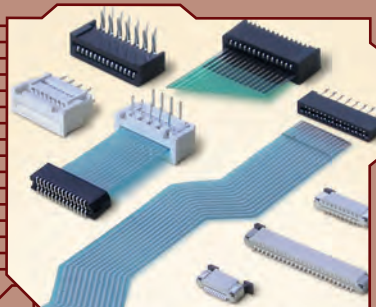
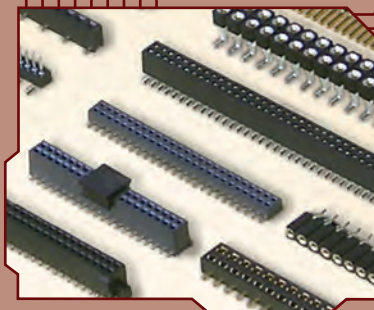


ELITALIA



PCB1

INTERCONNESSIONI PASSO 0,40 ~ 1,778 mm

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NOTE: All relevant materials are complied with RoHS directive.

Technical information are subject to change without notice.

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ORDERING INFORMATION

ORDERING INFORMATION FOR STANDARD PRODUCTS:

FOR EXAMPLE: P/N $\frac{200}{1} \frac{xx}{2} - \frac{044}{3} \frac{x}{4} \frac{B}{5} - \frac{x}{6}$

1. CONTACT SPACING:

"040" 0.40MM
"050" 0.50MM
"080" 0.80MM
"100" 1.00MM
"125" 1.25MM
"127" 1.27MM
"12A" 1.27MM
"12B" 1.27MM
"12C" 1.27MM
"150" 1.50MM
"178" 1.778MM

2. CONNECTOR TYPE:

AA, AB, AC,....., ZX, ZY, ZZ
01, 02, 03,.....97, 98, 99
A1, A2, A3,....., Z7, Z8, Z9
1A, 1B, 1C,....., 9X, 9Y, 9Z

3. NO. OF CONTACTS:

001 through 999

4. CONTACT FINISH OR OTHERS:

"G" FULL GOLD PLATEF
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED
"H" HOUSING

5. INSULATOR COLOR OR OTHERS:

"A" GRAY "U" BLUE
"B" BLACK "V" IVORY
"C" BROWN "W" WHITE
"N" GREEN "Y" YELLOW
"R" RED

6. PAD, FILM & PACKAGE OPTION(IF ANY):

"0" BULK PACKAGE
"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
"C" WITH PAD IN TRAY(BOX)(BAG)

ORDERING INFORMATION FOR SPECIAL PRODUCTS:

FOR CUSTOMER'S DESIGNED PCB CONNECTORS

P/N $P \frac{xx}{yy} \frac{xx}{mm} \frac{xx}{dd} \frac{xx}{1} - \frac{xx}{2} \frac{xx}{3} \frac{xx}{4} \frac{B}{4}$

CHRONOLOGICAL CODE:

YY: YEAR
MM: MONTH
DD: DAY

1. TERMINAL CODE:

A, B, C, D,....., Y, Z

2. NO. OF CONTACTS:

001 through 999

3. CONTACT FINISH:

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

4. INSULATOR COLOR:

"B" BLACK (STANDARD)

FOR EXAMPLE:

P070806A-016GB

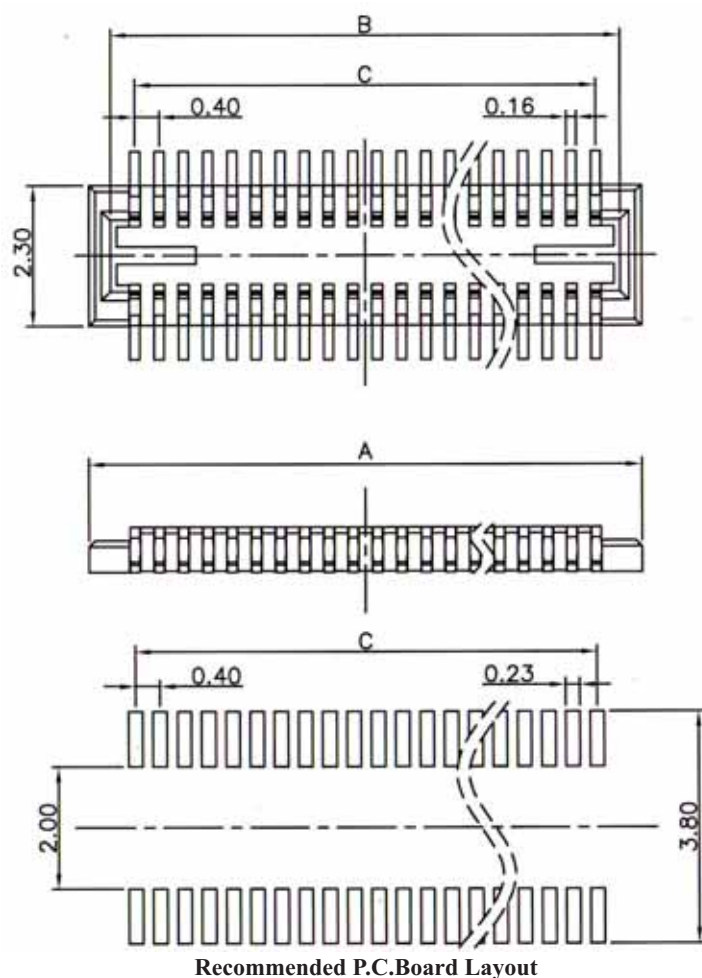
P070806B-024SB

P070806C-008TB

P070820A-003SB

P070820F-026GB

0.40MM (0.016") BOARD-TO-BOARD SMT SOCKET STACKED HEIGHT=0.90MM (A1)



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 100V For 1 minute

Insulator Resistance: 50MΩ min. at DC 100V

Contact Resistance: 60mΩ Max. at AC 1mA

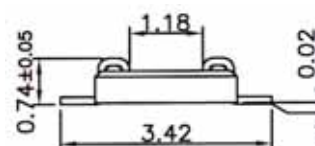
Operating Temperature: -55°C to + 85°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



DIMENSIONS:

$A = 0.40 \times \text{No. of Positions} / 2 + 1.10$

$B = 0.40 \times \text{No. of Positions} / 2 + 0.40$

$C = 0.40 \times \text{No. of Positions} / 2 - 0.40$

ORDERING INFORMATION:

P/N 040 $\frac{xx}{1} - \frac{xxx}{2} \frac{G}{3} B - \frac{x}{4}$

1. CONNECTOR TYPE:

"F1" FEMALE (SOCKET)

2. NO. OF CONTACTS:

010 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE OPTION:

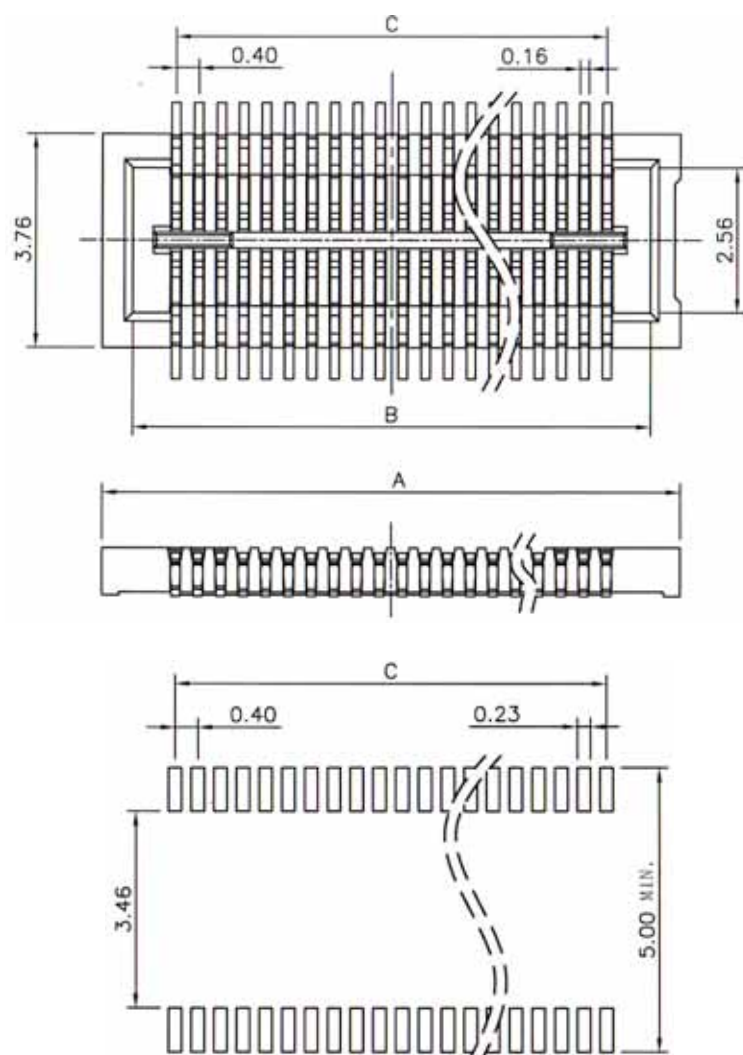
"R" W/O PAD IN TAPE & REEL

"0" BULK PACKAGE

NOTE: THE STACKED HEIGHT OF

040F1 & 040M1 IS 0.90MM

0.40MM (0.016") BOARD-TO-BOARD SMT PLUG STACKED HEIGHT=0.90MM (A2)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 100V For 1 minute

Insulator Resistance: 50MΩ min. at DC 100V

Contact Resistance: 60mΩ Max. at AC 1mA

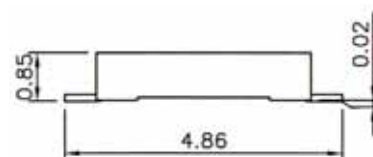
Operating Temperature: -55°C to +85°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



DIMENSIONS:

A = 0.40 x No. of Positions / 2 + 2.22

B = 0.40 x No. of Positions / 2 + 1.15

C = 0.40 x No. of Positions / 2 - 0.40

ORDERING INFORMATION:

P/N 040 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:

"M1" MALE (PLUG)

2. NO. OF CONTACTS:

010 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE OPTION:

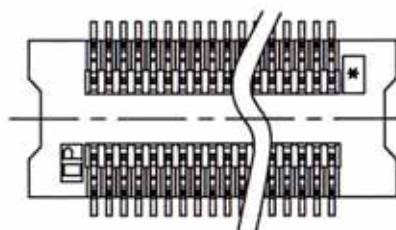
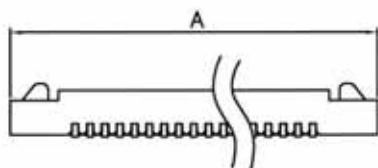
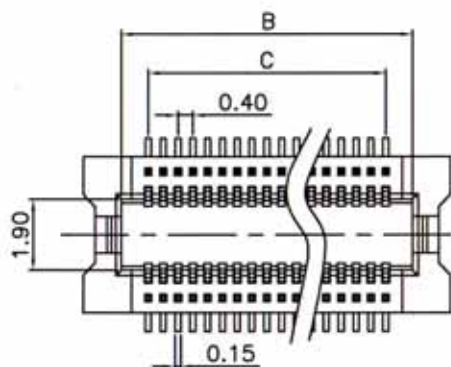
"R" W/O PAD IN TAPE & REEL

"0" BULK PACKAGE

NOTE: THE STACKED HEIGHT OF

040F1 & 040M1 IS 0.90MM

0.40MM (0.016") BOARD-TO-BOARD SMT SOCKET STACKED HEIGHT=1.50MM (B1)



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 100V For 1 minute

Insulator Resistance: 50MΩ min. at DC 100V

Contact Resistance: 60mΩ Max. at AC 1mA

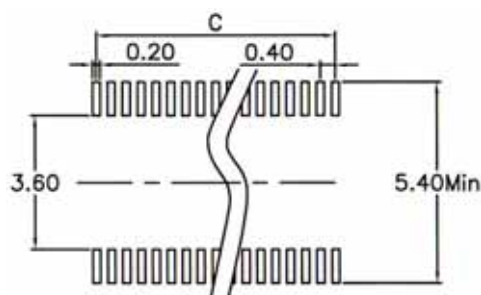
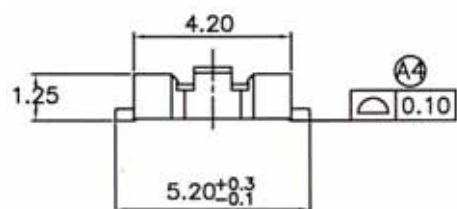
Operating Temperature: -55°C to + 85°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout

DIMENSIONS:

A = 0.40 x No. of Positions / 2 + 3.10

B = 0.40 x No. of Positions / 2 + 0.95

C = 0.40 x No. of Positions / 2 - 0.40

ORDERING INFORMATION:

P/N 040 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:

"F2" FEMALE (SOCKET)

2. NO. OF CONTACTS:

010 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE OPTION:

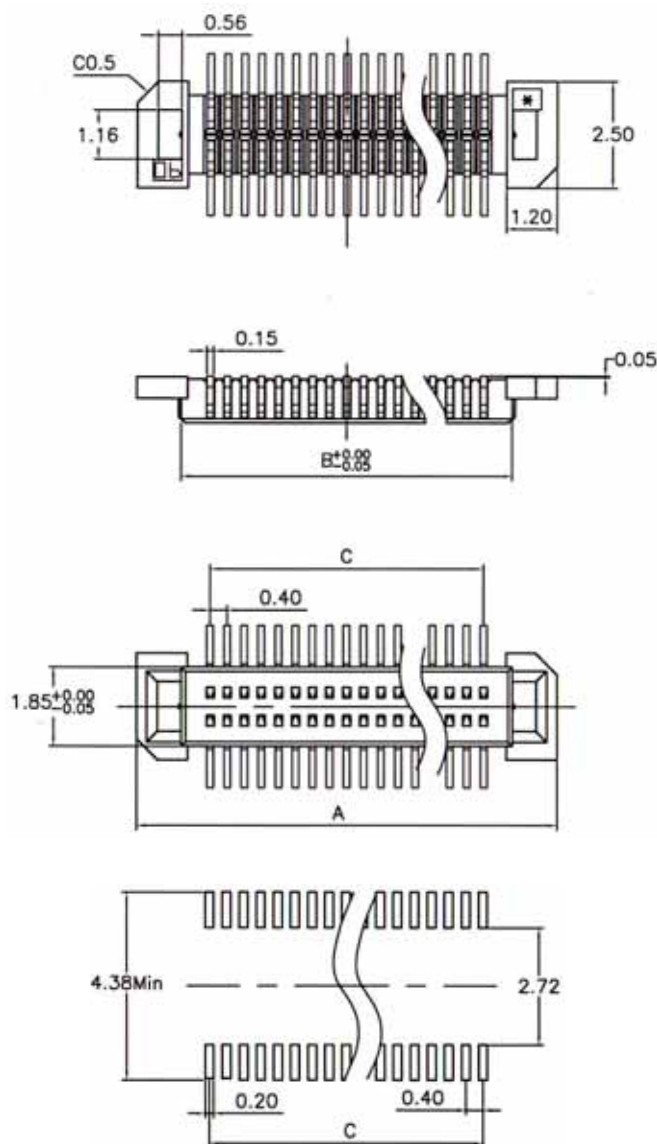
"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF

040F2 & 040M2 IS 1.50MM

0.40MM (0.016") BOARD-TO-BOARD SMT PLUG STACKED HEIGHT=1.50MM (B2)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 100V For 1 minute

Insulator Resistance: 50MΩ min. at DC 100V

Contact Resistance: 60mΩ Max. at AC 1mA

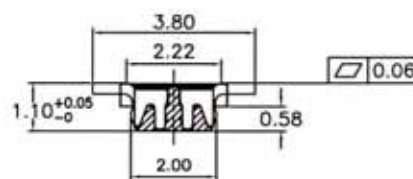
Operating Temperature: -55°C to + 85°C

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	5.10	2.95	1.60
12	5.50	3.35	2.00
14	5.90	3.75	2.40
16	6.30	4.15	2.80
20	7.10	4.95	3.60
22	7.50	5.35	4.00
24	7.90	5.75	4.40
26	8.30	6.15	4.80
30	9.10	6.95	5.60
34	9.90	7.75	6.40
40	11.10	8.95	7.60
50	13.10	10.95	9.60
60	15.10	12.95	11.60
70	17.10	14.95	13.60
72	17.50	15.35	14.00
80	19.10	16.95	15.60
90	21.10	18.95	17.60
100	23.10	20.95	19.60

ORDERING INFORMATION:

P/N 040 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:

"M2" MALE (PLUG)

2. NO. OF CONTACTS:

010 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE OPTION:

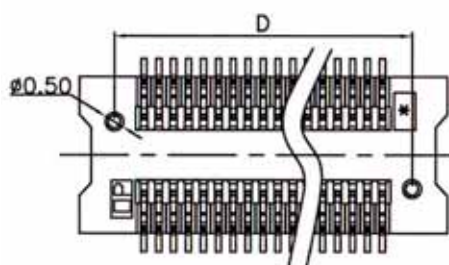
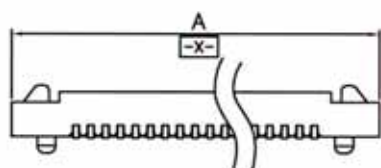
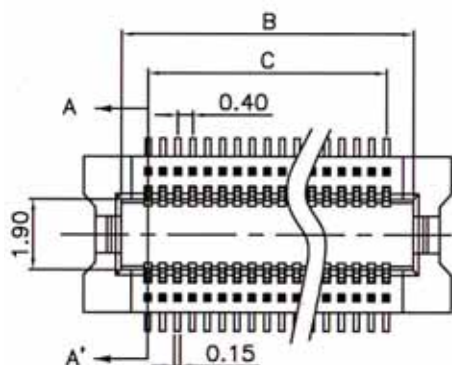
"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF

040F2 & 040M2 IS 1.50MM

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



DIMENSIONS:

A = 0.40 x No. of Positions / 2 + 3.10

B = 0.40 x No. of Positions / 2 + 0.95

C = 0.40 x No. of Positions / 2 - 0.40

D = 0.40 x No. of Positions / 2 + 1.20

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 100V For 1 minute

Insulator Resistance: 50MΩ min. at DC 100V

Contact Resistance: 60mΩ Max. at AC 1mA

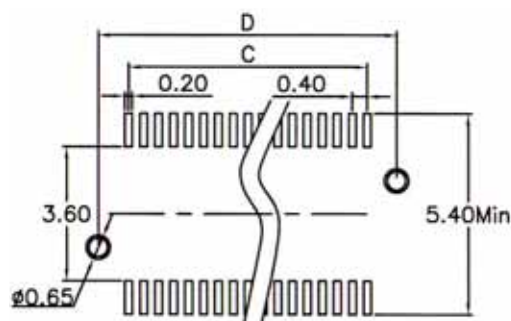
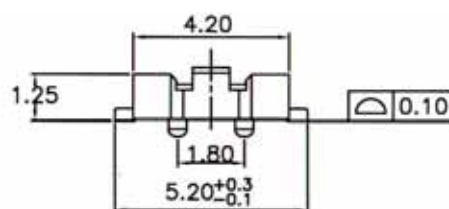
Operating Temperature: -55°C to +85°C

MATERIALS

Housing: High Temperature Plastic UL94V-0

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 040 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:

"F3" FEMALE (SOCKET)

2. NO. OF CONTACTS:

010 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

4. PACKAGE OPTION:

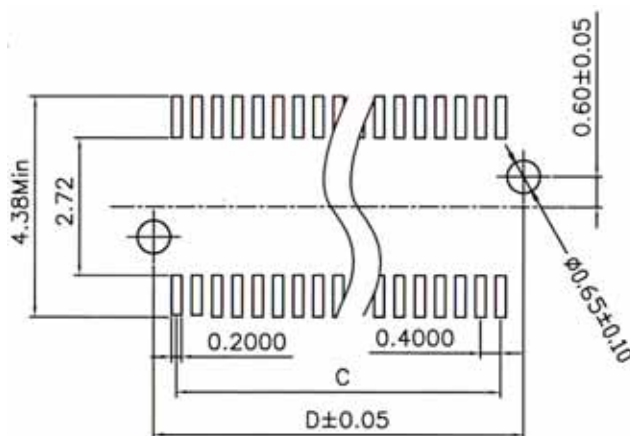
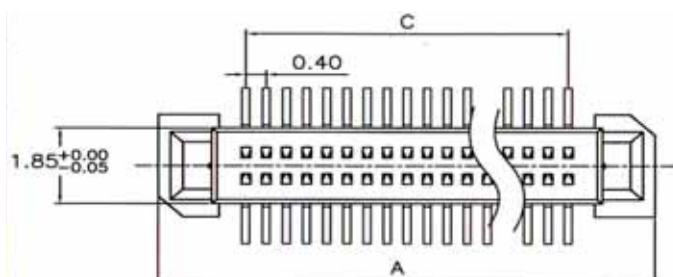
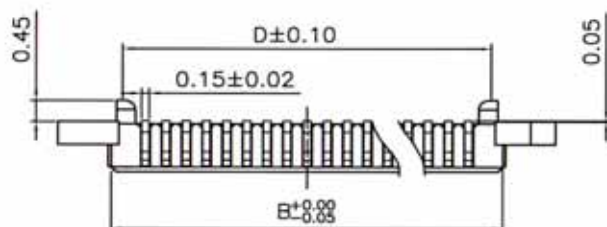
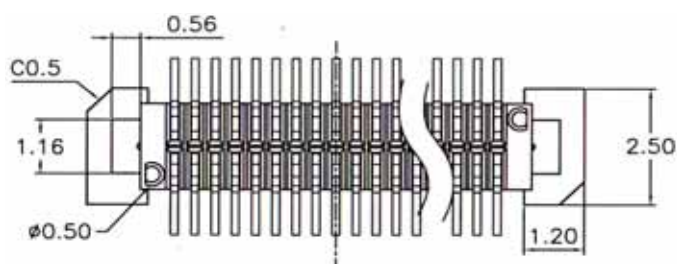
"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF

040F3 & 040M3 IS 1.50MM

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



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand Voltage: AC 100V For 1 minute

Insulator Resistance: 50MΩ min. at DC 100V

Contact Resistance: 60mΩ Max. at AC 1mA

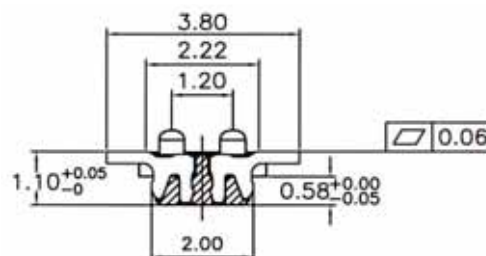
Operating Temperature: -55°C to +85°C

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	5.10	2.95	1.60	2.50
12	5.50	3.35	2.00	2.90
14	5.90	3.75	2.40	3.30
16	6.30	4.15	2.80	3.70
20	7.10	4.95	3.60	4.50
22	7.50	5.35	4.00	4.90
24	7.90	5.75	4.40	5.30
26	8.30	6.15	4.80	5.70
30	9.10	6.95	5.60	6.50
34	9.90	7.75	6.40	7.30
40	11.10	8.95	7.60	8.50
50	13.10	10.95	9.60	10.50
60	15.10	12.95	11.60	12.50
70	17.10	14.95	13.60	14.50
72	17.50	15.35	14.00	14.90
80	19.10	16.95	15.60	16.50
90	21.10	18.95	17.60	18.60
100	23.10	20.95	19.60	20.50

ORDERING INFORMATION:

P/N 040 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ B - $\frac{x}{4}$

1. CONNECTOR TYPE:

"M3" MALE (PLUG)

2. NO. OF CONTACTS:

010 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

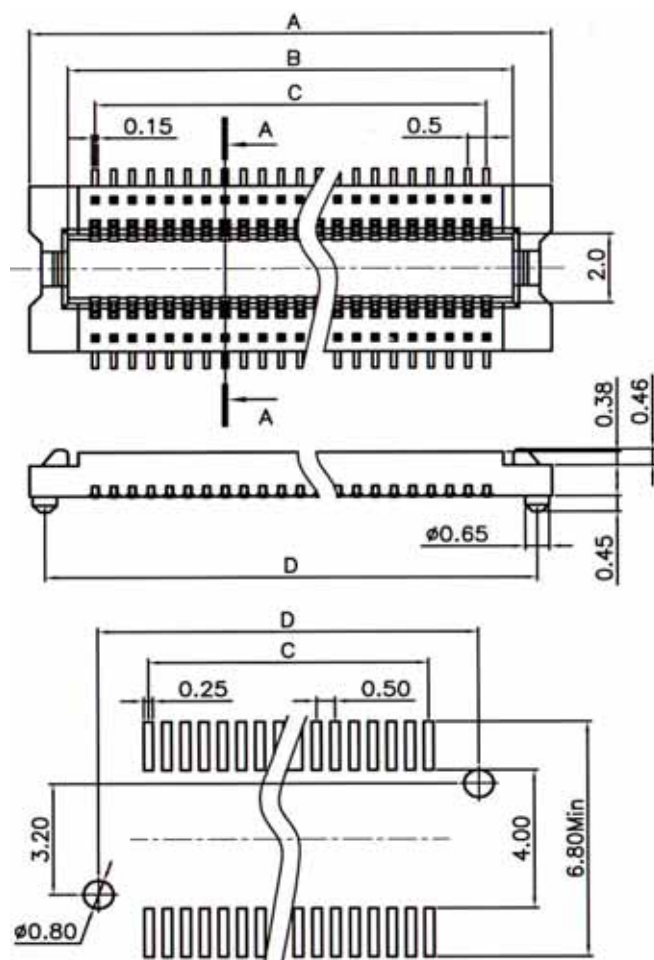
4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

NOTE: THE STACKED HEIGHT OF
040F3 & 040M3 IS 1.50MM

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

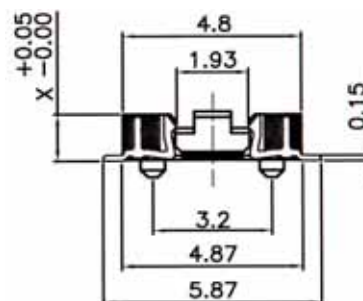
Operating Temperature: -55°C to + 105°C

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 $\frac{1}{x}$ - $\frac{2}{xxx}$ $\frac{3}{x}$ B - $\frac{4}{x}$

1. PROFILE & POST OPTION:

"G1" X = 1.30mm WITH POST

"G2" X = 1.85mm WITH POST

2. NO. OF CONTACTS:

010 through 100

3. CONTACT FINISH:

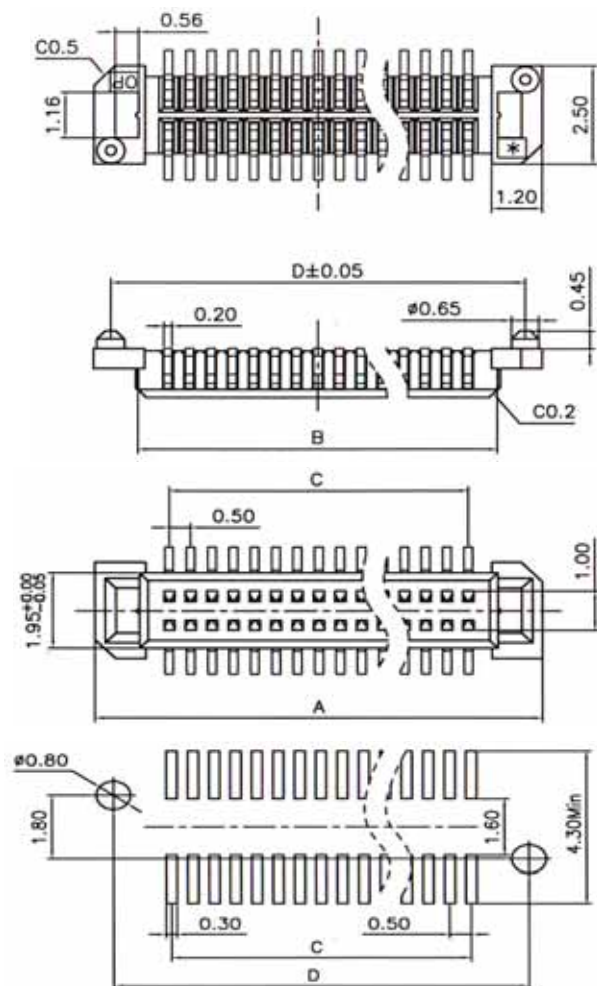
"G" FULL GOLD PLATED

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

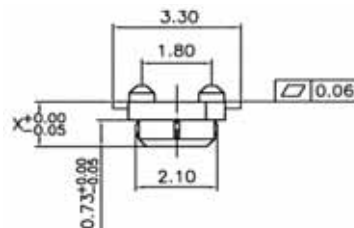
Operating Temperature: -55°C to + 105°C

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 $\frac{x}{1} - \frac{xx}{2} \frac{xx}{3} \frac{x}{4} B - x$

1. PROFILE & POST OPTION:

"N1" X = 1.25mm WITH POST

"N2" X = 1.75mm WITH POST

2. NO. OF CONTACTS:

010 through 100

3. CONTACT FINISH:

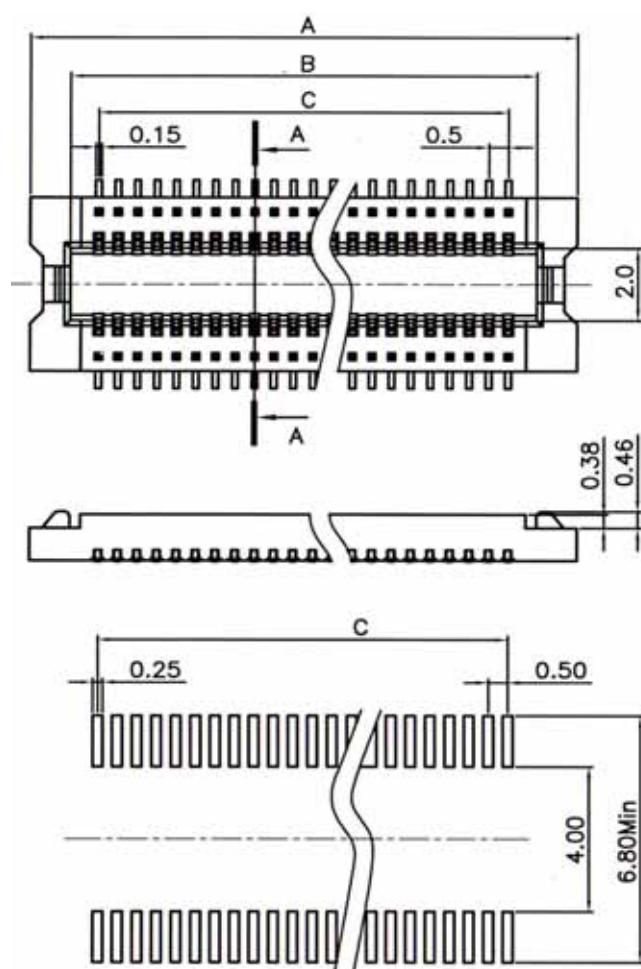
"G" FULL GOLD PLATED

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

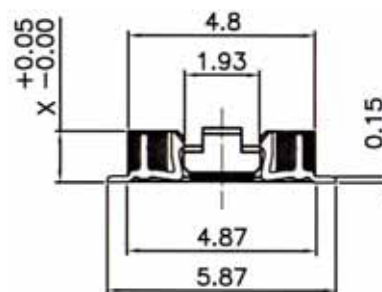
Operating Temperature: -55°C to + 105°C

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 $\frac{x}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ 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 through 100

3. CONTACT FINISH:

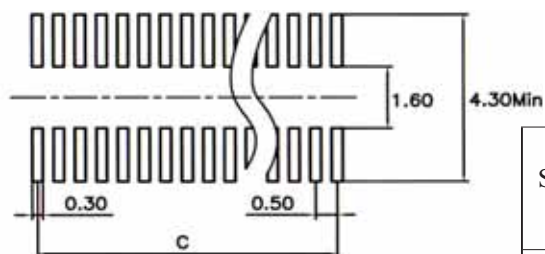
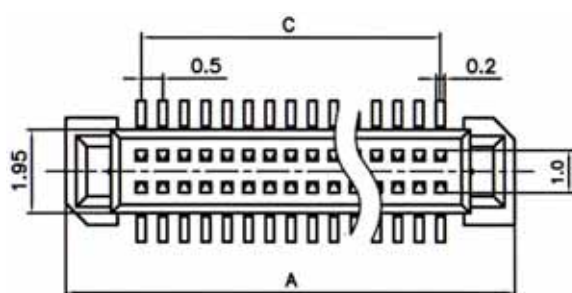
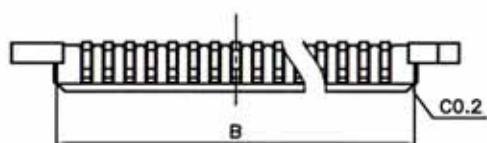
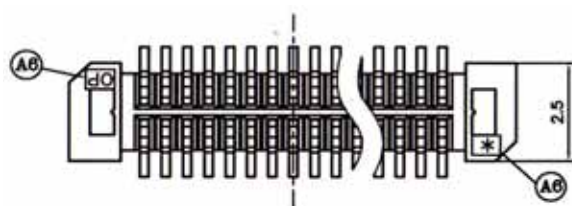
"G" FULL GOLD PLATED

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

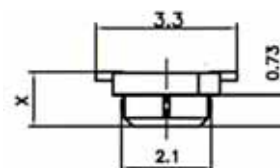
Operating Temperature: -55°C to + 105°C

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 through 100

3. CONTACT FINISH:

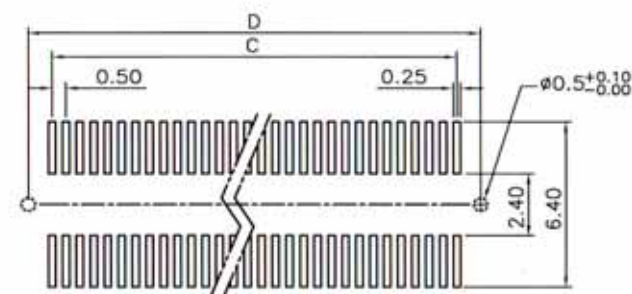
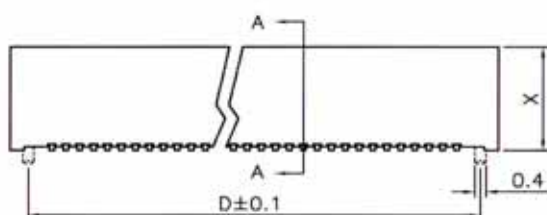
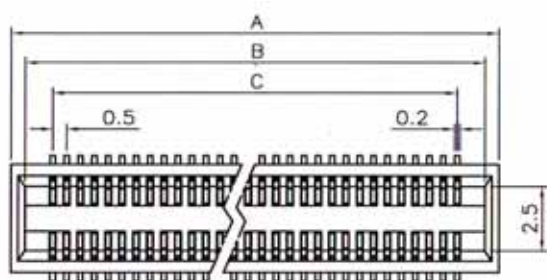
"G" FULL GOLD PLATED

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

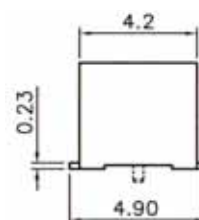
Operating Temperature: -55°C to + 105°C

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 $\frac{1}{x}$ $\frac{2}{x}$ - $\frac{3}{x}$ $\frac{4}{G}$ 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 through 100

3. CONTACT FINISH:

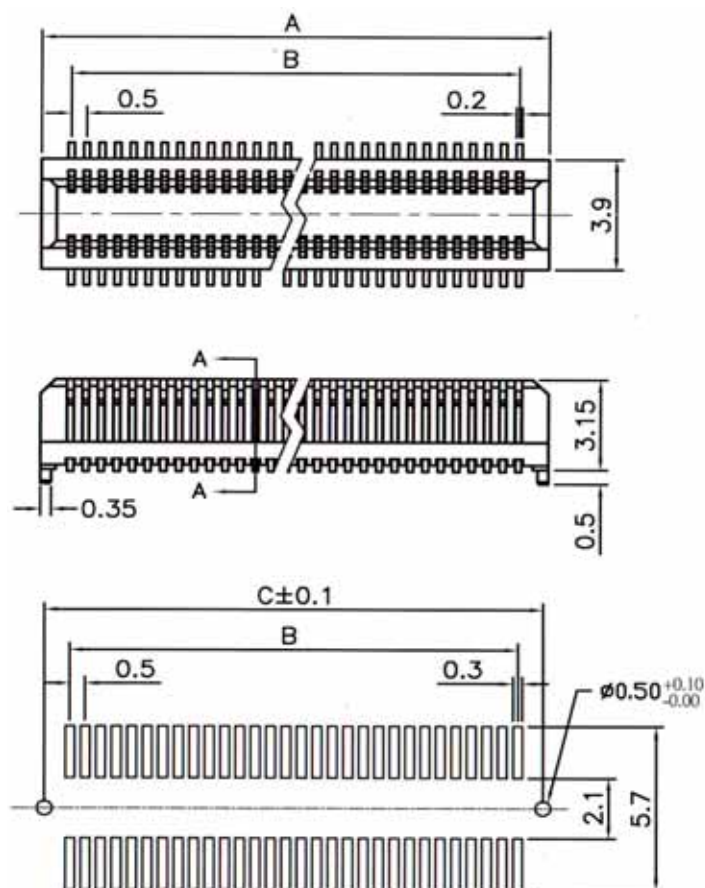
"G" FULL GOLD PLATED

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 (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

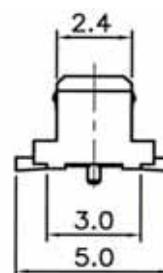
Operating Temperature: -55°C to + 105°C

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 through 100

3. CONTACT FINISH:

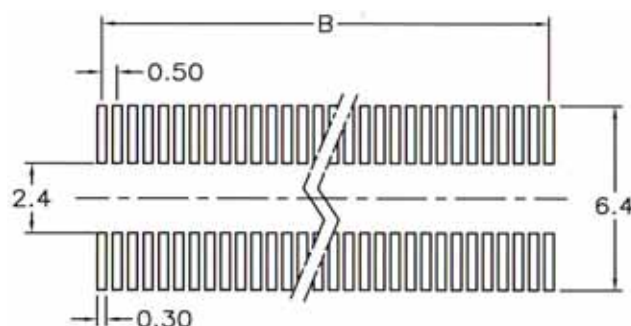
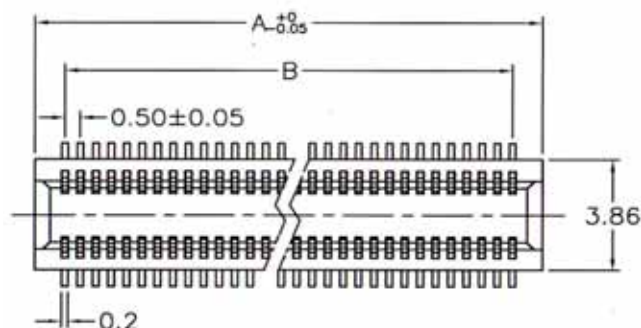
"G" FULL GOLD PLATED

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 (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

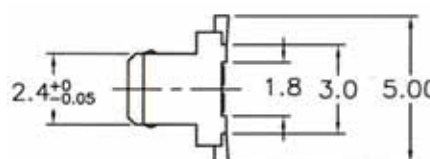
Operating Temperature: -55°C to + 105°C

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 through 100

3. CONTACT FINISH:

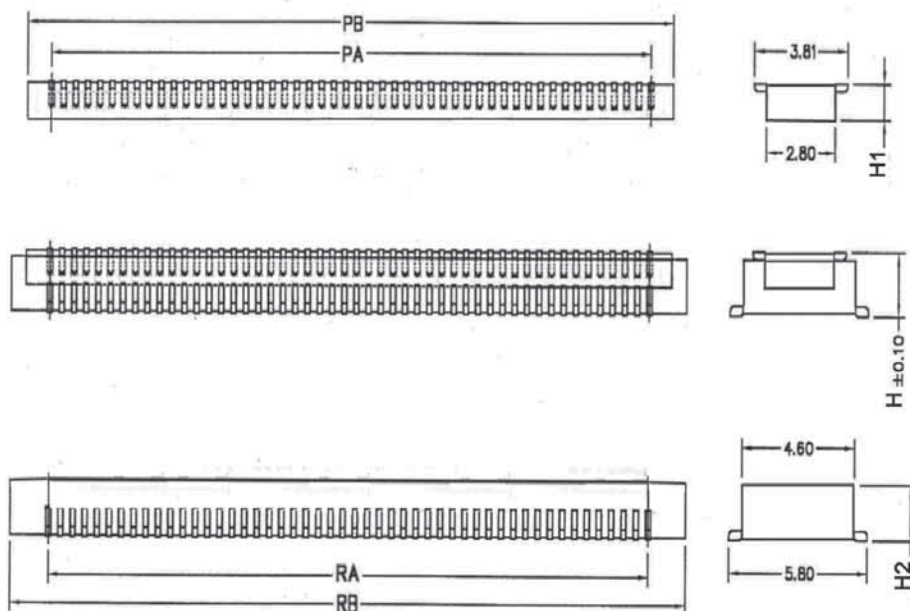
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

050MM(0.0197") BOARD-TO-BOARD CONNECTOR MALE & FEMALE SET MATING HEIGHT= 1.50 - 2.00 - 2.50 - 3.00 MM



SPECIFICATIONS

Current Rating: 0.5 Amp

Voltage: 50V

Contact Resistance: 40mΩ mix.

Withstanding Voltage: 500V AC/1 min.

Insulation Resistance: 100MΩ min.

