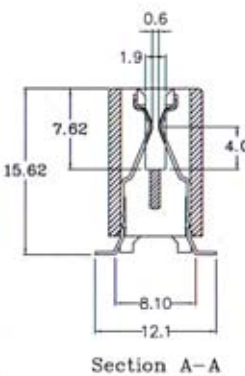
1.27MM ALL PIN SLOT SOCKET SMT TYPE



Daughter Card Requirements



Recommended P.C.Board Layout



Section A-A

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Housing: PPS, UL94V-0

Contact Material: Copper Alloy

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)			
	A	B	C	D
10	5.08	7.62	10.80	7.37
12	6.35	8.89	12.07	8.64
20	11.43	13.97	17.15	13.72
26	15.24	17.78	20.96	17.53
30	17.78	20.32	23.50	20.07
40	24.13	26.67	29.85	26.42
50	30.48	33.02	36.20	32.77
60	36.83	39.37	42.55	39.12
80	49.53	52.07	55.25	51.82
100	62.23	64.77	67.95	64.52
120	74.93	77.47	80.65	77.22
132	82.55	85.09	88.27	84.84

ORDERING INFORMATION:

P/N 1 2 P 0 3 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{S}{4} \frac{B}{3} \frac{x}{4}$

1. NO. OF CONTACTS:
010, 012, 020, 026, 030, 040, 050, 060,
080, 100, 120, 132
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.27MM PCI 20 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

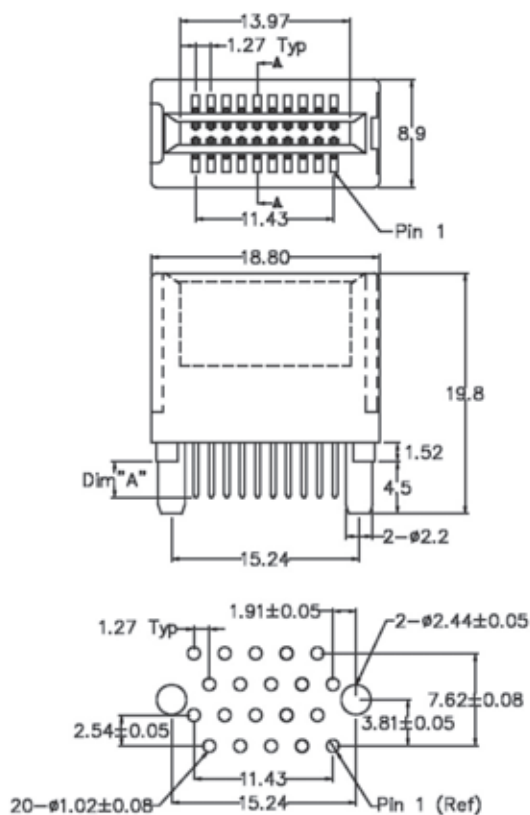
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

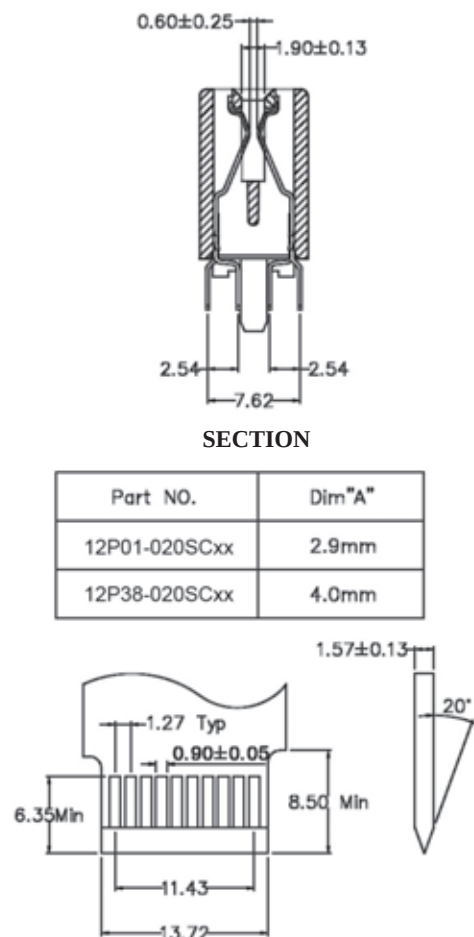
On Solder Tail

Body: High Temperature Thermoplastic
(PPS) (UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C.Board Layout



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P_{xx} - 020 S C_{xx}

1 2 3 4

1. PIN LENGTH:

"P01" DIM. A= 2.9MM

"P38" DIM. A= 4.0MM

2. NO. OF CONTACTS:

020

3. HOUSING COLOR:

"C" BROWN

4. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.27MM PCI 40 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

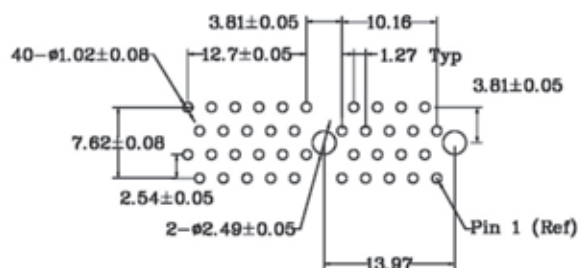
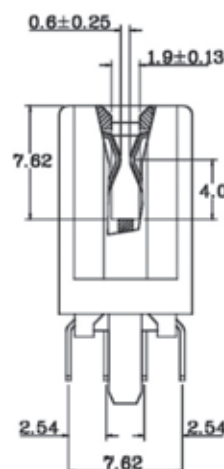
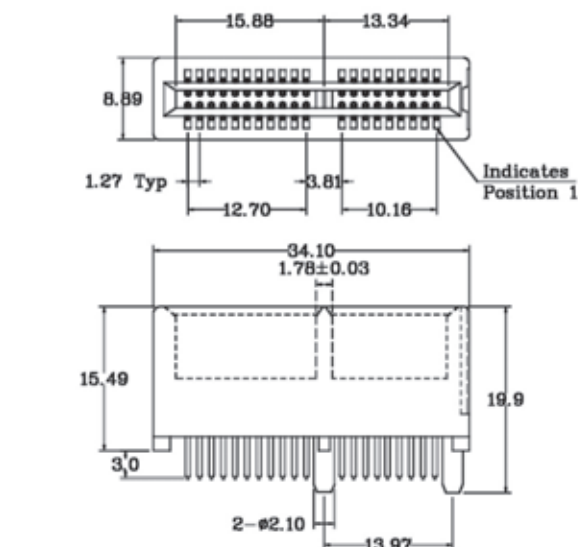
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

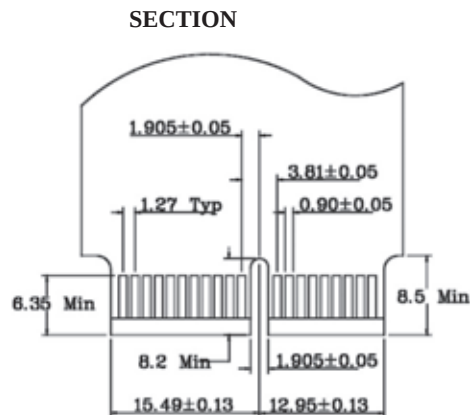
On Solder Tail

Body: High Temperature Thermoplastic
(UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C. Board Layout



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 3 4 - 0 4 0 S C 0 1
 1 2 3

1. NO. OF CONTACTS:

040

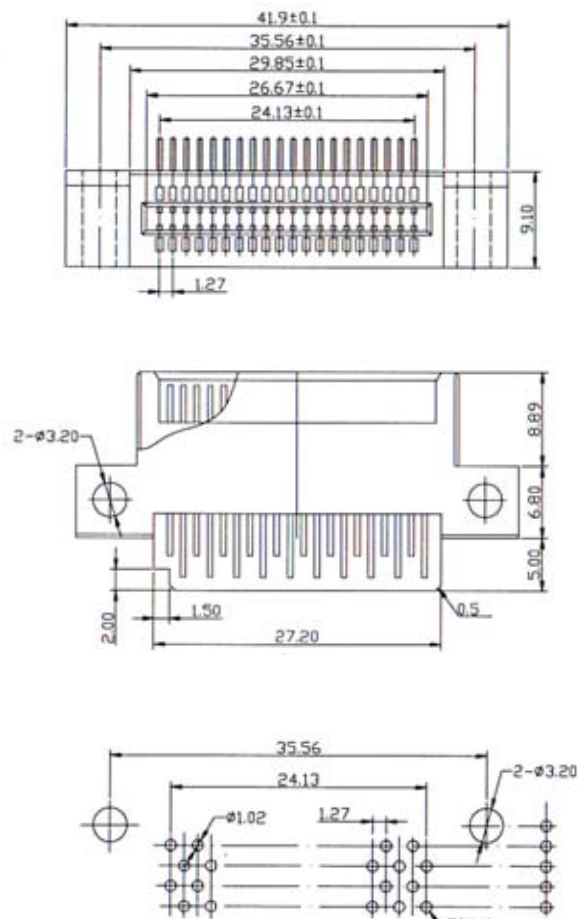
2. HOUSING COLOR:

"C" BROWN

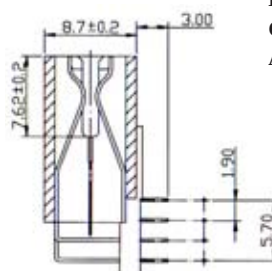
3. CONTACT FINISH:

"01" GOLD FLASH

1.27MM 40 PIN SLOT SOCKET RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Housing: PBT, UL94V-0

Contact Material: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 P 3 5 - 0 4 0 S x x x
 1 2 3 4

1. NO. OF CONTACTS:
040
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
"G" FULL GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK (STANDARD)
"U" BLUE
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.27MM PCI 46 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