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

MATERIALS

Housing: HTN or LCP, UL94V-0, Black

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

Type	Dimensions(mm)		
	H	H1	H2
R15	1.50	1.10	1.20
R20	2.00	1.10	1.70
R25	2.50	2.10	1.20
R30	2.95	2.10	1.70

No. of Contacts	Dimensions(mm)			
	PA	PB	RA	RB
020	4.50	6.40	4.50	7.60
030	7.00	8.90	7.00	10.10
040	9.50	11.40	9.50	12.60
050	12.00	13.90	12.00	15.10
060	14.50	16.40	14.50	17.60
070	17.00	18.90	17.00	20.10
080	19.50	21.40	19.50	22.60
090	22.00	23.90	22.00	25.10
100	24.50	26.40	24.50	27.60

ORDERING INFORMATION:

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

1. PACKING OPTION:

"R" W/O PAD IN TAPE & REEL

2. M+F MATING HEIGHT:

"15" H= 1.5MM

"20" H= 2.0MM

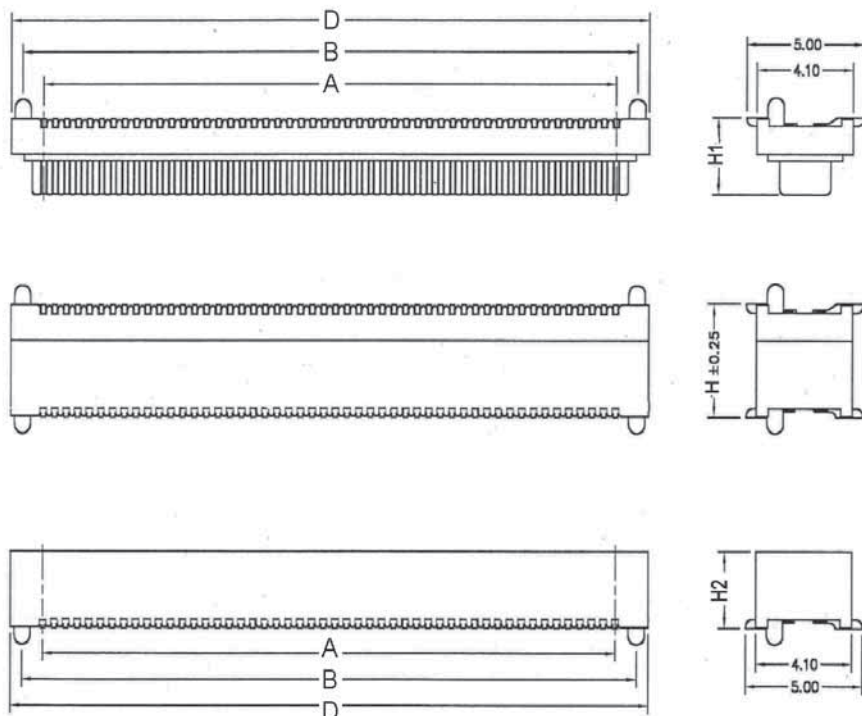
"25" H= 2.5MM

"30" H= 3.0MM

3. NO. OF CONTACTS:

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

050MM(0.0197") BOARD-TO-BOARD CONNECTOR MALE & FEMALE SET MATING HEIGHT = 3.50 - 4.00 - 4.50 - 5.00 MM



SPECIFICATIONS

Current Rating: 0.5 Amp

Voltage: 50V

Contact Resistance: 40mΩ max.

Withstanding Voltage: 500V AC/1 min.

Insulation Resistance: 100MΩ min.

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

MATERIALS

Housing: HTN or LCP, UL94V-0, Black

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

Type	Dimensions(mm)		
	H	H1	H2
R35	3.50	2.40	2.74
R40	4.00	2.74	2.74
R45	4.50	2.40	3.70
R50	5.00	2.74	3.70

No. of Contacts	Dimensions(mm)		
	A	B	D
020	4.50	6.30	7.30
030	7.00	8.80	9.80
040	9.50	11.30	12.30
050	12.00	13.80	14.80
060	14.50	16.30	17.30
070	17.00	18.80	19.80
080	19.50	21.30	22.30
090	22.00	23.80	24.80
100	24.50	26.30	27.30

ORDERING INFORMATION:

P/N 050 $\frac{R}{1} \frac{xx}{2} - \frac{xxx}{3} GB$

1. PACKING OPTION:

"R" W/O PAD IN TAPE & REEL

2. M+F MATING HEIGHT:

"35" H= 3.5MM

"40" H= 4.0MM

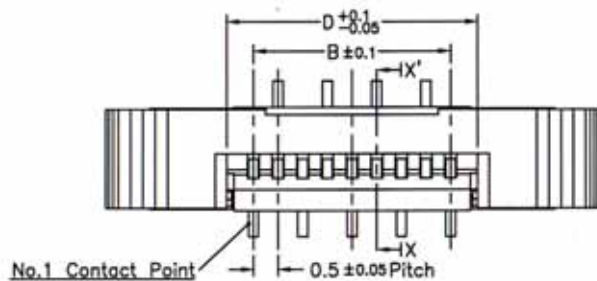
"45" H= 4.5MM

"50" H= 5.0MM

3. NO. OF CONTACTS:

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

0.50MM FFC/FPC ZIF CONNECTOR 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

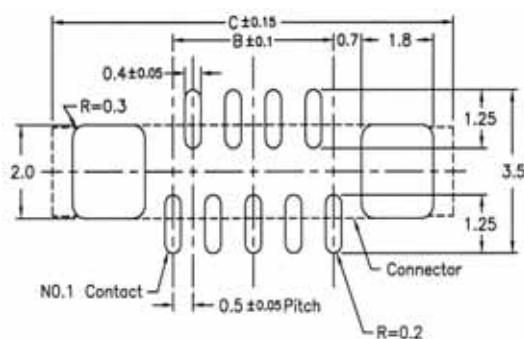
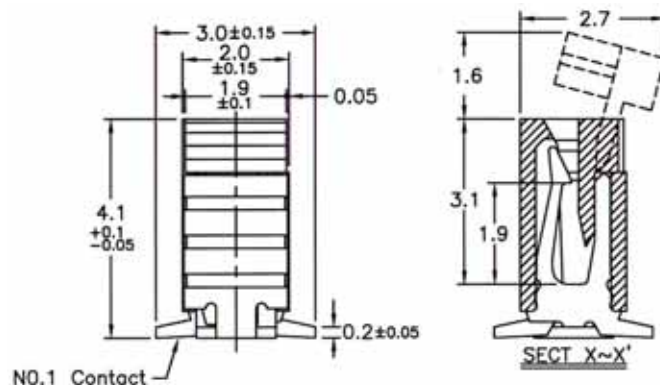
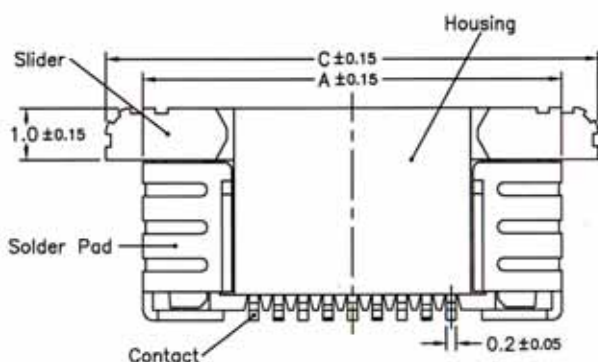
MATERIALS

Insulator: Thermoplastic, UL94V-0

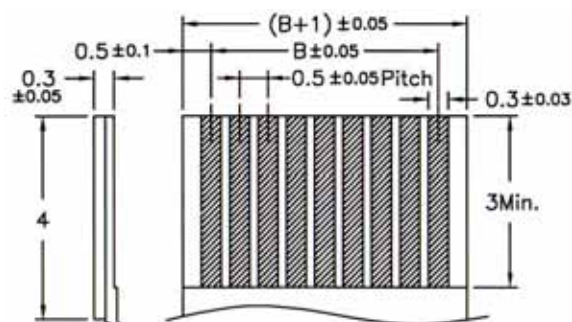
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

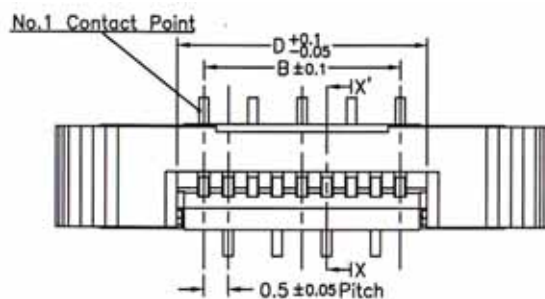


ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"FA" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 through 050
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

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



DIMENSIONS:

B = 0.5 x (No. of Contacts-1)

A = (DIM. B) + 4.5

C = (DIM. B) + 6.0

D = (DIM. B) + 1.1

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 50V AC

Operating Temperature: -55°C to +85°C

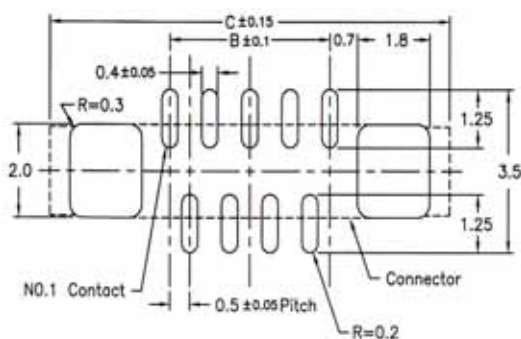
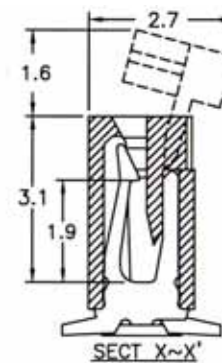
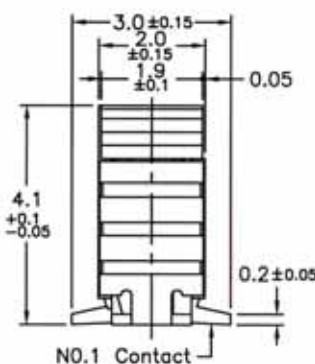
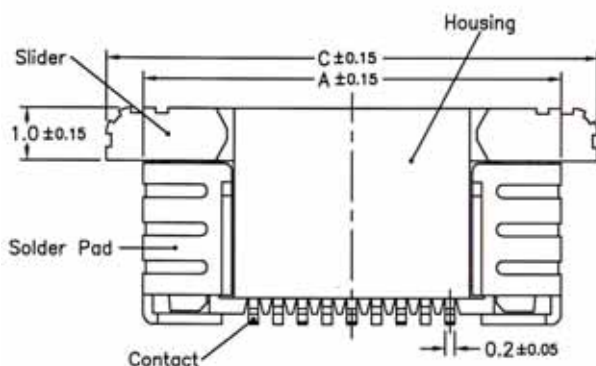
MATERIALS

Insulator: Thermoplastic, UL94V-0

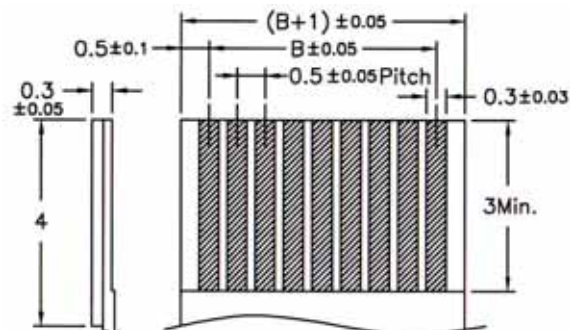
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C. Board Layout



ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"FB" STRAIGHT SMT TYPE

2. NO. OF CONTACTS:

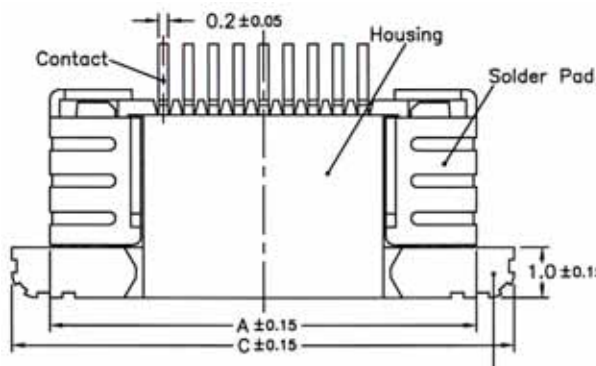
004 through 050

3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"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°C

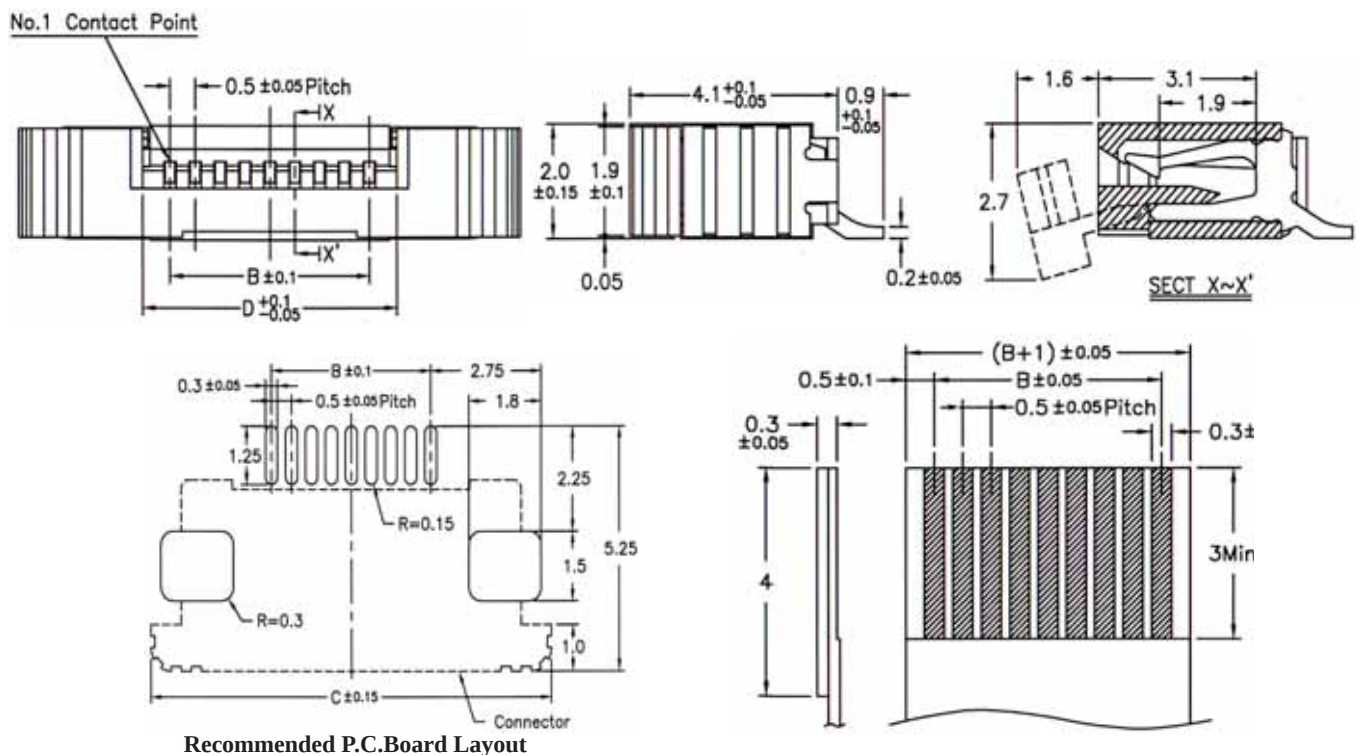
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

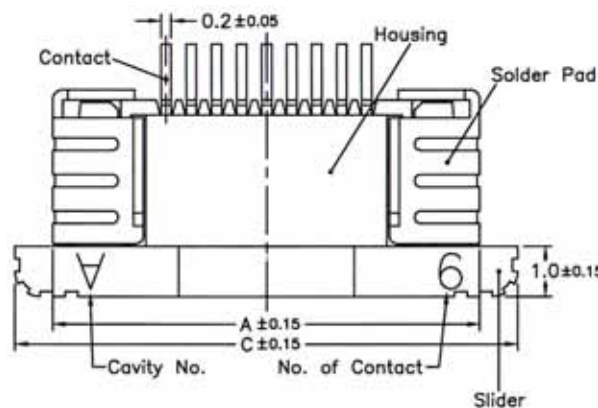


ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"FE" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 through 050
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"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 $+85^\circ\text{C}$

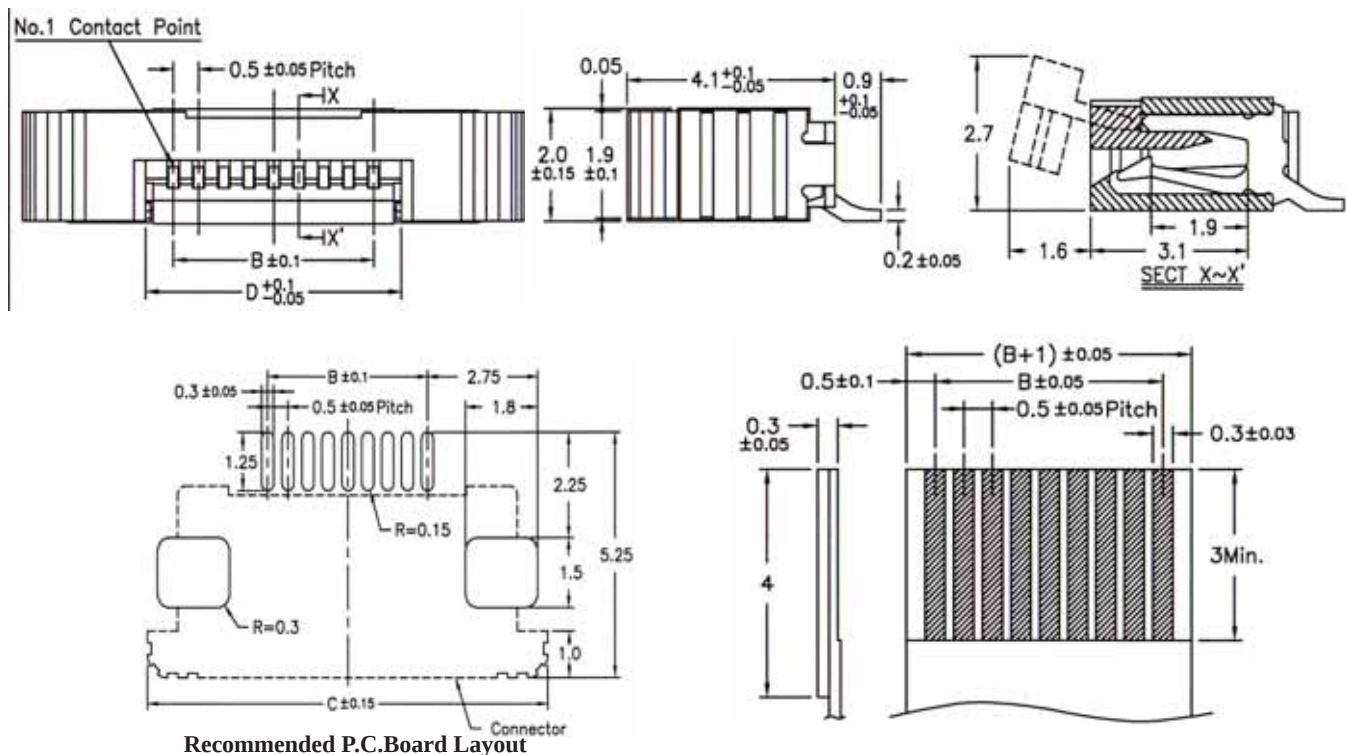
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

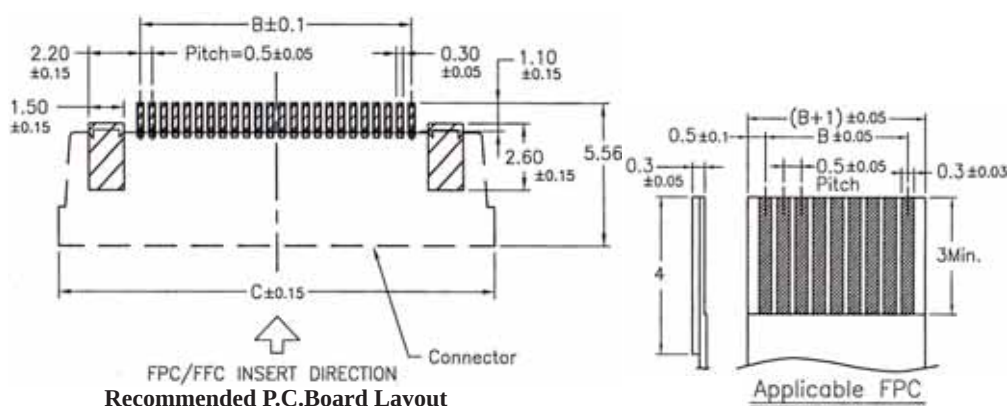
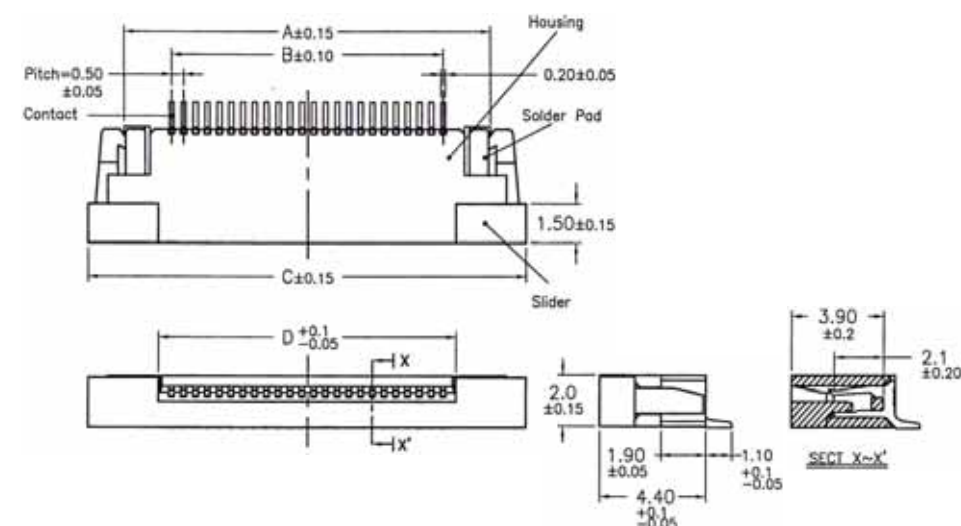


ORDERING INFORMATION:

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

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

0.50MM FFC/FPC ZIF CONNECTOR UPPER CONTACT RIGHT ANGLE SMT TYPE



SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to +85°C

MATERIALS

Insulator: UL94V-0

PA46

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

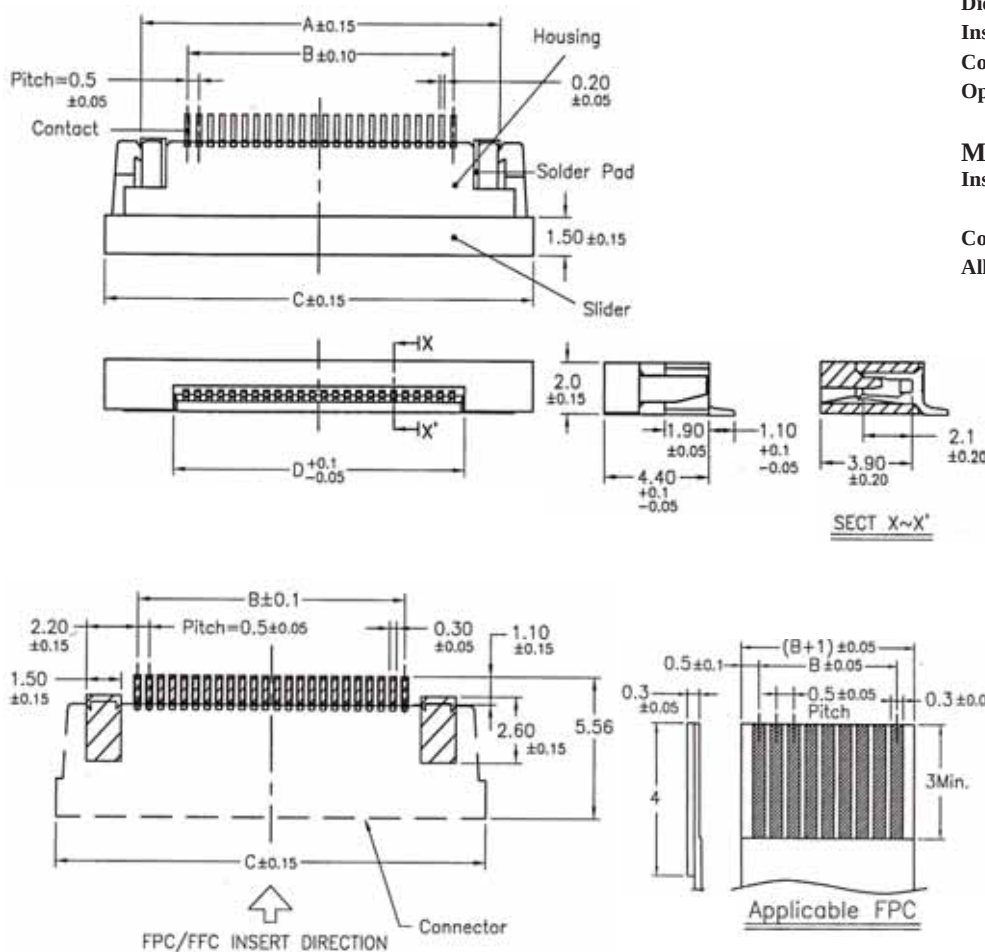
No. of Contacts	Dimensions(mm)			
	A	B	C	D
04	5.50	1.50	8.50	2.60
05	6.00	2.00	9.00	3.10
06	6.50	2.50	9.50	3.60
07	7.00	3.00	10.00	4.10
08	7.50	3.50	10.50	4.60
09	8.00	4.00	11.00	5.10
10	8.50	4.50	11.50	5.60
11	9.00	5.00	12.00	6.10
12	9.50	5.50	12.50	6.60
13	10.00	6.00	13.00	7.10
14	10.50	6.50	13.50	7.60
15	11.00	7.00	14.00	8.10
16	11.50	7.50	14.50	8.60
17	12.00	8.00	15.00	9.10
18	12.50	8.50	15.50	9.60
19	13.00	9.00	16.00	10.10
20	13.50	9.50	16.50	10.60
21	14.00	10.00	17.00	11.10
22	14.50	10.50	17.50	11.60
23	15.00	11.00	18.00	12.10
24	15.50	11.50	18.50	12.60
25	16.00	12.00	19.00	13.10
26	16.50	12.50	19.50	13.60
27	17.00	13.00	20.00	14.10
28	17.50	13.50	20.50	14.60
29	18.00	14.00	21.00	15.10
30	18.50	14.50	21.50	15.60
31	19.00	15.00	22.00	16.10
32	19.50	15.50	22.50	16.60

ORDERING INFORMATION:

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

- CONNECTOR TYPE:
"FK" UPPER CONTACT RIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
004 through 032
- PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR LOWER CONTACT RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to +85°C

MATERIALS

Insulator: UL94V-0

PA46

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

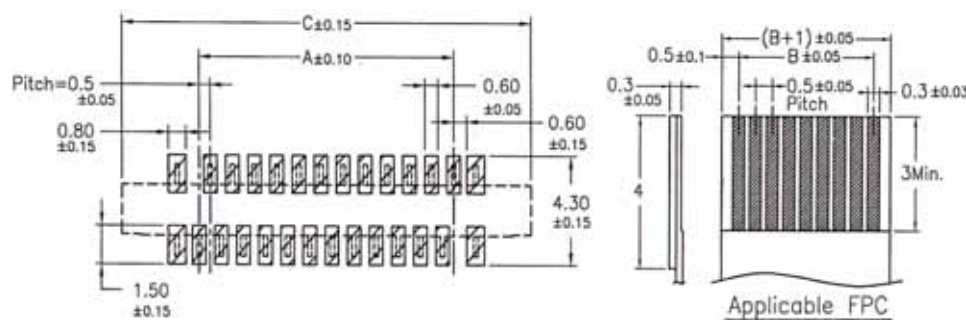
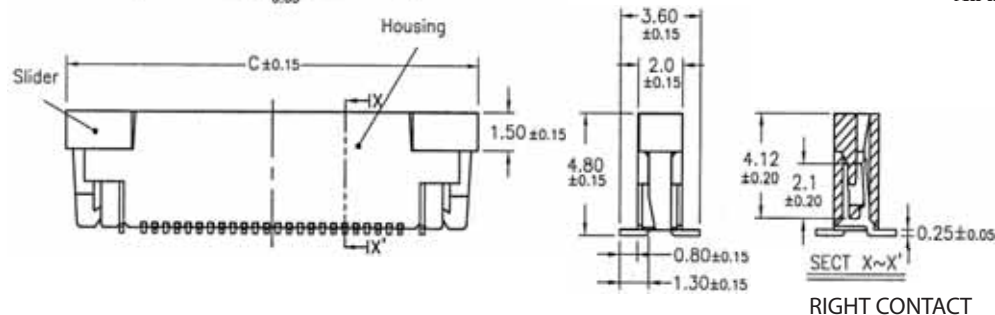
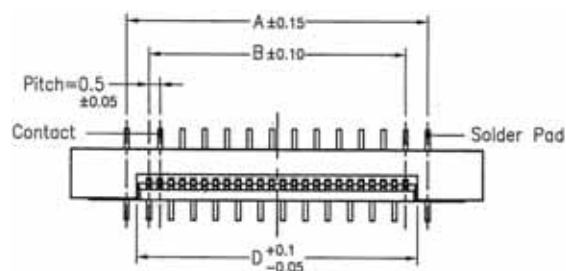
No. of Contacts	Dimensions(mm)			
	A	B	C	D
04	5.50	1.50	8.50	2.60
05	6.00	2.00	9.00	3.10
06	6.50	2.50	9.50	3.60
07	7.00	3.00	10.00	4.10
08	7.50	3.50	10.50	4.60
09	8.00	4.00	11.00	5.10
10	8.50	4.50	11.50	5.60
11	9.00	5.00	12.00	6.10
12	9.50	5.50	12.50	6.60
13	10.00	6.00	13.00	7.10
14	10.50	6.50	13.50	7.60
15	11.00	7.00	14.00	8.10
16	11.50	7.50	14.50	8.60
17	12.00	8.00	15.00	9.10
18	12.50	8.50	15.50	9.60
19	13.00	9.00	16.00	10.10
20	13.50	9.50	16.50	10.60
21	14.00	10.00	17.00	11.10
22	14.50	10.50	17.50	11.60
23	15.00	11.00	18.00	12.10
24	15.50	11.50	18.50	12.60
25	16.00	12.00	19.00	13.10
26	16.50	12.50	19.50	13.60
27	17.00	13.00	20.00	14.10
28	17.50	13.50	20.50	14.60
29	18.00	14.00	21.00	15.10
30	18.50	14.50	21.50	15.60
31	19.00	15.00	22.00	16.10
32	19.50	15.50	22.50	16.60

ORDERING INFORMATION:

P/N 050 $\frac{FL}{1}$ - $\frac{xxx}{2}$ TW - $\frac{R}{3}$

1. CONNECTOR TYPE:
"FL" LOWER CONTACT RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 through 032
3. PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

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



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -25 $^{\circ}$ C to +85 $^{\circ}$ C

MATERIALS

Insulator: UL94V-0

PA46

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

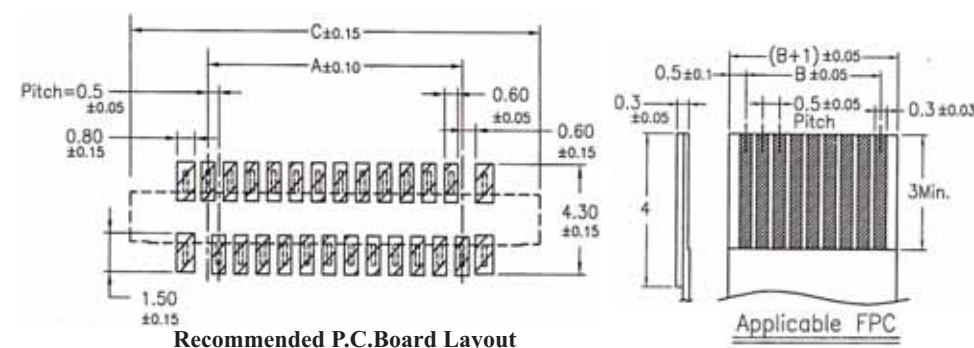
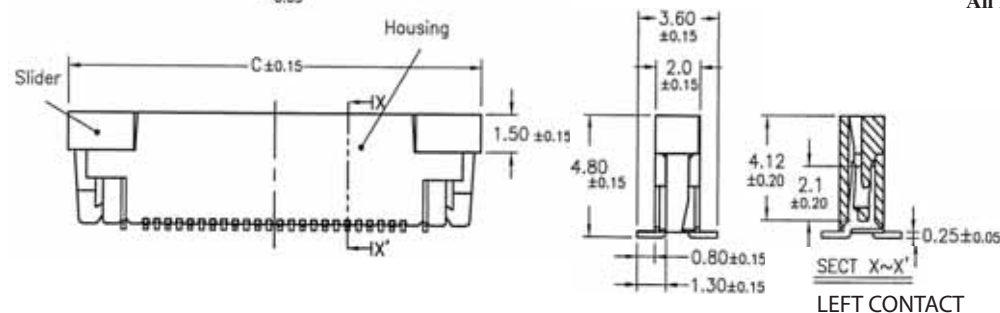
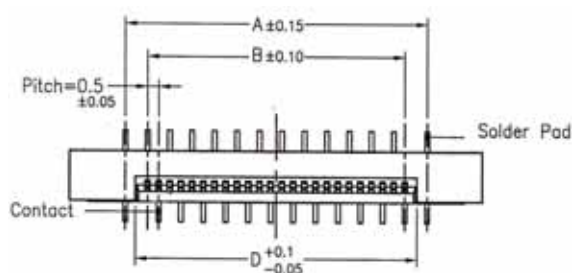
No. of Contacts	Dimensions(mm)			
	A	B	C	D
04	3.50	1.50	8.50	2.60
05	4.00	2.00	9.00	3.10
06	4.50	2.50	9.50	3.60
07	5.00	3.00	10.00	4.10
08	5.50	3.50	10.50	4.60
09	6.00	4.00	11.00	5.10
10	6.50	4.50	11.50	5.60
11	7.00	5.00	12.00	6.10
12	7.50	5.50	12.50	6.60
13	8.00	6.00	13.00	7.10
14	8.50	6.50	13.50	7.60
15	9.00	7.00	14.00	8.10
16	9.50	7.50	14.50	8.60
17	10.00	8.00	15.00	9.10
18	10.50	8.50	15.50	9.60
19	11.00	9.00	16.00	10.10
20	11.50	9.50	16.50	10.60
21	12.00	10.00	17.00	11.10
22	12.50	10.50	17.50	11.60
23	13.00	11.00	18.00	12.10
24	13.50	11.50	18.50	12.60
25	14.00	12.00	19.00	13.10
26	14.50	12.50	19.50	13.60
27	15.00	13.00	20.00	14.10
28	15.50	13.50	20.50	14.60
29	16.00	14.00	21.00	15.10
30	16.50	14.50	21.50	15.60
31	17.00	15.00	22.00	16.10
32	17.50	15.50	22.50	16.60

ORDERING INFORMATION:

P/N 050 FM - xxx TW - Q
1 2 3

- CONNECTOR TYPE:
"FM" STRAIGHT SMT TYPE
- NO. OF CONTACTS:
004 through 032
- PACKAGE OPTION:
"Q" WITH PAD IN TAPE & REEL

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



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -25°C to + 85°C

MATERIALS

Insulator: UL94V-0

PA46

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

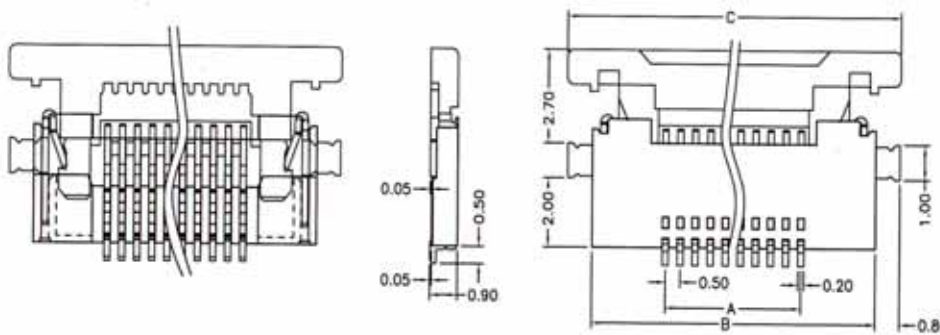
No. of Contacts	Dimensions(mm)			
	A	B	C	D
04	3.50	1.50	8.50	2.60
05	4.00	2.00	9.00	3.10
06	4.50	2.50	9.50	3.60
07	5.00	3.00	10.00	4.10
08	5.50	3.50	10.50	4.60
09	6.00	4.00	11.00	5.10
10	6.50	4.50	11.50	5.60
11	7.00	5.00	12.00	6.10
12	7.50	5.50	12.50	6.60
13	8.00	6.00	13.00	7.10
14	8.50	6.50	13.50	7.60
15	9.00	7.00	14.00	8.10
16	9.50	7.50	14.50	8.60
17	10.00	8.00	15.00	9.10
18	10.50	8.50	15.50	9.60
19	11.00	9.00	16.00	10.10
20	11.50	9.50	16.50	10.60
21	12.00	10.00	17.00	11.10
22	12.50	10.50	17.50	11.60
23	13.00	11.00	18.00	12.10
24	13.50	11.50	18.50	12.60
25	14.00	12.00	19.00	13.10
26	14.50	12.50	19.50	13.60
27	15.00	13.00	20.00	14.10
28	15.50	13.50	20.50	14.60
29	16.00	14.00	21.00	15.10
30	16.50	14.50	21.50	15.60
31	17.00	15.00	22.00	16.10
32	17.50	15.50	22.50	16.60

ORDERING INFORMATION:

P/N 050 FN - xxx TW - Q
1 2 3

- CONNECTOR TYPE:
"FN" STRAIGHT SMT TYPE
- NO. OF CONTACTS:
004 through 032
- PACKAGE OPTION:
"Q" WITH PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR SMT TYPE



SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 90mΩ Max.

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

MATERIALS

Insulator: Polyester, UL94V-0

Nylon 6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

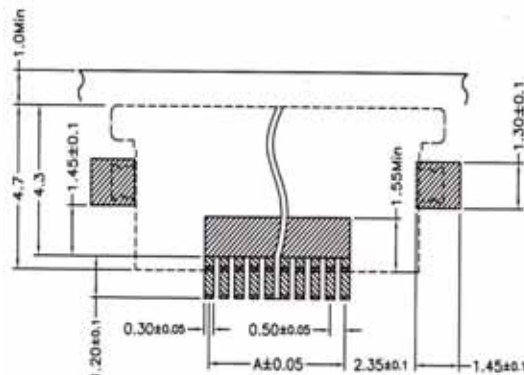


DIMENSIONS:

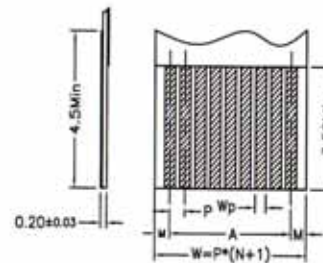
A = (No. of Contacts/Row - 1) x 0.5

B = (No. of Contacts/Row - 1) x 0.5 + 4.9

C = (No. of Contacts/Row - 1) x 0.5 + 6.6



Recommended P.C.Board Layout



ORDERING INFORMATION:

P/N 0 5 0 $\frac{x}{1}x - \frac{x}{2}x \frac{T}{3}B - \frac{x}{4}$

1. CONTACT TYPE:

"ZA" TOP CONTACT

"ZB" BOTTOM CONTACT

2. NO. OF CONTACTS:

005 through 032

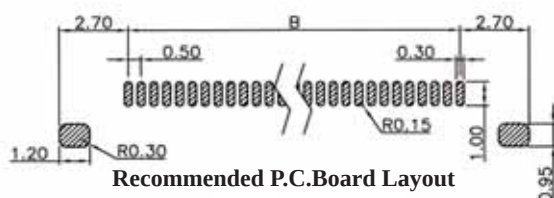
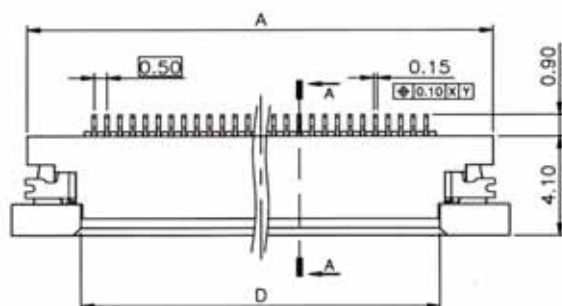
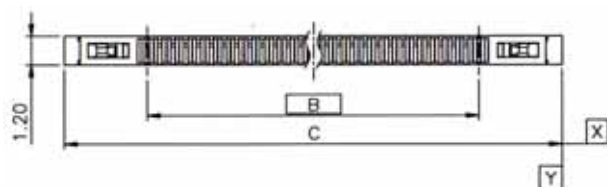
3. CONTACT FINISH:

"T" FULL TIN PLATED

4. PACKAGE OPTION:

"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR SMT TYPE



DIMENSIONS:

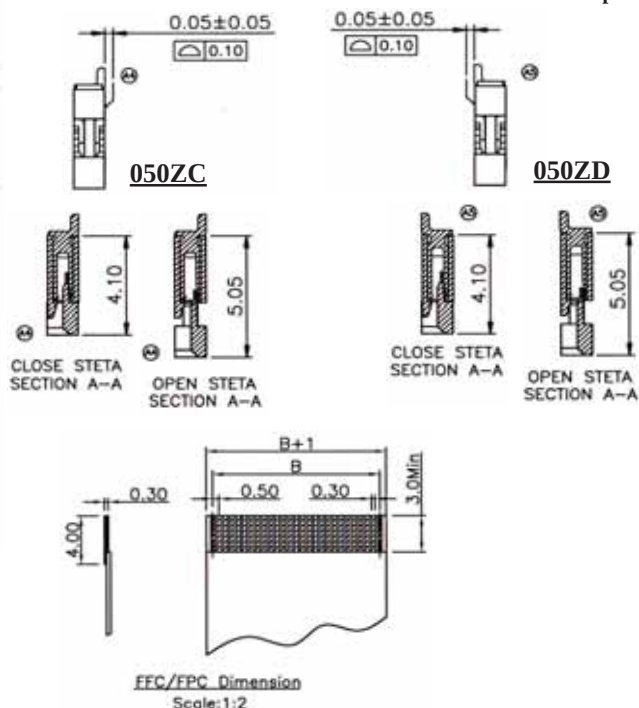
$A = (\text{No. of Contacts/Row} - 1) \times 0.5 + 5.25$
 $B = (\text{No. of Contacts/Row} - 1) \times 0.5$
 $C = (\text{No. of Contacts/Row} - 1) \times 0.5 + 6.5$
 $D = (\text{No. of Contacts/Row} - 1) \times 0.5 + 1.07$

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.