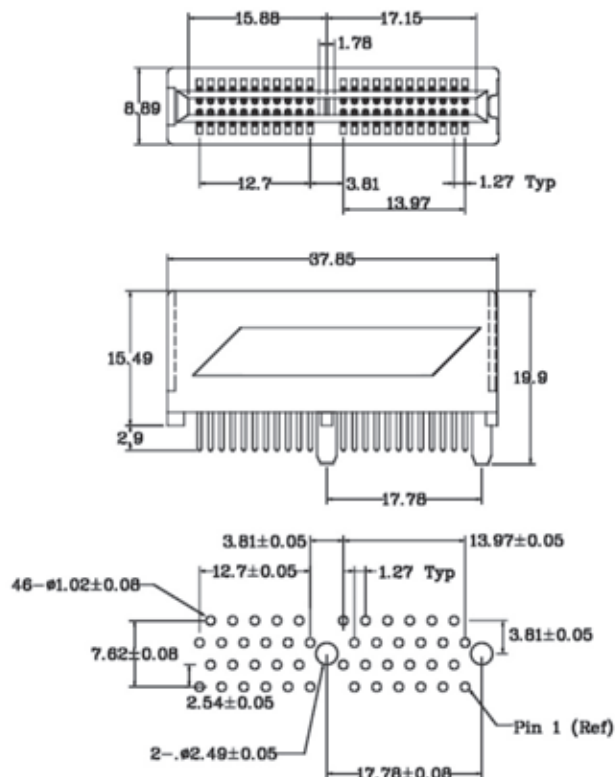
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

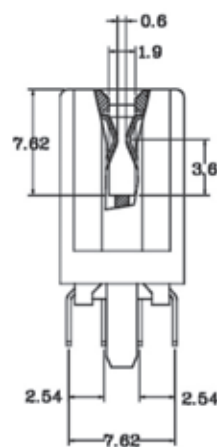
On Solder Tail

Body: High Temperature Thermoplastic
(PPS) (UL 94V-0)

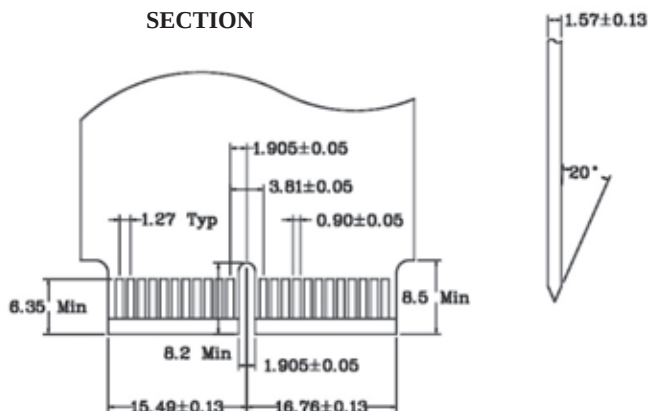
* RoHS & REACH compliant.



Recommended P.C.Board Layout



SECTION



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 3 4 - $\frac{0}{1}$ $\frac{4}{2}$ $\frac{6}{3}$ S C X X

1. NO. OF CONTACTS:

046

2. HOUSING COLOR:

"C" BROWN

3. CONTACT FINISH:

"01" GOLD FLASH

"05" 5 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.27MM PCI 50 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000M Ω Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20m Ω Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

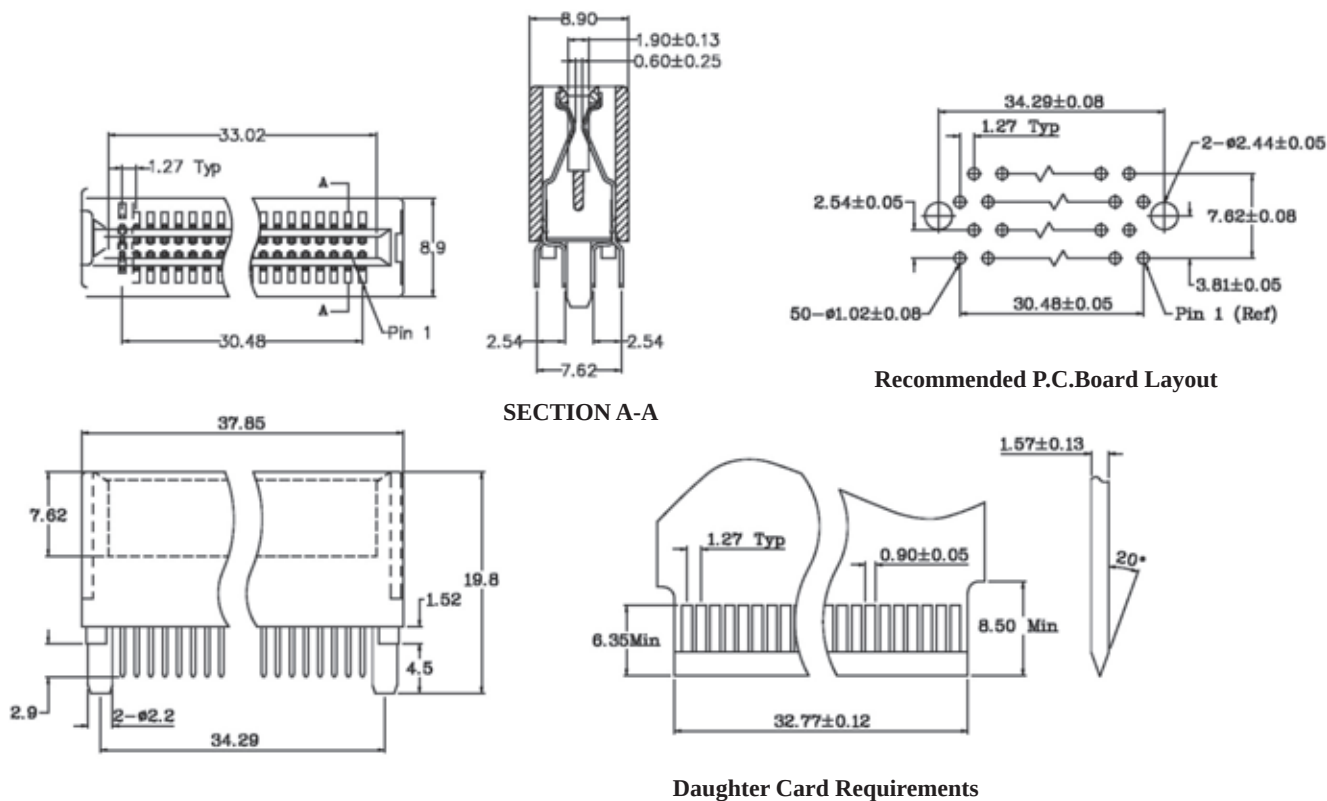
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

On Solder Tail

Body: Polyphenylen Sulfide (UL 94V-0)

* RoHS & REACH compliant.



ORDERING INFORMATION:

P/N 1 2 P 0 1 - $\frac{050}{1}$ S $\frac{C}{2}$ $\frac{XX}{3}$

1. NO. OF CONTACTS:

050

2. HOUSING COLOR:

"C" BROWN

3. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.27MM PCI 60 PIN SLOT SOCKET STRAIGHT DIP TYPE WITHOUT POST

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: PPS

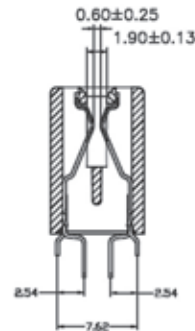
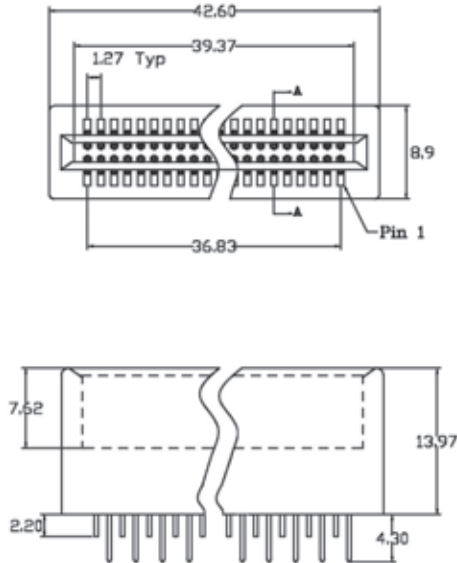
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

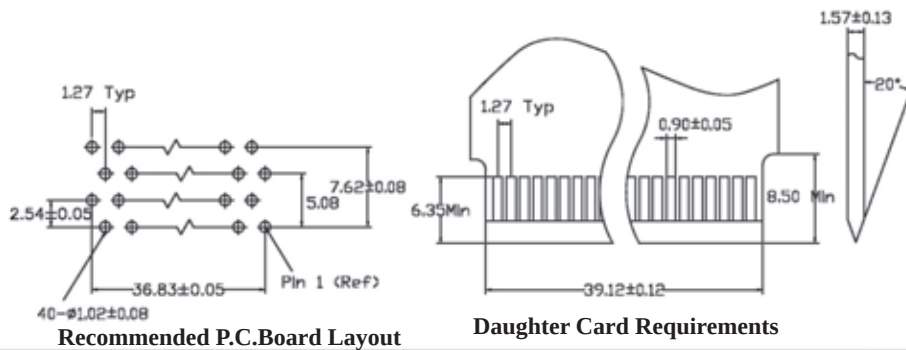
On Solder Tail

Insulator: LCP (UL 94V-0)

*** RoHS & REACH compliant.**



SECTION A-A



Recommended P.C. Board Layout

Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P14 - 0 6 0 S B x x
1 2 3 4

1. SLOT TYPE:
"P14" 2 ROW'S FEET TRUNCATED 2.20MM
2. NO. OF CONTACTS:
060
3. HOUSING COLOR:
"B" BLACK
4. CONTACT FINISH:
"01" GOLD FLASH
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"20" 20 MICROINCH GOLD
"30" 30 MICROINCH GOLD

1.27MM PCI 60 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

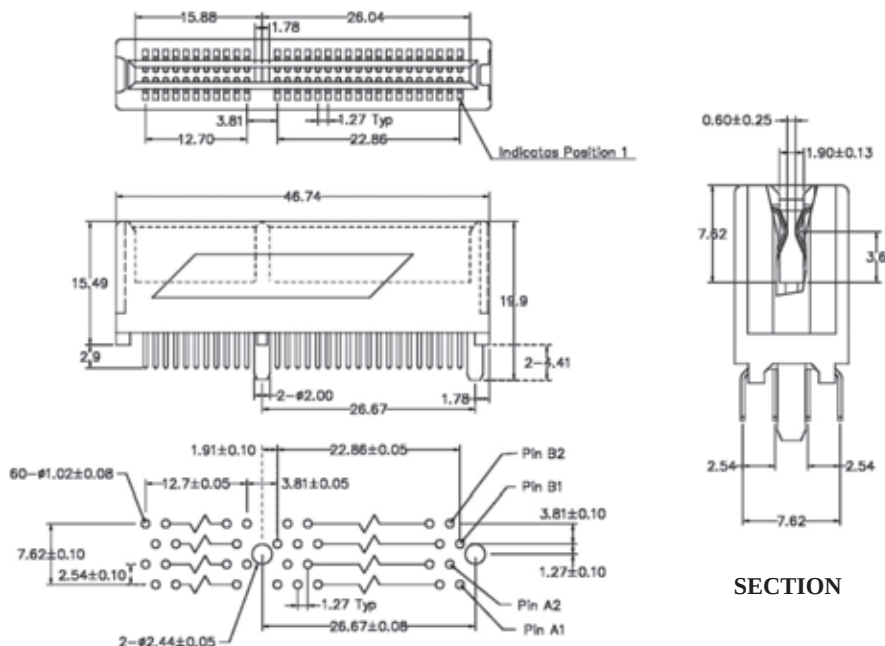
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

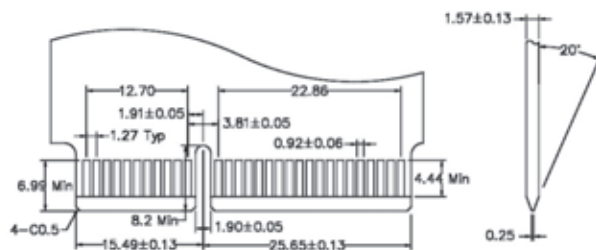
On Solder Tail

Body: PPS or Nylon66 or Nylon46
(UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C.Board Layout



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 3 4 - $\frac{060}{1} S \times \frac{01}{2} \frac{3}{3}$

1. NO. OF CONTACTS:

060

2. HOUSING COLOR:

"B" BLACK

"C" BROWN

"W" WHITE

3. CONTACT FINISH:

"01" GOLD FLASH

1.27MM PCI 60 PIN SLOT SOCKET SMT TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

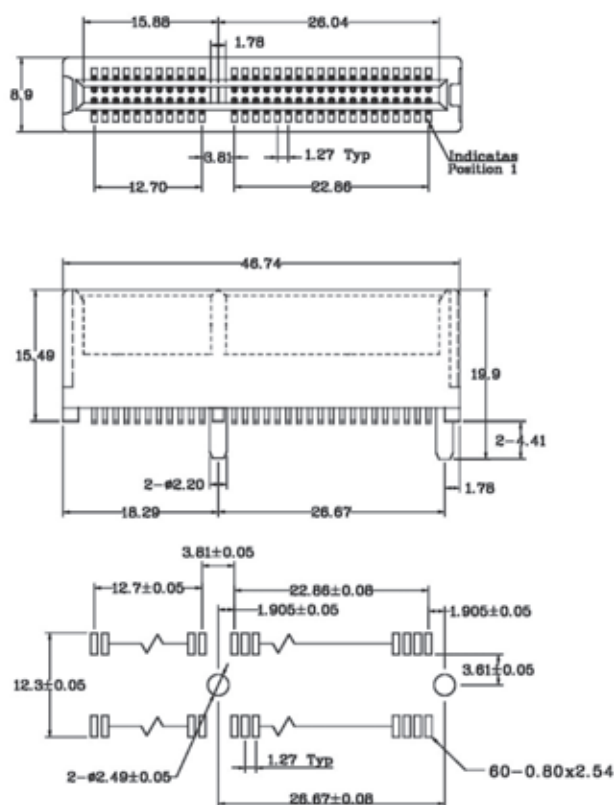
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

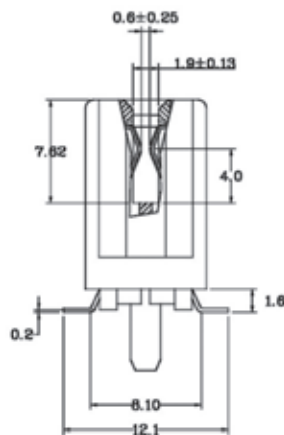
On Solder Tail

Body: High Temperature Thermoplastic
(PPS) (UL 94V-0)

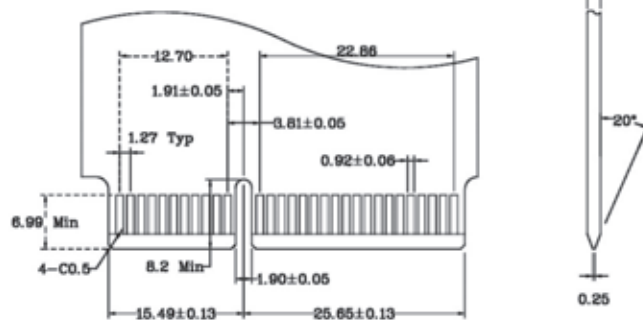
* RoHS & REACH compliant.



Recommended P.C.Board Layout



SECTION



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 4 0 - $\frac{060}{1}$ S $\frac{x}{2}$ $\frac{x}{3}$

1. NO. OF CONTACTS:

060

2. HOUSING COLOR:

"B" BLACK

"C" BROWN

3. CONTACT FINISH:

"01" GOLD FLASH

"05" 5 MICROINCH GOLD

1.27MM LOW PROFILE PCI 60 & 68 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH PLASTIC POSTS

SPECIFICATIONS

Rating Current: 0.5 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Phosphor Bronze

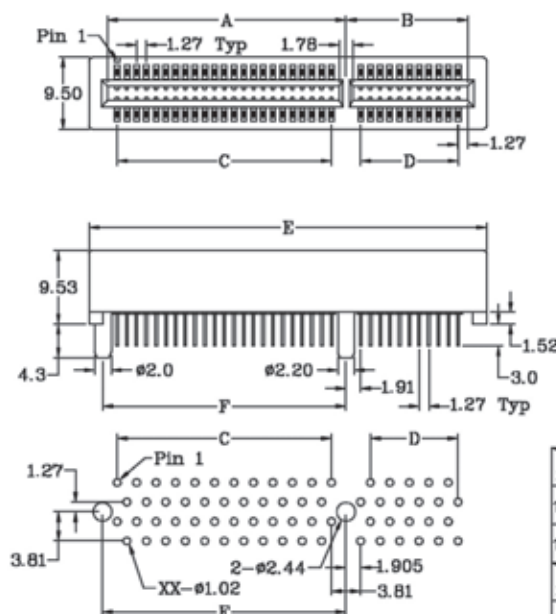
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

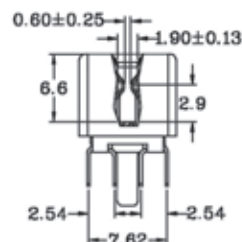
On Solder Tail

Body: PPS & Nylon66 (UL 94V-0)

* RoHS & REACH compliant.



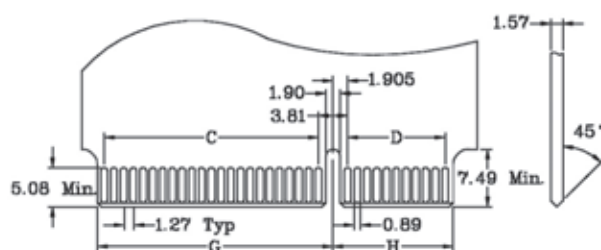
Recommended P.C.Board Layout



SECTION

Units: mm

Pin No.	A	B	C	D
12P41-060	25.85	15.88	22.86	12.70
12P41-068	31.12	15.88	27.94	12.70
Pin No.	E	F	G	H
12P41-060	46.61	26.67	25.65	15.49
12P41-068	51.88	31.75	30.73	15.49



Daughter Card Requirements

ORDERING INFORMATION:

P/N 12 P 4 1 - XX S XX XX
 1 2 3

1. NO. OF CONTACTS:

060, 068

2. HOUSING COLOR:

"C" BROWN

"W" WHITE

"N" GREEN

3. CONTACT FINISH:

"01" GOLD FLASH

"05" 5 MICROINCH GOLD

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.27MM PCI 80 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

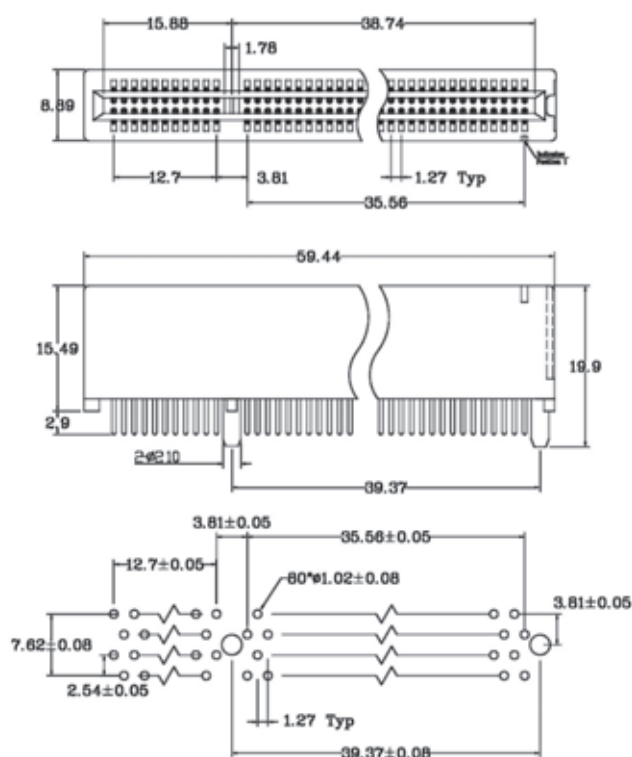
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

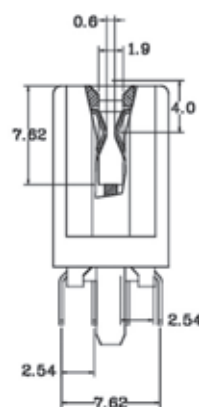
On Solder Tail

Body: Polyphenylene Sulfide (UL 94V-0)

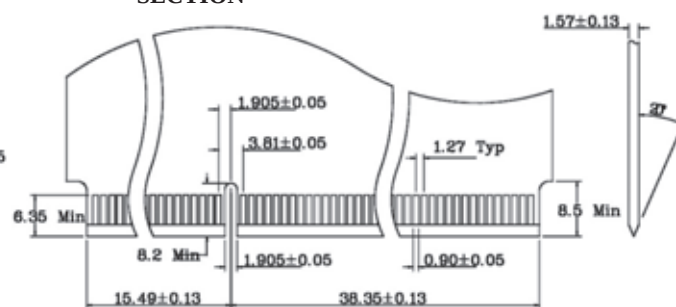
* RoHS & REACH compliant.