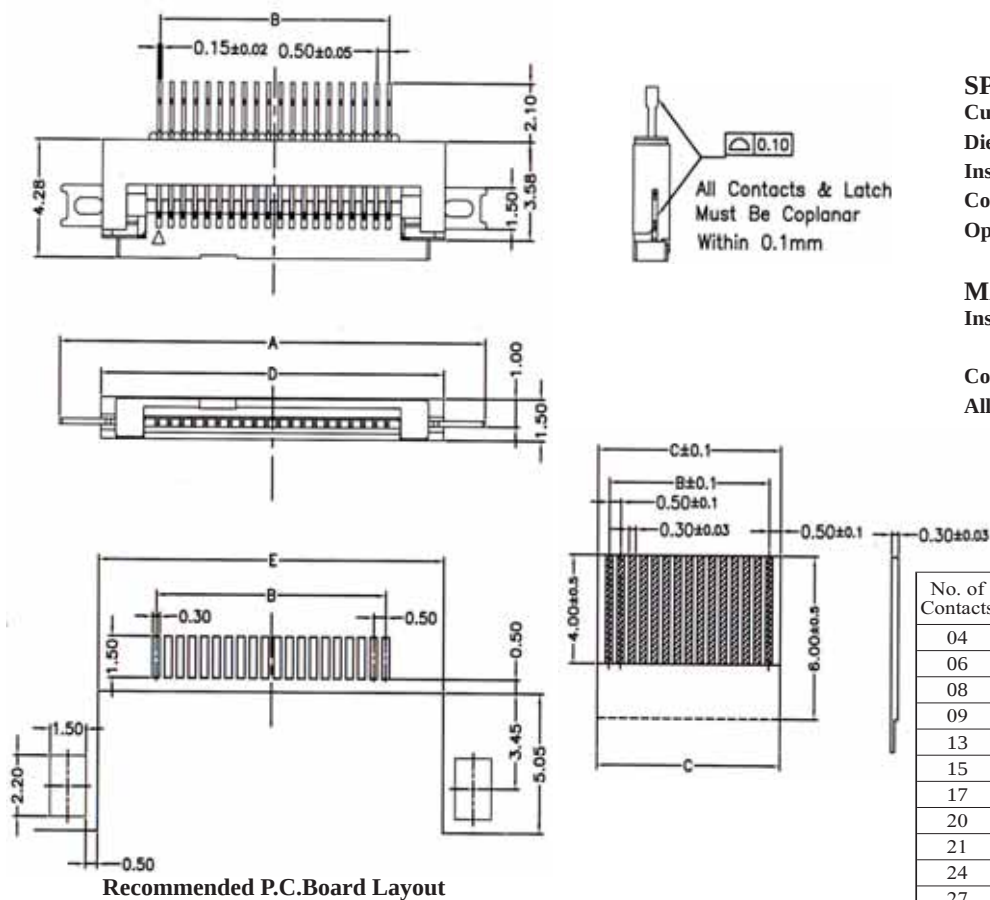


ORDERING INFORMATION:

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

1. CONTACT TYPE:
"ZC" TOP CONTACT
"ZD" BOTTOM CONTACT
2. NO. OF CONTACTS:
004 through 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



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.

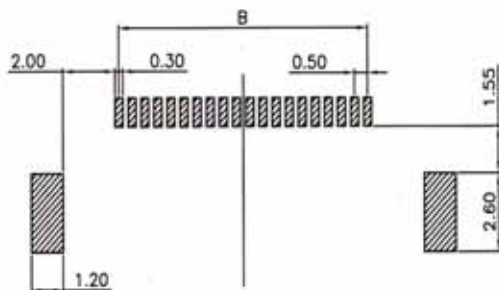
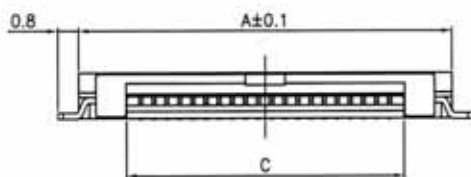
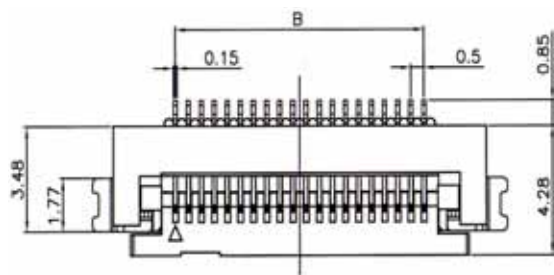
No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
04	9.63	1.50	2.50	6.20	6.70
06	10.63	2.50	3.50	7.20	7.70
08	11.63	2.50	4.50	8.20	8.70
09	12.13	4.00	5.00	8.70	9.20
13	14.13	6.00	7.00	10.70	11.20
15	15.13	7.00	8.00	11.70	12.20
17	16.13	8.00	9.00	12.70	13.20
20	17.63	9.50	10.50	14.20	14.70
21	18.13	10.00	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:

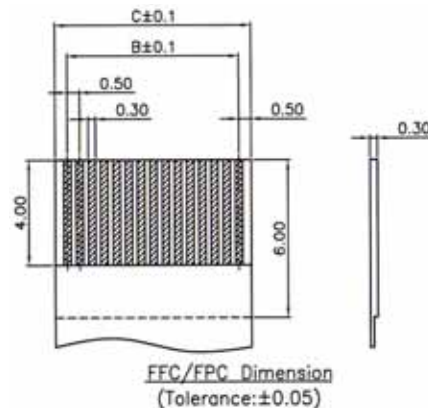
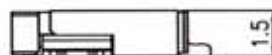
P/N 050 xx - xxx x B - x

1. FFC/FPC THICKNESS:
"ZE" FOR 0.2MM THICK FFC/FPC
"ZF" FOR 0.3MM THICK FFC/FPC
2. NO. OF CONTACTS:
004 through 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 FFC/FPC ZIF CONNECTOR FLIP LOCK TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.4 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 500 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.

DIMENSIONS:

A = 0.50 x No. of Contacts/Row + 4.20

B = 0.50 x No. of Contacts/Row - 0.50

C = 0.50 x No. of Contacts/Row + 0.50

ORDERING INFORMATION:

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

1. FFC/FPC THICKNESS:

"ZG" FOR 0.2MM THICK FFC/FPC

"ZH" FOR 0.3MM THICK FFC/FPC

2. NO. OF CONTACTS:

004 through 064

3. CONTACT FINISH:

"T" FULL TIN PLATED (STANDARD)

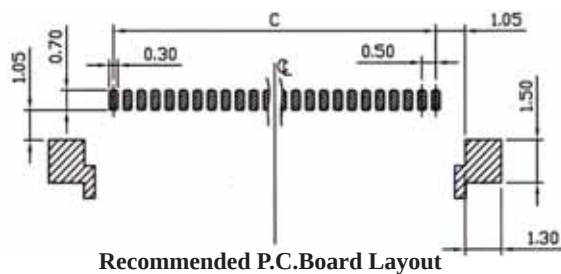
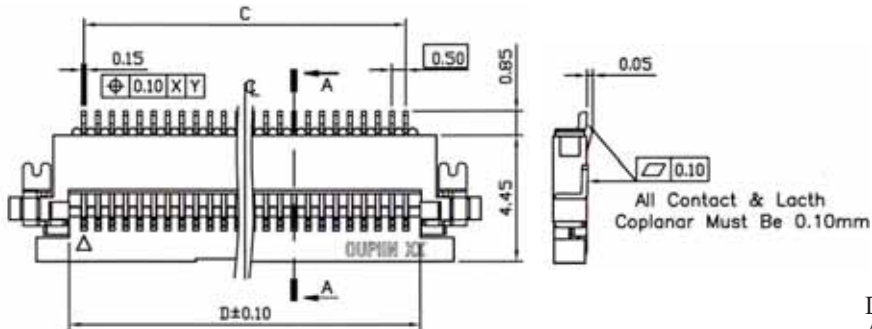
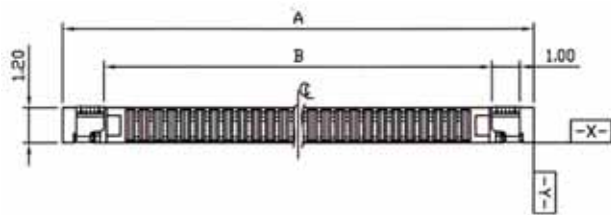
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

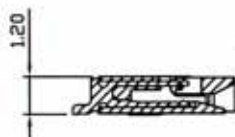
4. PACKAGE OPTION:

"R" W/O PAD IN TAPE & REEL

0.50MM FFC/FPC ZIF CONNECTOR SMT TYPE



Recommended P.C.Board Layout



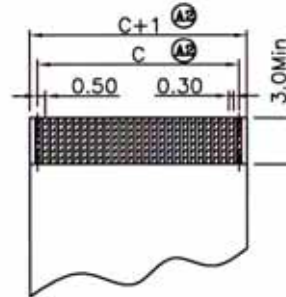
CLOSE STATE
SECTION A-A



OPEN STATE
SECTION A-A



FFC/FPC Dimension
Scale:1:2



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.

DIMENSIONS:

A = 0.50 x No. of Contacts/Row + 4.90

B = 0.50 x No. of Contacts/Row + 1.90

C = 0.50 x No. of Contacts/Row - 0.50

D = 0.50 x No. of Contacts/Row + 0.55

ORDERING INFORMATION:

P/N 0 5 0 Z M - x x x x B - x
1 2 3 4

1. CONNECTOR TYPE:

"ZM" SMT TYPE

2. NO. OF CONTACTS:

004 through 080

3. CONTACT FINISH:

"T" FULL TIN PLATED (STANDARD)

"G" FULL GOLD PLATED

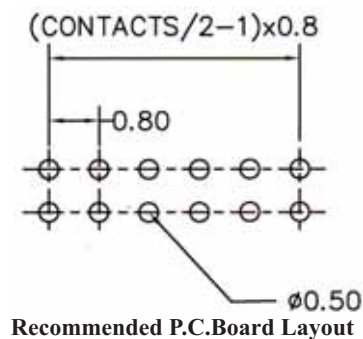
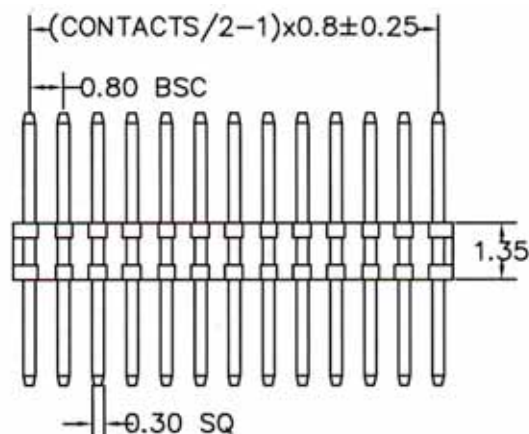
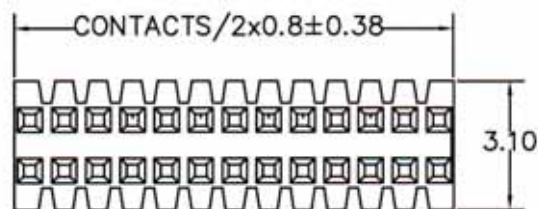
"S" SELECTIVE GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.80MM (0.032") PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=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

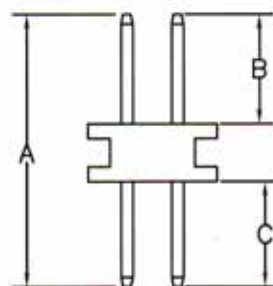
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



ORDERING INFORMATION:

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

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:

"2S6" DOUBLE ROW STRAIGHT

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

3. NO. OF CONTACTS:

004 through 100

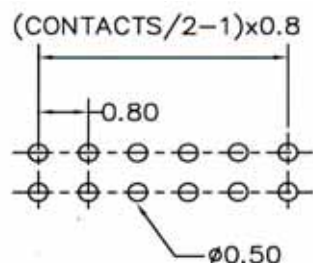
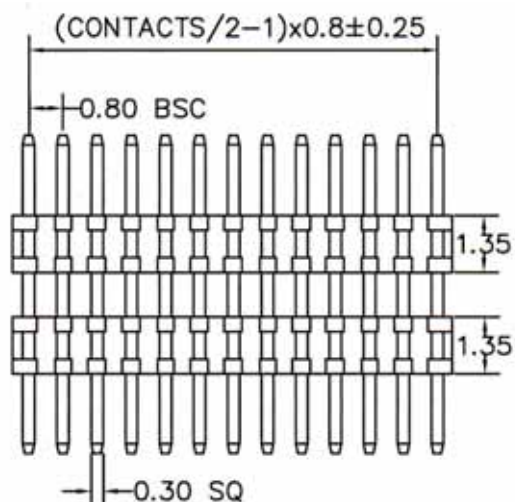
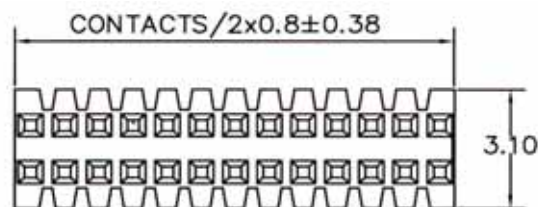
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

0.80MM (0.032") 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

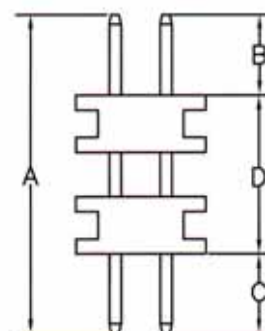
MATERIALS

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" DOUBLE ROW STRAIGHT

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

3. NO. OF CONTACTS:

004 through 100

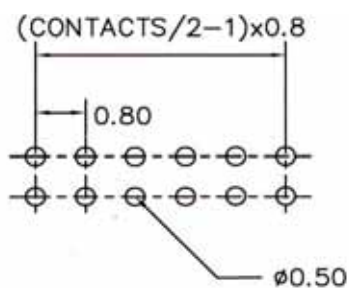
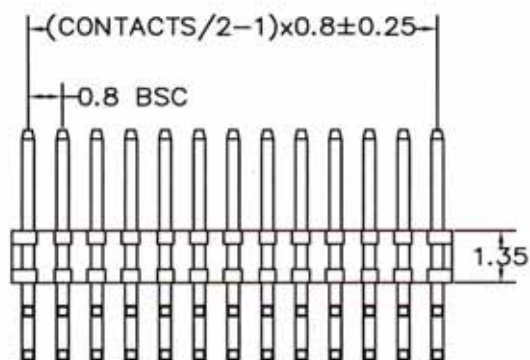
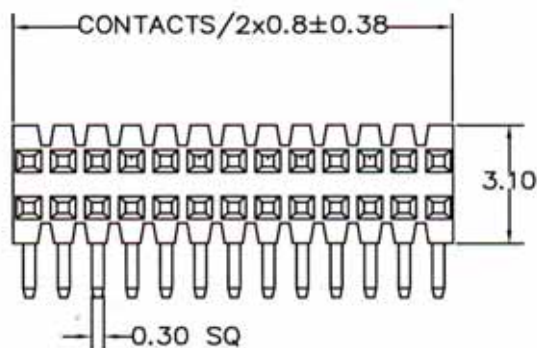
4. CONTACT FINISH:

"G" FULL GOLD PLATED

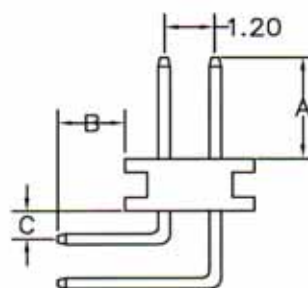
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

0.80MM (0.032") 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 - $\frac{A}{2}$ $\frac{B}{3}$ $\frac{C}{4}$ B

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

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

1. EXTERIOR CODE:

"2D6" DOUBLE ROW RIGHT ANGLE

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

3. NO. OF CONTACTS:

004 through 080

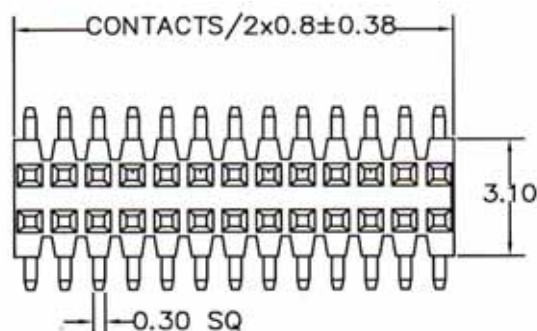
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

0.80MM (0.032") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=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

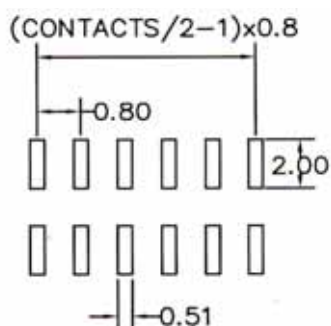
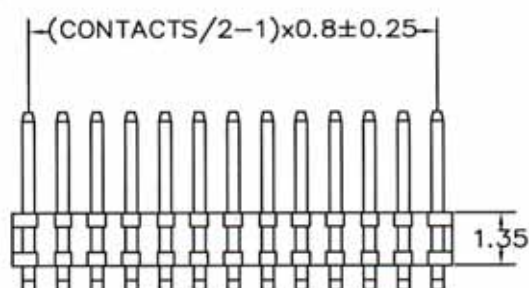
MATERIALS

Insulator: Polyester, UL94V-0

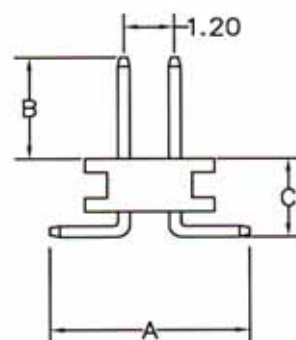
Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout



ORDERING INFORMATION:

CODE: 0 8 2 2 T 1 - $\frac{A}{2}$ - $\frac{B}{3}$ $\frac{C}{4}$ B - $\frac{X}{5}$ $\frac{X}{6}$

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" DOUBLE ROW SMT TYPE

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

3. NO. OF CONTACTS:

004 through 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. LOCATING PEG OPTION:

"0" WITHOUT LOCATING PEG

6. PAD & PACKAGE OPTION:

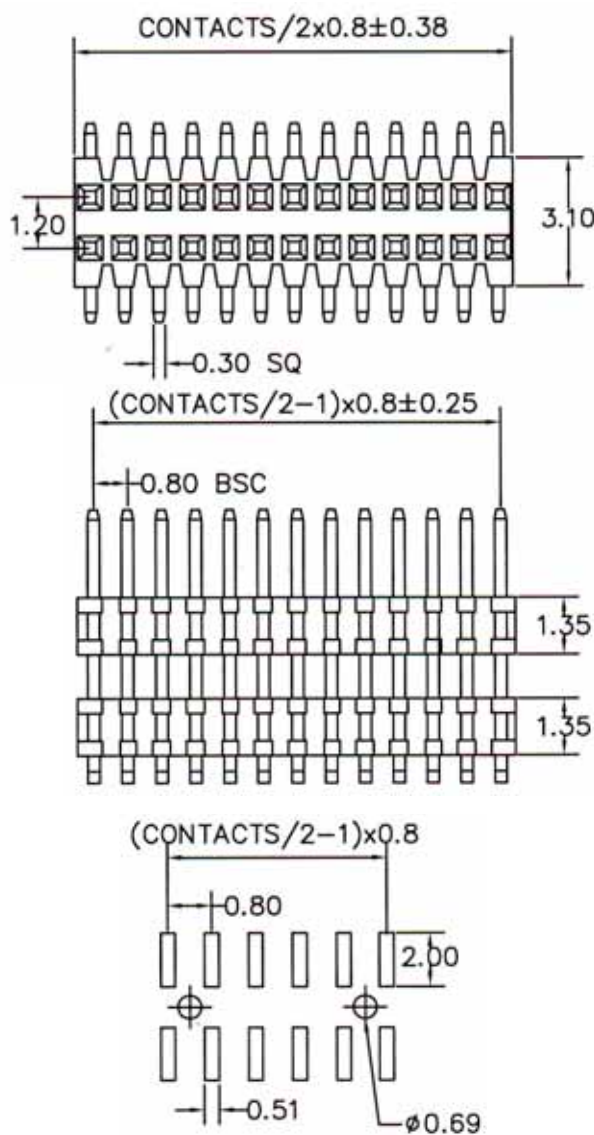
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

0.80MM (0.032") PIN HEADER DOUBLE ROW SMT 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

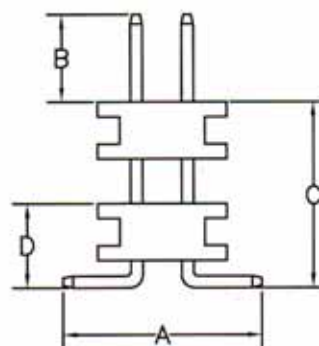
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



ORDERING INFORMATION:

CODE: 0 8 2 2 T 6 - 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:

"2T6" DOUBLE ROW SMT TYPE

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

3. NO. OF CONTACTS:

004 through 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. LOCATING PEG OPTION:

"0" WITHOUT LOCATING PEG

6. PAD & PACKAGE OPTION:

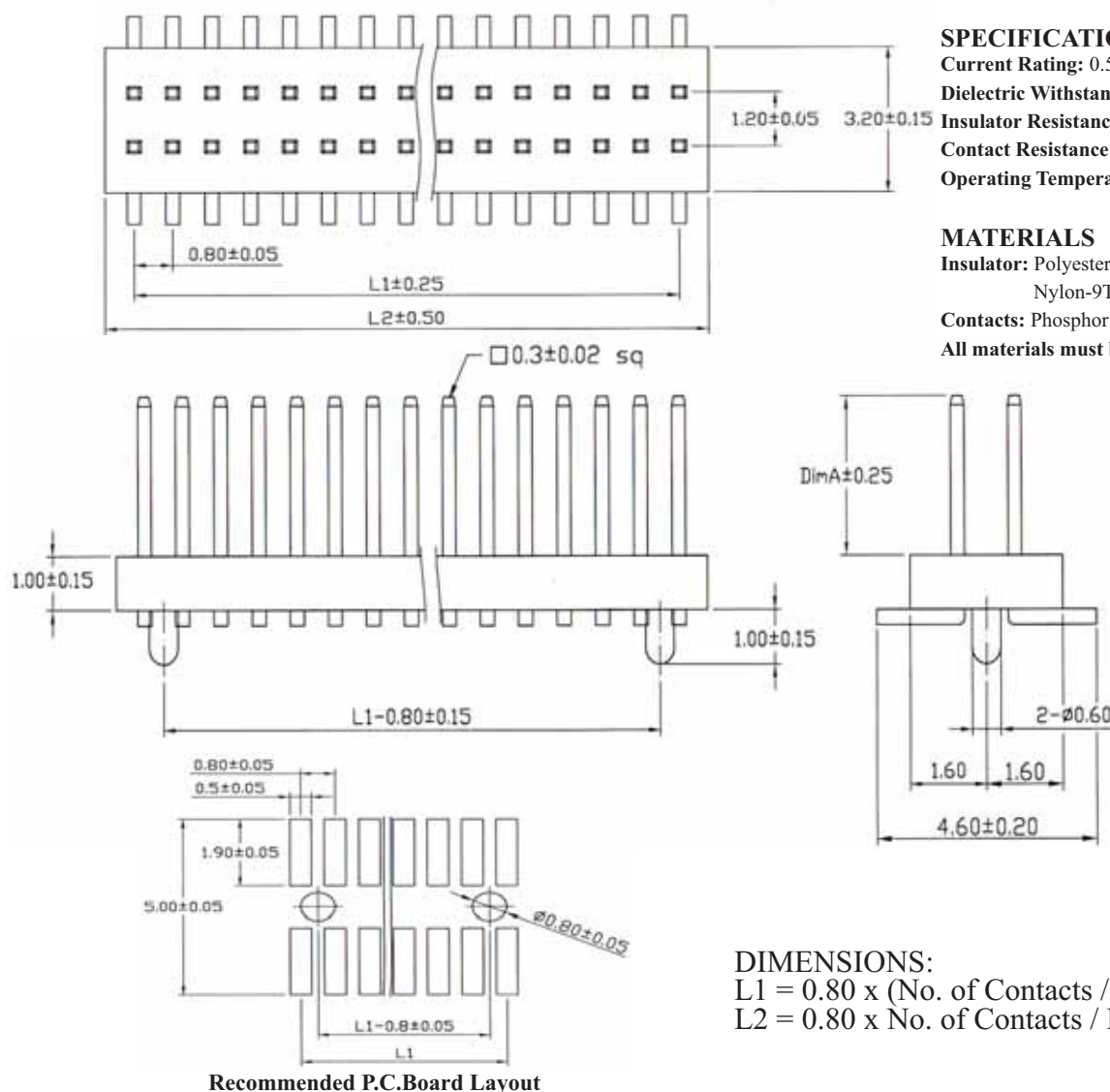
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

0.80MM (0.032") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM



ORDERING INFORMATION:

CODE: 0 8 0 $\frac{2}{1}$ T 3 - $\frac{A}{2}$ - $\frac{x}{3}$ $\frac{x}{4}$ $\frac{x}{5}$ B / $\frac{x}{6}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

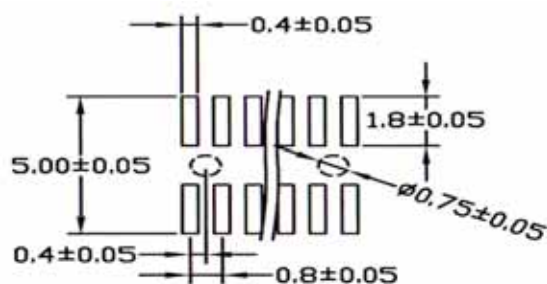
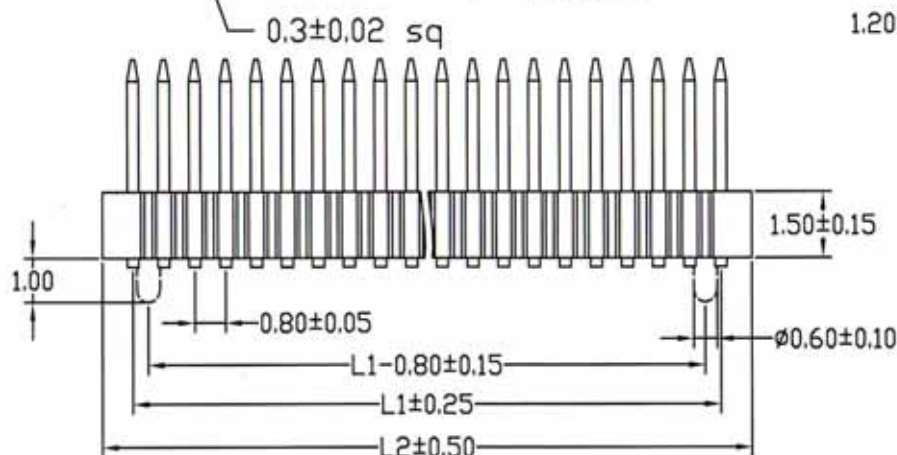
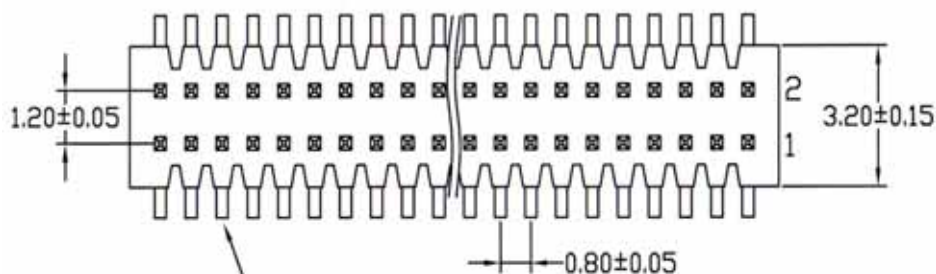
P/N P $\frac{x}{YY}$ $\frac{x}{MM}$ $\frac{x}{DD}$ x - $\frac{x}{3}$ $\frac{x}{4}$ B

1. EXTERIOR CODE:
"2T3" DOUBLE ROW SMT TYPE
2. DIMENSION A (UNIT: mm)
3. NO. OF CONTACTS:
004 through 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

5. LOCATING PEG OPTION:
"0" WITHOUT 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 (0.032") 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

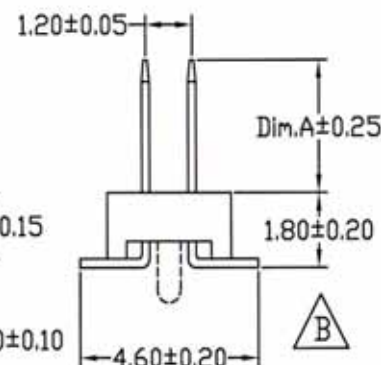
MATERIALS

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 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" DOUBLE ROW SMT TYPE

2. DIMENSION A (UNIT: mm)

3. NO. OF CONTACTS:

004 through 080

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. LOCATING PEG OPTION:

"0" WITHOUT 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 (0.032") 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

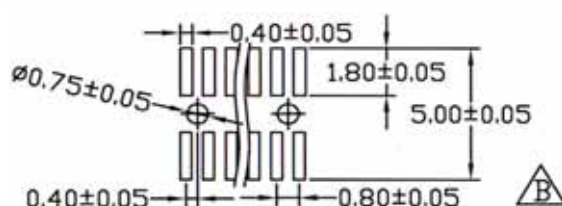
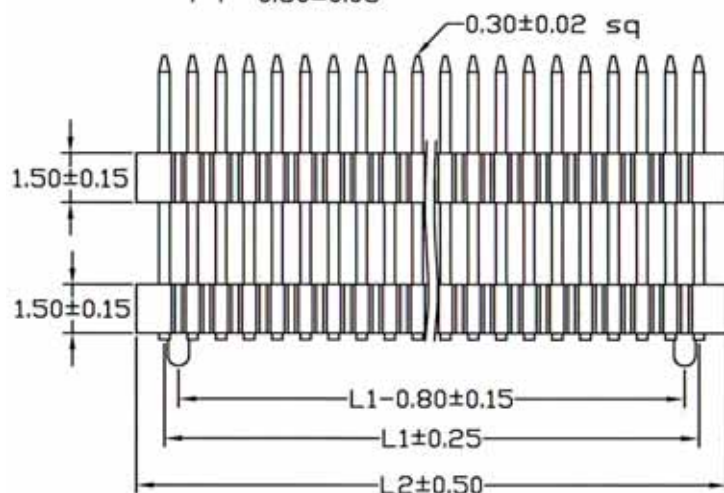
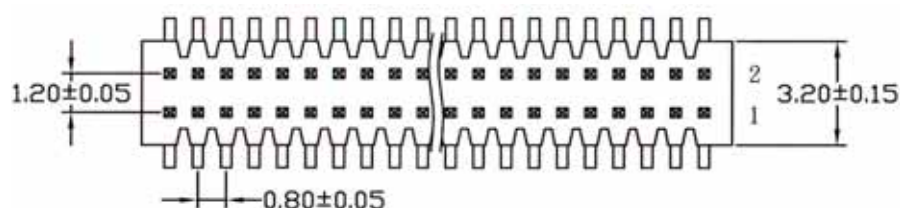
MATERIALS

Insulator: Polyester, UL94V-0

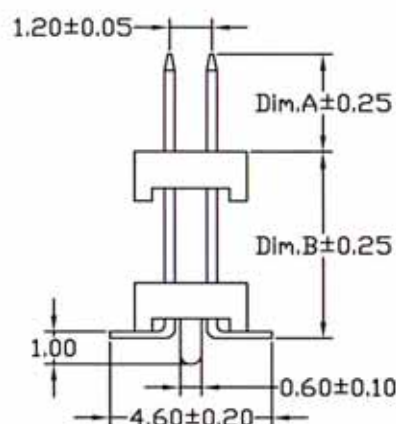
Standard: Nylon-9T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout



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" DOUBLE ROW SMT TYPE

2. DIMENSION A/B (UNIT: mm)

3. NO. OF CONTACTS:

004 through 080

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. LOCATING PEG OPTION:

"0" WITHOUT LOCATING PEG

"1" WITH LOCATING PEG

6. PAD & PACKAGE OPTION:

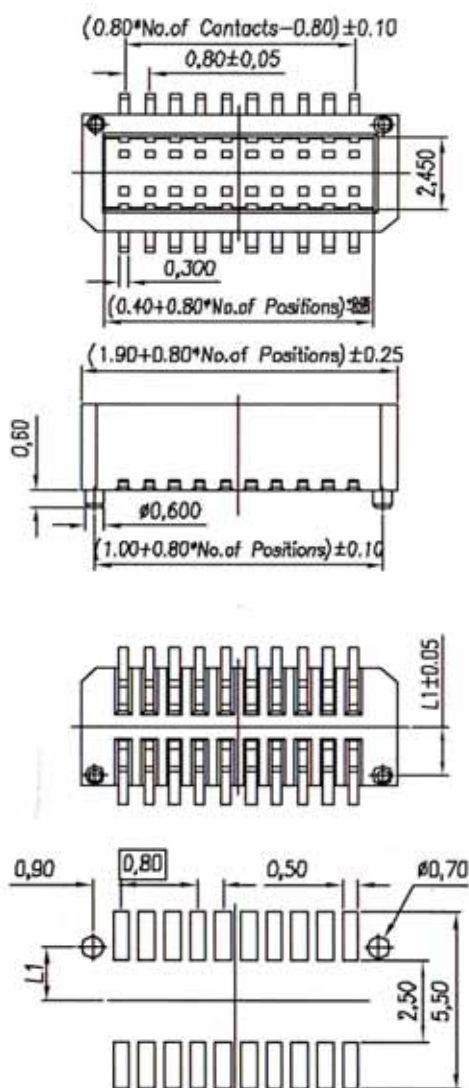
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

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



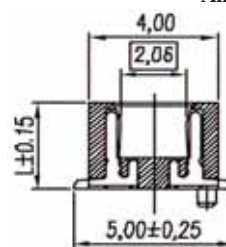
Recommended P.C. Board Layout

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 -xxxxxB-x	080F1 -xxxxxB-x
4.5 mm	080M2 -xxxxxB-x	080F1 -xxxxxB-x
5.0 mm	080M3 -xxxxxB-x	080F1 -xxxxxB-x
5.5 mm	080M4 -xxxxxB-x	080F2 -xxxxxB-x
6.0 mm	080M5 -xxxxxB-x	080F2 -xxxxxB-x
6.5 mm	080M6 -xxxxxB-x	080F2 -xxxxxB-x
7.0 mm	080M6 -xxxxxB-x	080F3 -xxxxxB-x
7.0 mm	080M7 -xxxxxB-x	080F4 -xxxxxB-x

ORDERING INFORMATION:

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

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 through 050

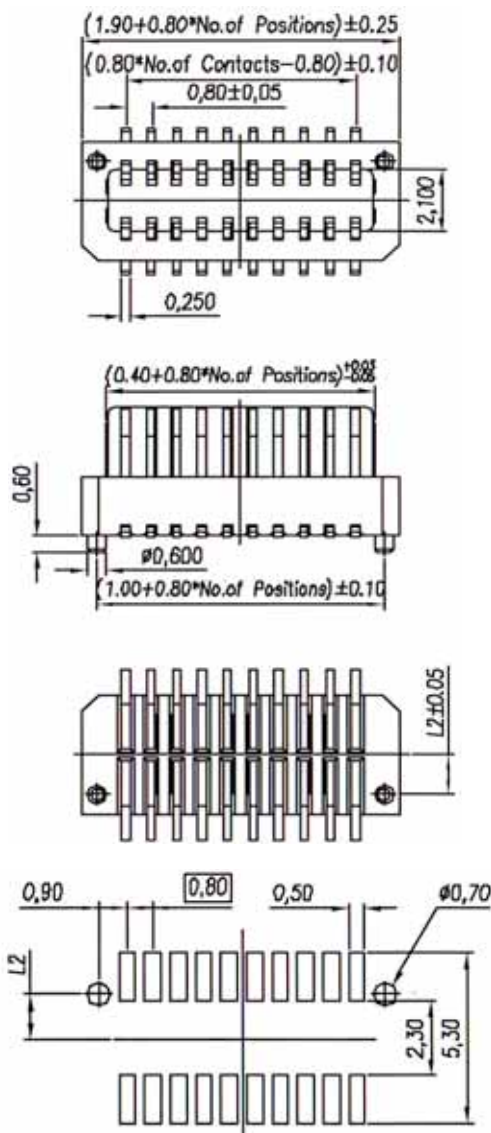
3. CONTACT FINISH:

"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 -xxxxxB-x	080F1-xxxxxB-x
4.5 mm	080M2 -xxxxxB-x	080F1-xxxxxB-x
5.0 mm	080M3 -xxxxxB-x	080F1-xxxxxB-x
5.5 mm	080M4 -xxxxxB-x	080F2-xxxxxB-x
6.0 mm	080M5 -xxxxxB-x	080F2-xxxxxB-x
6.5 mm	080M6 -xxxxxB-x	080F2-xxxxxB-x
7.0 mm	080M6 -xxxxxB-x	080F3-xxxxxB-x
7.0 mm	080M7 -xxxxxB-x	080F4-xxxxxB-x

ORDERING INFORMATION:

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

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 through 050

3. CONTACT FINISH:

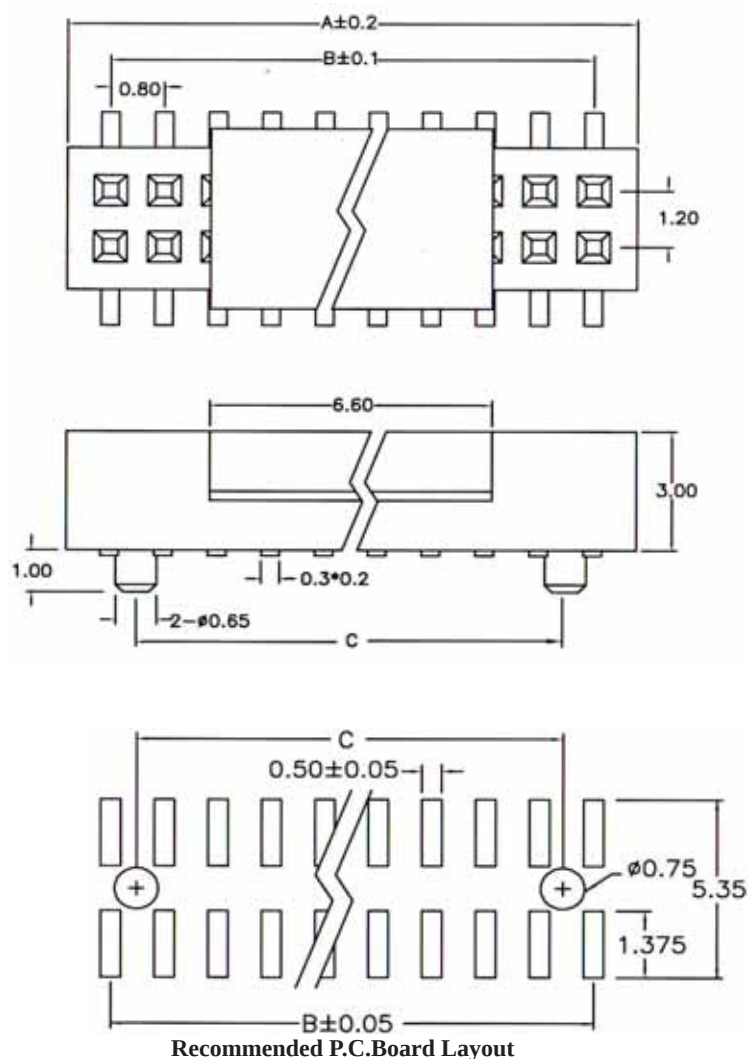
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

0.80MM (0.032") FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=3.00MM (B1)

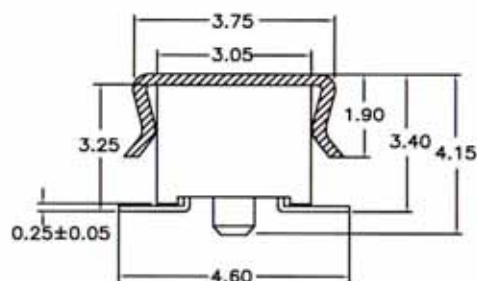


SPECIFICATIONS

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:

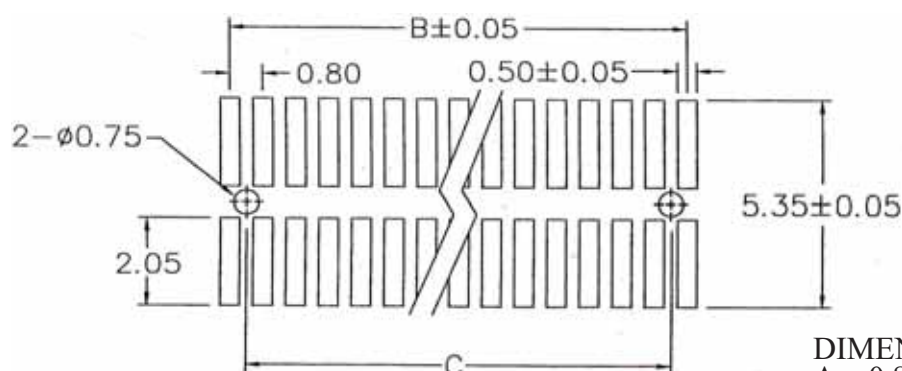
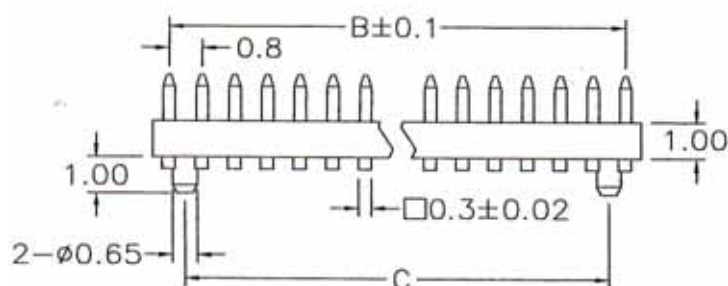
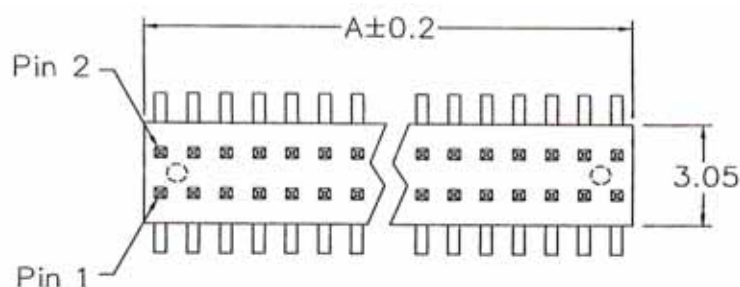
P/N 080 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:
 "SG" W/O LOCATING PEG
 "SH" WITH LOCATING PEG
2. NO. OF CONTACTS:
 006 through 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: MATES WITH 080QN & 080QP
 PIN HEADERS

0.80MM (0.032") PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.00MM (B2)



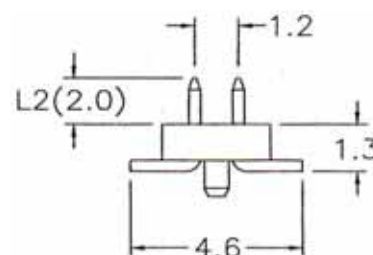
Recommended P.C.Board Layout

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 $\frac{x}{1}x - \frac{x}{2}x \frac{x}{3}B - \frac{x}{4}$

1. LOCATING PEG OPTION:

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

2. NO. OF CONTACTS:

006 through 100

3. CONTACT FINISH:

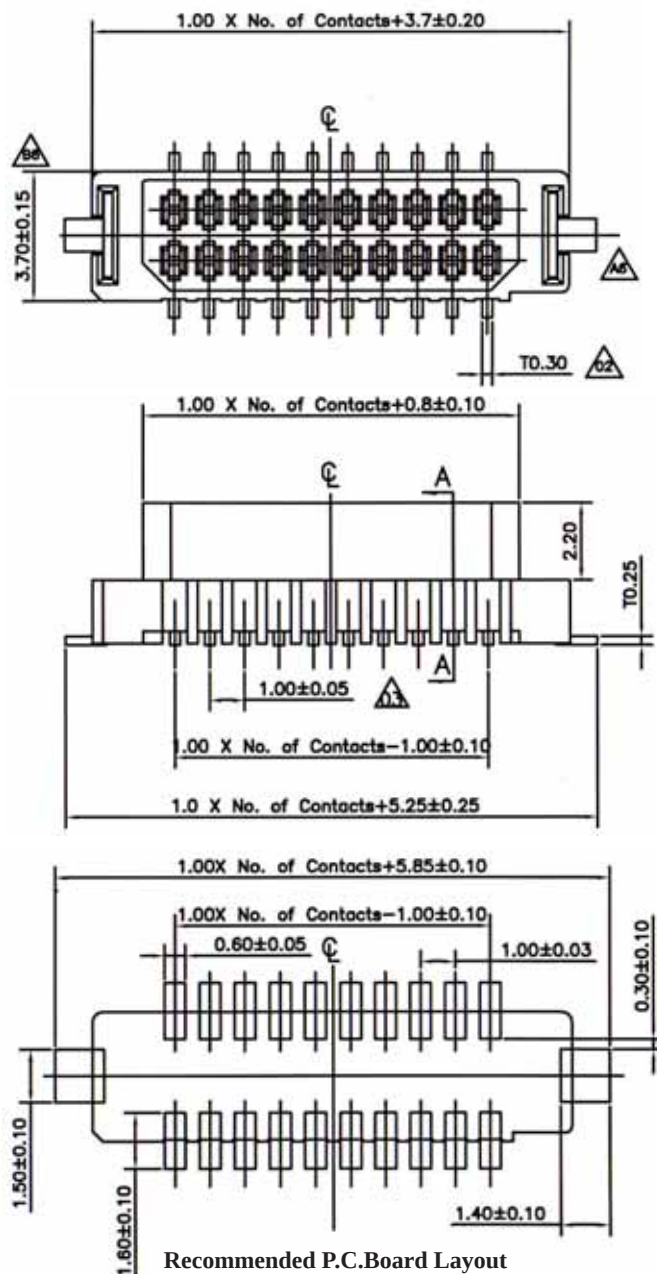
"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

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

NOTE: MATES WITH 080SG & 080SH
 FEMALE HEADERS

1.00MMx1.45MM BOARD-TO-BOARD FEMALE CONNECTOR SMT TYPE (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.

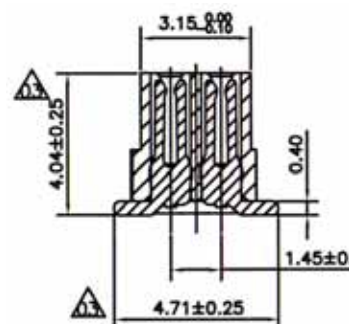
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



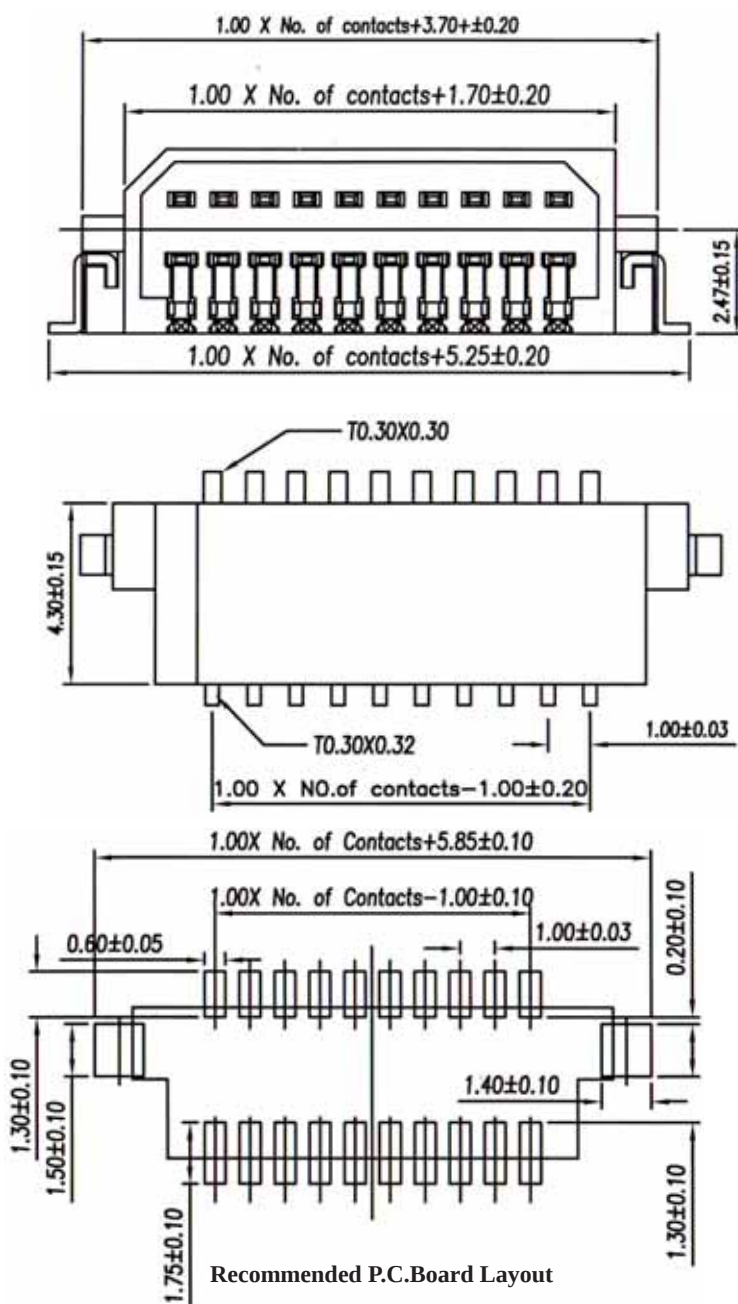
ORDERING INFORMATION:

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

1. NO. OF CONTACTS:
010 through 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 MALE CONNECTOR SMT TYPE (A2)



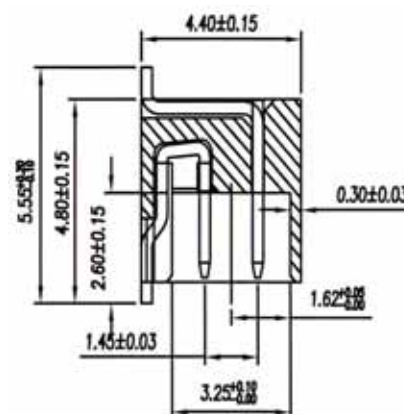
SPECIFICATIONS

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.



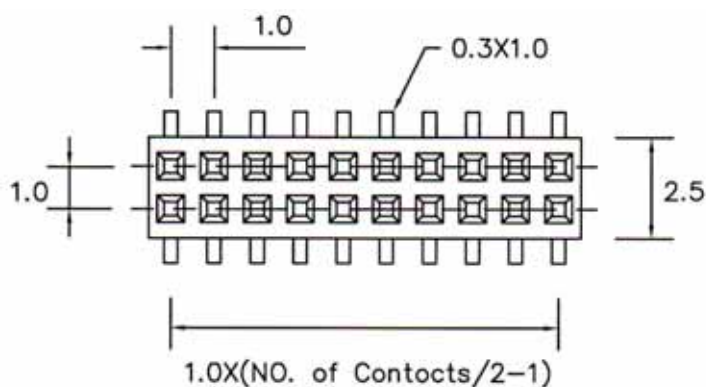
ORDERING INFORMATION:

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

1. NO. OF CONTACTS:
010 through 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 TOP ENTRY SMT TYPE PROFILE=2.10MM



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.

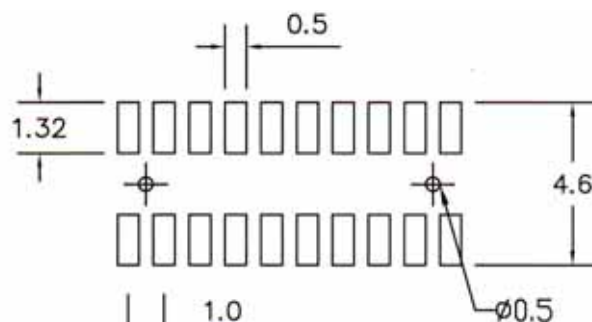
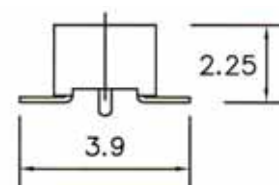
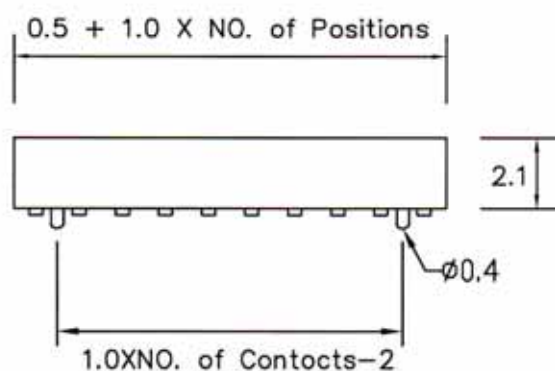
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

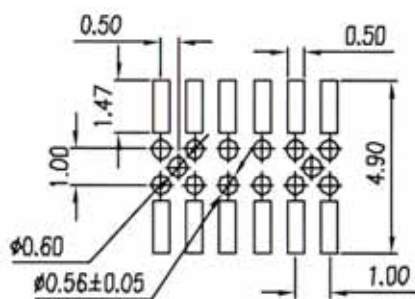
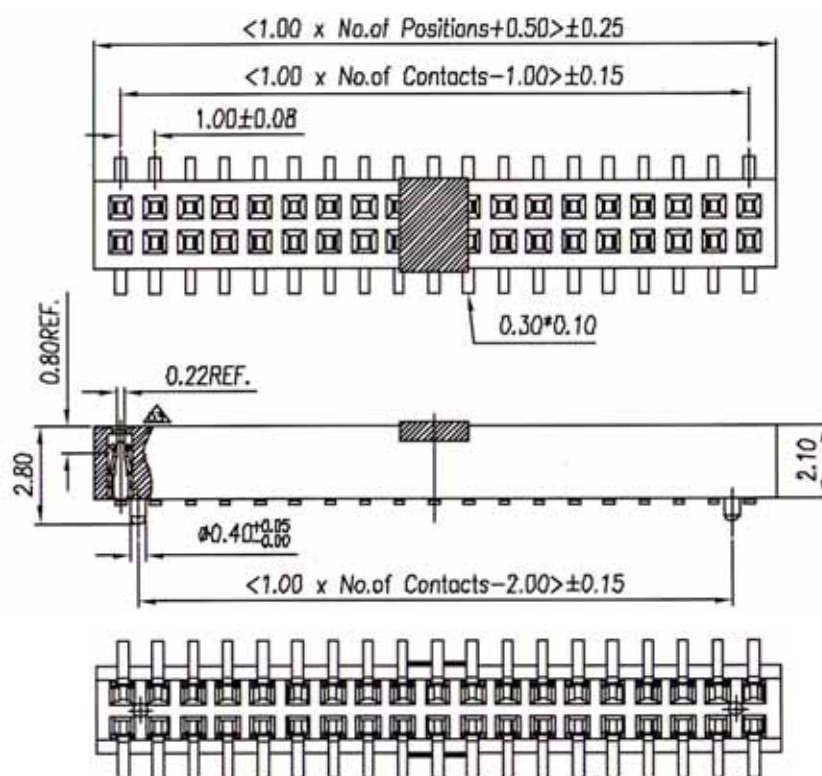
P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ G B - $\frac{x}{4}$

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

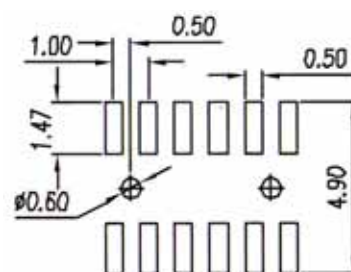
4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

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



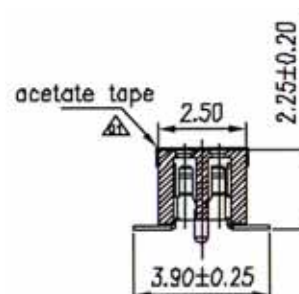
Recommended P.C. Board Layout
For Top Entry

SPECIFICATIONS

Current Rating: 0.5 Amp
Dielectric Withstand: 200V AC
Insulator Resistance: 5000 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:

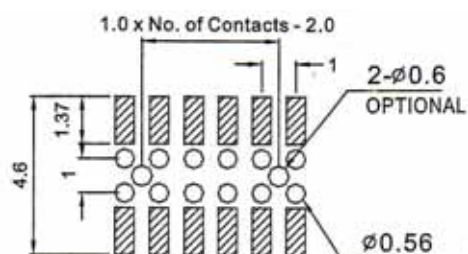
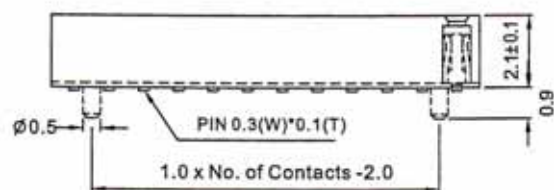
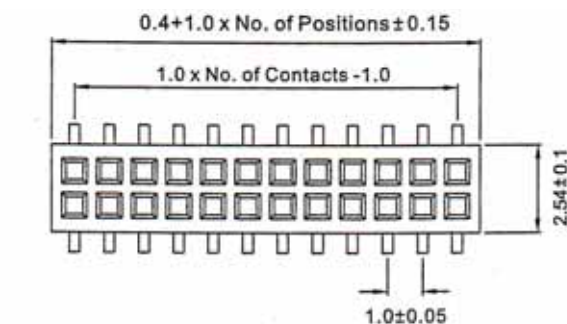
P/N 1 0 0 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

- CONNECTOR TYPE:
"FQ" W/O LOCATING PEG
"GX" WITH LOCATING PEG
- NO. OF CONTACTS:
006 through 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.

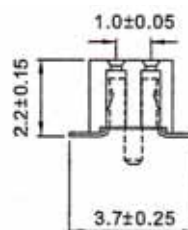
MATERIALS

Insulator: Polyester, UL94V-0

LCP

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



ORDERING INFORMATION:

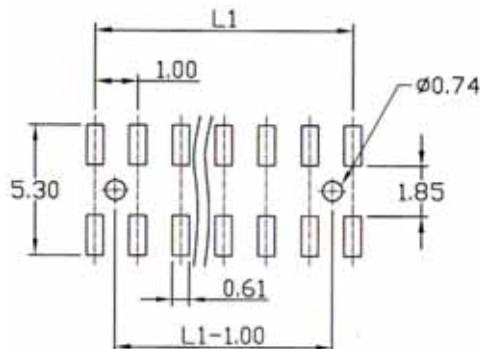
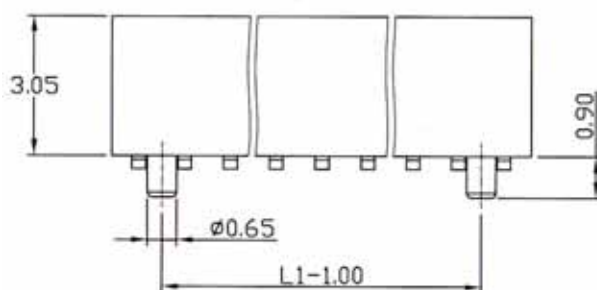
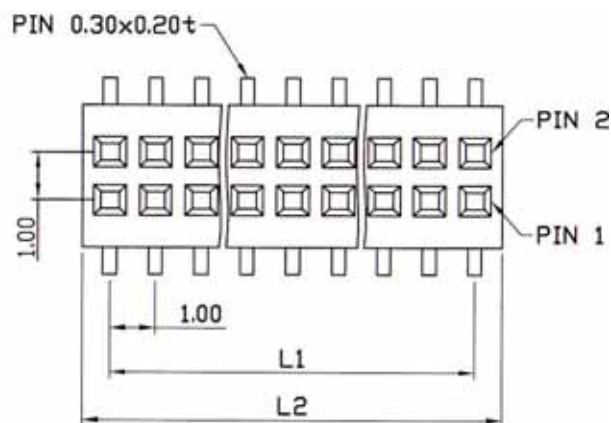
P/N 1 0 0 $\frac{x}{1}$ $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:
"GN" W/O LOCATING PEG
"GR" WITH LOCATING PEG
2. NO. OF CONTACTS:
006 through 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

PAD = Pick & place Pad

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



Recommended P.C.Board Layout

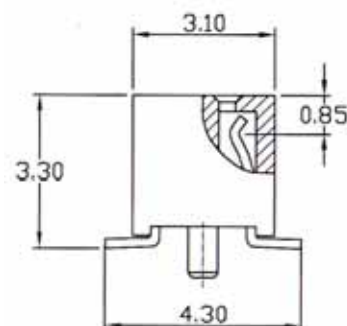
SPECIFICATIONS

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:

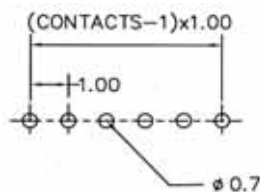
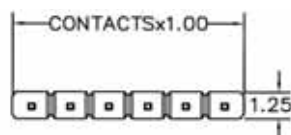
P/N 1 0 0 $\frac{GV}{1}$ - $\frac{xxx}{2}$ $\frac{B}{3}$ - $\frac{x}{4}$

1. LOCATING PEG OPTION:
"GV" WITH LOCATING PEG ONLY
2. NO. OF CONTACTS:
004 through 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED

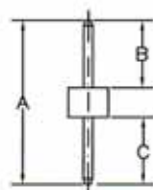
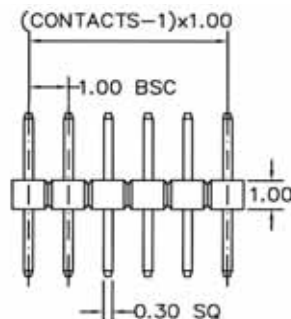
4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

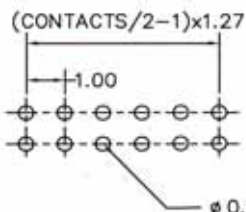
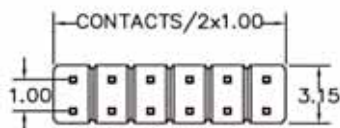
1.00MM(0.039") PIN HEADER STRAIGHT TYPE PROFILE= 1.00MM - 1.50MM



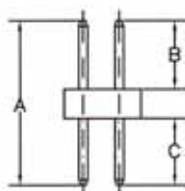
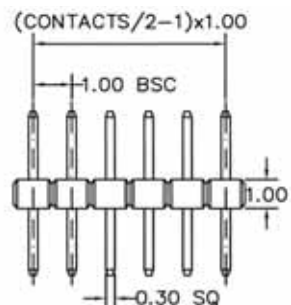
Recommended P.C.Board Layout



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.

ORDERING INFORMATION:

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

1. TERMINAL TYPE:

SINGLE ROW

"PG" A/B/C= 6.0/3.0/2.0mm

"PJ" A/B/C= 4.1/1.9/1.2mm

"PK" A/B/C= 10.7/3.2/6.5mm

DOUBLE ROW

"PH" A/B/C= 6.0/3.0/2.0mm

"PM" A/B/C= 4.1/1.9/1.2mm

"PN" A/B/C= 10.7/3.2/6.5mm

2. NO. OF CONTACTS:

002 through 050 for SINGLE ROW

004 through 100 for DOUBLE ROW

3. CONTACT FINISH:

"G" FULL GOLD PLATED

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 0 $\frac{XXXX}{1}$ - $\frac{A/B/C}{2}$ - $\frac{XXX}{3}$ $\frac{X}{4}$ B

THEN WE WILL GIVE YOU:

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

1. EXTERIOR CODE:

SINGOL ROW: profile 1.0mm "11S6"

DOUBLE ROW: profile 1.0mm "02S6"

profile 1.5mm "22S6"

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

3. NO. OF CONTACTS:

002 through 100

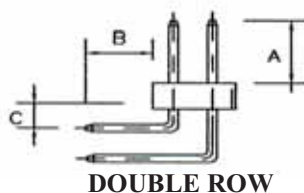
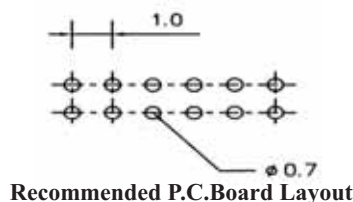
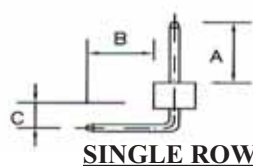
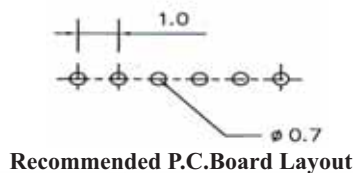
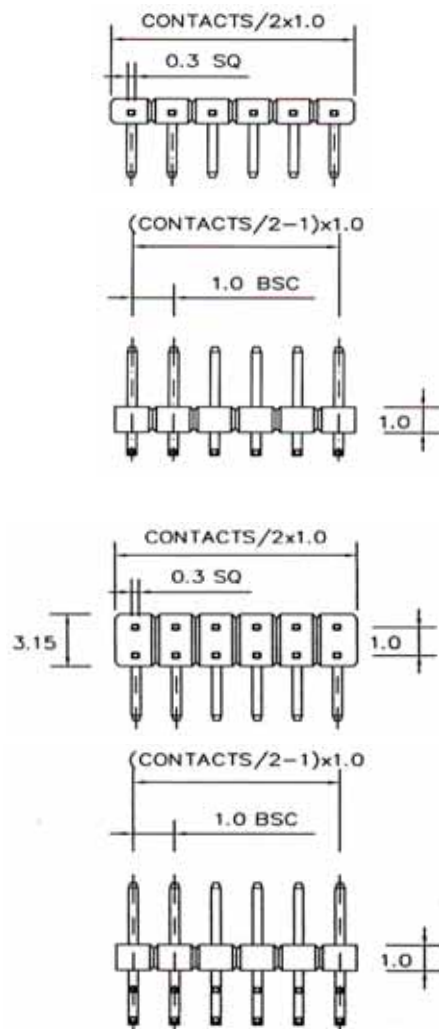
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER RIGHT ANGLE TYPE PROFILE= 1.00MM - 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 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{GB}{3}$

1. TERMINAL TYPE:

SINGLE ROW

"PL" A/B/C= 2.0/2.0/1.0mm

"PP" A/B/C= 3.2/6.5/1.8mm

DOUBLE ROW

"PR" A/B/C= 2.0/2.0/1.0mm

"PS" A/B/C= 3.2/6.5/1.8mm

2. NO. OF CONTACTS:

002 through 050 for SINGLE ROW

004 through 100 for DOUBLE ROW

3. CONTACT FINISH:

"G" FULL GOLD PLATED

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 0 $\frac{XXXX}{1}$ - $\frac{A/B/C}{2}$ - $\frac{XXX}{3}$ $\frac{XB}{4}$

THEN WE WILL GIVE YOU:

Part N.: P $\frac{XX}{YY}$ $\frac{XXX}{MM}$ $\frac{XXX}{DD}$ - $\frac{XXX}{3}$ $\frac{XB}{4}$

1. EXTERIOR CODE:

SINGOL ROW: profile 1.0mm "11D6"

DOUBLE ROW: profile 1.0mm "02D6"

profile 1.5mm "22D6"

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

3. NO. OF CONTACTS:

002 through 100

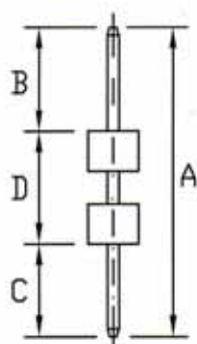
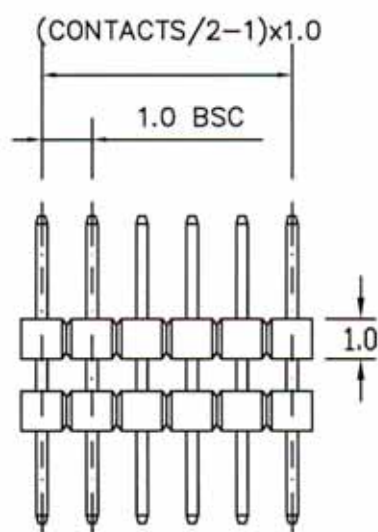
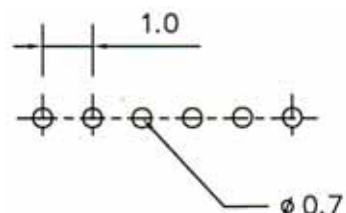
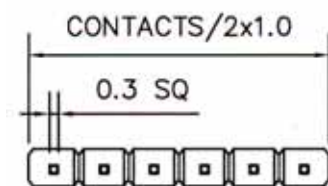
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.00MM(0.039") PIN HEADER SINGLE 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:

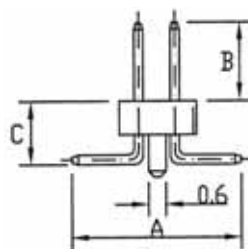
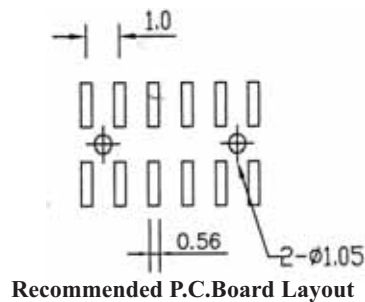
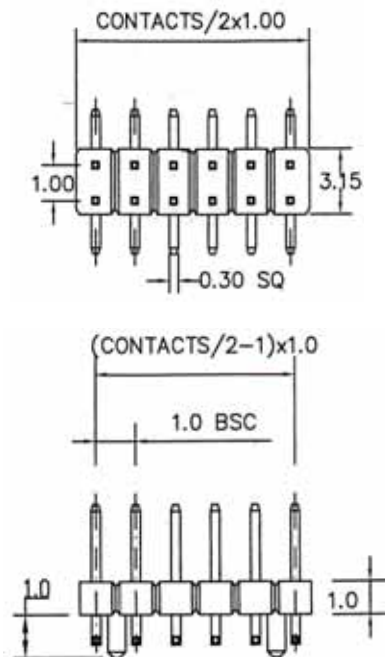
CODE: 1 0 1 1 S 8 - A/B/C/D - x x x x B
1 2 3 4

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" SINGLE ROW STRAIGHT
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
002 through 050
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= 1.00MM



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:

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

1. TERMINAL TYPE:

W/O LOCATING PEG

"SA" A/B/C= 5.2/3.9/1.3mm

"SB" A/B/C= 5.2/2.1/1.3mm

"SC" A/B/C= 4.2/2.0/3.05mm

"SL" A/B/C= 5.2/1.9/1.8mm

"SP" A/B/C= 5.2/3.2/2.8mm

WITH LOCATING PEG

"SD" A/B/C= 5.2/3.9/1.3mm

"SG" A/B/C= 5.2/2.1/1.3mm

2. NO. OF CONTACTS:

004 through 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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 0 0 $\frac{2Tx}{1}$ - $\frac{A/B/C}{2}$ - $\frac{xxx}{3}$ $\frac{x}{4}$ B - $\frac{x}{5}$

THEN WE WILL GIVE YOU:

Part N.: P $\frac{xx}{YY}$ $\frac{xxx}{MM}$ $\frac{xxx}{DD}$ - $\frac{xxx}{3}$ $\frac{x}{4}$ 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 through 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

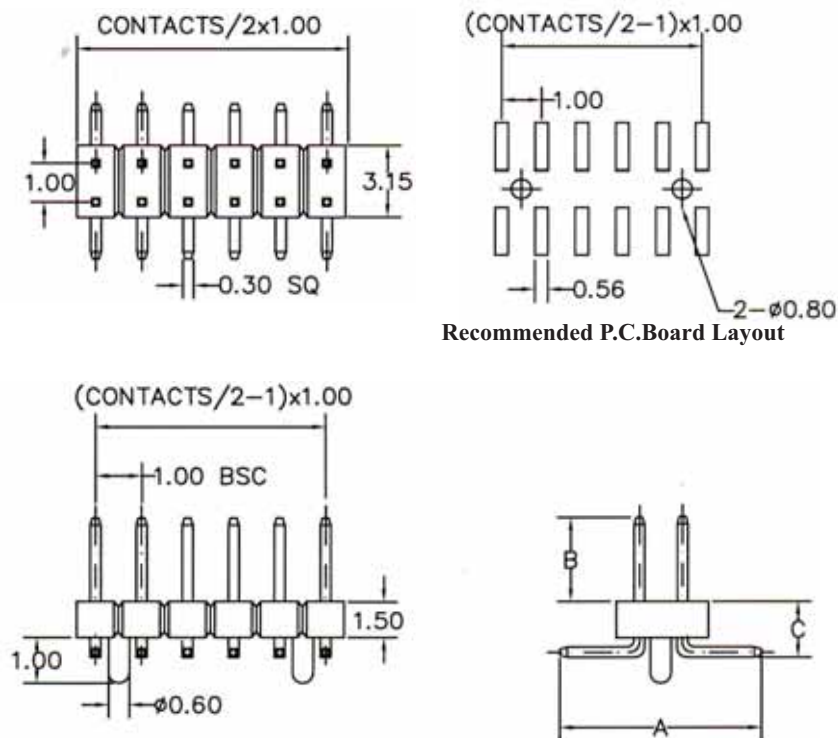
5. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

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 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

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 through 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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 0 2 $\frac{2T}{1} - \frac{A/B/C}{2} - \frac{XXX}{3} \frac{X}{4} B - \frac{X}{5}$

THEN WE WILL GIVE YOU:

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

1. EXTERIOR CODE:

"2T1" W/O LOCATING PEG

"2T4" WITH LOCATING PEG

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

3. NO. OF CONTACTS:

004 through 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

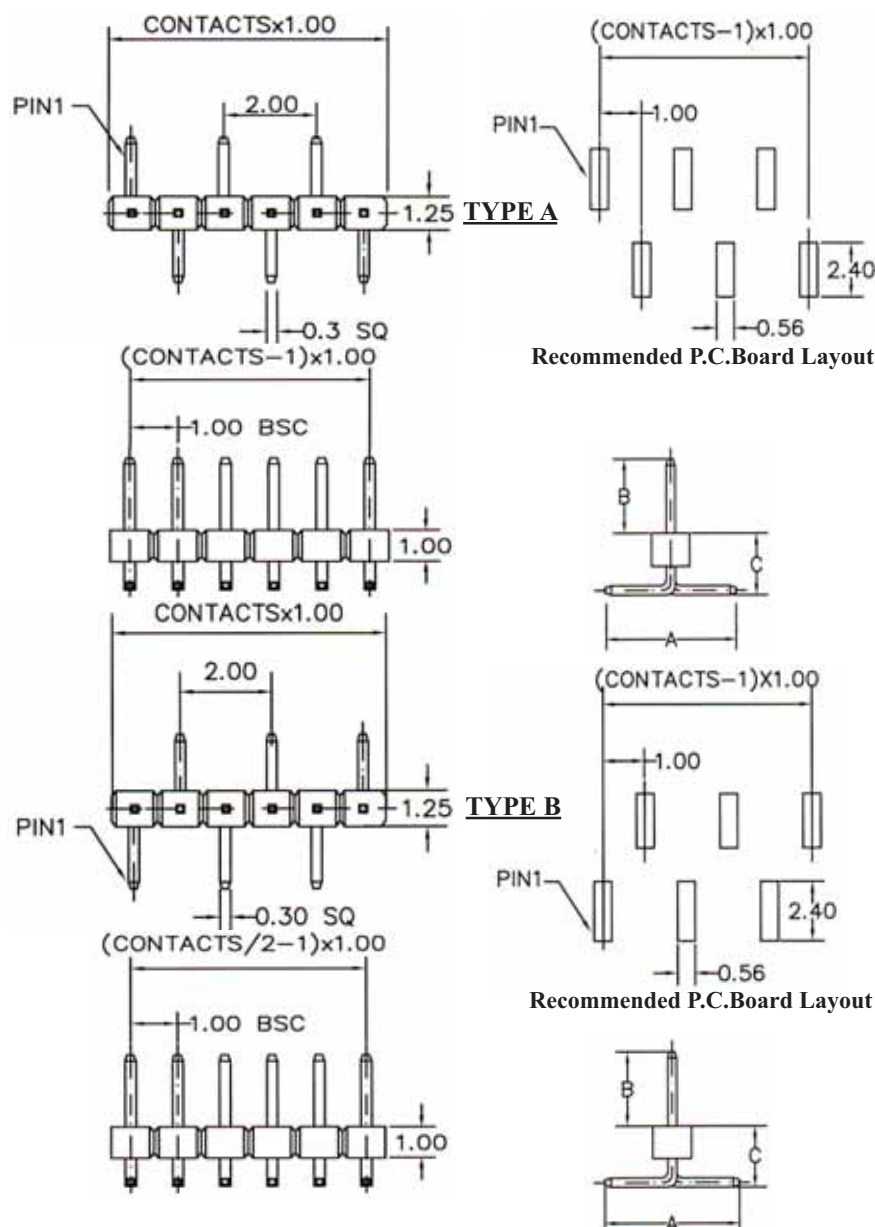
5. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

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" SINGLE ROW SMT TYPE

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

3. NO. OF CONTACTS:

002 through 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:

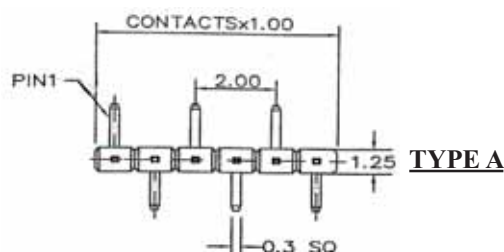
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

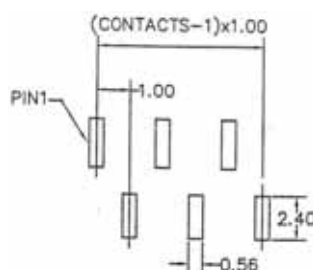
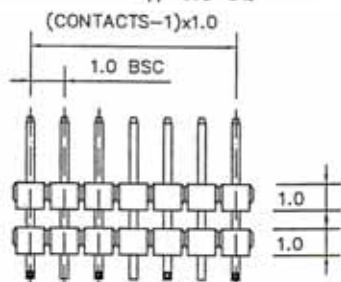
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

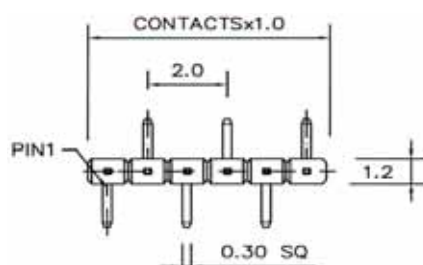
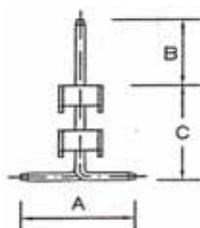
1.00MM(0.039") PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM



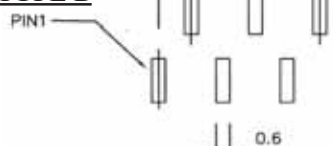
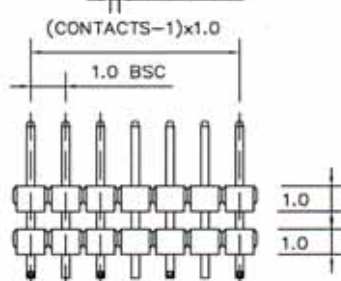
TYPE A



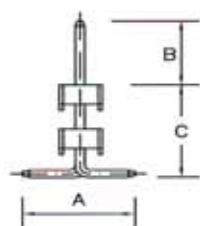
Recommended P.C.Board Layout



TYPE B



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 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

1. EXTERIOR CODE:

"1M4" SINGLE ROW SMT TYPE

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

3. NO. OF CONTACTS:

002 through 040

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

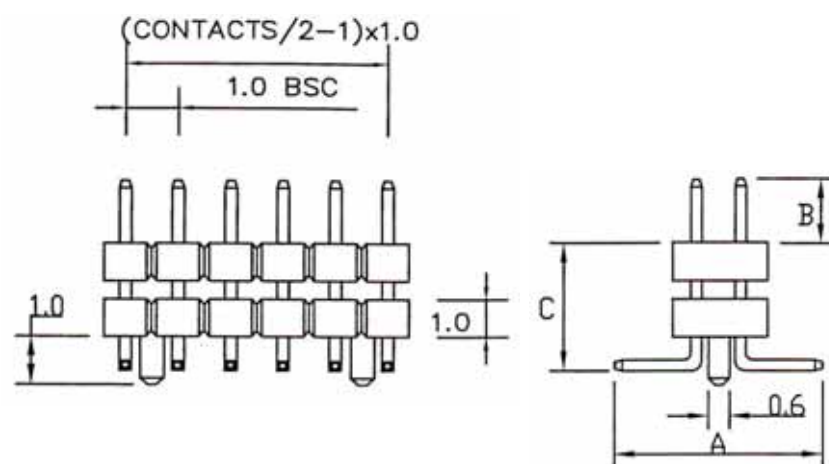
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad



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.)

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



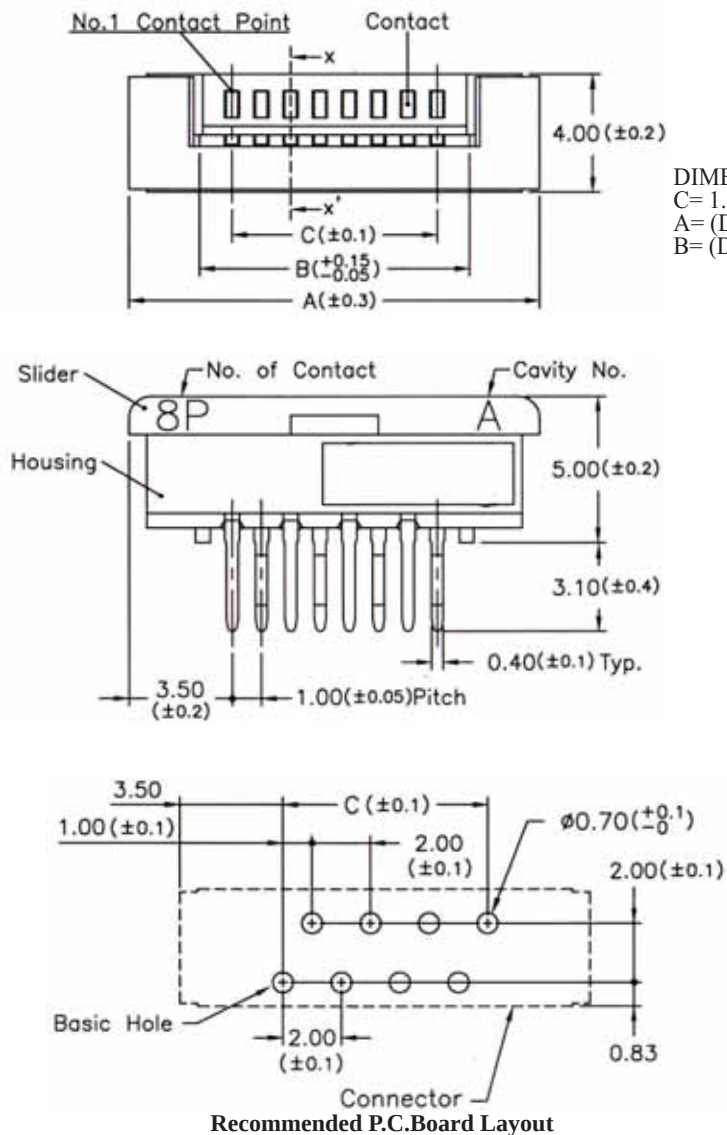
CODE: 1 0 0 $\frac{2}{1}$ T_x - $\frac{A/B/C}{2}$ - $\frac{x x x x}{3} \frac{B}{4}$ - $\frac{x}{5}$

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

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

ELITALIA S.r.l.