Recommended P.C. Board Layout



SECTION



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 3 4 - 0 8 0 S C X X
1 2 3

1. NO. OF CONTACTS:

080

2. HOUSING COLOR:

"C" BROWN

3. CONTACT FINISH:

"01" GOLD FLASH

"30" 30 MICROINCH GOLD

1.27MM PCI 80 PIN SLOT SOCKET SMT TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000M Ω Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20m Ω Max.

Operating Temperature: -55°C to +105°C

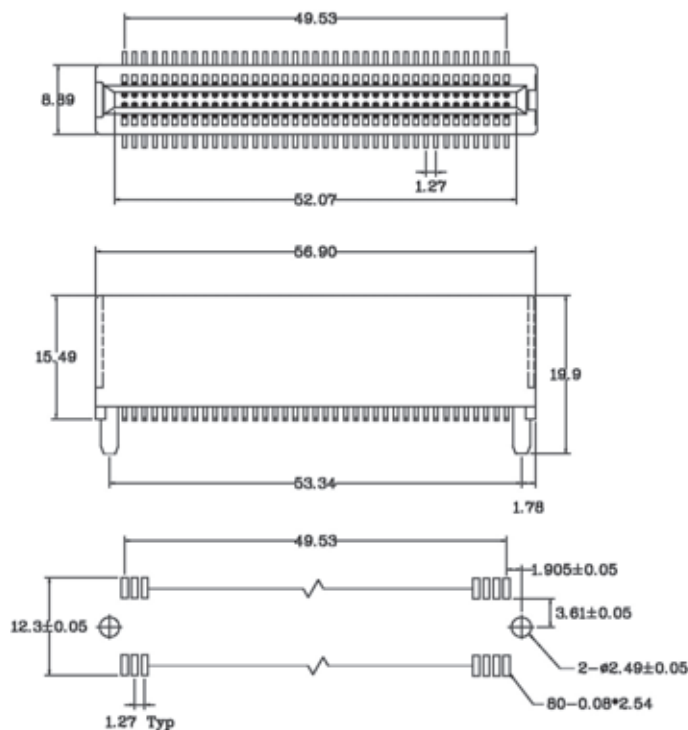
MATERIALS

Contacts: Copper Alloy

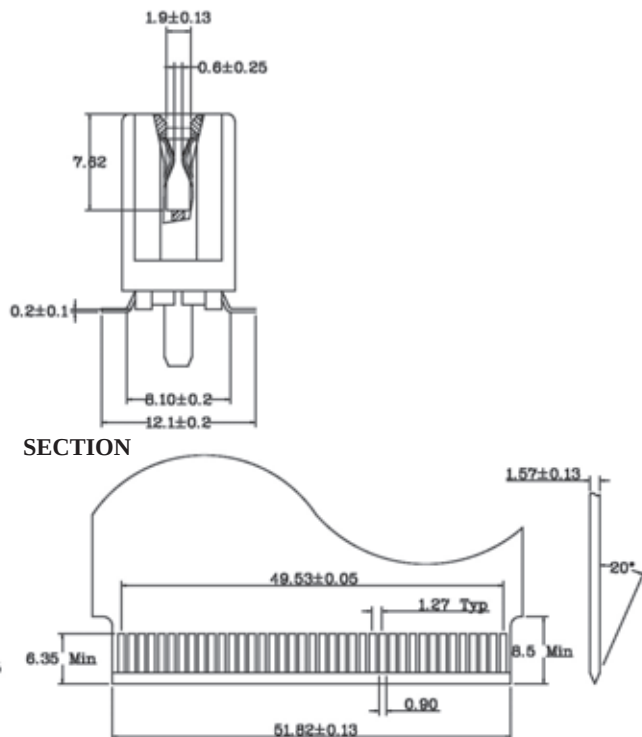
Contact Plating: Gold Plating Over Nickel
On Contact Area Tin Plating
On Solder Tail

Body: PPS (UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C.Board Layout



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 3 9 - 0 8 0 S C X X
 1 2 3

1. NO. OF CONTACTS:

080

2. HOUSING COLOR:

"C" BROWN

3. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.27MM PCI 112 PIN SLOT SOCKET 3.3V STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Phosphor Bronze

Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

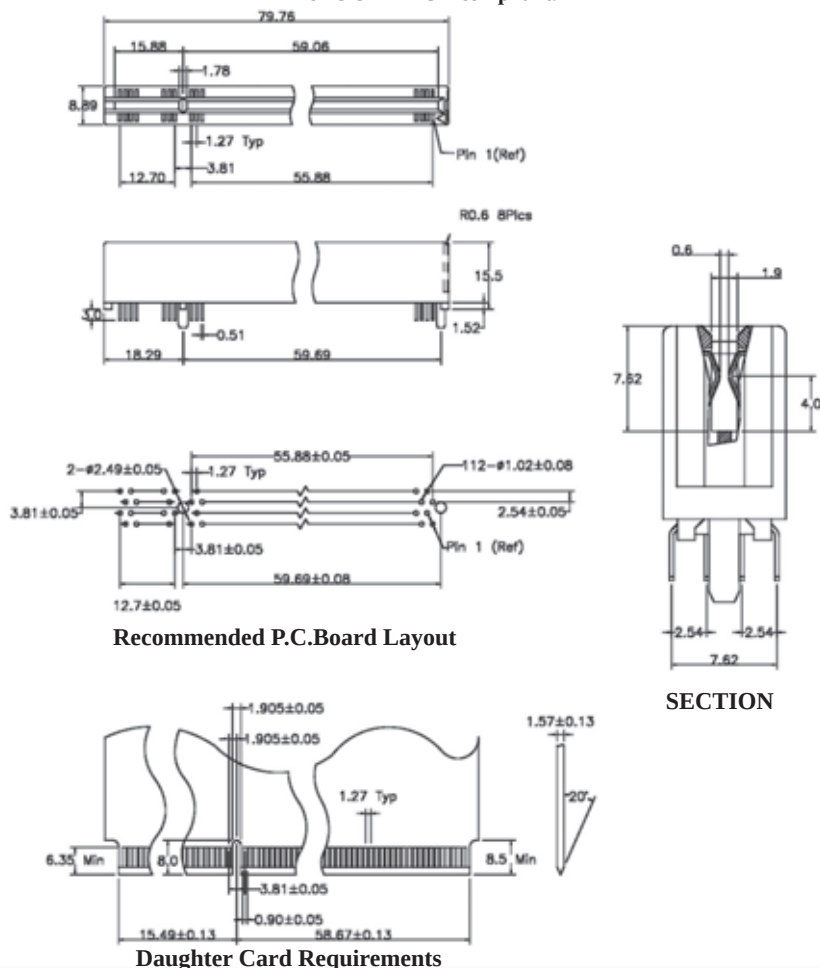
On Solder Tail

Body: Polyphenylene Sulfide (PPS) or

High Temperature Thermoplastic (Nylon46)

(UL 94V-0)

* RoHS & REACH compliant.



ORDERING INFORMATION:

P/N 1 2 P 3 4 - $\frac{112}{1} S \times \frac{01}{2 \frac{3}}$

1. NO. OF CONTACTS:

112

2. HOUSING COLOR:

"C" BROWN

"W" WHITE

3. CONTACT FINISH:

"01" GOLD FLASH

1.27MM PCI 120 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH METAL POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

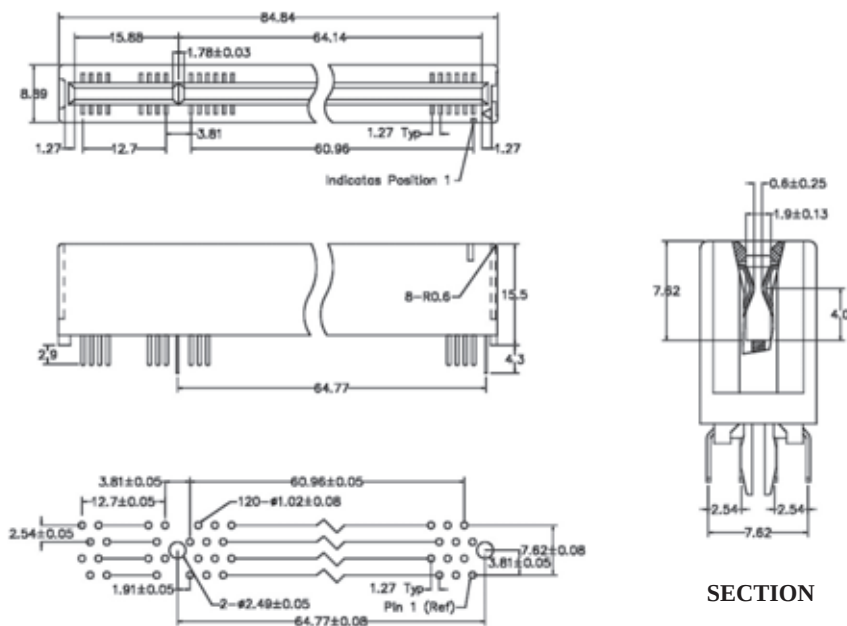
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