1.00MM FFC/FPC ZIF CONNECTOR TOP ENTRY DIP 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

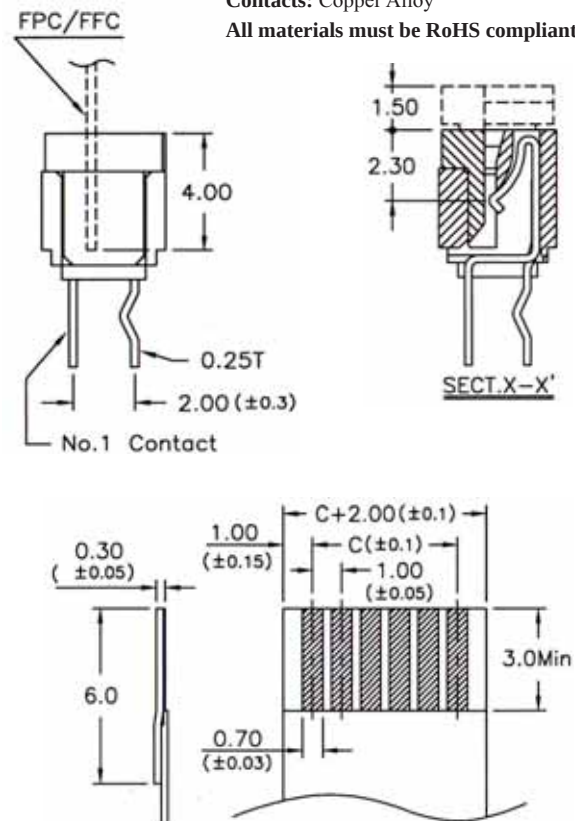
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

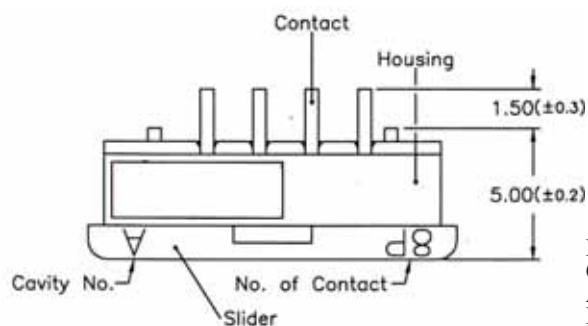


ORDERING INFORMATION:

P/N 100 $\frac{xx}{1}$ - $\frac{xxx}{2}$ TW - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BA" STRAIGHT TYPE
2. NO. OF CONTACTS:
004 through 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

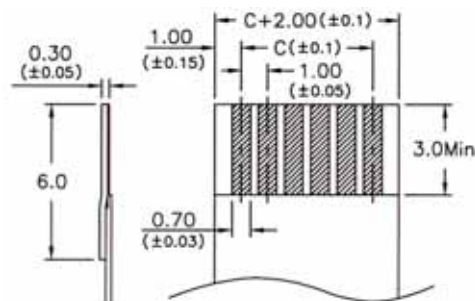
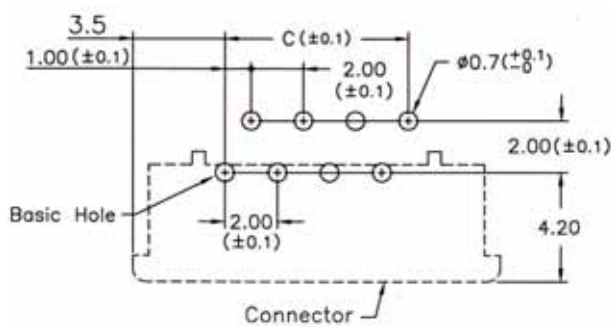
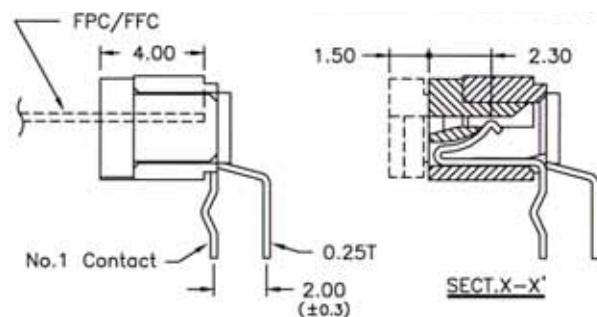
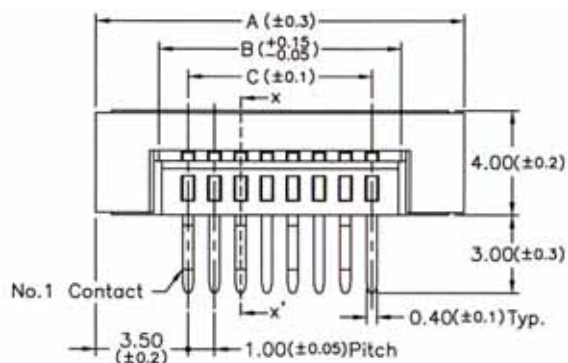
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



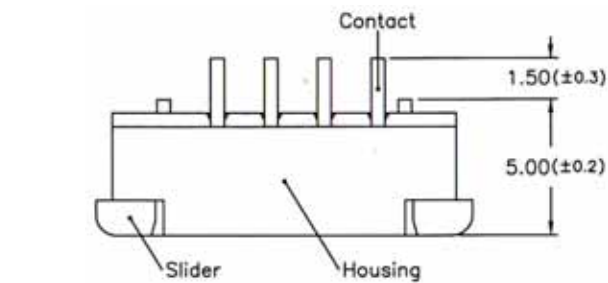
FPC/FFC INSERT DIRECTION
Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 100 $\frac{xx}{1}$ - $\frac{xx}{2}$ TW - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BB" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
004 through 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

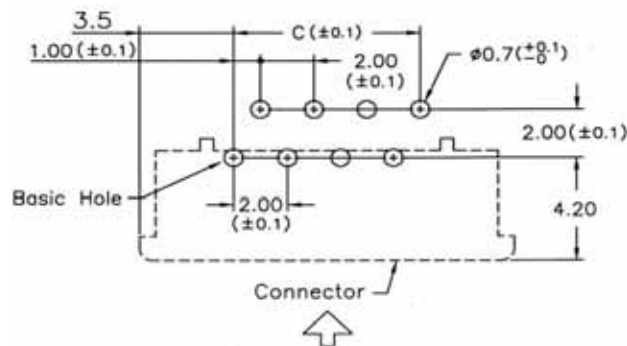
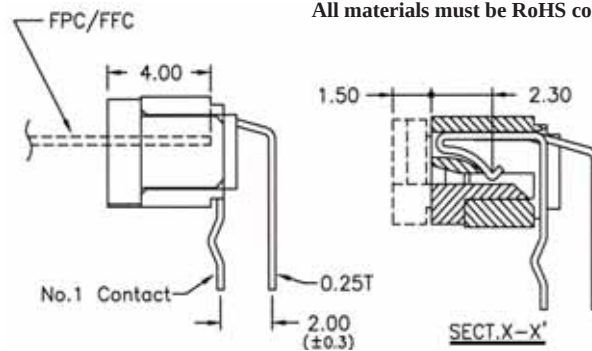
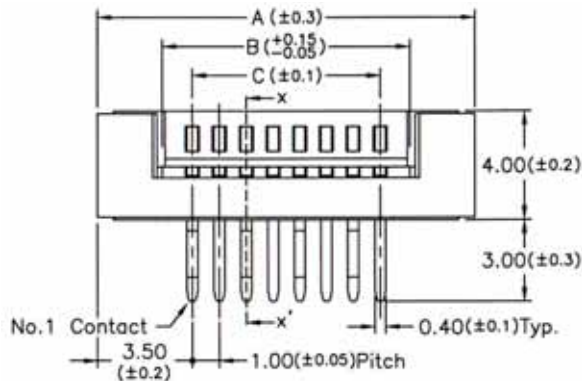
MATERIALS

Insulator: Thermoplastic, UL94V-0

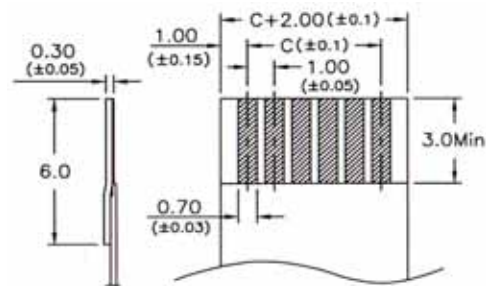
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



FPC/FFC INSERT DIRECTION
 Recommended P.C.Board Layout

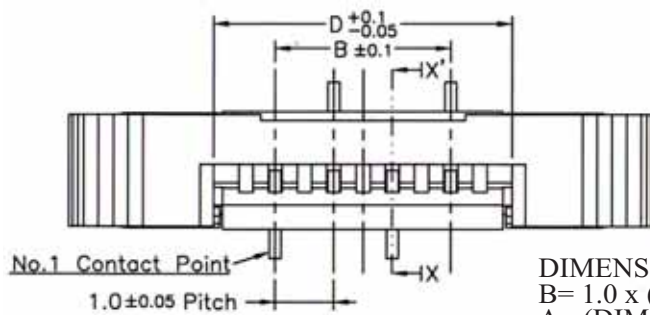


ORDERING INFORMATION:

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 through 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

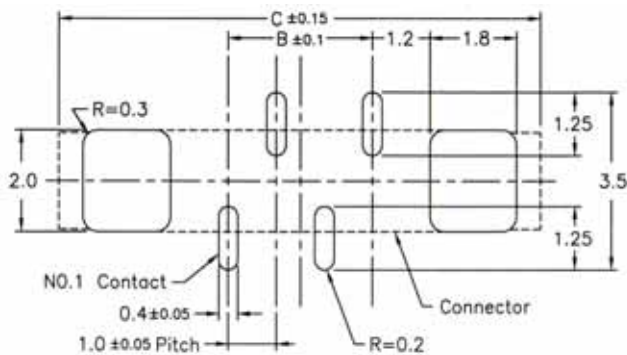
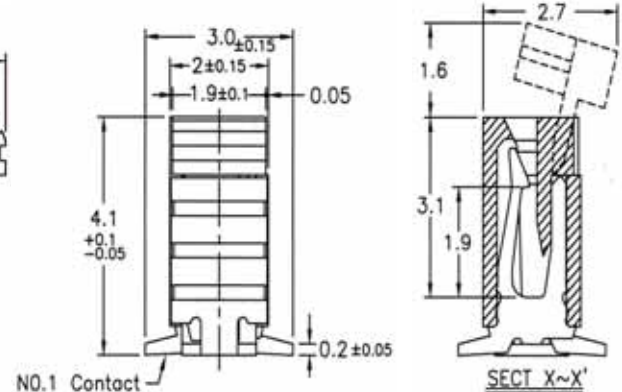
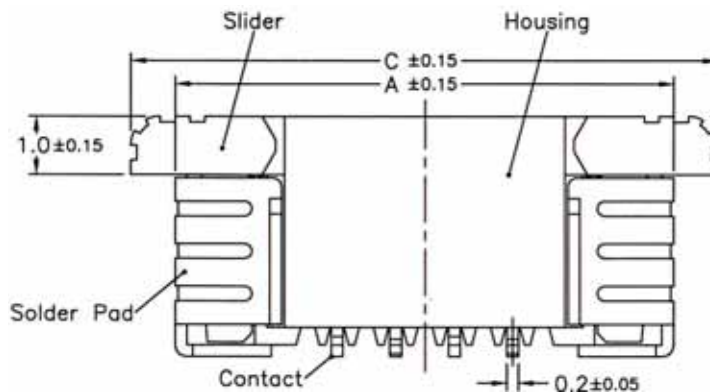
Operating Temperature: -55°C to +85°C

MATERIALS

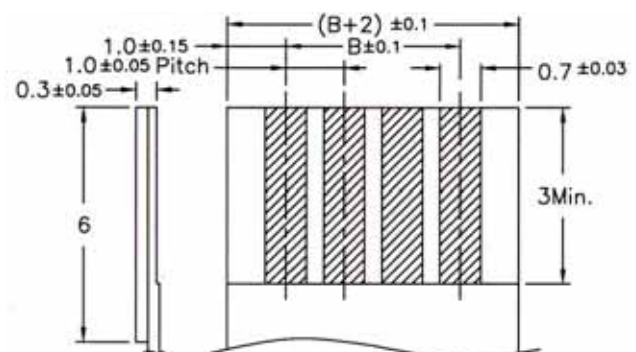
Insulator: Thermoplastic, UL94V-0
 PA46

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C. Board Layout

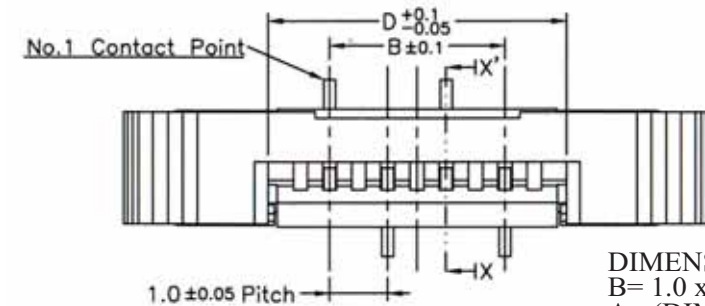


ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"BG" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 through 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

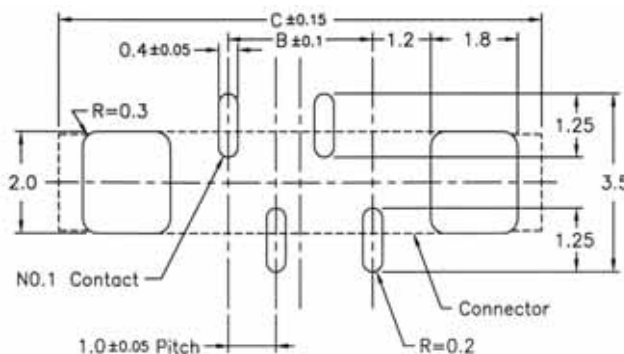
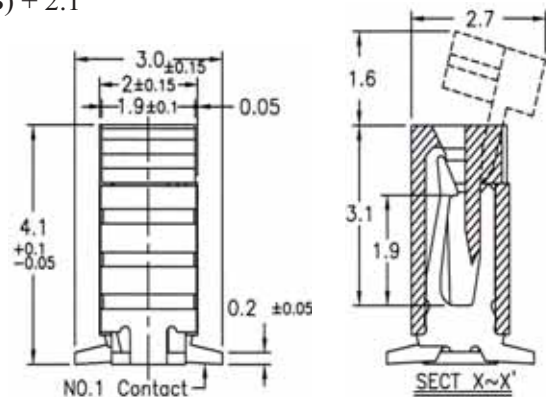
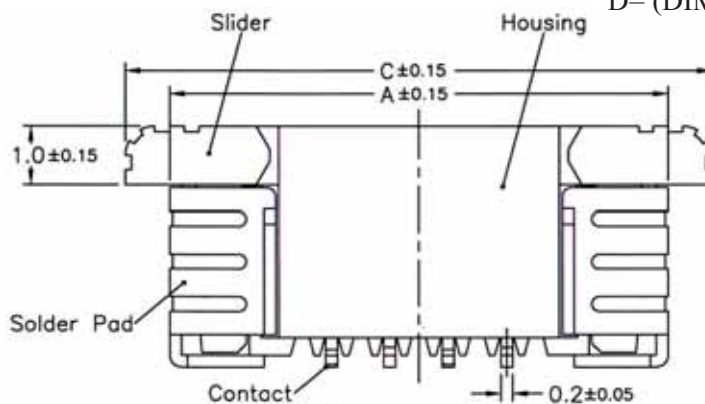
MATERIALS

Insulator: Thermoplastic, UL94V-0

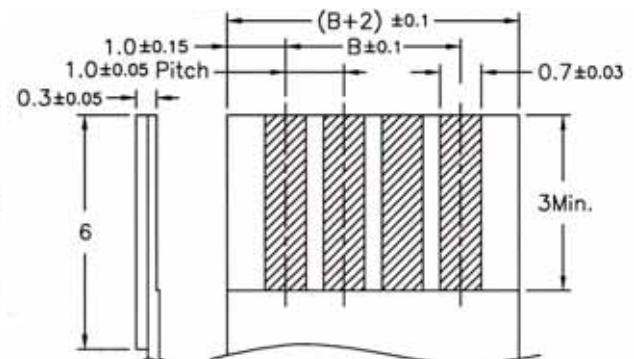
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

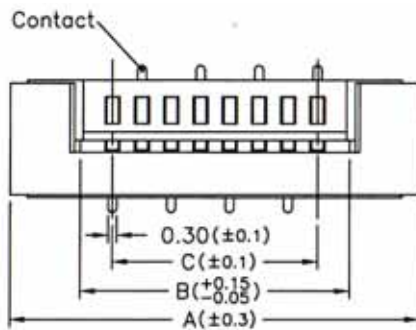


ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"BJ" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
004 through 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

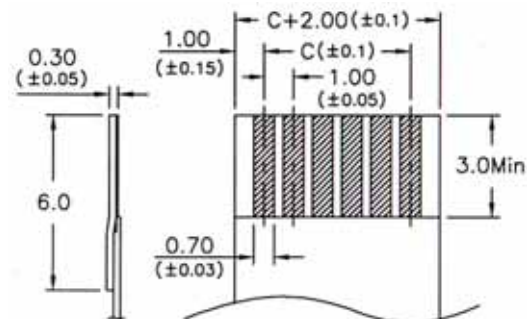
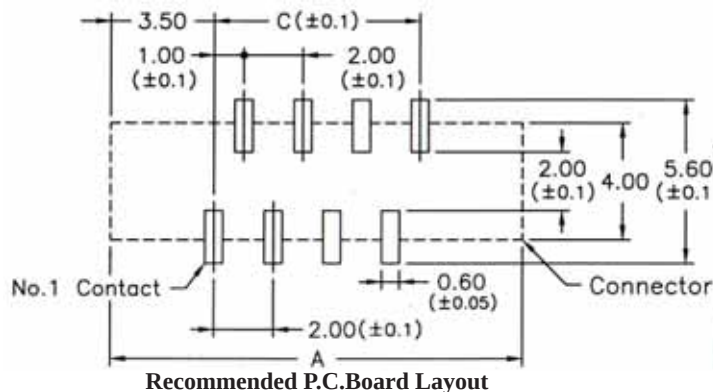
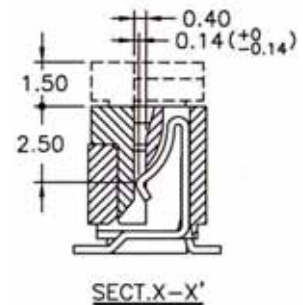
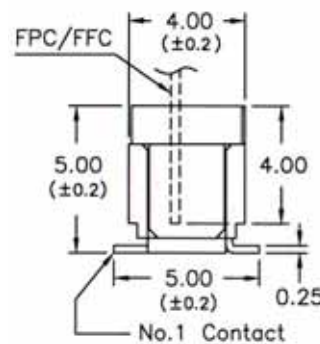
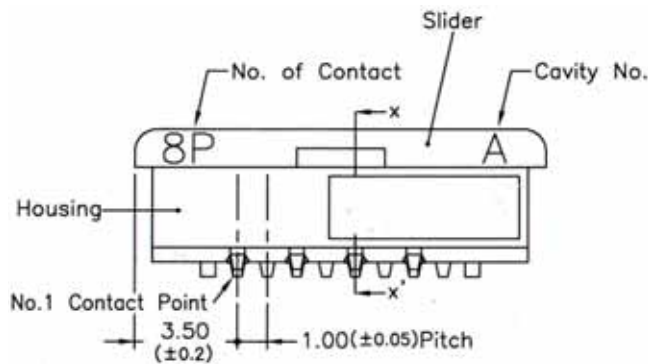
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

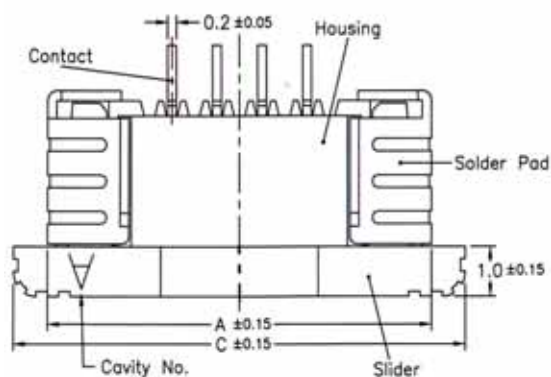


ORDERING INFORMATION:

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 through 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

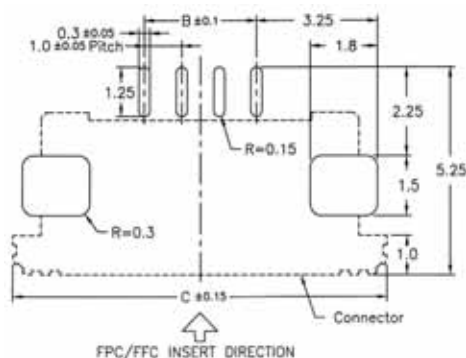
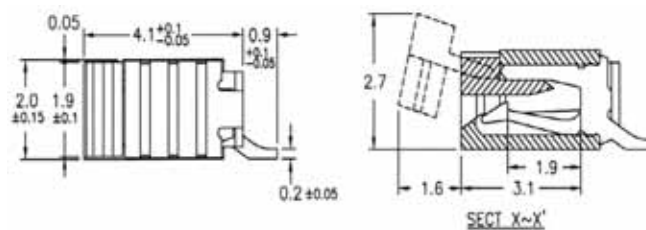
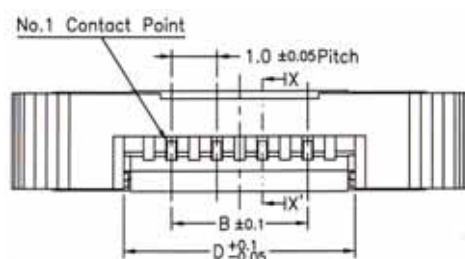
Operating Temperature: -55°C to $+85^\circ\text{C}$

MATERIALS

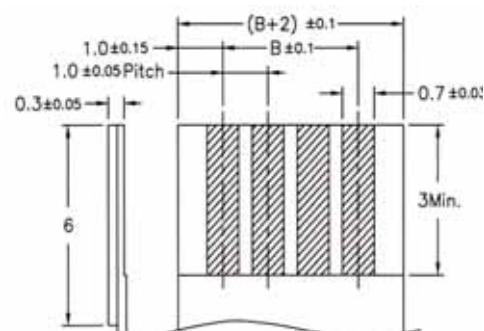
Insulator: Thermoplastic, UL94V-0
 PA46

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

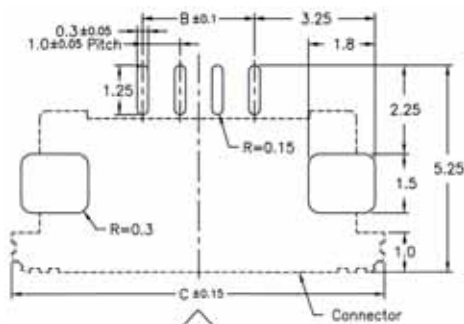
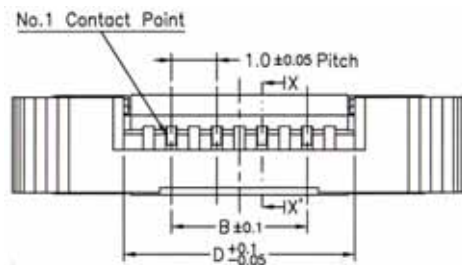
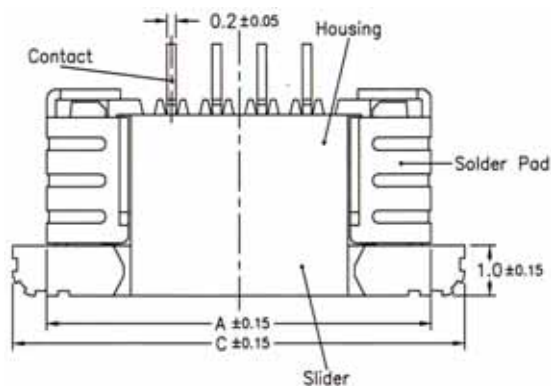


ORDERING INFORMATION:

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

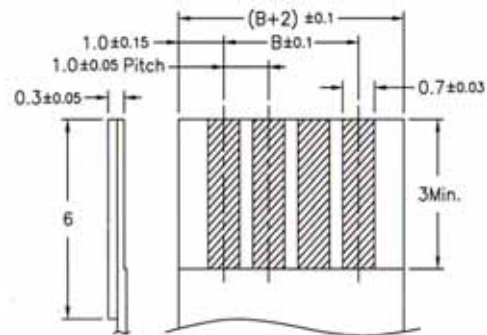
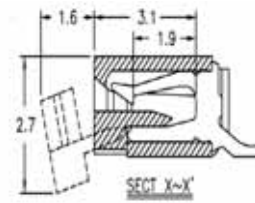
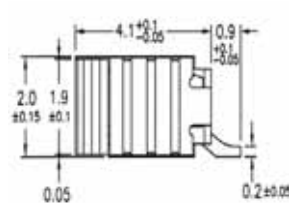
1. CONNECTOR TYPE:
"BL" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 through 024
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

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

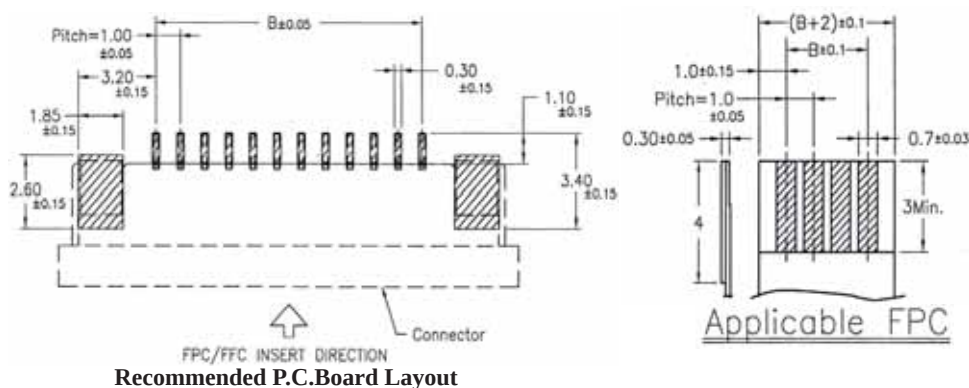
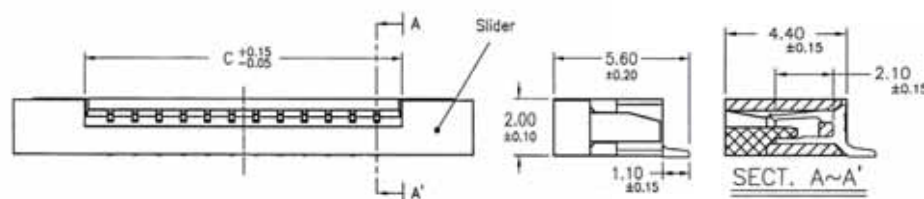
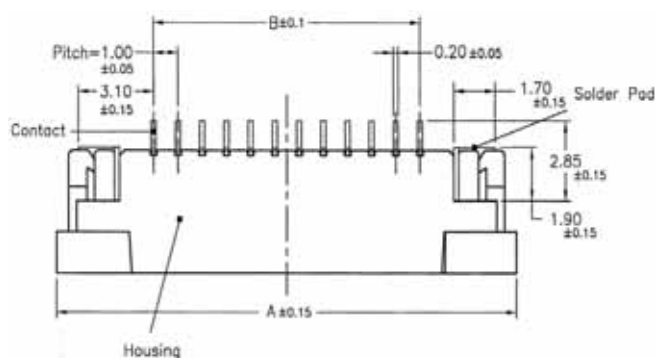
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 100 $\frac{xx}{1} - \frac{xxx}{2}$ TW - $\frac{x}{3}$

1. CONNECTOR TYPE:
"BN" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
004 through 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



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: -55°C to + 85°C

MATERIALS

Insulator: UL94V-0

PA46

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

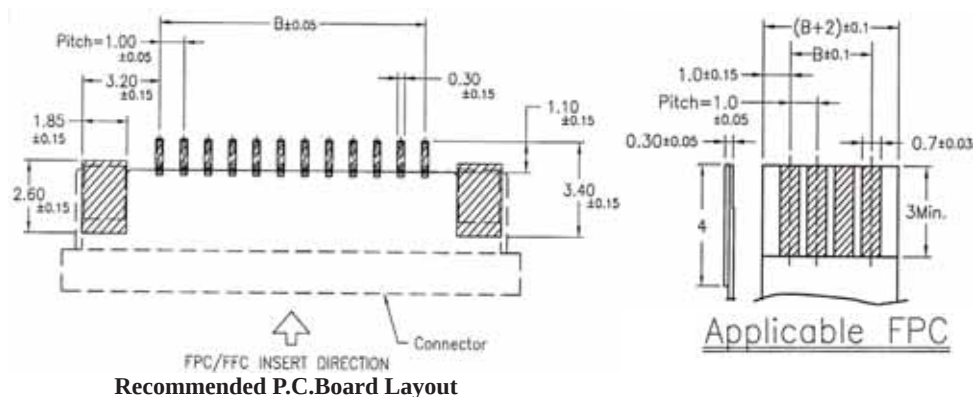
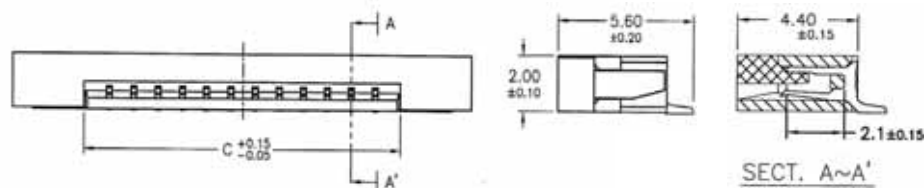
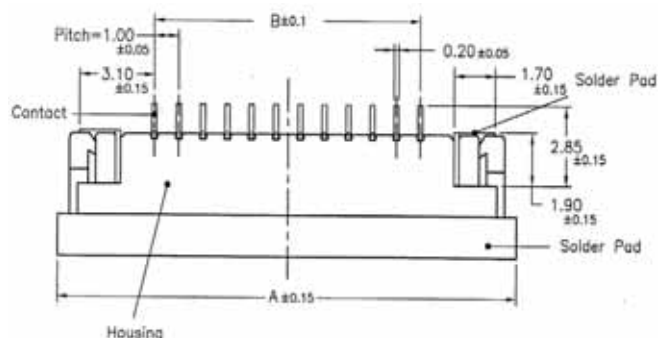
No. of Contacts	Dimensions(mm)		
	A	B	C
04	11.00	3.00	5.10
05	12.00	4.00	6.10
06	13.00	5.00	7.10
07	14.00	6.00	8.10
08	15.00	7.00	9.10
09	16.00	8.00	10.10
10	17.00	9.00	11.10
11	18.00	10.00	12.10
12	19.00	11.00	13.10
13	20.00	12.00	14.10
14	21.00	13.00	15.10
15	22.00	14.00	16.10
16	23.00	15.00	17.10
17	24.00	16.00	18.10
18	25.00	17.00	19.10
19	26.00	18.00	20.10
20	27.00	19.00	21.10
21	28.00	20.00	22.10
22	29.00	21.00	23.10
23	30.00	22.00	24.10
24	31.00	23.00	25.10
25	32.00	24.00	26.10
26	33.00	25.00	27.10
27	34.00	26.00	28.10
28	35.00	27.00	29.10
29	36.00	28.00	30.10

ORDERING INFORMATION:

P/N 1 0 0 B U - x x x T W - R
1 2 3

- CONNECTOR TYPE:
"BU" UPPER CONTACT RIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
004 through 029
- PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

1.00MM FFC/FPC ZIF CONNECTOR LOWER CONTACT RIGHT ANGLE 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: -55°C to + 85°C

MATERIALS

Insulator: UL94V-0

PPS

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

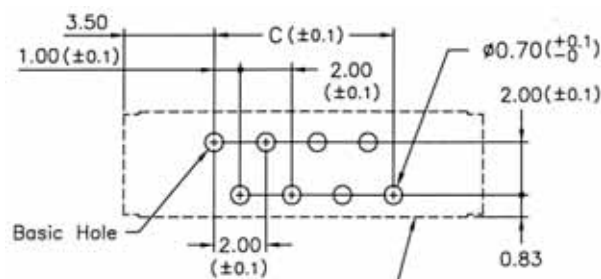
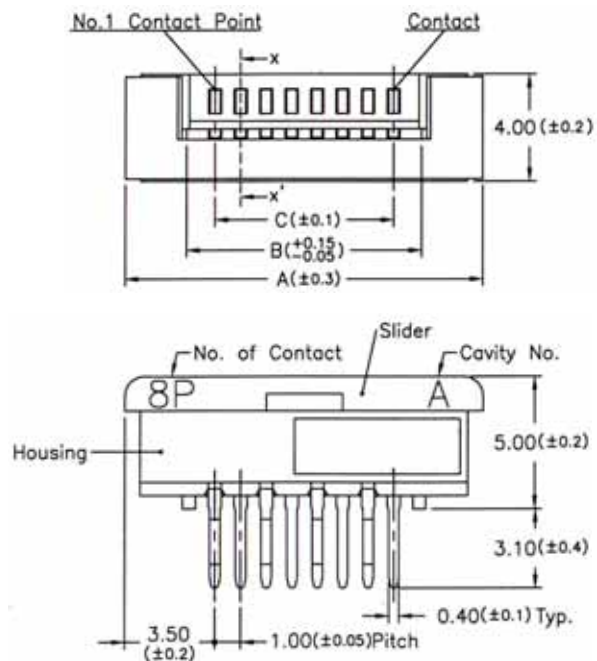
No. of Contacts	Dimensions(mm)		
	A	B	C
04	11.00	3.00	5.10
05	12.00	4.00	6.10
06	13.00	5.00	7.10
07	14.00	6.00	8.10
08	15.00	7.00	9.10
09	16.00	8.00	10.10
10	17.00	9.00	11.10
11	18.00	10.00	12.10
12	19.00	11.00	13.10
13	20.00	12.00	14.10
14	21.00	13.00	15.10
15	22.00	14.00	16.10
16	23.00	15.00	17.10
17	24.00	16.00	18.10
18	25.00	17.00	19.10
19	26.00	18.00	20.10
20	27.00	19.00	21.10
21	28.00	20.00	22.10
22	29.00	21.00	23.10
23	30.00	22.00	24.10
24	31.00	23.00	25.10
25	32.00	24.00	26.10
26	33.00	25.00	27.10
27	34.00	26.00	28.10
28	35.00	27.00	29.10
29	36.00	28.00	30.10

ORDERING INFORMATION:

P/N 1 0 0 B V - x x x T W - R
1 2 3

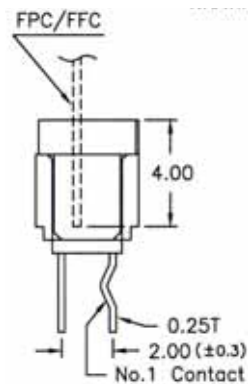
- CONNECTOR TYPE:
"BV" LOWER CONTACT RIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
004 through 029
- PACKAGE OPTION:
"R" W/O PAD IN TAPE & REEL

1.00MM FFC/FPC NON-ZIF CONNECTOR TOP ENTRY DIP TYPE



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

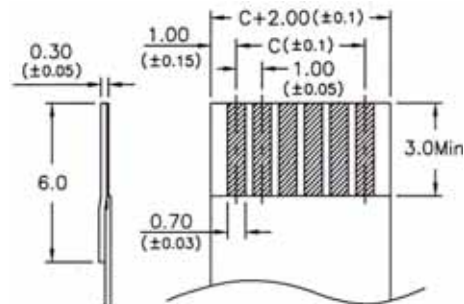
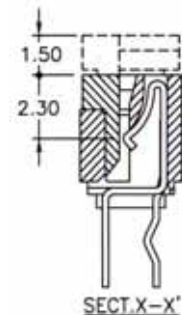
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

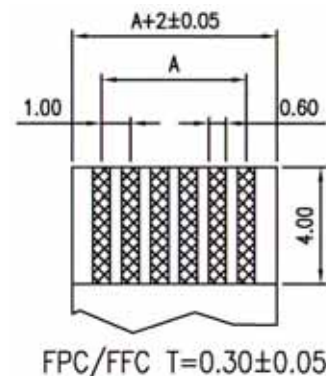
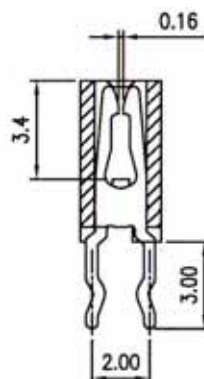
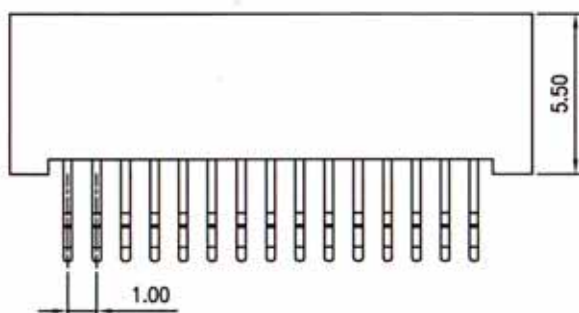
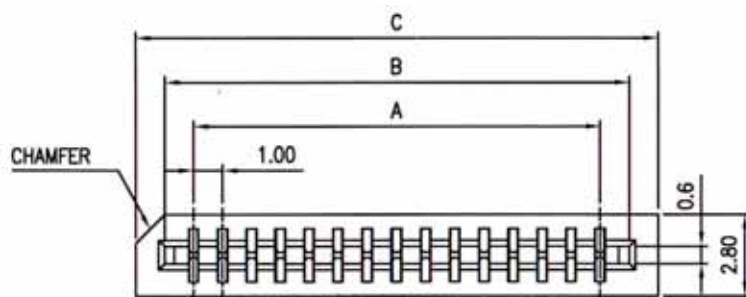


ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"BD" STRAIGHT TYPE
2. NO. OF CONTACTS:
004 through 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR TOP ENTRY DUAL CONTACT DIP TYPE



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

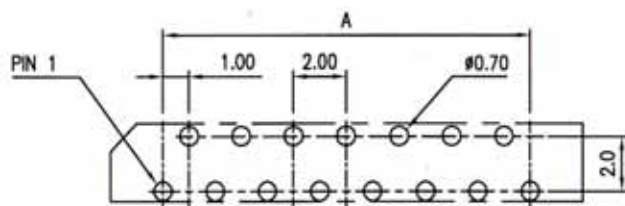
All materials must be RoHS compliant.

DIMENSIONS:

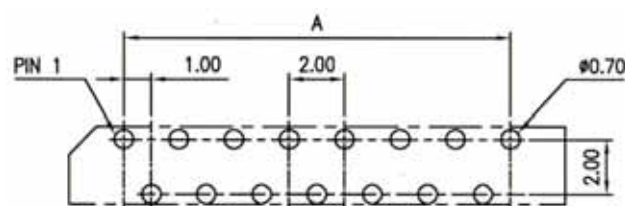
A = 1.0 x (No. of Contacts - 1)

B = (DIM. A) + 2.1

C = (DIM. A) + 4.0



Recommended P.C. Board Layout STANDARD TYPE



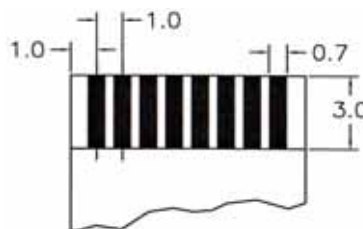
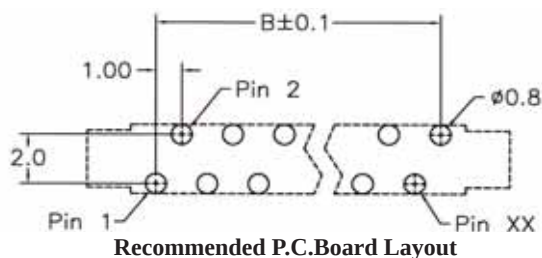
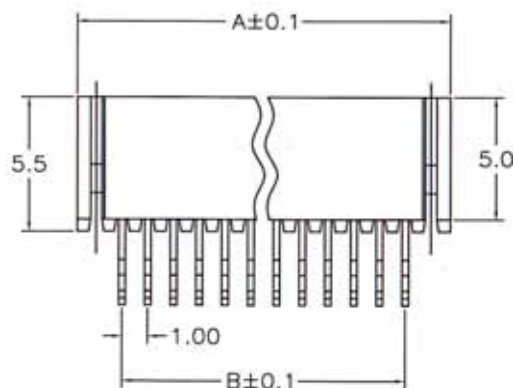
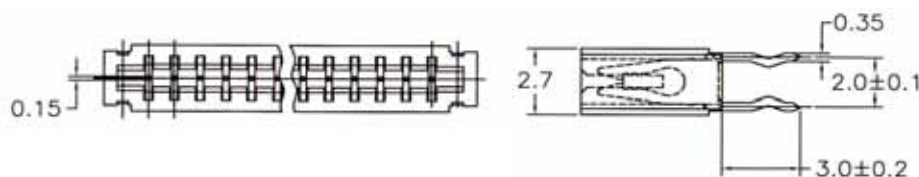
Recommended P.C. Board Layout SPECIAL TYPE

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"FG" STANDARD TYPE
"FV" SPECIAL TYPE
2. NO. OF CONTACTS:
002 through 036
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:

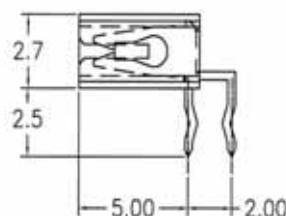
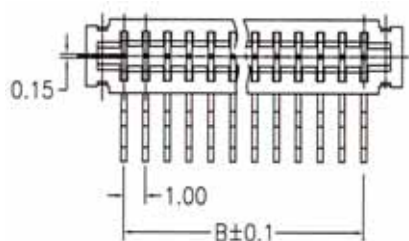
A = 1.00 x No. of Contacts/Row + 2.5
 B = 1.00 x No. of Contacts/Row - 1.0

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"FK" STRAIGHT TYPE FOR 0.30mm THICK FFC/FPC
2. NO. OF CONTACTS:
003 through 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

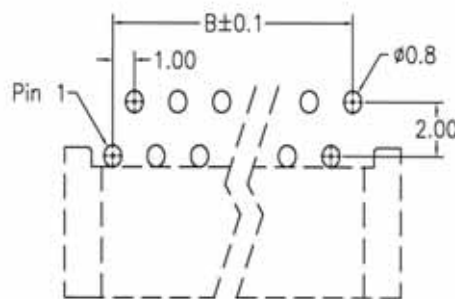
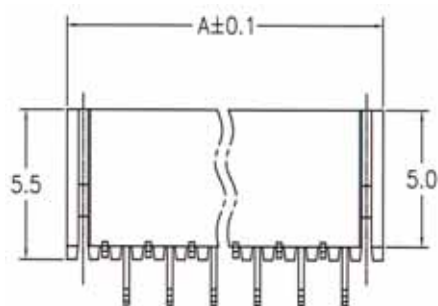


SPECIFICATIONS

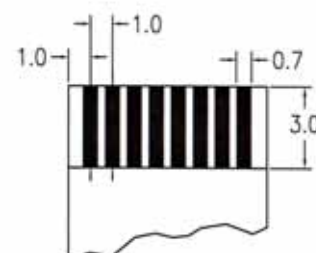
Current Rating: 0.5 Amp
Dielectric Withstand: 500V AC
Insulator Resistance: 100 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

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



Recommended P.C.Board Layout



FFC/FPC Dimension
 Thickness 0.3±0.05mm

DIMENSIONS:

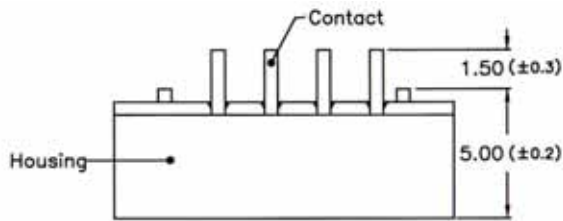
A = 1.00 x No. of Contacts/Row + 2.5
 B = 1.00 x No. of Contacts/Row - 1.0

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 through 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

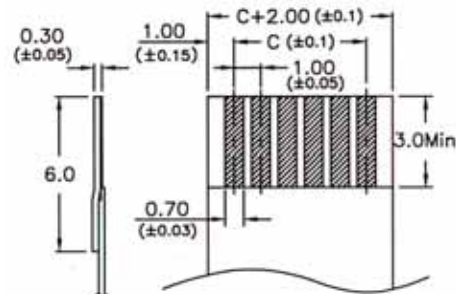
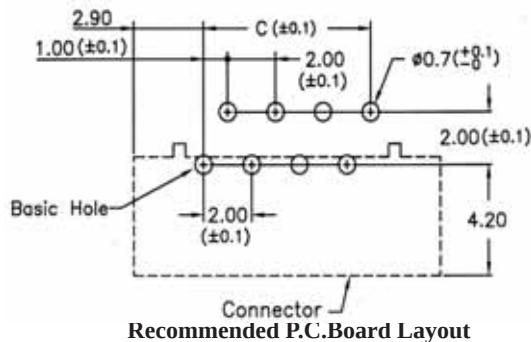
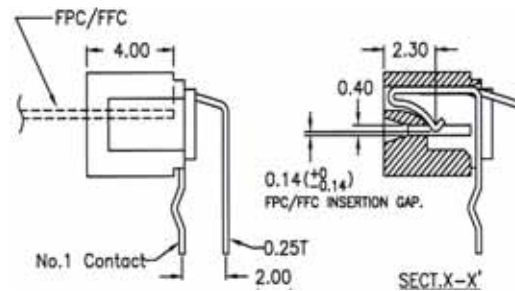
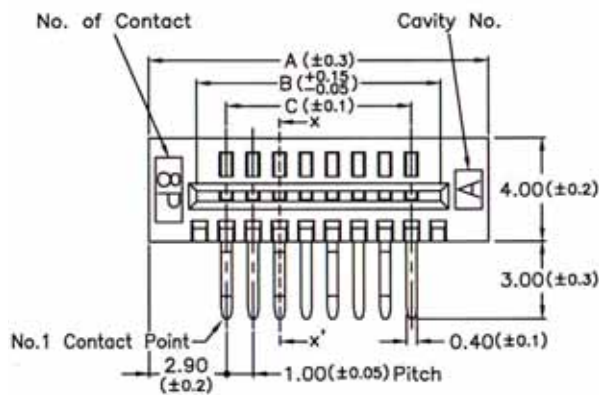
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

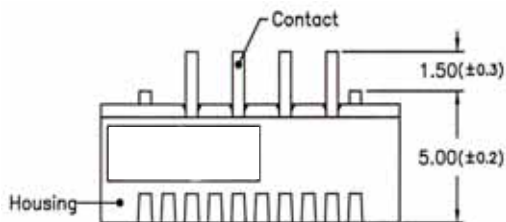


ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"BF" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
004 through 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

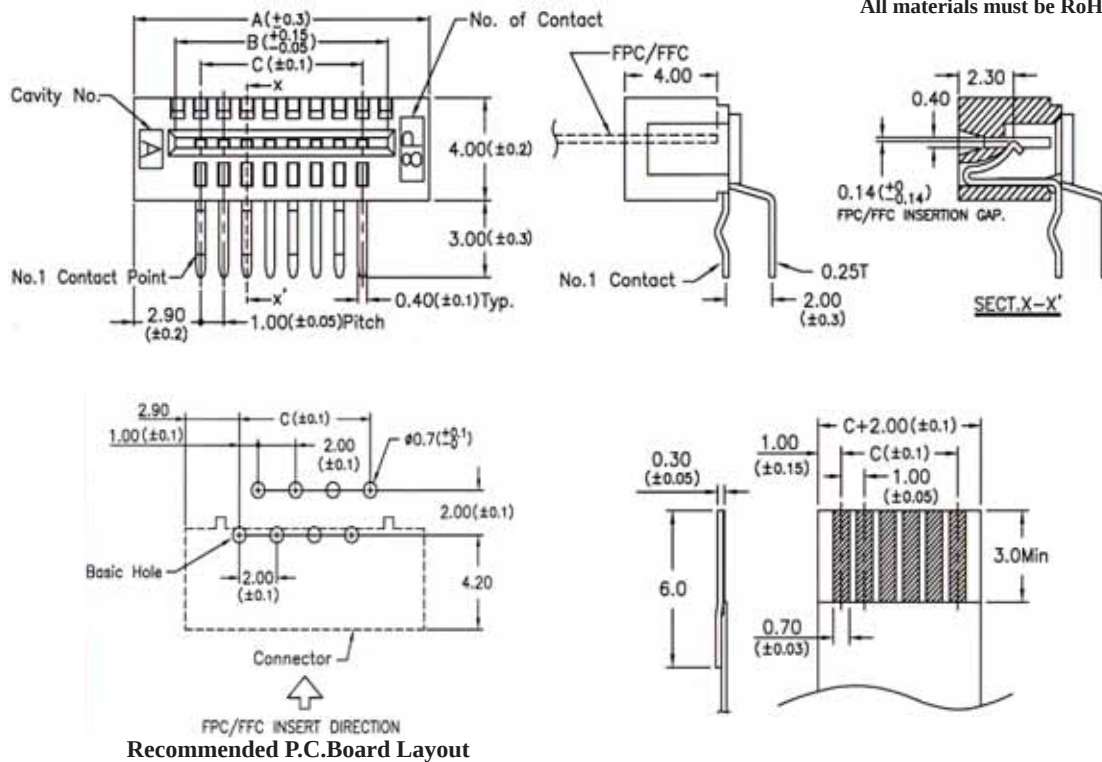
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

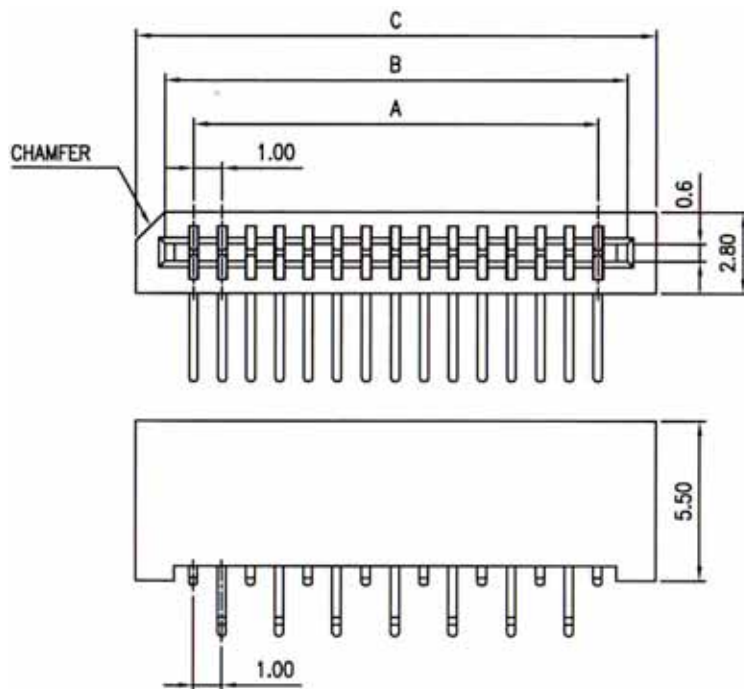


ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"BE" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
004 through 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE

1.00MM FFC/FPC NON-ZIF CONNECTOR SIDE ENTRY DUAL CONTACT DIP TYPE

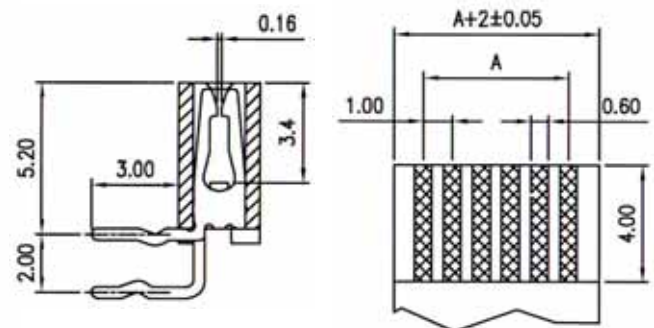


SPECIFICATIONS

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

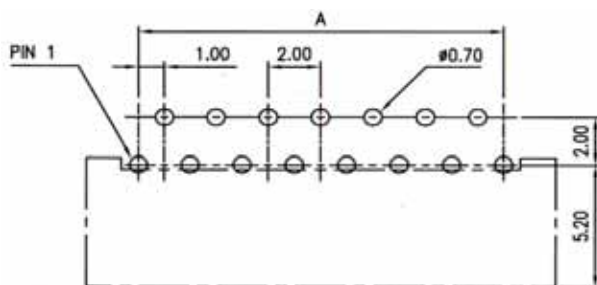
Insulator: Thermoplastic, UL94V-0
 Nylon-6T
 Contacts: Copper Alloy
 All materials must be RoHS compliant.