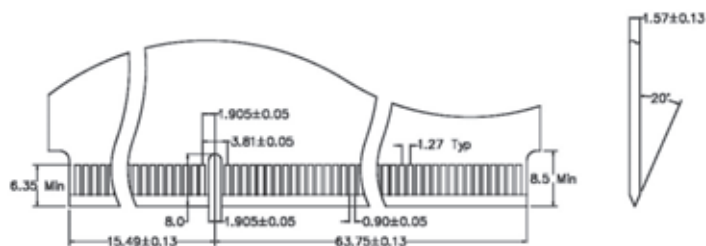
On Solder Tail

Body: Polybutylene Terephthalate
(UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C.Board Layout



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 1 8 - $\frac{120}{1}$ S $\frac{W}{2}$ $\frac{01}{3}$

1. NO. OF CONTACTS:
120

2. HOUSING COLOR:
"W" WHITE

3. CONTACT FINISH:
"01" GOLD FLASH

1.27MM PCI 120 PIN SLOT SOCKET STRAIGHT DIP TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

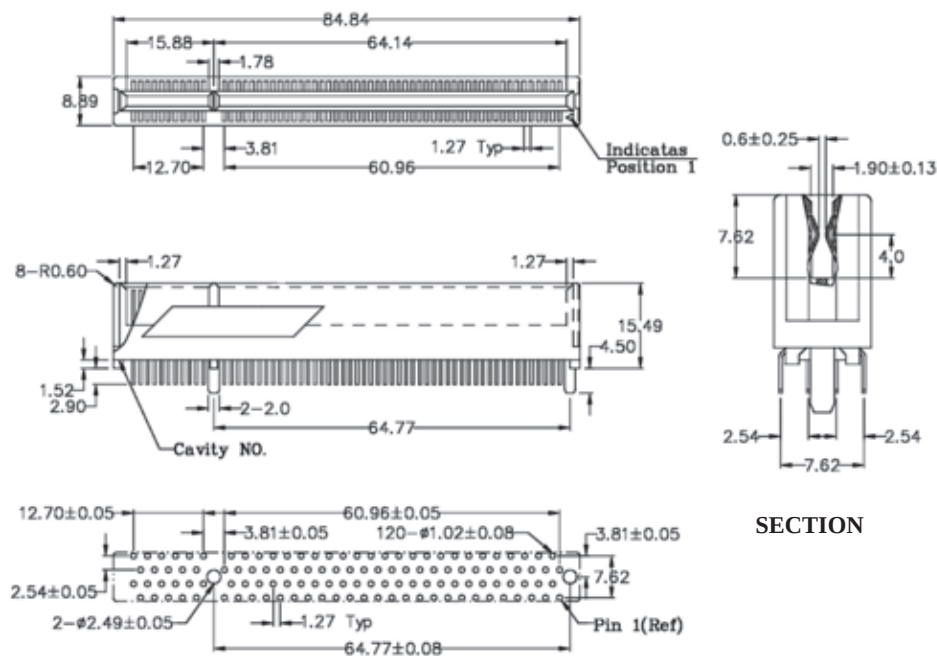
MATERIALS

Contacts: Copper Alloy

Contact Plating: Gold Plating Over Nickel
On Contact Area Tin Plating
On Solder Tail

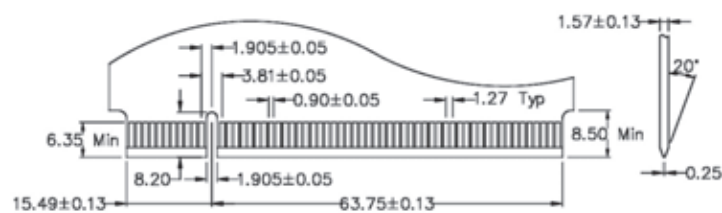
Body: High Temperature Thermoplastic
(Nylon) (UL 94V-0)

* RoHS & REACH compliant.



SECTION

Recommended P.C.Board Layout



Daughter Card Requirements

ORDERING INFORMATION:

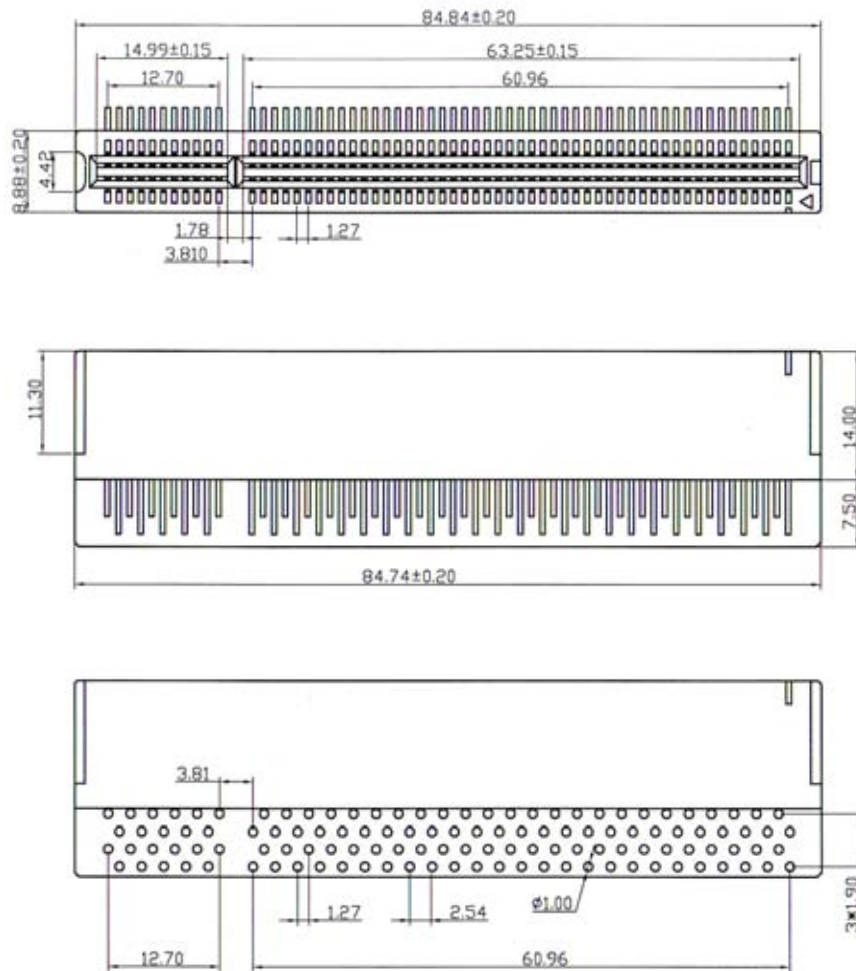
P/N 1 2 P 3 4 - $\frac{120}{1}$ S $\frac{x}{2}$ $\frac{x}{3}$

1. NO. OF CONTACTS:
120

2. HOUSING COLOR:
"B" BLACK
"C" BROWN
"W" WHITE
"N" GREEN

3. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

1.27MM PCI 120 PIN SLOT SOCKET 3.3V RIGHT ANGLE CONTINUOUS-PIN TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 250V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

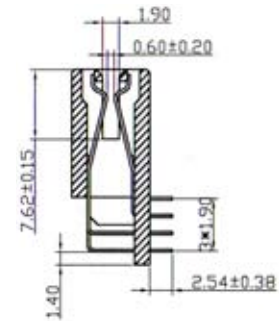
Operating Temperature: -55°C to + 85°C

MATERIALS

Housing: Nylon 66, UL94V-0

Contact Material: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 P 1 2 - $\frac{120}{1} \frac{x}{2} \frac{x}{3} \frac{x}{4}$

1. NO. OF CONTACTS:

120

2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

"G" FULL GOLD PLATED

3. INSULATOR COLOR:

"B" BLACK

"C" BROWN

"N" GREEN

"U" BLUE

"P" PURPLE

"W" WHITE

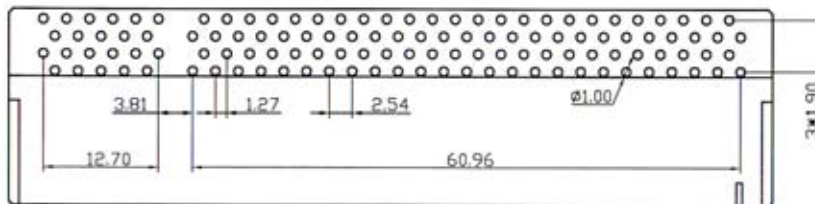
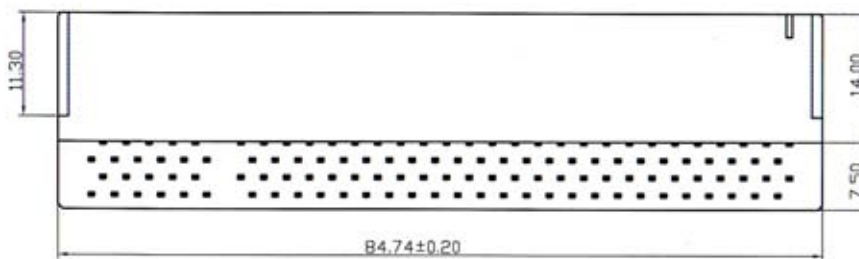
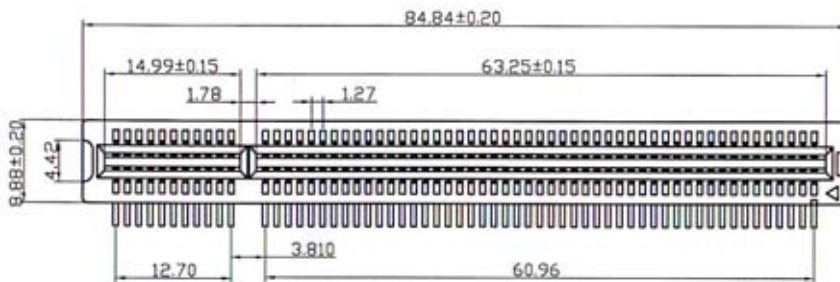
"Y" YELLOW

"T" VIOLETT

4. GOLD PLATED THICKNESS:

"01" GOLD FLASH

1.27MM PCI 120 PIN SLOT SOCKET 5.0V RIGHT ANGLE CONTINUOUS-PIN TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 250V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

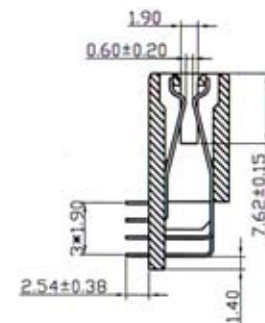
Operating Temperature: -55°C to + 85°C

MATERIALS

Housing: Nylon 66, UL94V-0

Contact Material: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 P 1 1 - $\frac{1}{1}$ $\frac{2}{2}$ $\frac{0}{3}$ $\frac{x}{4}$ $\frac{x}{x}$ $\frac{x}{x}$ $\frac{x}{x}$

1. NO. OF CONTACTS:
120

2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
"G" FULL GOLD PLATED
"T" FULL TIN PLATED

3. INSULATOR COLOR:

"B" BLACK
"C" BROWN
"N" GREEN
"U" BLUE
"P" PURPLE
"W" WHITE
"Y" YELLOW
"T" VIOLETT

4. GOLD PLATED THICKNESS:
"01" GOLD FLASH

1.27MM PCI 120 PIN SLOT SOCKET SMT TYPE WITH METAL POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

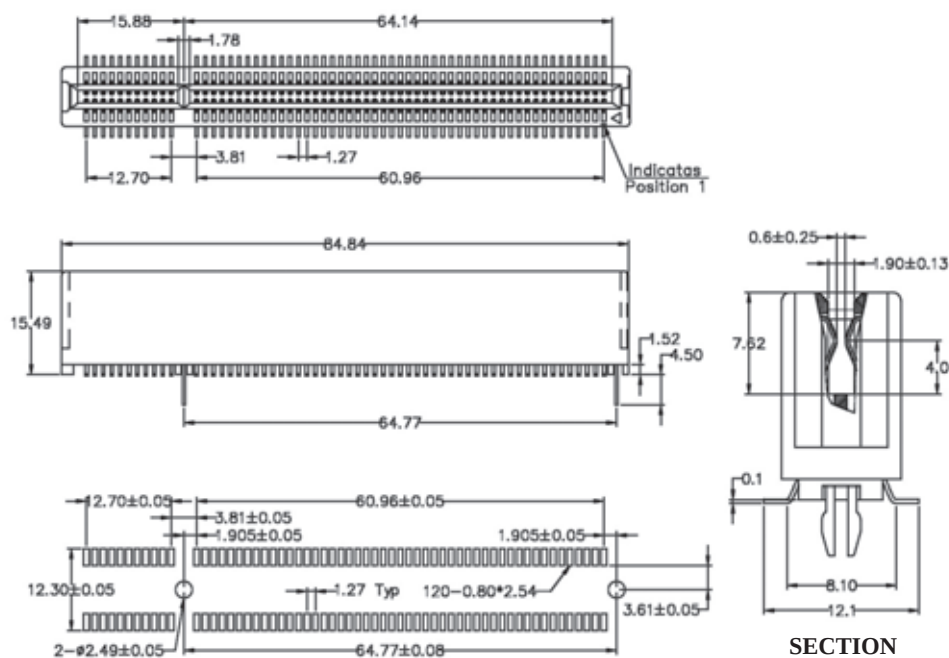
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

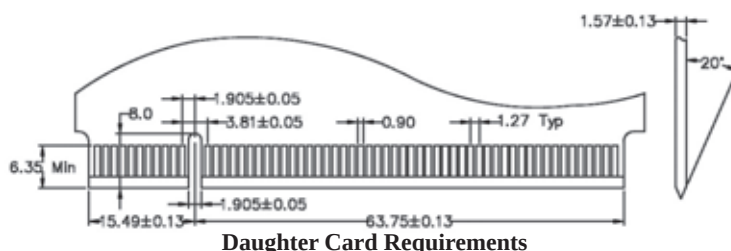
On Solder Tail

Body: PPS (UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C.Board Layout



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 4 2 - $\frac{120}{1}$ S $\frac{W}{2}$ $\frac{XX}{3}$

1. NO. OF CONTACTS:

120

2. HOUSING COLOR:

"W" WHITE

3. CONTACT FINISH:

"01" GOLD FLASH

"05" 5 MICROINCH GOLD

"10" 10 MICROINCH GOLD

1.27MM PCI 120 PIN SLOT SOCKET SMT TYPE WITH POSTS

SPECIFICATIONS

Rating Current: 1 Amp

Insulation Resistance: 1000MΩ Min.

Operation Voltage: 125 VAC Max.

Contact Resistance: 20mΩ Max.

Operating Temperature: -55°C to +105°C

MATERIALS

Contacts: Copper Alloy

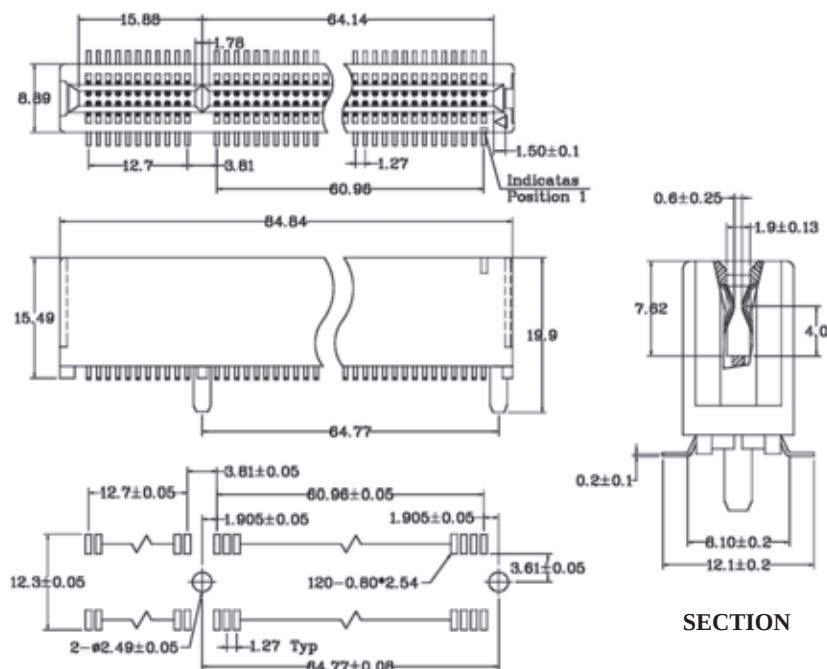
Contact Plating: Gold Plating Over Nickel

On Contact Area Tin Plating

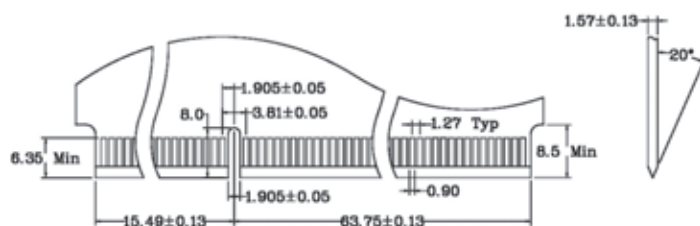
On Solder Tail

Body: PPS (UL 94V-0)

* RoHS & REACH compliant.



Recommended P.C.Board Layout



Daughter Card Requirements

ORDERING INFORMATION:

P/N 1 2 P 4 0 - $\frac{120}{1}$ S $\frac{x}{2}$ $\frac{x}{3}$

1. NO. OF CONTACTS:

120

2. HOUSING COLOR:

"C" BROWN

"W" WHITE

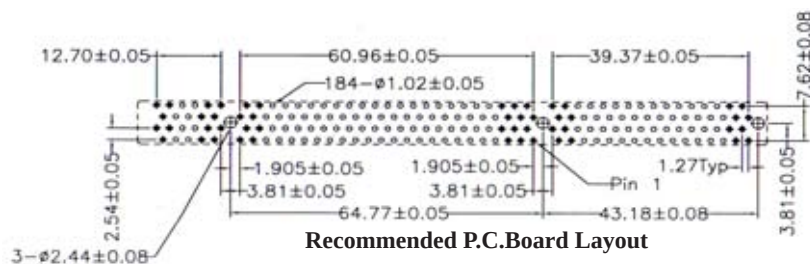
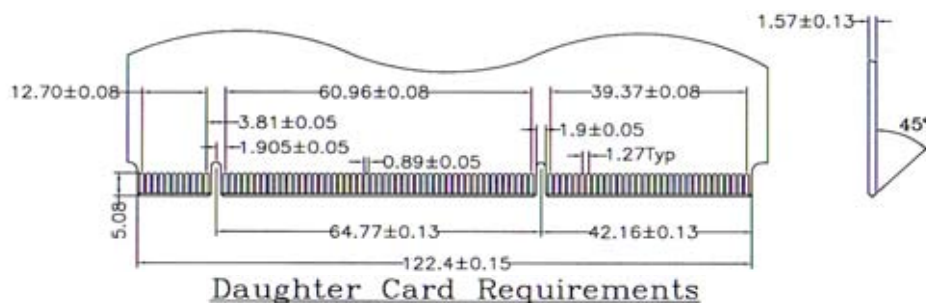
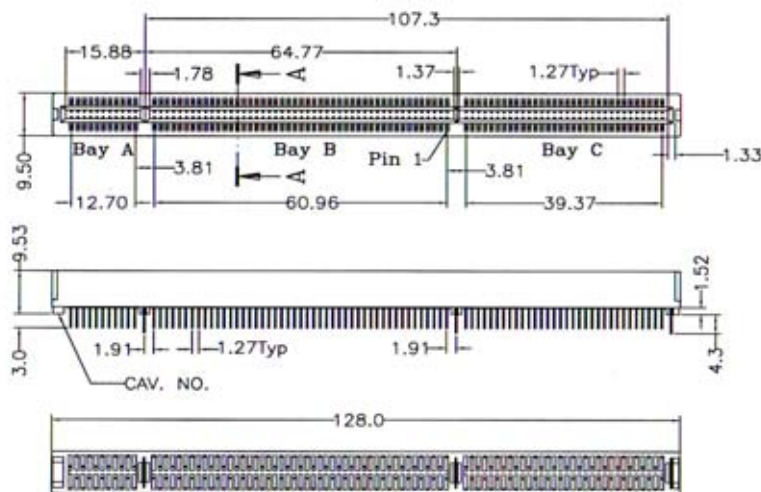
3. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