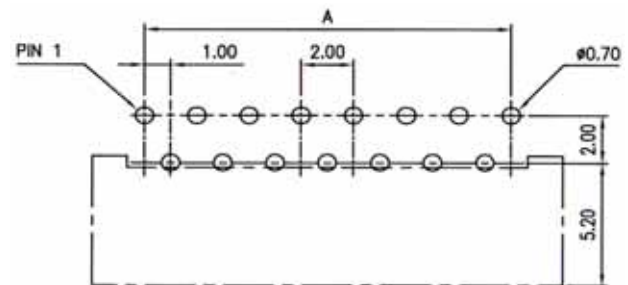
FPC/FFC T=0.30±0.05

DIMENSIONS:

A= 1.0 x (No. of Contacts-1)
 B= (DIM. A) + 2.1
 C= (DIM. A) + 4.0



Recommended P.C.Board Layout STANDARD TYPE



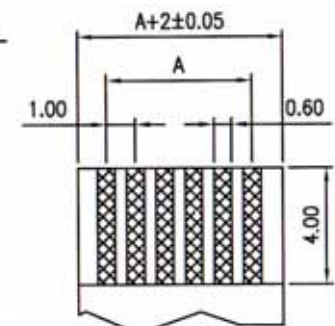
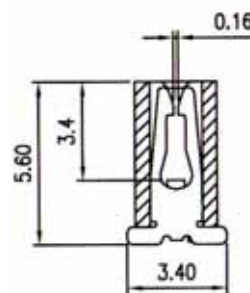
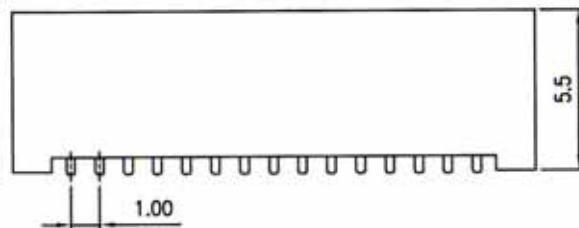
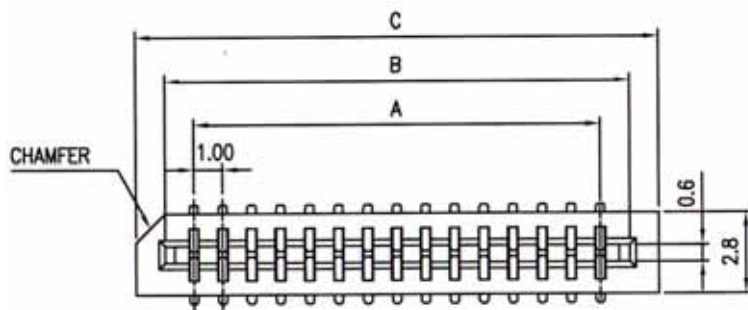
Recommended P.C.Board Layout SPECIAL TYPE

ORDERING INFORMATION:

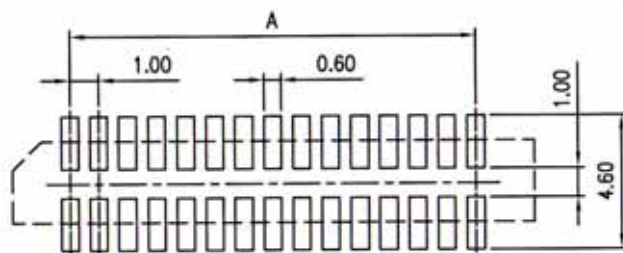
P/N 1 0 0 $\frac{xx}{1}$ - $\frac{xxx}{2}$ T B - $\frac{x}{3}$

1. CONNECTOR TYPE:
 "FR" STANDARD TYPE
 "FY" SPECIAL TYPE
2. NO. OF CONTACTS:
 002 through 036
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

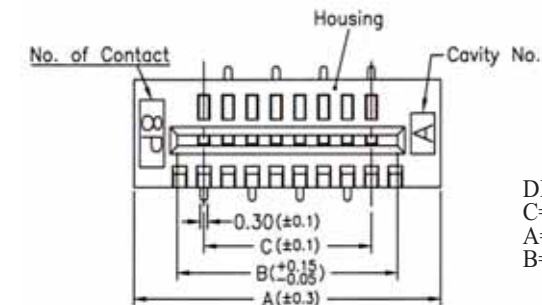
C= (DIM. A) + 4.0

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 through 036
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"R" W/O PAD 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

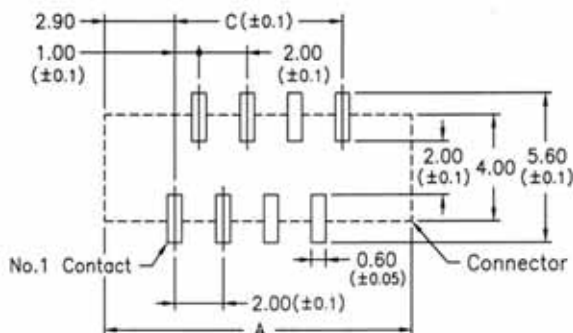
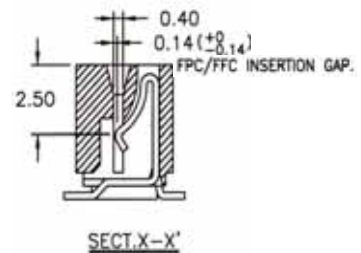
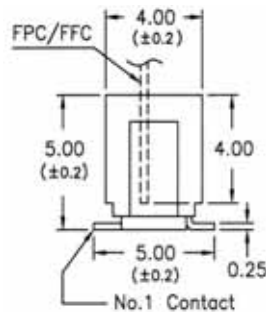
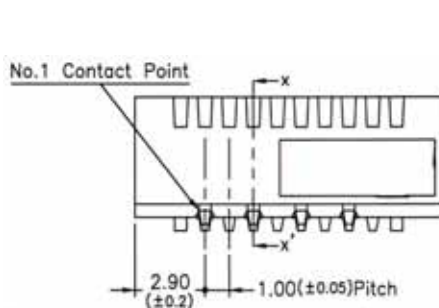
MATERIALS

Insulator: Thermoplastic, UL94V-0

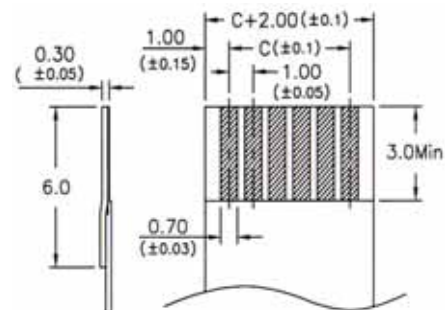
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout

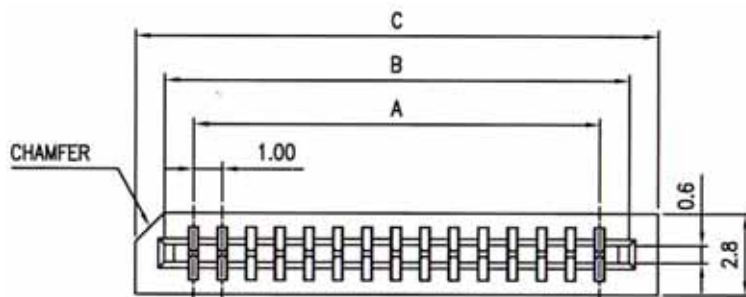


ORDERING INFORMATION:

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 through 032
3. PACKAGE OPTION:
"T" W/O PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

1.00MM FFC/FPC NON-ZIF CONNECTOR TOP ENTRY DUAL CONTACT SMT TYPE

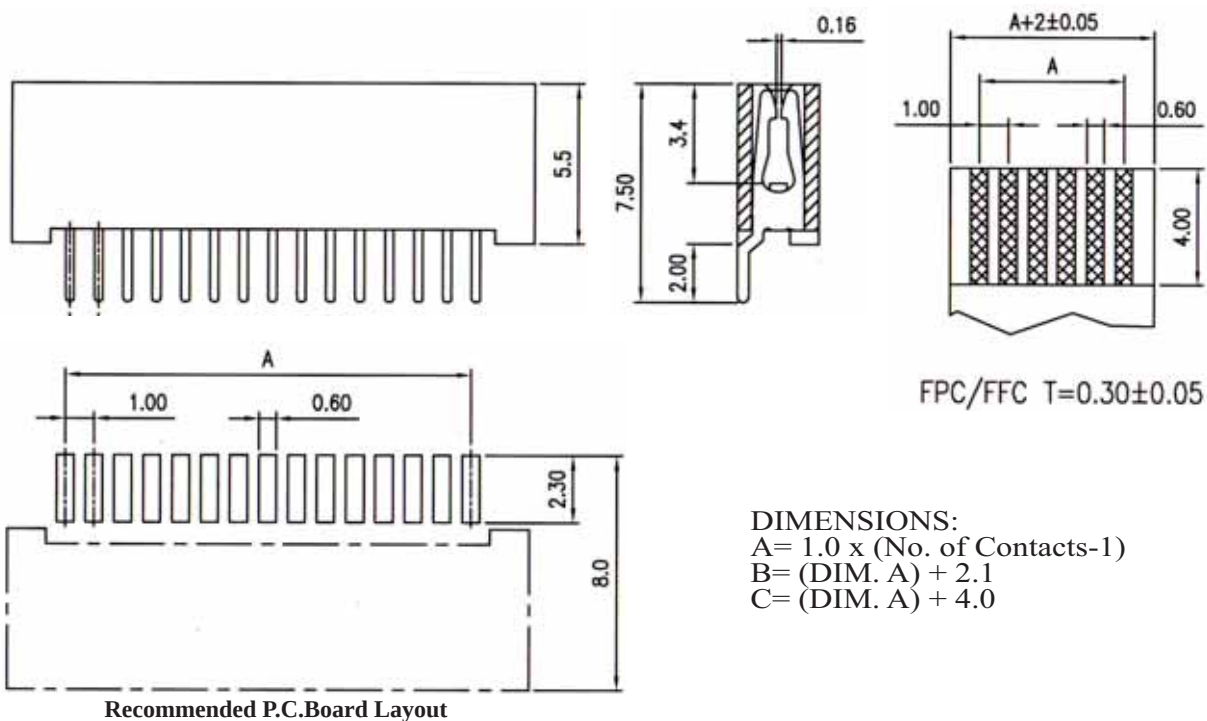


SPECIFICATIONS

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:

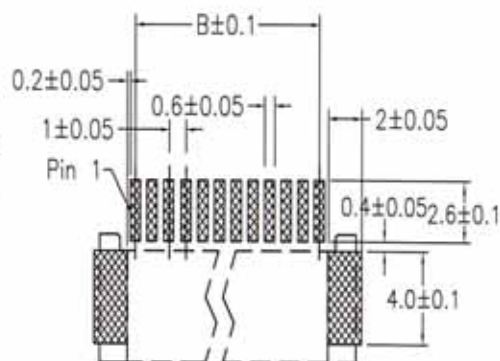
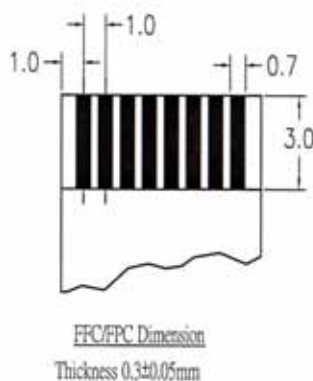
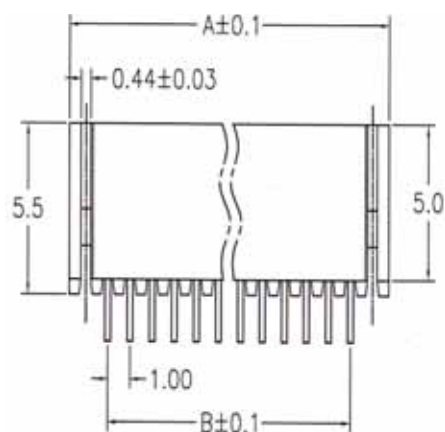
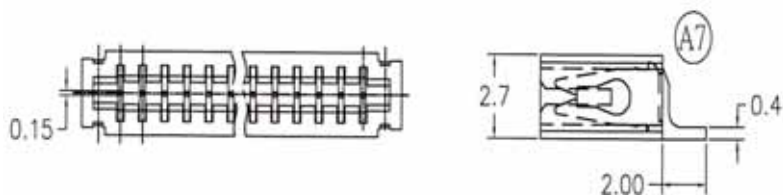
A= 1.0 x (No. of Contacts-1)
 B= (DIM. A) + 2.1
 C= (DIM. A) + 4.0

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"FD" STRAIGHT SMT TYPE
2. NO. OF CONTACTS:
002 through 036
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

DIMENSIONS:

A = 1.00 x No. of Contacts/Row + 2.5

B = 1.00 x No. of Contacts/Row - 1.0

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

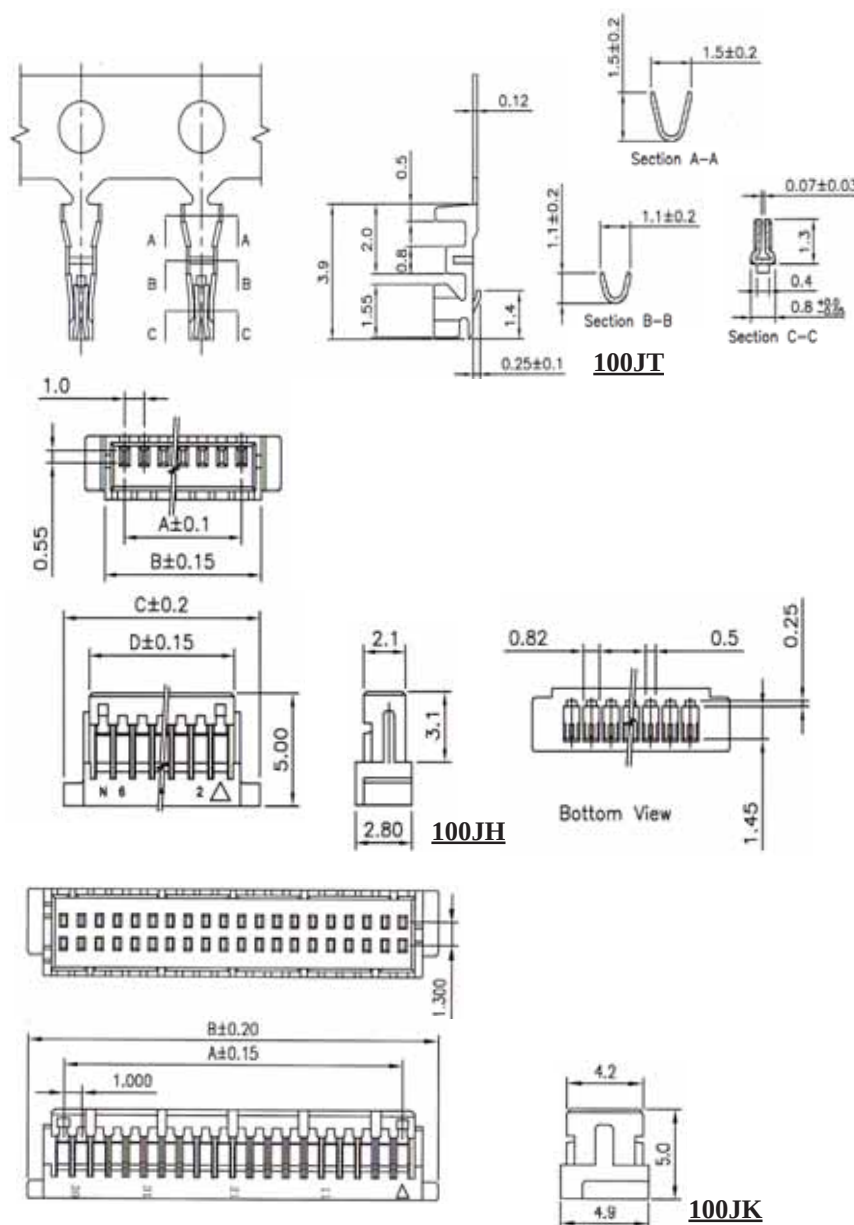
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 0 0 FM - x x x T B - x
1 2 3 4

1. CONNECTOR TYPE:
"FM" SMT TYPE FOR 0.30mm
THICK FFC/FPC
2. NO. OF CONTACTS:
003 through 032
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE

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-xxxH W₁

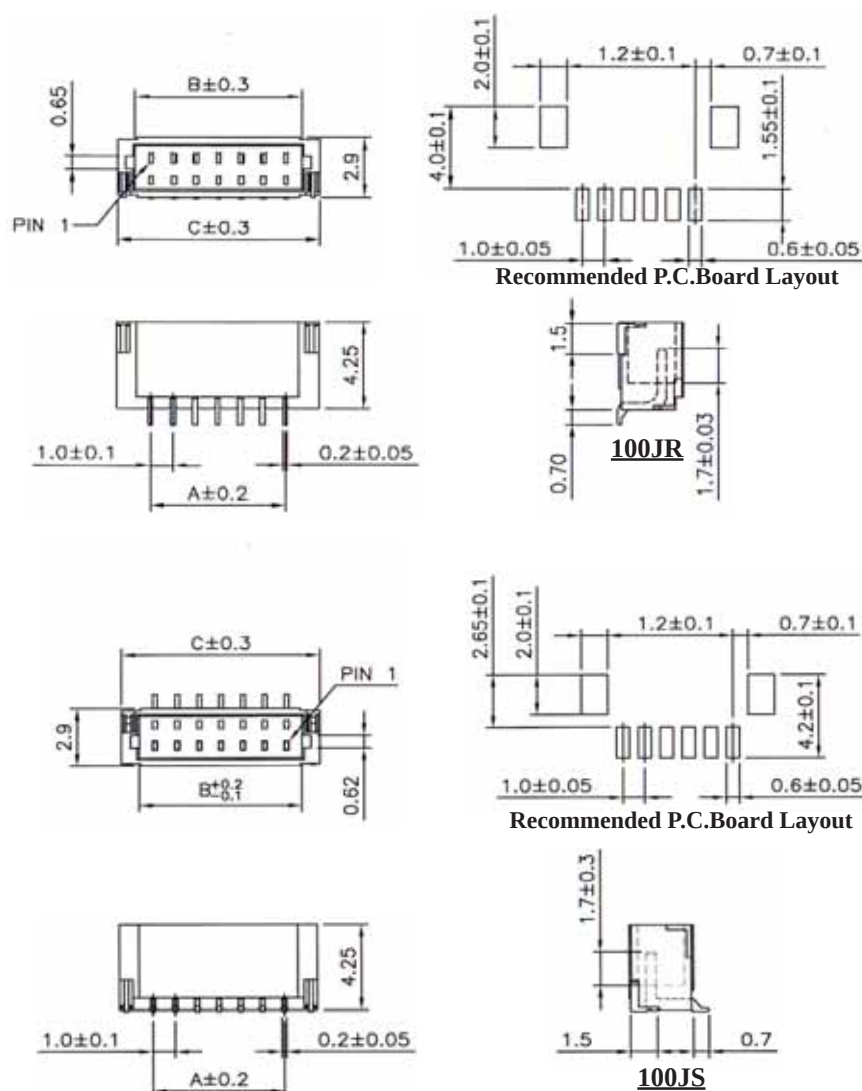
- NO. OF CONTACTS:
002 through 020

P/N 100JK-xxxH W₁

- 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

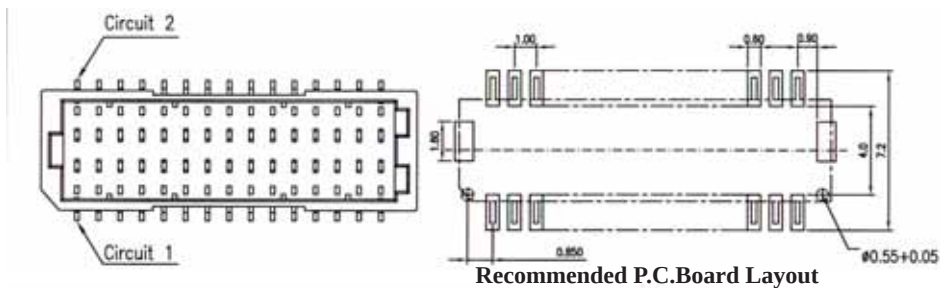
ORDERING INFORMATION:

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 through 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

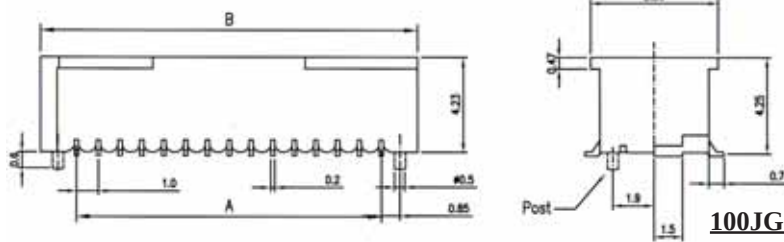
MATERIALS

Insulator: UL94V-0

Nylon-6T

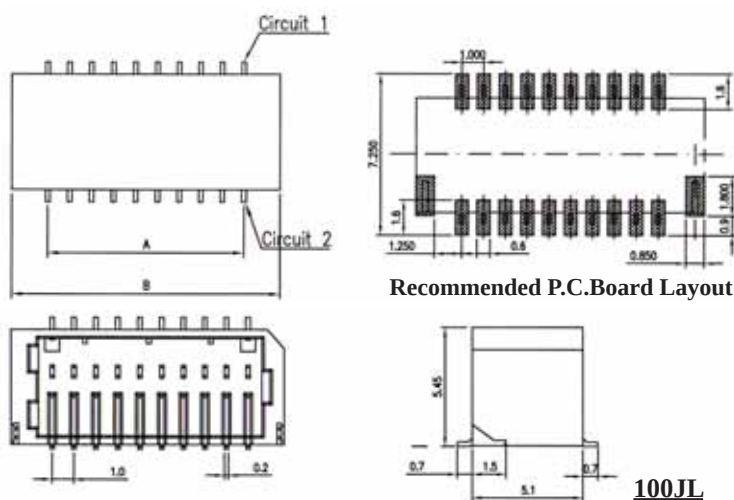
Contacts: Phosphor Bronze

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

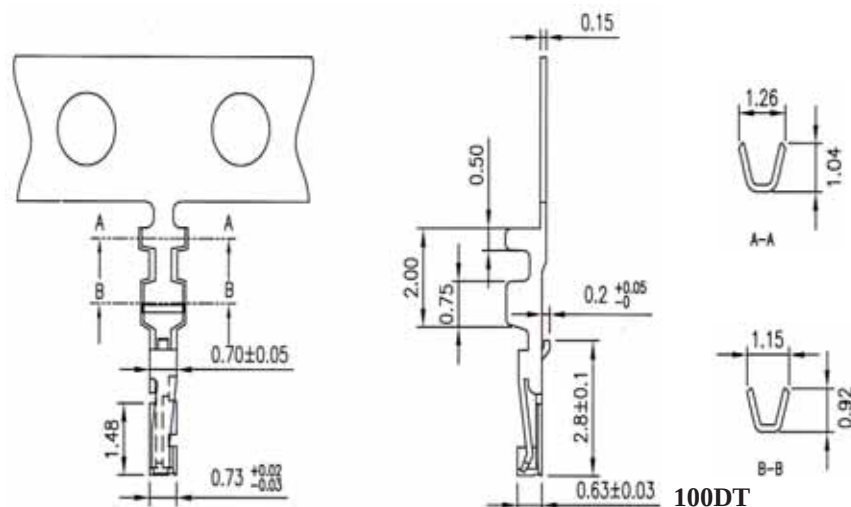
ORDERING INFORMATION:

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

1. TERMINAL TYPE:
"JG" STRAIGHT SMT TYPE
"JL" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
010 through 060
3. PAD & PACKAGE OPTION:
"0" BULK PACKAGE
"R" W/O PAD IN TAPE & REEL
"T" W/O PAD IN TUBE

NOTE: MATES WITH 100JK HOUSING

1.00MM(0.039") SPACING WIER-TO-BOARD SYSTEM (B1)



TERMINAL

Accepts AWG # 28-32 Wire Range

Insulation O.D.: 0.60mm(max)

Material: Phosphor Bronze

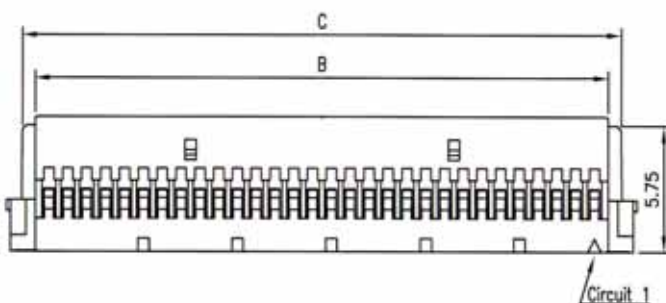
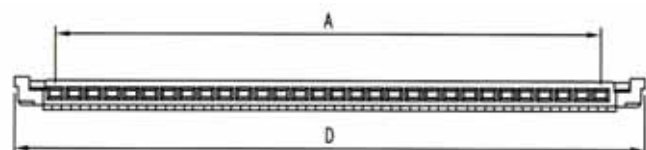
Finish: Gold Plated

Thickness: 0.15mm

HOUSING

Insulator: Nylon 46, UL94V-0

All materials must be RoHS compliant.



100DH

No. of Contacts	Dimensions(mm)			
	A	B	C	D
08	7.00	8.44	9.90	11.50
10	9.00	10.44	11.90	13.50
14	13.00	14.44	15.90	17.50
20	19.00	20.44	21.90	23.50
30	29.00	30.44	31.90	33.50

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 100DT-15KG

PU= 15.000PCS/REEL

NOTE: ACCEPTS 100DH HOUSING

HOUSING:

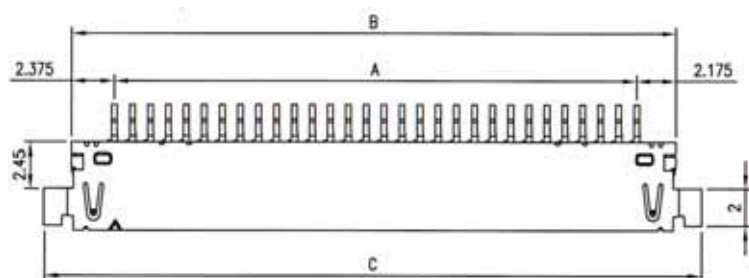
P/N 100DH-xxxHV
1

1. NO. OF CONTACTS:

008, 010, 014, 020, 030

NOTE: ACCEPTS 100DT TERMINAL

1.00MM(0.039") SPACING WIER-TO-BOARD SYSTEM (B2)

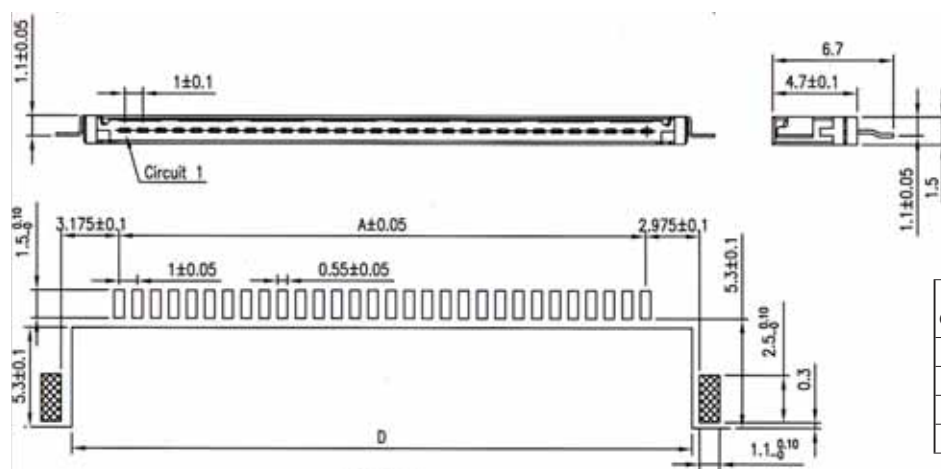


SPECIFICATIONS

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-9T
Contacts: Phosphor Bronze
 All materials must be RoHS compliant.



Recommended P.C.Board Layout

No. of Contacts	Dimensions(mm)			
	A	B	C	D
08	7.00	11.55	14.75	12.15
14	13.00	17.55	20.75	18.15
20	19.00	23.55	26.75	24.15
30	29.00	33.55	36.75	34.15

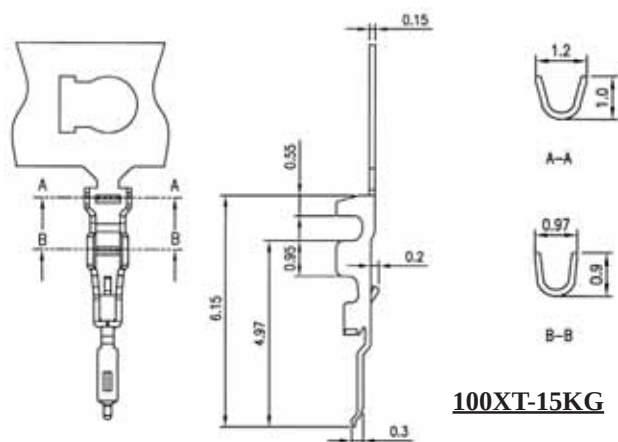
ORDERING INFORMATION:

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

- CONNECTOR TYPE:
"DR" RIGHT ANGLE SMT TYPE
- NO. OF CONTACTS:
008, 014, 020, 030
- PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE
"R" W/O PAD IN TAPE & REEL

NOTE: MATES WITH 100DH HOUSING

1.00MM(0.039") SPACING WIER-TO-BOARD SYSTEM (C1)



100XT-15KG

TERMINAL

Accepts AWG# 28-32 Wire Range

Insulation O.D.: 0.80mm(max)

Material: Phosphor Bronze

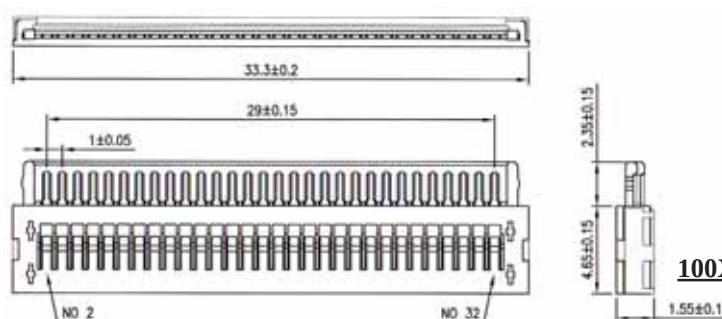
Finish: Gold Plated 15u"

Thickness: 0.15mm

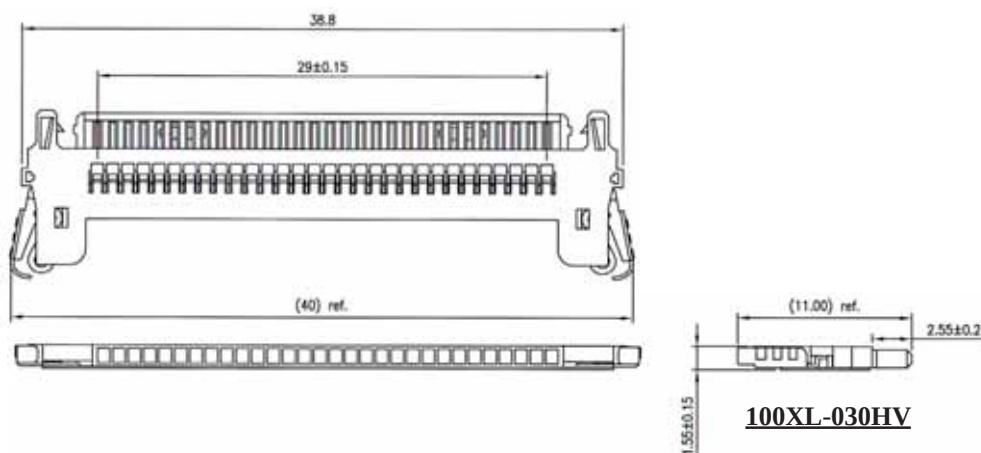
HOUSING

Insulator: Nylon 46, UL94V-0

All materials must be RoHS compliant.



100XH-030HV



100XL-030HV

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 100XT-15KG

PU= 15.000PCS/REEL

NOTE: ACCEPTS 100XH & 100XL HOUSING

HOUSING:

P/N 100XH-030HV

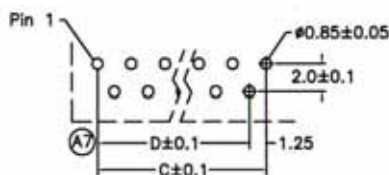
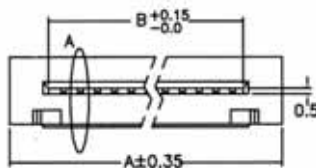
W/O LOCK LEVER

P/N 100XL-030HV

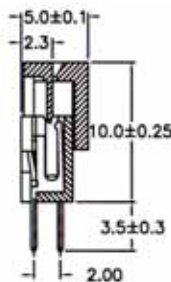
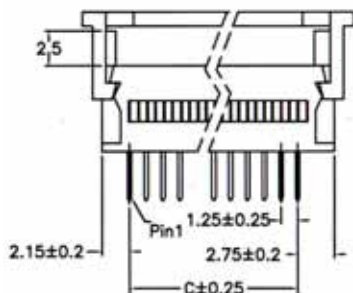
WITH LOCK LEVER

NOTE: ACCEPTS 100XT TERMINAL

1.25MM(0.049") FFC/FPC ZIF CONNECTOR DIP TYPE



Recommended P.C. Board Layout



125ZU

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.