1.27MM LOW PROFILE PCI 184 PIN TRIPLE CARD SLOT SOCKET 3.3V WITH METAL POSTS



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

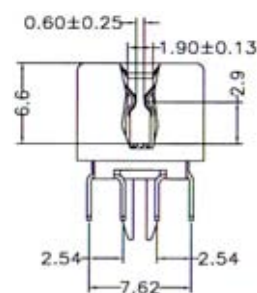
Operating Temperature: -55°C to + 105°C

MATERIALS

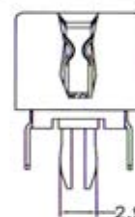
Housing: PPS, UL94V-0

Contact Phosphor Bronze

All materials must be RoHS compliant.



Sect A-A

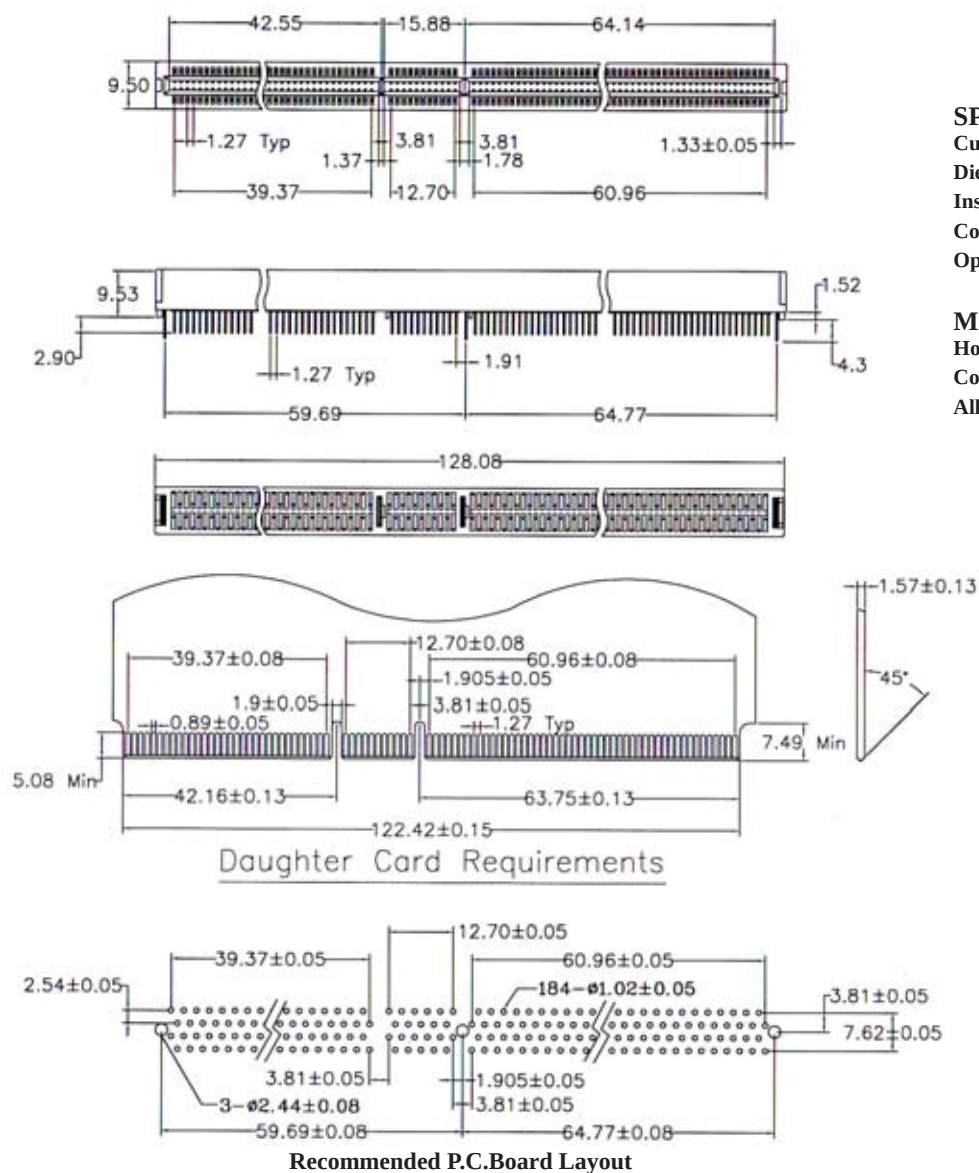


ORDERING INFORMATION:

P/N 1 2 P 1 8 - $\frac{184}{1} \frac{S}{2} \frac{x}{3} \frac{x}{4}$

1. NO. OF CONTACTS:
184
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"C" BROWN
"N" GREEN
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD

1.27MM LOW PROFILE PCI 184 PIN TRIPLE CARD SLOT SOCKET 5.0V WITH METAL POSTS



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstanding: 500V AC

Insulation Resistance: 1000MΩ Min

Contact Resistance: 30mΩ Max.

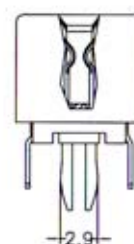
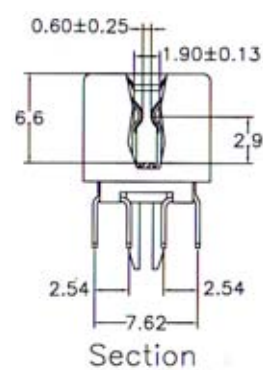
Operating Temperature: -55°C to + 105°C

MATERIALS

Housing: Nylon 66, UL94V-0

Contact Phosphor Bronze

All materials must be RoHS compliant.

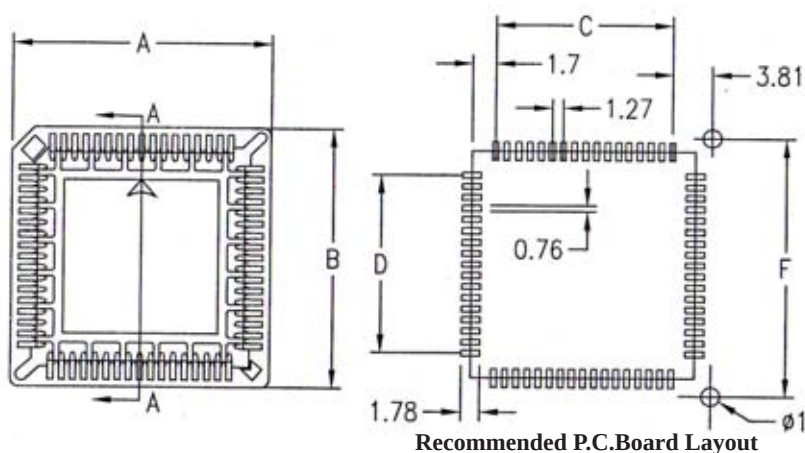


ORDERING INFORMATION:

P/N 12 P19 - 184 S x x x
1 2 3 4

1. NO. OF CONTACTS:
184
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"W" WHITE
4. GOLD PLATED THICKNESS:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD

1.27MM PLCC SOCKET SMT TYPE WITH LOCATING PEG



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

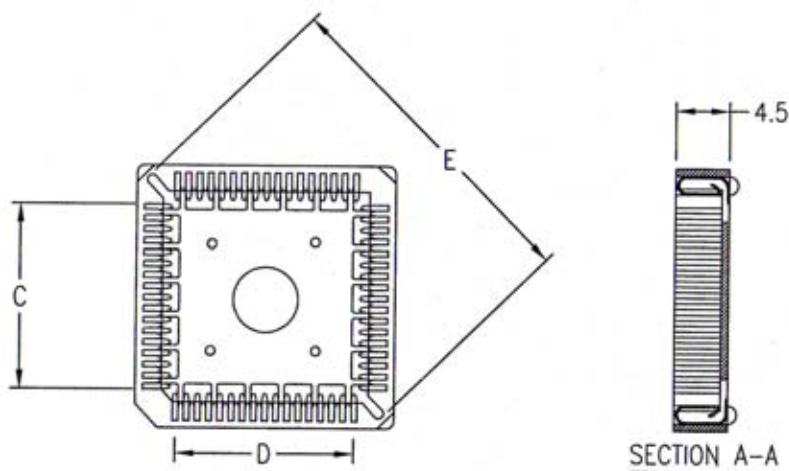
Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
PPS

Contacts: Copper Alloy

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)					
	A±0.2	B±0.2	C±0.2	D±0.2	E±0.2	F±0.2
20	15.24	15.24	5.08	5.08	16.70	12.70
28	17.78	17.78	7.62	7.62	20.30	15.24
32	17.78	20.32	7.62	10.16	22.50	17.78
44	22.86	22.86	12.70	12.70	27.50	20.32
52	25.40	25.40	15.24	15.24	31.10	22.86
68	30.82	30.82	20.32	20.32	38.30	27.94
84	35.90	35.90	25.40	25.40	45.50	33.02