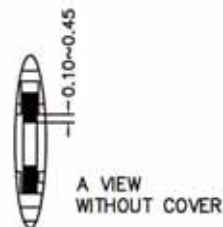
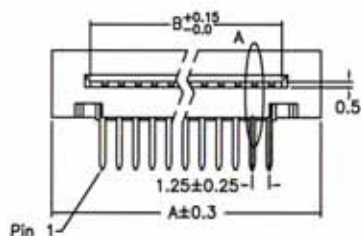
DIMENSIONS:

A = No. of Contacts/Row x 1.25 + 5.7

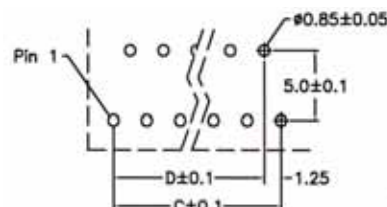
B = No. of Contacts/Row x 1.25 + 1.57

C = No. of Contacts/Row x 1.25 - 1.25

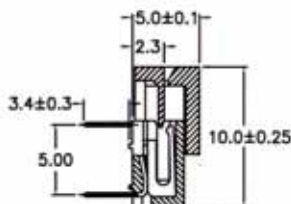
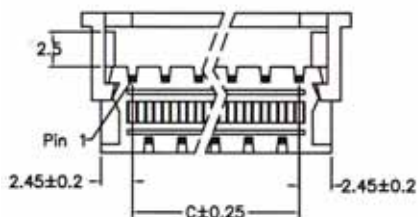
D = No. of Contacts/Row x 1.25 - 1.25



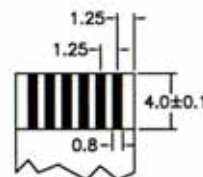
A VIEW
WITHOUT COVER



Recommended P.C. Board Layout



125ZV



FFC/FPC Dimension
Thickness 0.3±0.05mm

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)

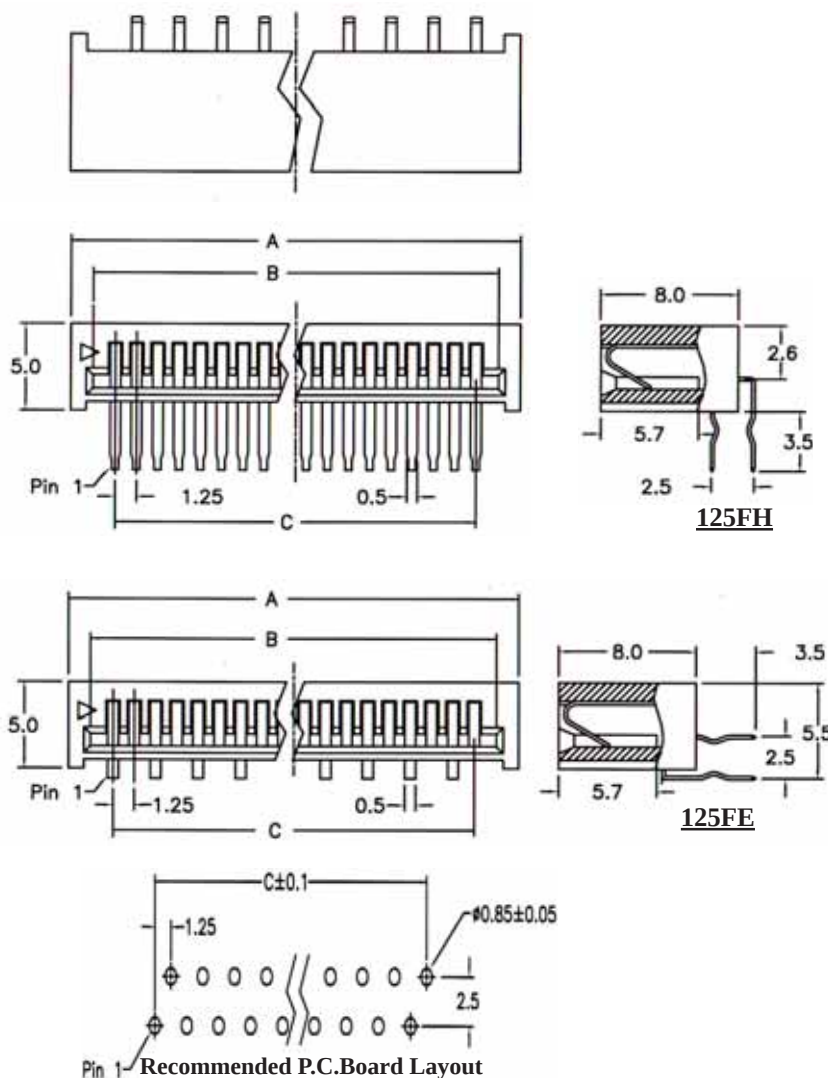
2. NO. OF CONTACTS:

003 through 040

3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

1.25MM(0.049") FFC/FPC NON-ZIF CONNECTOR DIP TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 500V AC
Insulator Resistance: 500 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:

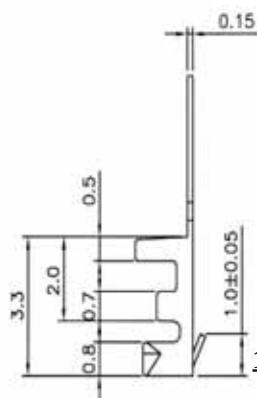
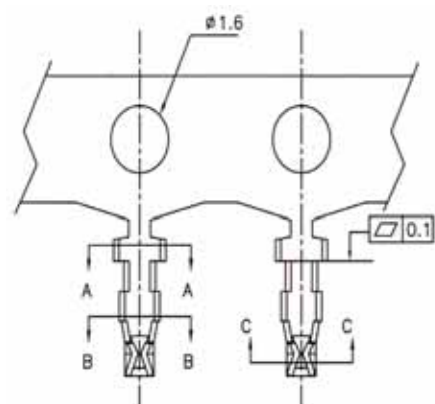
A = (No. of Contacts/Row x 1.25) + 3.4
B = (No. of Contacts/Row x 1.25) + 1.3
C = (No. of Contacts/Row x 1.25) - 1.25

ORDERING INFORMATION:

P/N 1 2 5 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{T}{3}$ B - $\frac{x}{4}$

1. TERMINAL TYPE:
"FE" STRAIGHT TYPE(TOP ENTRY)
"FH" RIGHT ANGLE TYPE(SIDE ENTRY)
2. NO. OF CONTACTS:
003 through 036
3. CONTACT FINISH:
"T" FULL TIN PLATED
4. PACKAGE OPTION:
"0" BULK PACKAGE
"T" W/O PAD IN TUBE

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (A1)



TERMINAL

Applicable Wires: AWG# 28-32

Material: Phosphor Bronze

Finish: Tin Plated

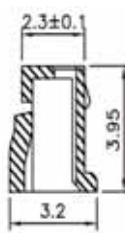
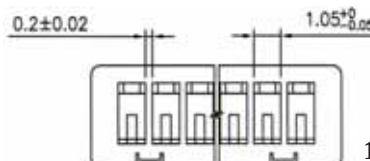
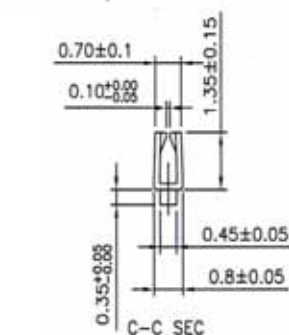
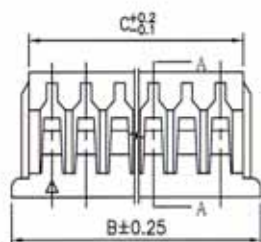
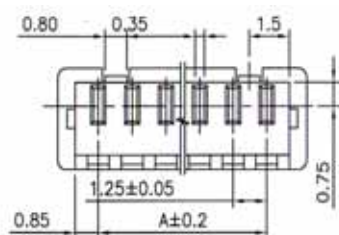
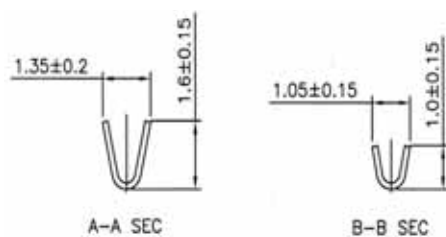
Thickness: 0.15mm

125MT-15KT

HOUSING

Insulator: Nylon 66, UL94V-0

All materials must be RoHS compliant.



Section A-A

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:

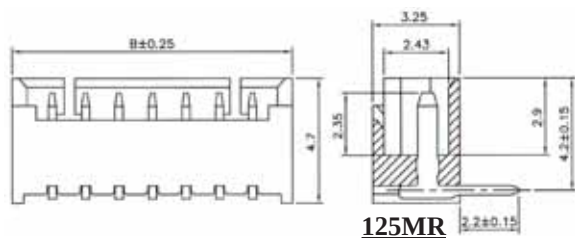
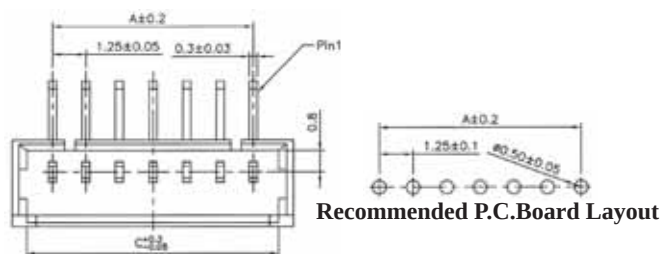
P/N 125MH-xxxHV
1

1. NO. OF CONTACTS:

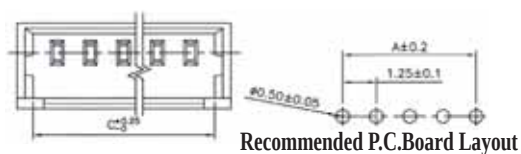
002 through 015

NOTE: ACCEPTS 125MT TERMINAL

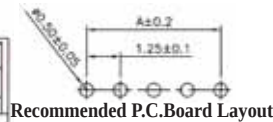
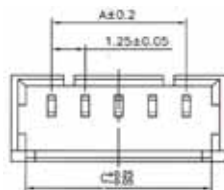
1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (A2)



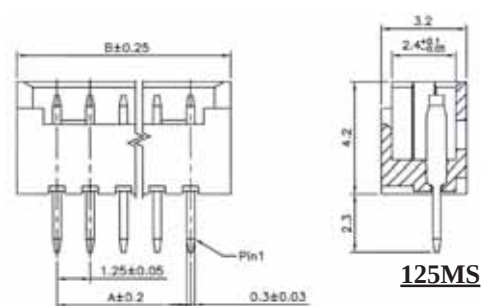
125MR



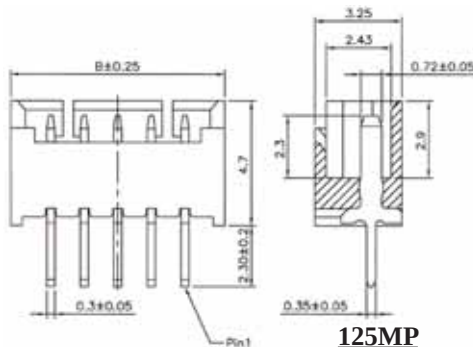
Recommended P.C.Board Layout



Recommended P.C.Board Layout



125MS



125MP

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 $\frac{x}{1} - \frac{x}{2} T V$

1. TERMINAL TYPE:

"MR" RIGHT ANGLE TYPE

"MS" STRAIGHT TYPE

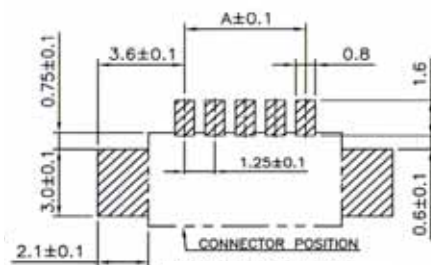
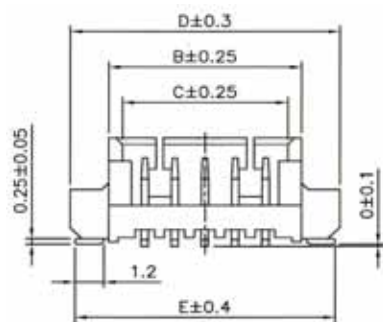
"MP" STRAIGHT TYPE

2. NO. OF CONTACTS:

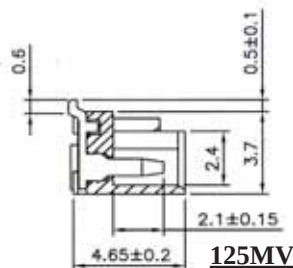
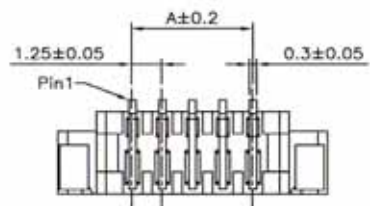
002 through 015

NOTE: MATES WITH 125MH HOUSING

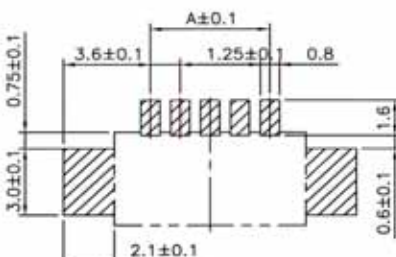
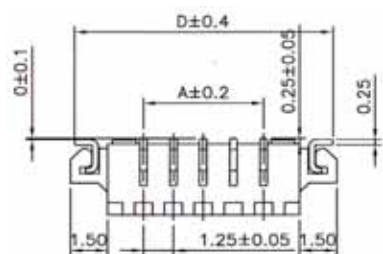
1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (A3)



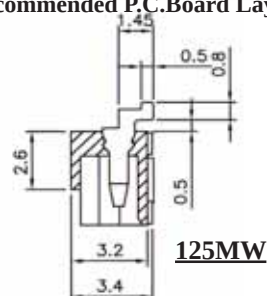
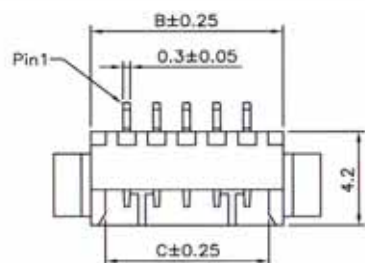
Recommended P.C.Board Layout



125MV



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 through 015

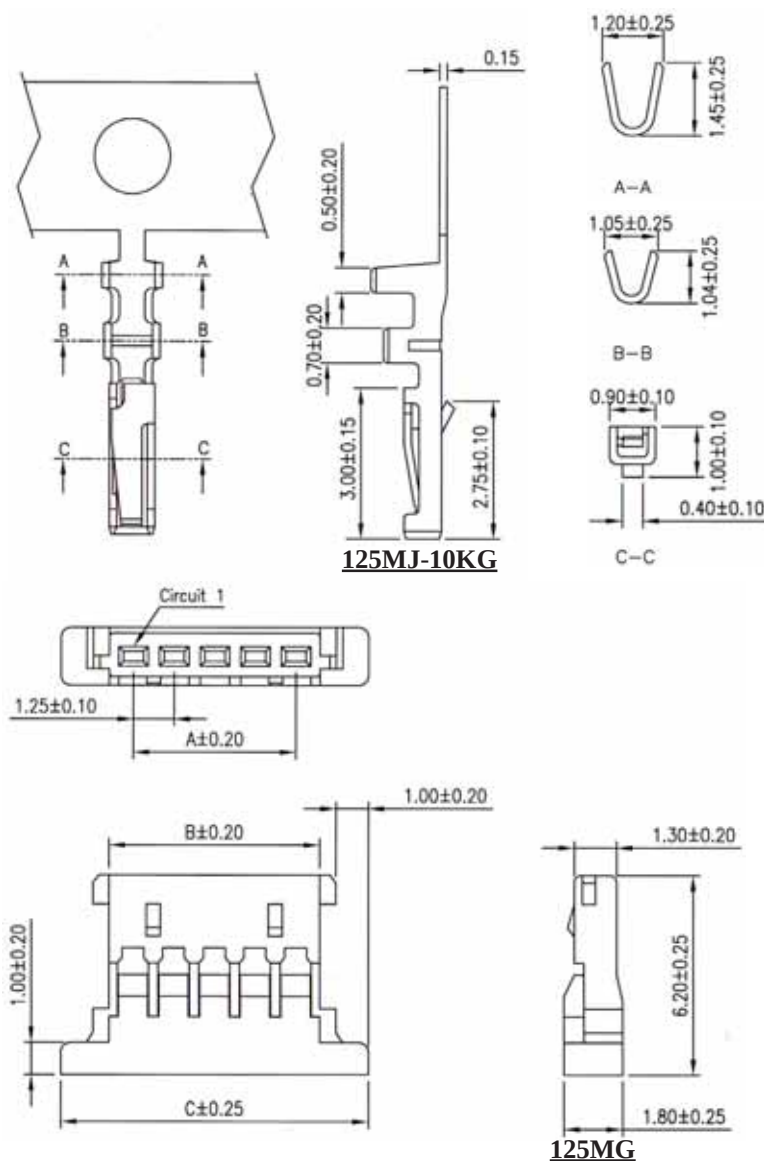
3. PACKAGE TYPE:

"Q" WITH PAD IN TAPE & REEL (FOR 125MV)

"R" W/O PAD IN TAPE & REEL (FOR 125MW)

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 1 2 5 M J - 1 0 K G

PU= 10.000PCS/REEL

NOTE: ACCEPTS 125MG HOUSING

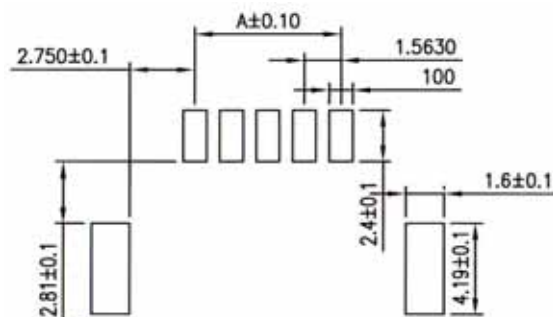
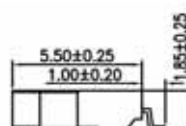
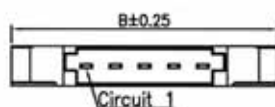
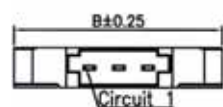
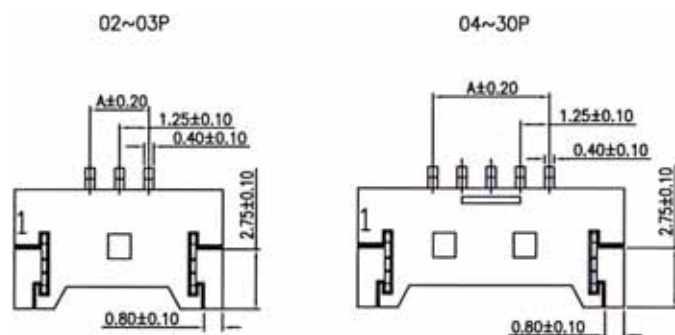
HOUSING:

P/N 1 2 5 M G - xxx H W
1

1. NO. OF CONTACTS:
002 through 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 - $\frac{x}{1}$ $\frac{x}{2}$ T W - $\frac{x}{2}$

1. NO. OF CONTACTS:

002 through 030

2. PAD & PACKAGE OPTION:

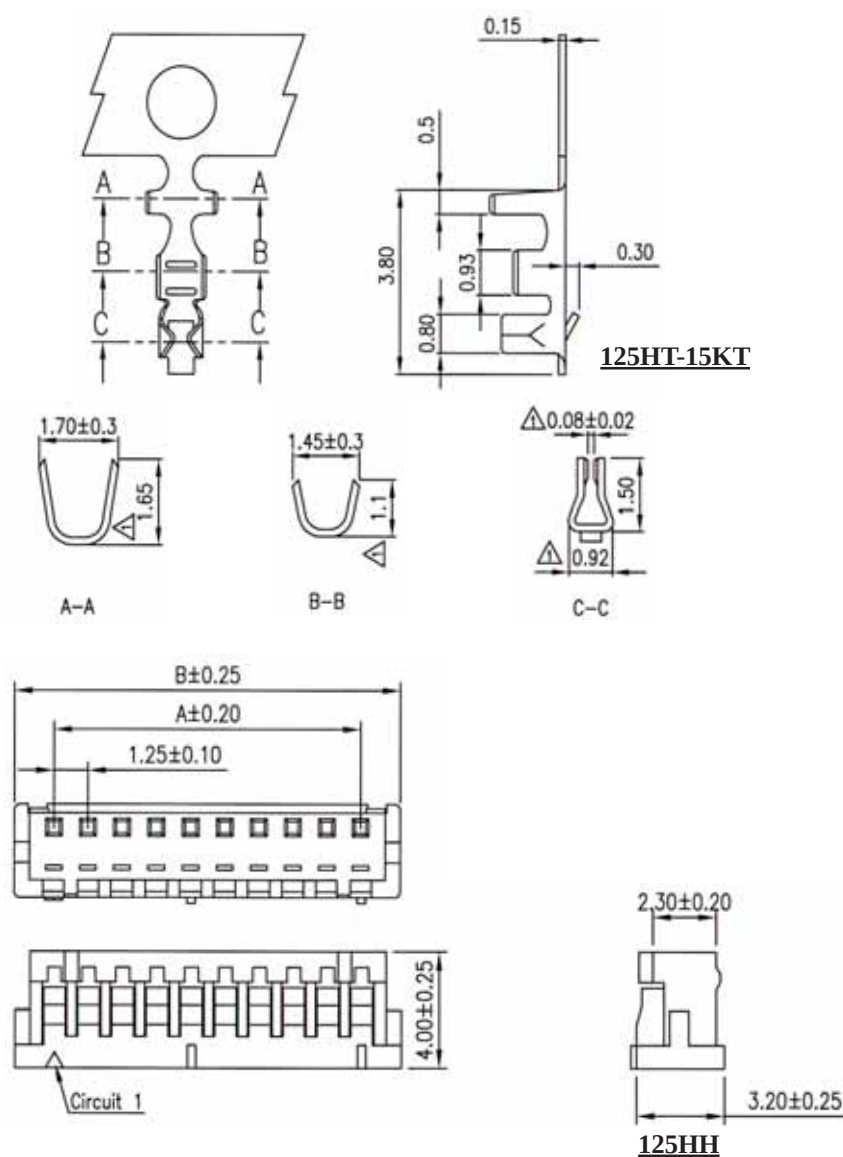
"0" BULK PACKAGE

"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:

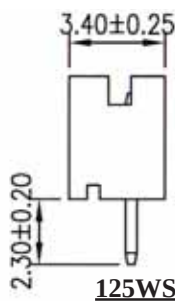
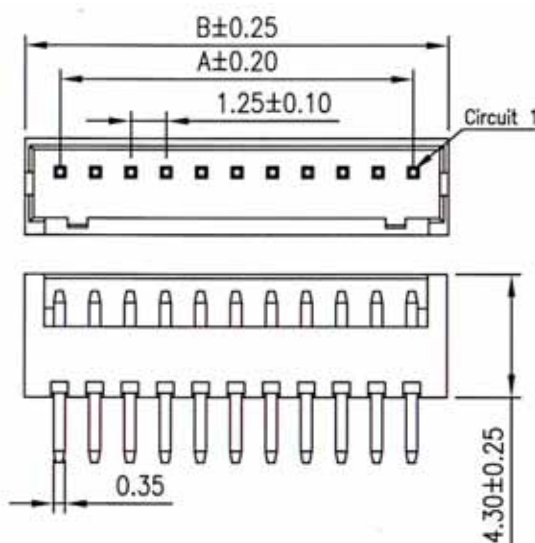
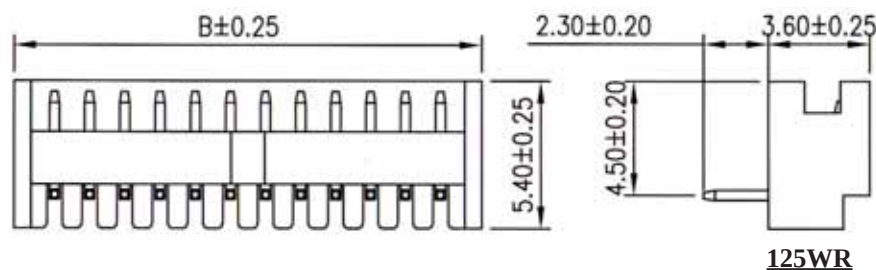
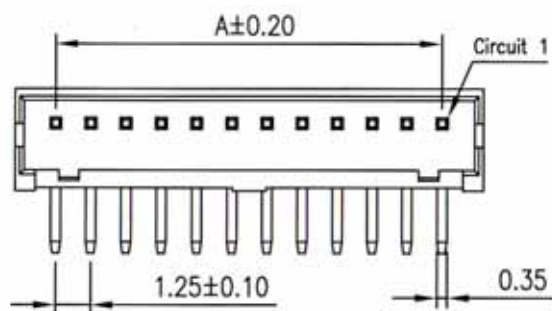
P/N 125HH-xxxHV
1

1. NO. OF CONTACTS:

002 through 015

NOTE: ACCEPTS 125HT TERMINAL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (C2)



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

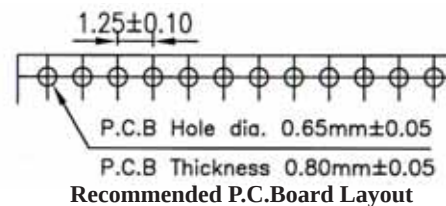
Insulator: UL94V-0

Nylon 66

Contacts: Phosphor Bronze

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
02	1.25	3.75
03	2.50	5.00
04	3.75	6.25
05	5.00	7.50
06	6.25	8.75
07	7.50	10.00
08	8.75	11.25
09	10.00	12.50
10	11.25	13.75
11	12.50	15.00
12	13.75	16.25
13	15.00	17.50
14	16.25	18.75
15	17.50	20.00



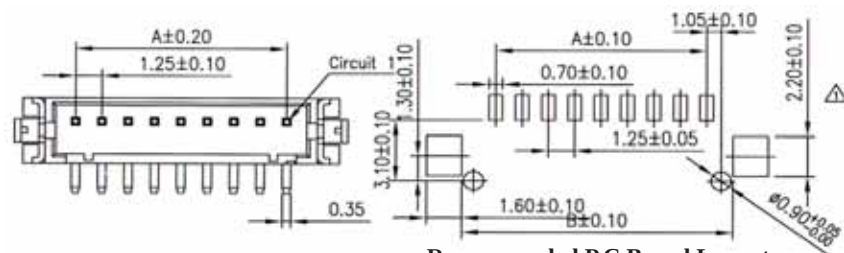
ORDERING INFORMATION:

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

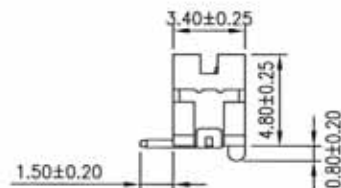
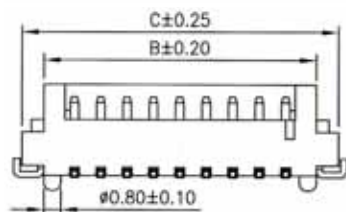
1. TERMINAL TYPE:
"WR" RIGHT ANGLE TYPE
"WS" STRAIGHT TYPE
2. NO. OF CONTACTS:
002 through 015

NOTE: MATES WITH 125HH HOUSING

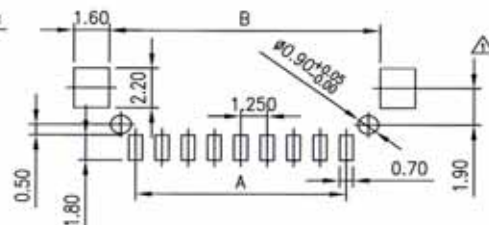
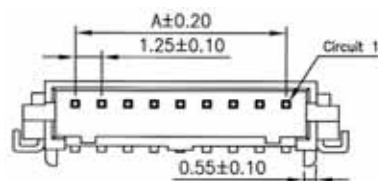
1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (C3)



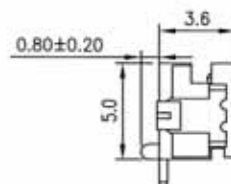
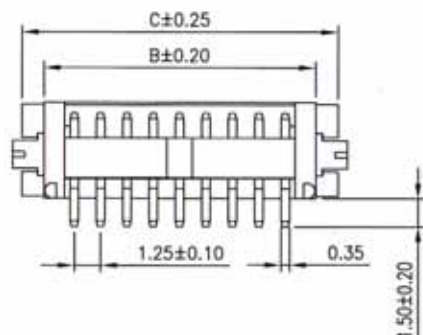
Recommended P.C.Board Layout



125WK



Recommended P.C.Board Layout



125WL

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

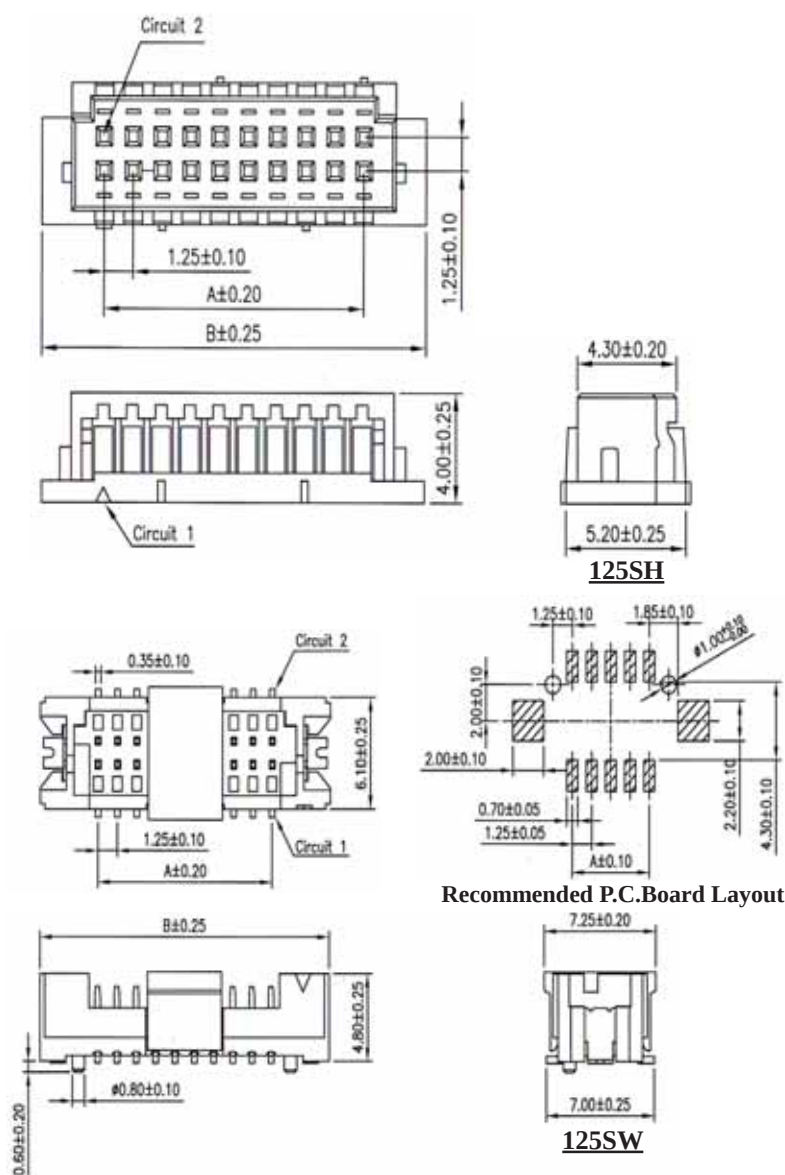
ORDERING INFORMATION:

P/N 1 2 5 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{G}{3}$ V - $\frac{x}{4}$

1. TERMINAL TYPE:
"WK" STRAIGHT SMT TYPE
"WL" RIGHT ANGLE SMT TYPE
2. NO. OF CONTACTS:
002 through 015
3. CONTACT FINISH:
"G" FULL GOLD 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 (C4)



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

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 2

1. NO. OF CONTACTS:

010, 020, 030, 040

2. PAD & PACKAGE OPTION:

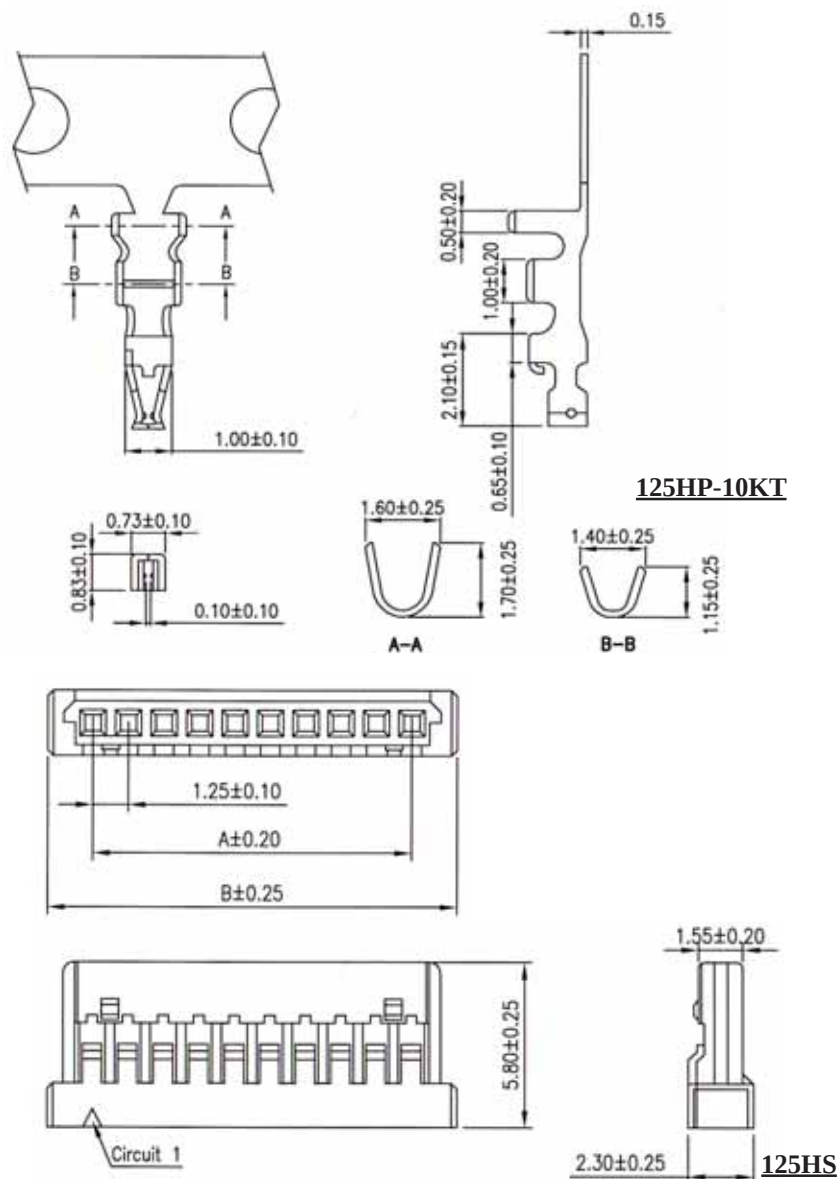
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

"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.

125HP-10KT

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

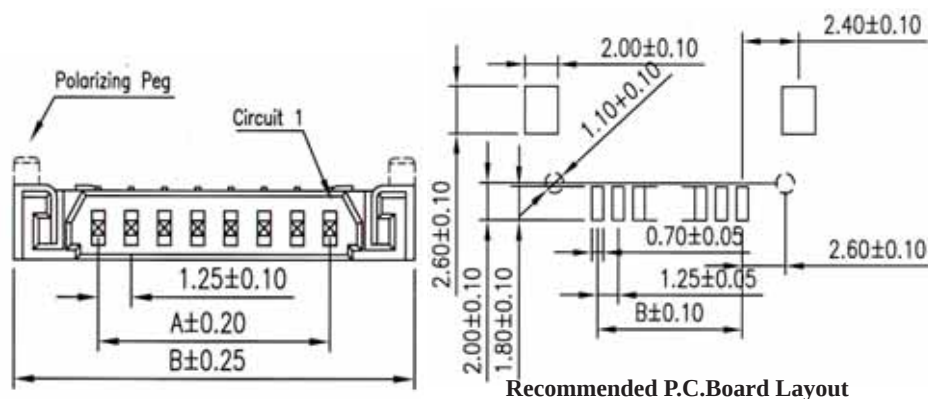
HOUSING:

P/N 125HS - xxxHV
1

1. NO. OF CONTACTS:
002 through 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 $\frac{x}{1}$ $\frac{x}{2}$ - $\frac{x}{3}$ T V - $\frac{x}{3}$

1. LOCATING PEG OPTION:

"HV" W/O POST

"HW" WITH POST

2. NO. OF CONTACTS:

002 through 030

3. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

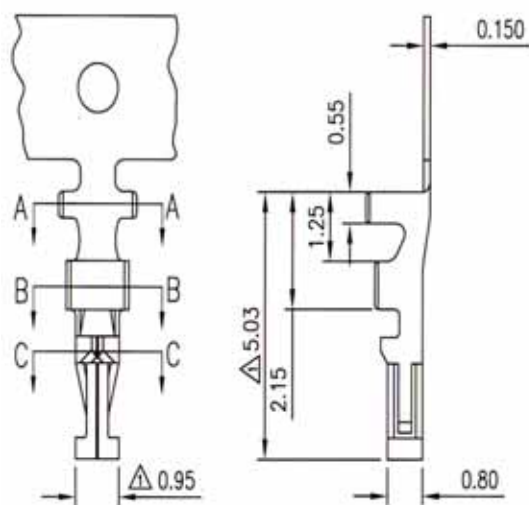
"R" W/O PAD IN TAPE & REEL

"0" BULK PACKAGE

NOTE: PAD = Pick & Place Pad

MATES WITH 125HS HOUSING

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (E1)



125JE-15KG

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

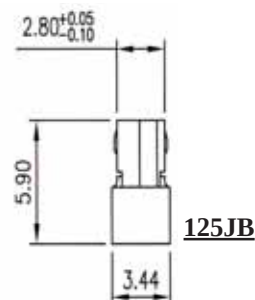
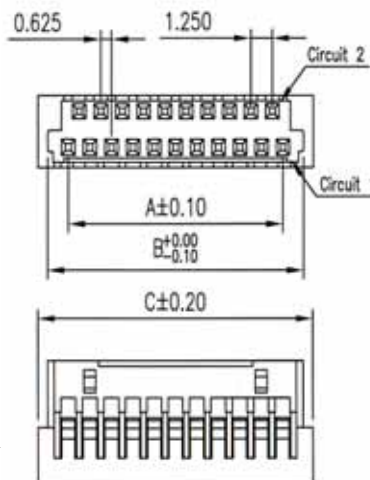
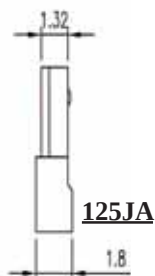
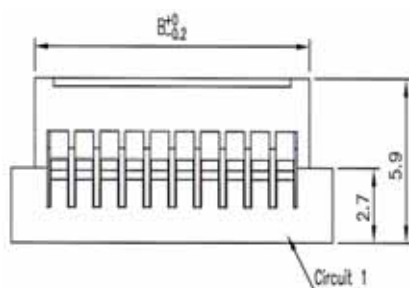
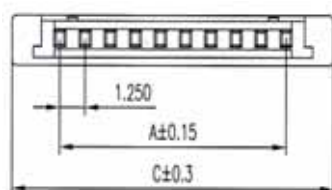
All materials must be RoHS compliant.

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 - xxxHB
1

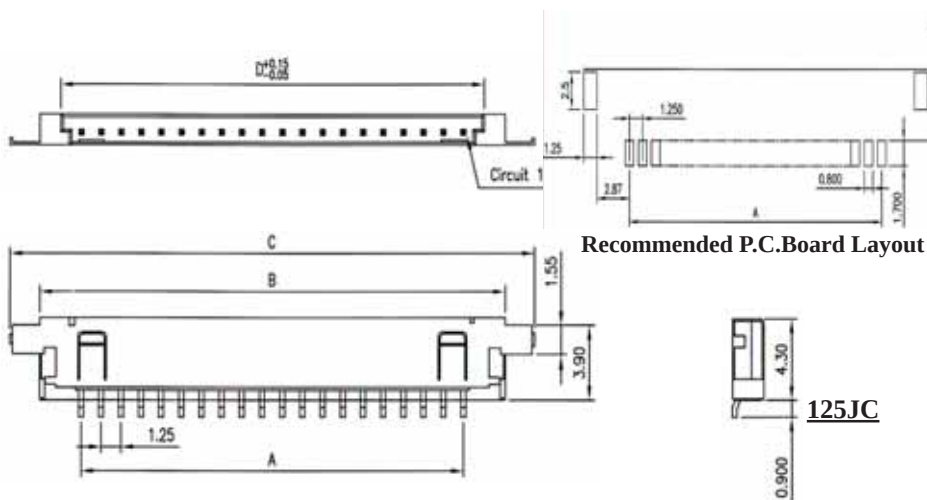
1. NO. OF CONTACTS:
020, 030

P/N 125JB - xxxHB
1

1. NO. OF CONTACTS:
021, 031

NOTE: ACCEPTS 125JE TERMINAL

1.25MM(0.049") SPACING WIRE-TO-BOARD SYSTEM (E2)



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

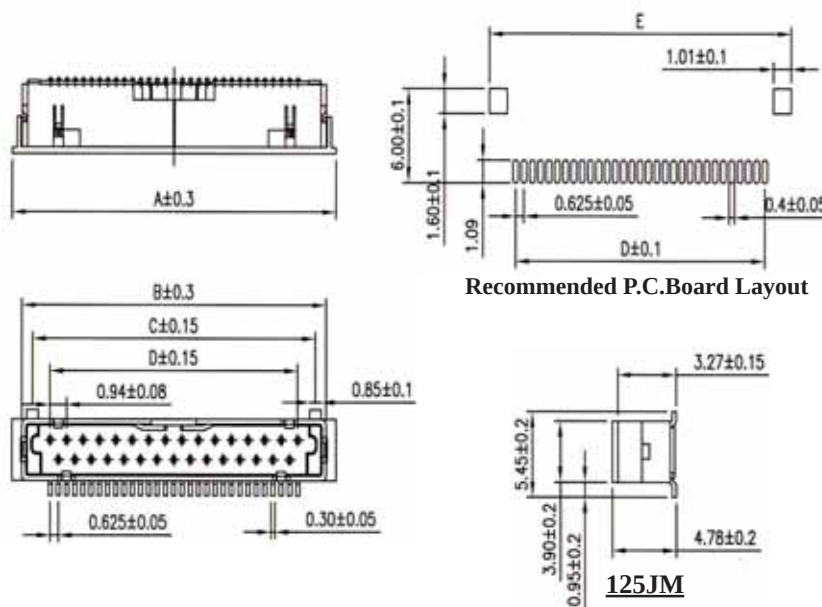
All materials must be RoHS compliant.