ORDERING INFORMATION:

P/N 1 2 7 C A - $\frac{x x x}{1} \frac{T}{2} \frac{C}{3}$

1. NO. OF CONTACTS:

020, 028, 032, 044, 052, 068, 084

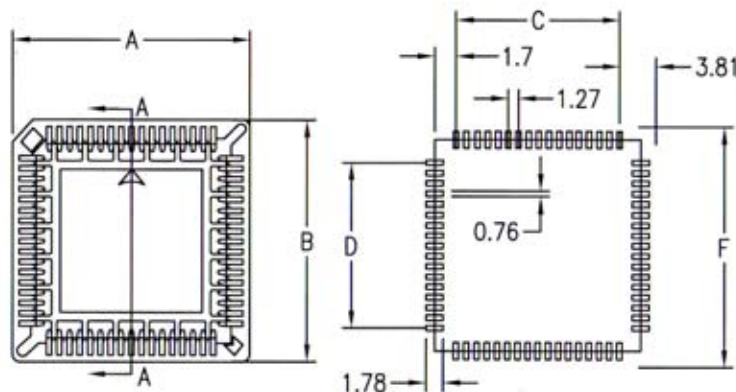
2. CONTACT FINISH:

"T" FULL TIN PLATED

3. INSULATOR COLOR:

"C" BROWN

1.27MM PLCC SOCKET SMT TYPE INSULATOR MATERIAL= PPS



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 260°C

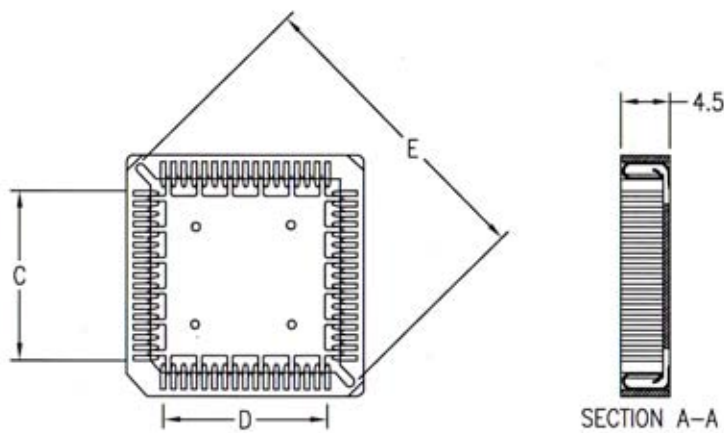
MATERIALS

Insulator: Glass, UL94V-0

PPS

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



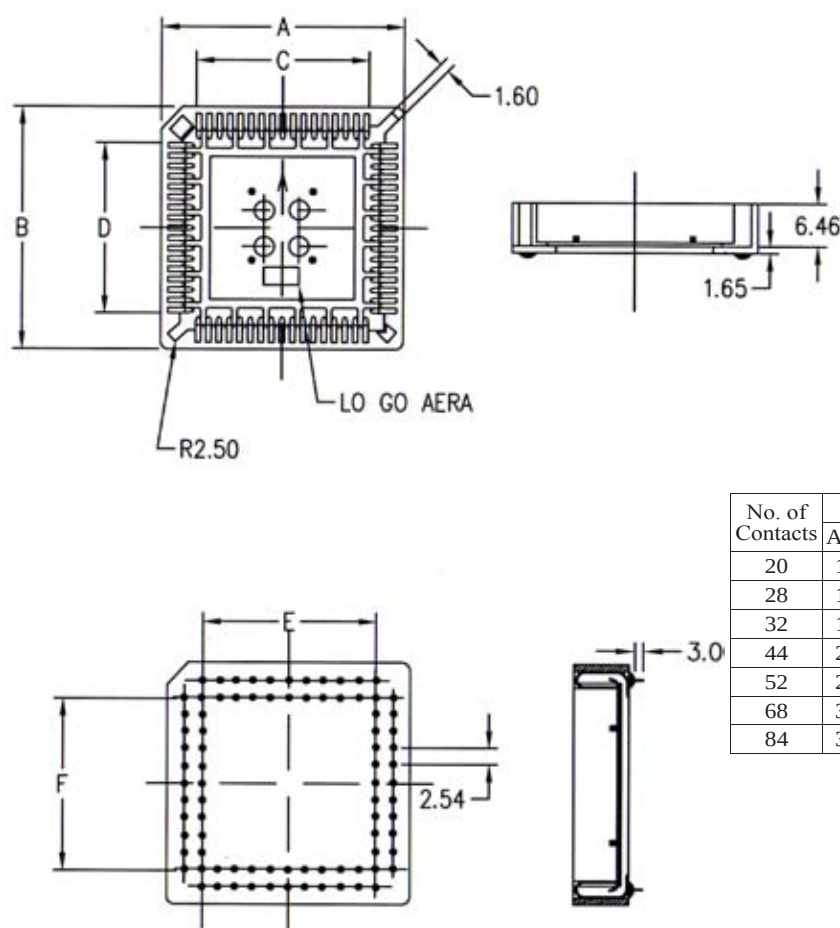
No. of Contacts	Dimensions(mm)					
	A±0.3	B±0.3	C±0.3	D±0.3	E±0.3	F±0.3
20	15.24	15.24	5.08	5.08	16.70	12.70
28	17.78	17.78	7.62	7.62	20.30	15.24
32	17.78	20.32	7.62	10.16	22.50	17.78
44	22.86	22.86	12.70	12.70	27.50	20.32
52	25.40	25.40	15.24	15.24	31.10	22.86
68	30.82	30.82	20.32	20.32	38.30	27.94
84	35.90	35.90	25.40	25.40	45.50	33.02

ORDERING INFORMATION:

P/N 1 2 7 x x - x x x x x - x
1 2 3 4 5

1. LOCATION POST OPTION:
"CB" W/O LOCATION POST
2. NO. OF CONTACTS:
020, 028, 032, 044, 052, 068, 084
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. INSULATOR COLOR:
"C" BROWN (STANDARD)
"B" BLACK (OPTIONAL)
5. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

1.27MM PLCC SOCKET DIP TYPE INSULATOR MATERIAL= PBT



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Glass, UL94V-0

P.B.T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)					
	A±0.15	B±0.15	C±0.15	D±0.15	E±0.15	F±0.15
20	15.50	15.50	5.08	5.08	5.08	5.08
28	18.04	18.04	7.62	7.62	7.62	7.62
32	18.04	20.54	7.62	10.16	7.62	10.16
44	23.48	23.48	12.70	12.70	12.70	12.70
52	25.88	25.88	15.24	15.24	15.24	15.24
68	31.66	31.66	20.32	20.32	20.32	20.32
84	36.66	36.66	25.40	25.40	25.40	25.40

ORDERING INFORMATION:

P/N 1 2 7 C C - $\frac{x x x x}{1} \frac{x}{2}$ B

1. NO. OF CONTACTS:

020, 028, 032, 044, 052, 068, 084

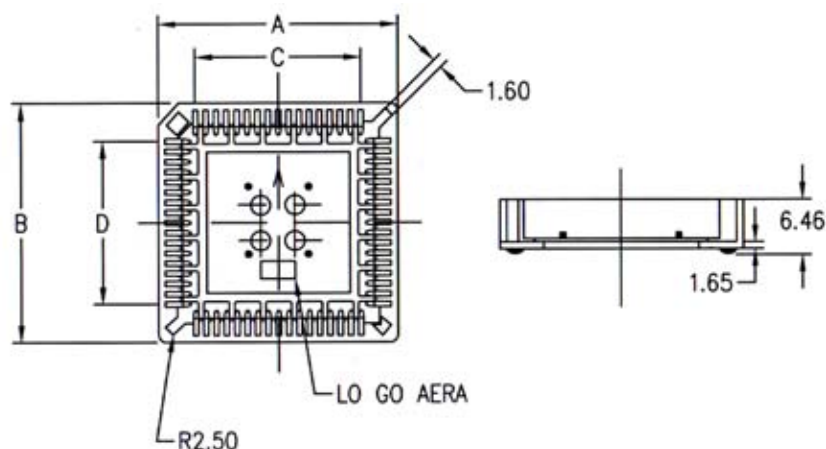
2. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM PLCC SOCKET DIP TYPE INSULATOR MATERIAL= PPS



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to + 105°C

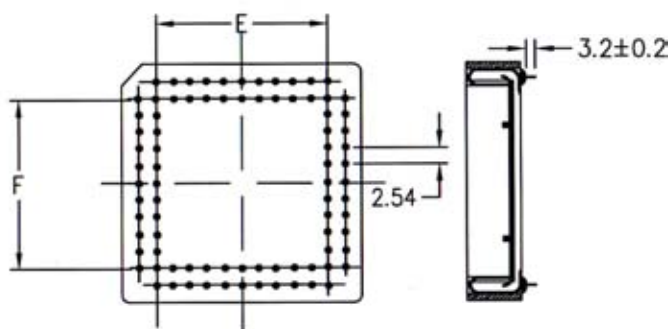
MATERIALS

Insulator: Glass, UL94V-0

PPS

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)					
	A±0.15	B±0.15	C±0.15	D±0.15	E±0.15	F±0.15
20	15.50	15.50	5.08	5.08	5.08	5.08
28	18.04	18.04	7.62	7.62	7.62	7.62
32	18.04	20.54	7.62	10.16	7.62	10.16
44	23.48	23.48	12.70	12.70	12.70	12.70
52	25.88	25.88	15.24	15.24	15.24	15.24
68	31.04	31.04	20.32	20.32	20.32	20.32
84	36.04	36.04	25.40	25.40	25.40	25.40

ORDERING INFORMATION:

P/N 1 2 7 C D - $\frac{x x x}{1} \frac{x}{2} \frac{C}{3}$

1. NO. OF CONTACTS:

020, 028, 032, 044, 052, 068, 084

2. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

3. HOUSING COLOR:

"C" BROWN