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



ORDERING INFORMATION:

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

1. NO. OF ROWS:

"JC" SINGLE ROW

"JM" DOUBLE ROW

2. NO. OF CONTACTS:

020, 030 for SINGLE ROW

021, 031 for DOUBLE ROW

3. PACKAGE OPTION:

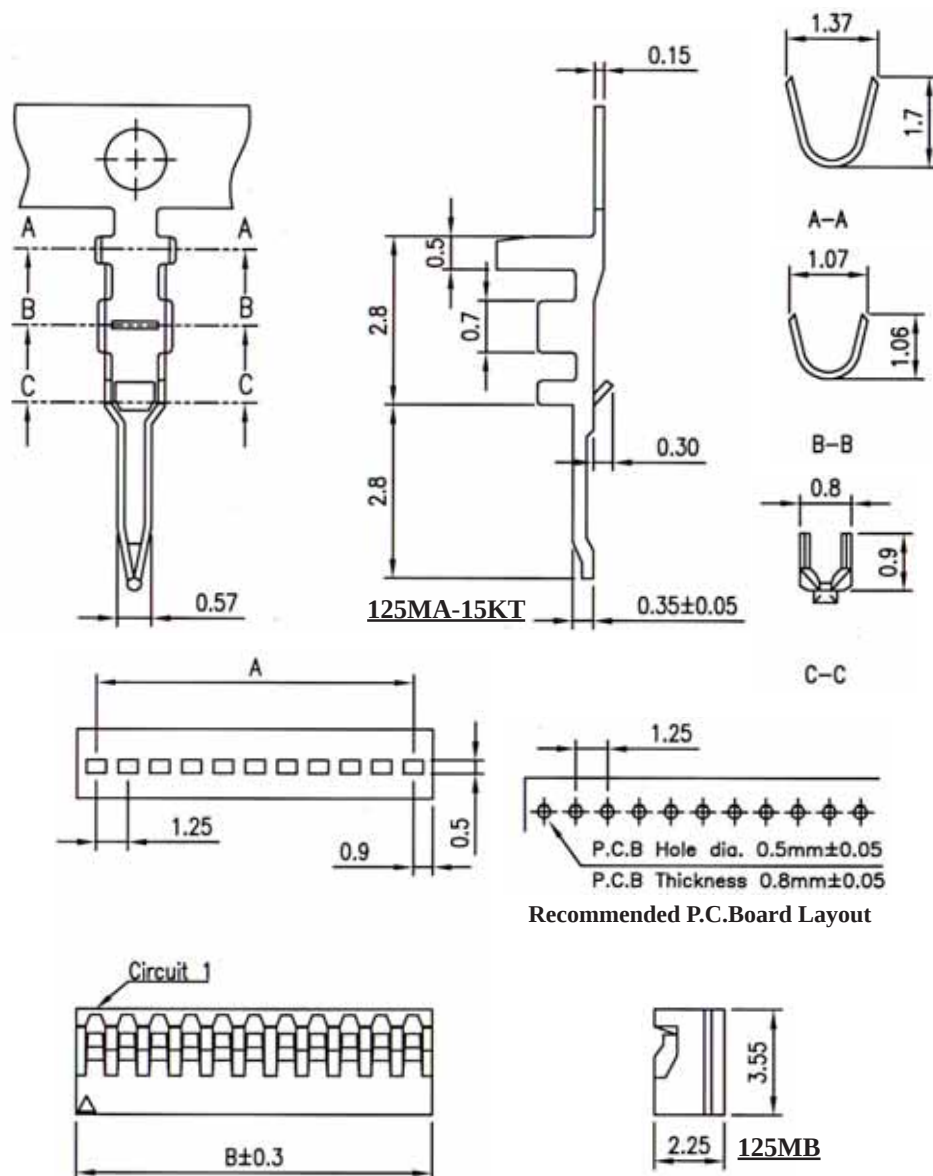
"O" BULK PACKAGE

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

NOTE: MATES WITH 125JA or 125JB HOUSING

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 125MA-15KT

PU= 15.000PCS/REEL

NOTE: ACCEPTS 125MB HOUSING

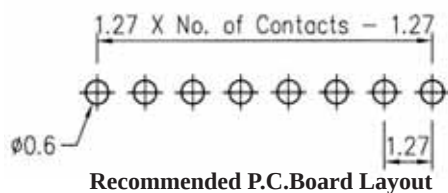
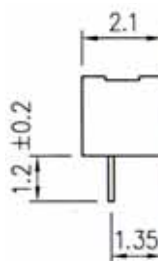
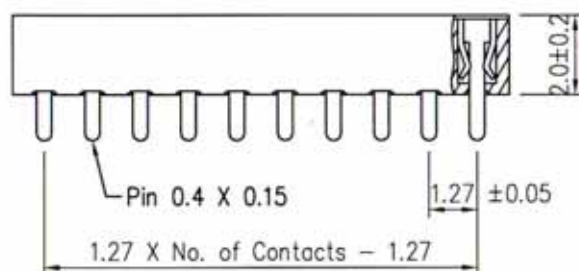
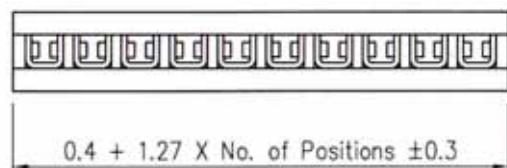
HOUSING:

P/N 125MB-xxxHW
1

1. NO. OF CONTACTS:
002 through 015

NOTE: ACCEPTS 125MA TERMINAL

1.27MM(0.050") FEMALE HEADER SINGLE ROW STRAIGHT TYPE PROFILE=2.00MM



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 20m Ω 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 C 9 9 - x x x x B

1 2 3

1. TERMINAL TYPE:

"C99" 0.40x0.15mm

2. NO. OF CONTACTS:

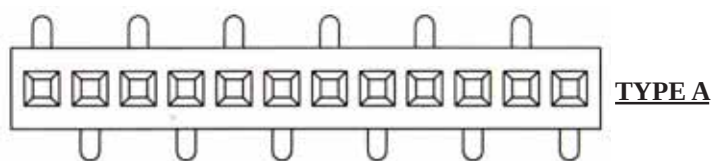
002 through 050

3. CONTACT FINISH:

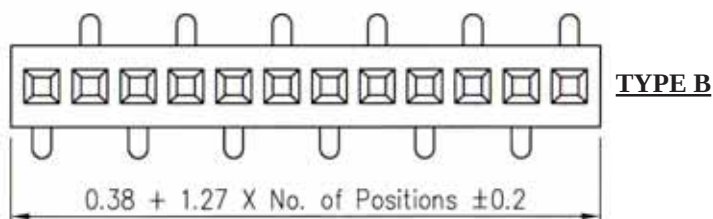
"G" FULL GOLD PLATED

"T" FULL TIN PLATED

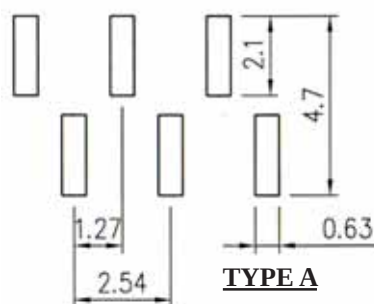
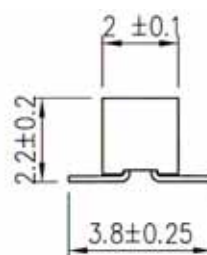
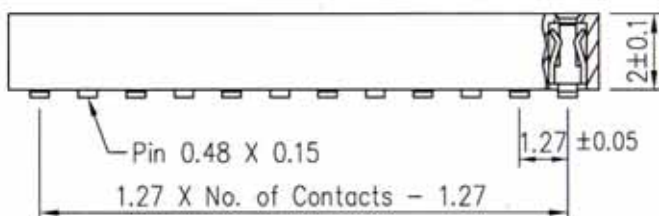
1.27MM(0.050") FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=2.00MM



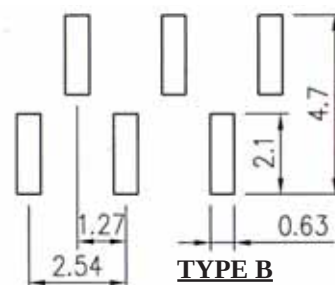
TYPE A



TYPE B



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 through 050

3. CONTACT FINISH:

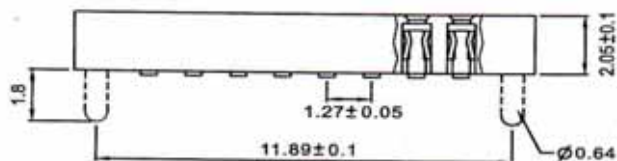
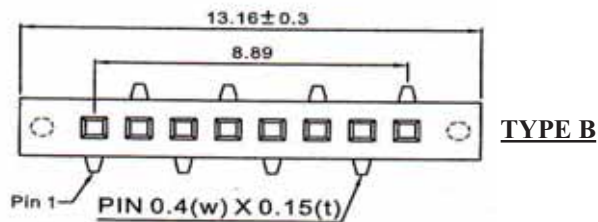
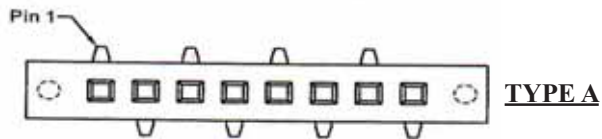
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

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

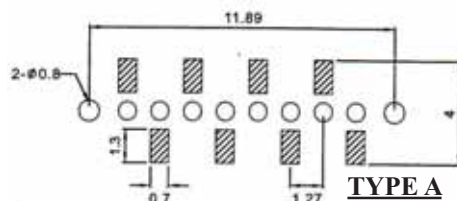
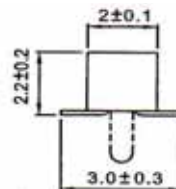


SPECIFICATIONS

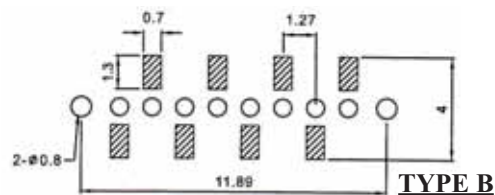
Current Rating: 1.0 Amp
 Dielectric Withstand: 300V AC
 Insulator Resistance: 1000 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C

MATERIALS

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



Recommended P.C.Board Layout



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. PCB LAYOUT TYPE:

"JF" TYPE A WITH LOCATING PEG
 "JR" TYPE B WITH LOCATING PEG

2. NO. OF CONTACTS:

003 through 050

3. CONTACT FINISH:

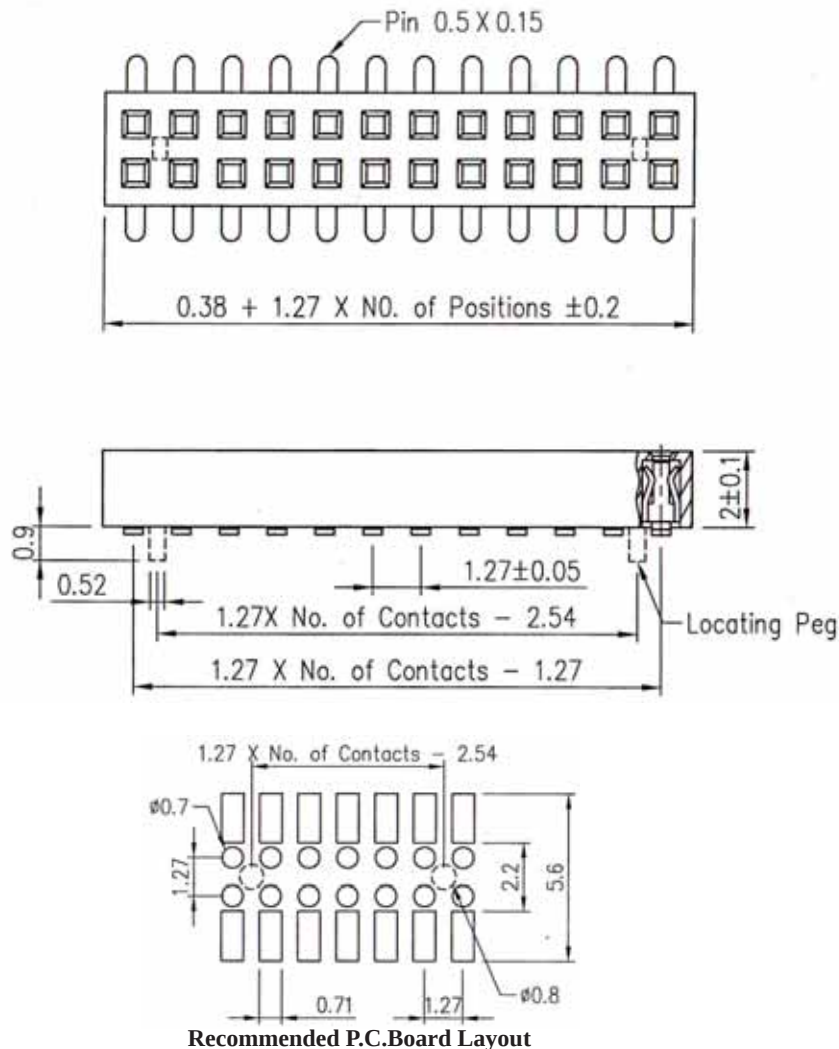
"G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED

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 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 M Ω min.

Contact Resistance: 20m Ω Max.

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

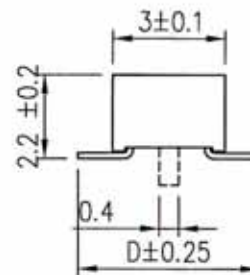
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

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

1. PIN TYPE & LOCATING PEG OPTION:

- "C63" D= 4.2mm W/O LOCATING PEG
- "C64" D= 4.2mm WITH LOCATING PEG
- "C65" D= 4.5mm W/O LOCATING PEG
- "C66" D= 4.5mm WITH LOCATING PEG
- "C67" D= 4.8mm W/O LOCATING PEG
- "C68" D= 4.8mm WITH LOCATING PEG
- "C69" D= 5.0mm W/O LOCATING PEG
- "C70" D= 5.0mm WITH LOCATING PEG

2. NO. OF CONTACTS:

004 through 100

3. CONTACT FINISH:

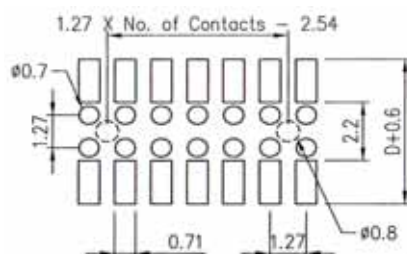
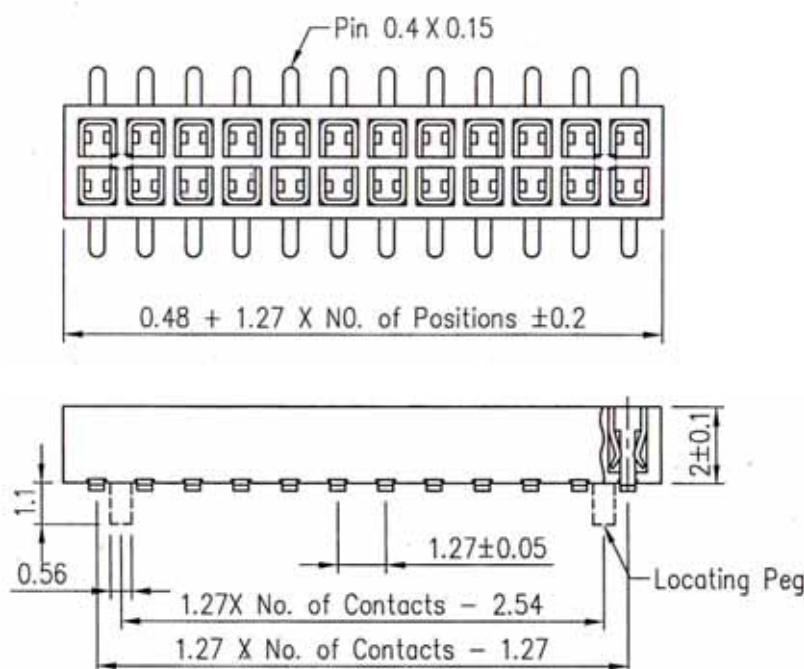
- "G" FULL GOLD PLATED
- "S" SELECTIVE GOLD PLATED
- "T" FULL TIN PLATED

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 FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=2.00MM



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 D x x - x x x x B - x
1 2 3 4

1. TERMINAL & LOCATING PEG OPTION:

"D01" D= 4.5mm W/O LCOATING PEG

"D02" D= 4.5mm WITH LOCATING PEG

"D03" D= 5.0mm W/O LCOATING PEG

"D04" D= 5.0mm WITH LOCATING PEG

2. NO. OF CONTACTS:

004 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

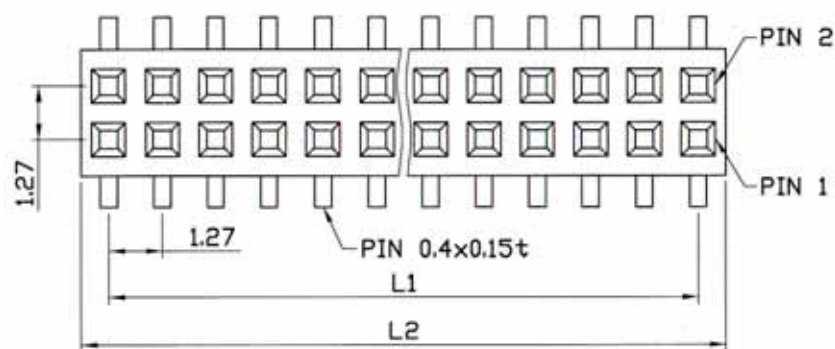
"T" W/O PAD IN TUBE

"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

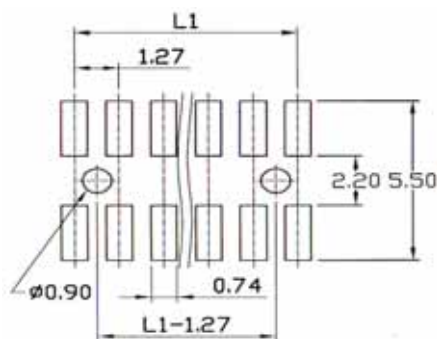
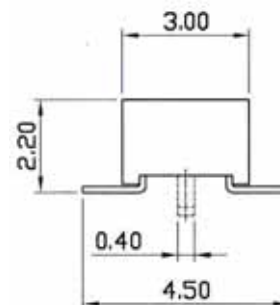
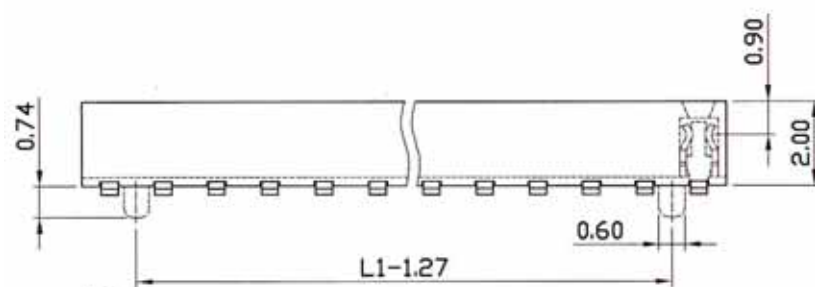


SPECIFICATIONS

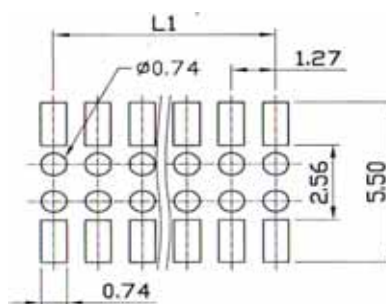
Current Rating: 1.0 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

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

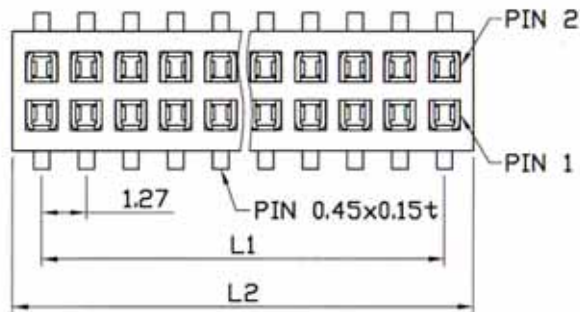
ORDERING INFORMATION:

P/N 1 2 $\frac{C \times \times}{1} - \frac{\times \times \times \times}{2} \frac{B}{3} - \frac{\times}{4}$

1. LOCATING PEG OPTION:
 "C61" W/O LOCATING PEG
 "C62" WITH LOCATING PEG
2. NO. OF CONTACTS:
 004 through 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 FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE= 2.00MM

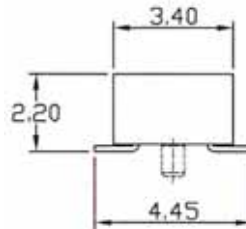
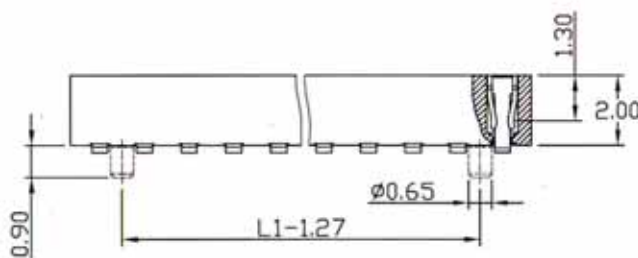


SPECIFICATIONS

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

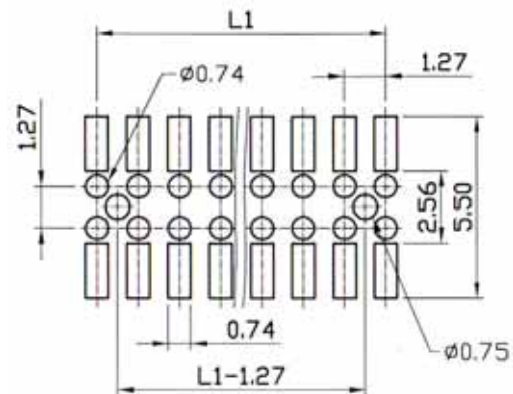
MATERIALS

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



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

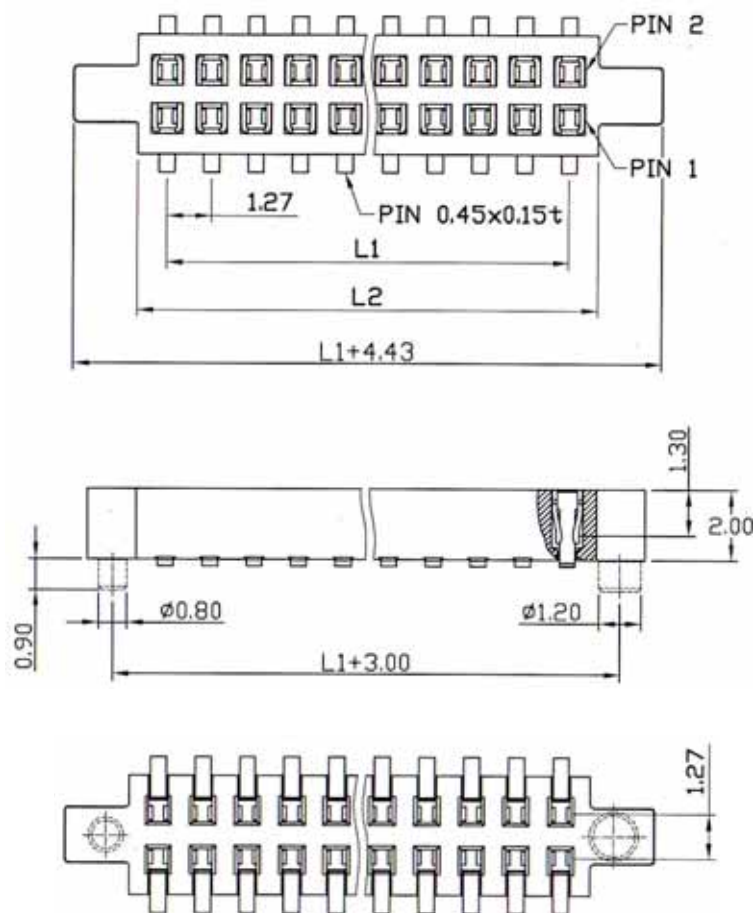
ORDERING INFORMATION:

P/N 1 2 7 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:
 "GM" W/O LOCATING PEG
 "FR" WITH LOCATING PEG
2. NO. OF CONTACTS:
 004 through 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

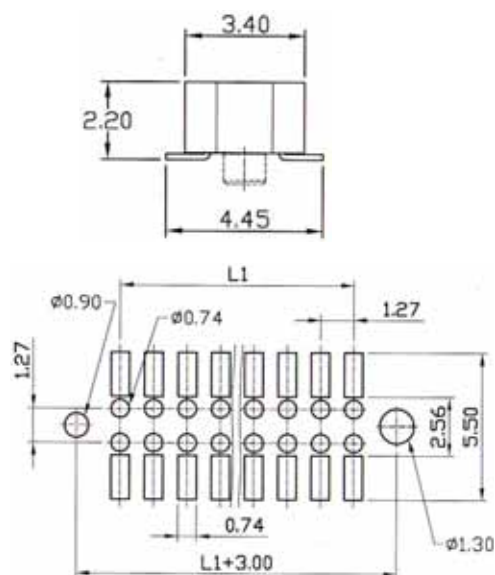
NOTE: PAD = Pick & Place Pad

1.27MM x 1.27MM 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

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.

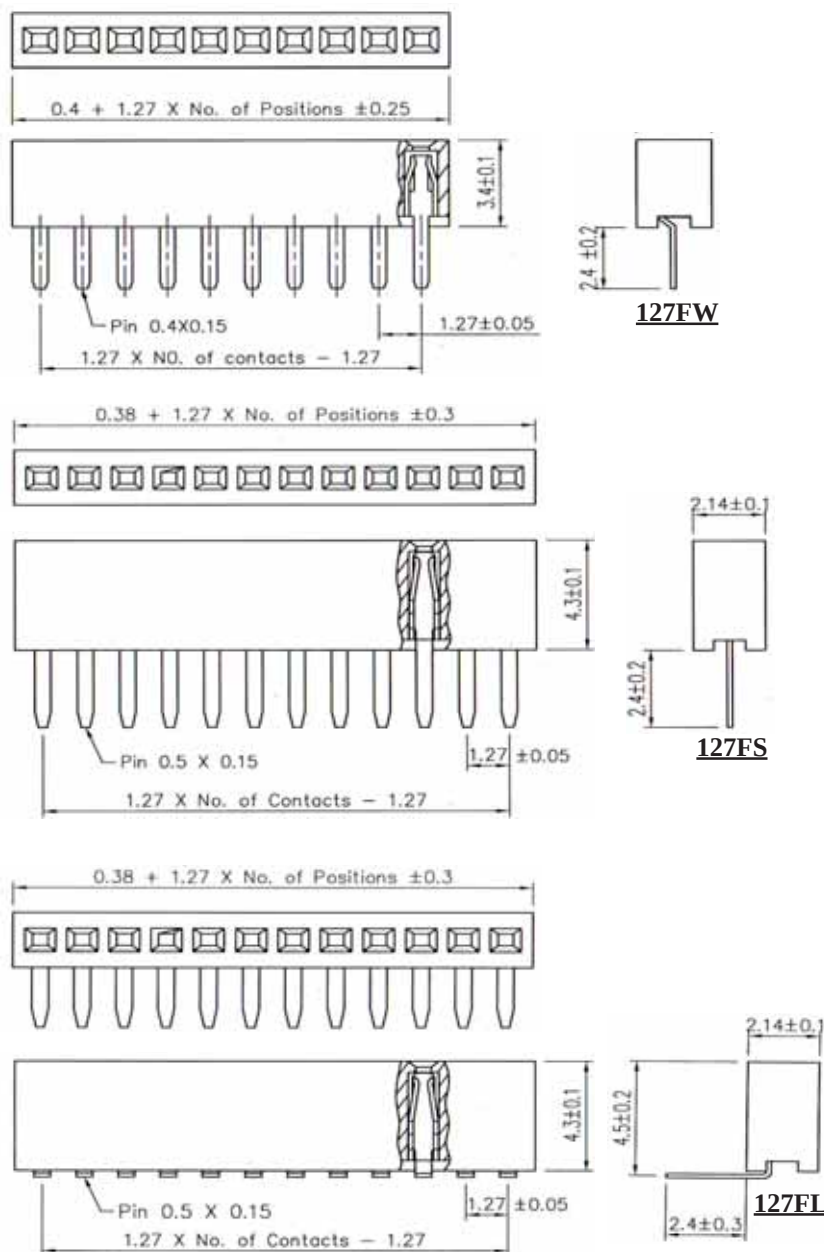
ORDERING INFORMATION:

P/N 1 2 C 4 6 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{x}{4}$ B - $\frac{x}{4}$

1. LOCATING PEG OPTION:
"C46" WITH LOCATING PEG
2. NO. OF CONTACTS:
004 through 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 0.40MMSQ FEMALE HEADER SINGLE ROW PROFILE=3.40MM & 4.30MM

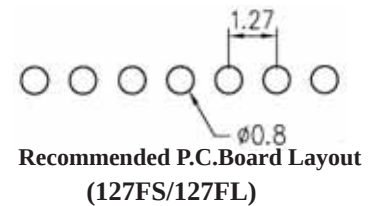
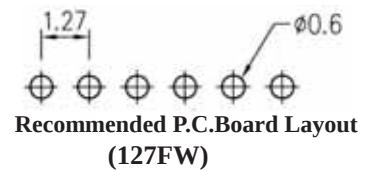


SPECIFICATIONS

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.

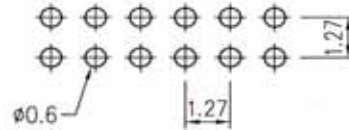
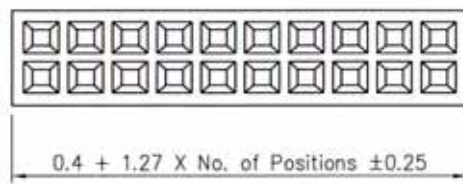


ORDERING INFORMATION:

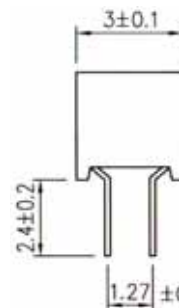
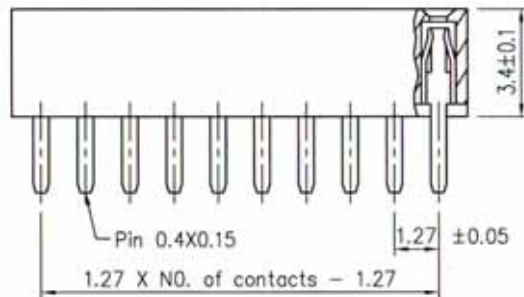
P/N 1 2 7 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B

1. PROFILE & TERMINAL TYPE:
 "FW" H= 3.4mm STRAIGHT TYPE
 "FS" H= 4.3mm STRAIGHT TYPE
 "FL" H= 4.3mm RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
 003 through 050
3. CONTACT FINISH:
 "G" FULL GOLD PLATED
 "T" FULL TIN PLATED

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW PROFILE=3.40MM & 4.30MM



Recommended P.C. Board Layout



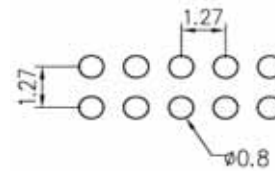
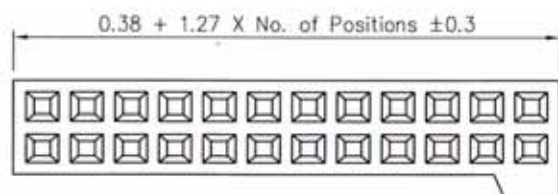
127HU

SPECIFICATIONS

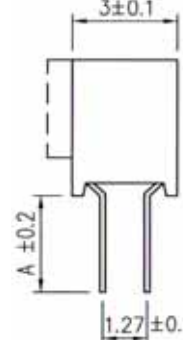
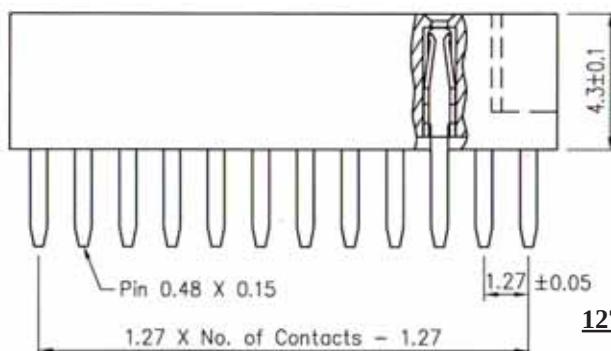
Current Rating: 1.0 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

MATERIALS

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



Recommended P.C. Board Layout



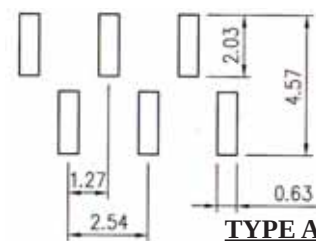
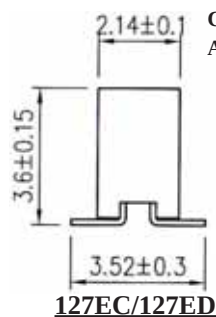
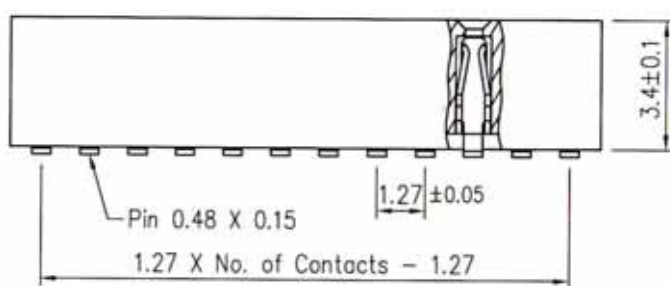
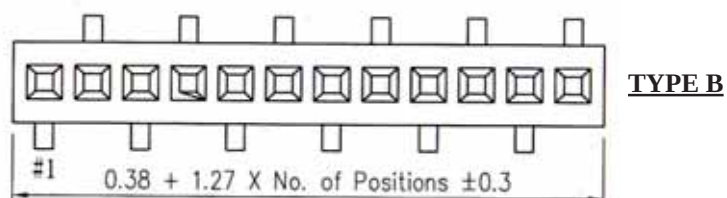
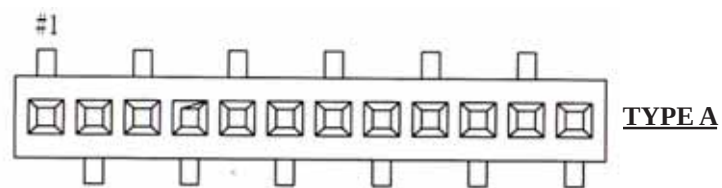
127HW/127KN/127KR/127KX

ORDERING INFORMATION:

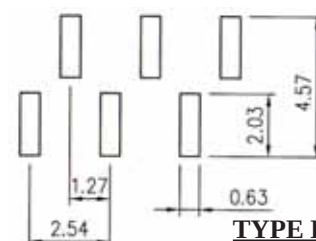
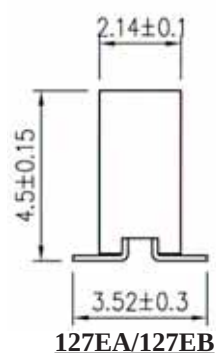
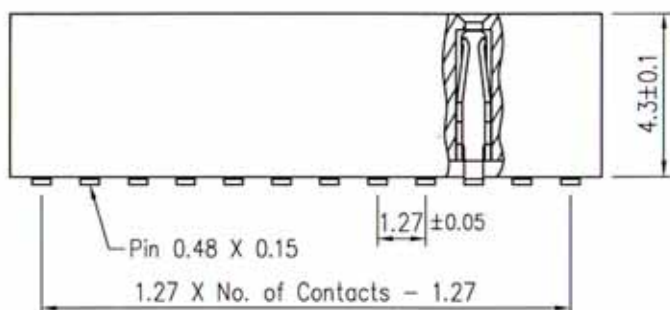
P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B

- BODY & TERMINAL TYPE:
 "HU" H= 3.4mm STRAIGHT TYPE
W/O POLARIZATION NOTCH:
 "HW" H= 4.3mm, A= 2.4mm
 "KN" H= 4.3mm, A= 3.0mm
WITH POLARIZATION NOTCH:
 "KR" H= 4.3mm, A= 2.4mm
 "KX" H= 4.3mm, A= 3.0mm
- NO. OF CONTACTS:
 004 through 100
- CONTACT FINISH:
 "G" FULL GOLD PLATED
 "T" FULL TIN PLATED

1.27MM 0.40MMSQ FEMALE HEADER SINGLE ROW SMT TYPE **PROFILE=3.40MM & 4.30MM**



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 - $\frac{x}{4}$

1. PCB LAYOUT TYPE:

- "EC" H= 3.4mm TYPE A
- "ED" H= 3.4mm TYPE B
- "EA" H= 4.3mm TYPE A
- "EB" H= 4.3mm TYPE B

2. NO. OF CONTACTS:

003 through 050

3. CONTACT FINISH:

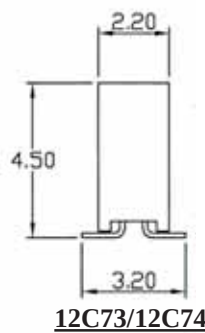
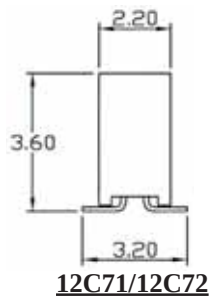
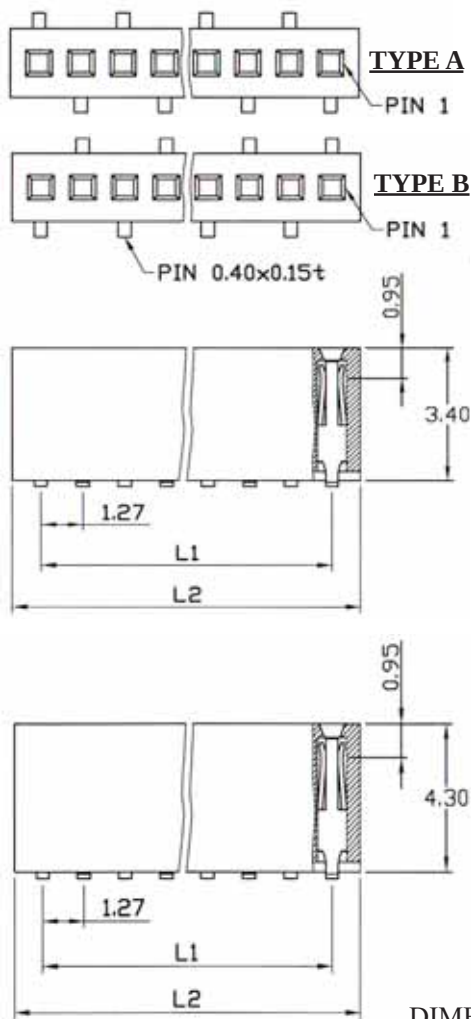
- "G" FULL GOLD PLATED
- "T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

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

NOTE: PAD = Pick & Place Pad

1.27MM 0.40MMSQ FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=3.40MM & 4.30MM



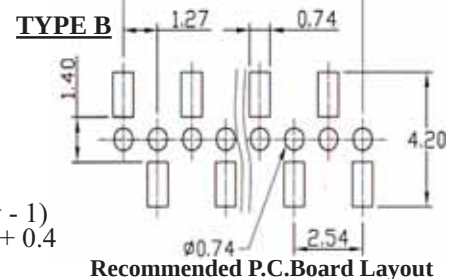
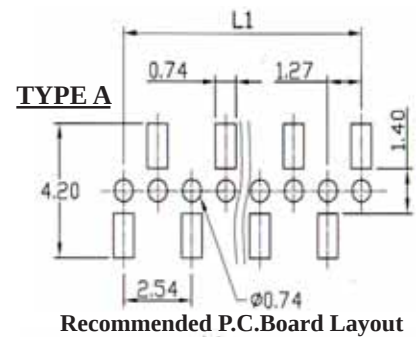
DIMENSIONS:
 $L1 = 1.27 \times (\text{No. of Contacts/Row} - 1)$
 $L2 = 1.27 \times \text{No. of Contacts/Row} + 0.4$

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 C x x - x x x x B - x
 1 2 3 4

1. PCB LAYOUT TYPE:

"C71" H= 3.4mm TYPE A
 "C72" H= 3.4mm TYPE B
 "C73" H= 4.3mm TYPE A
 "C74" H= 4.3mm TYPE B

2. NO. OF CONTACTS:

003 through 050

3. CONTACT FINISH:

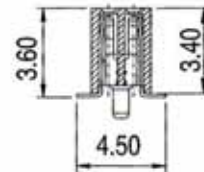
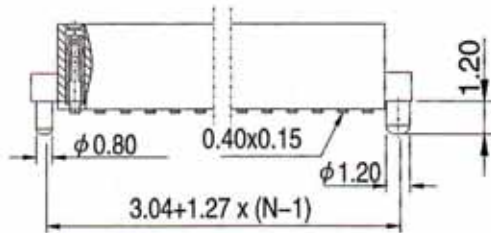
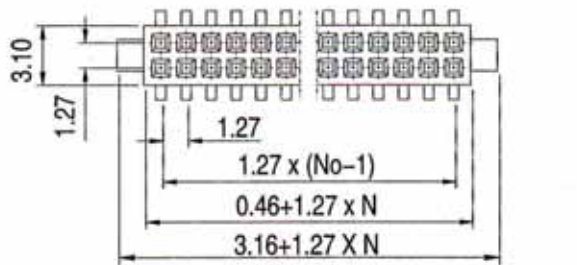
"G" FULL GOLD PLATED
 "T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

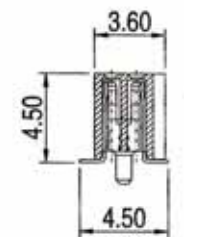
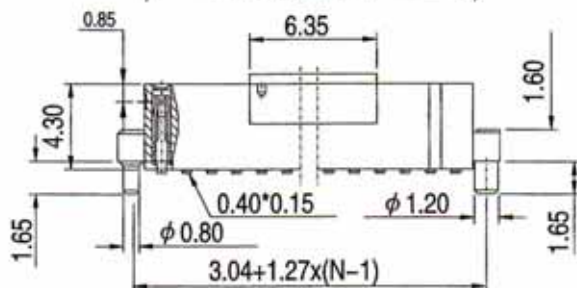
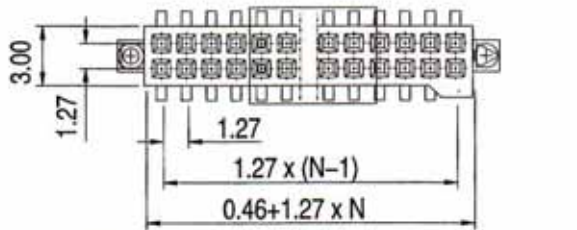
"T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

1.27MM x 1.27MM FEMALE HEADER SMT TYPE PROFILE= 3.40MM & 4.30MM



127TV/127TW



127QL/127QM

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

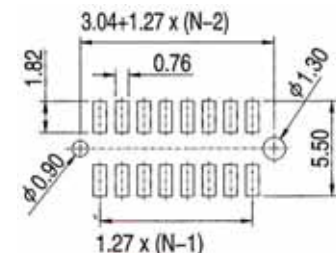
MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



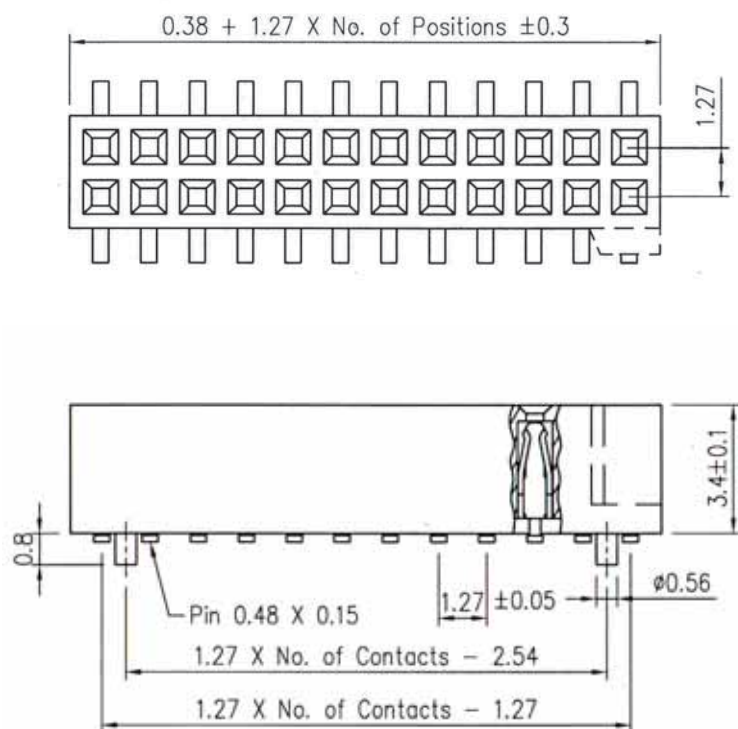
Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. PROFILE & LOCATING PEG OPTION:
 "TV" H= 3.40mm W/O LOCATING PEG
 "TW" H= 3.40mm WITH LOCATING PEG
 "QL" H= 4.30mm W/O LOCATING PEG
 "QM" H= 4.30mm WITH LOCATING PEG
2. NO. OF CONTACTS:
 006 through 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

1.27MM x 1.27MM FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=3.40MM

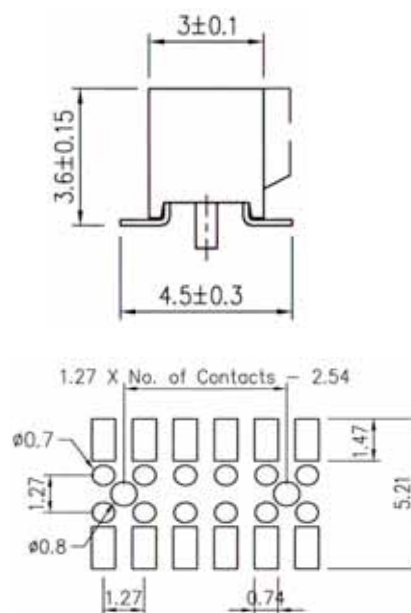


SPECIFICATIONS

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

ORDERING INFORMATION:

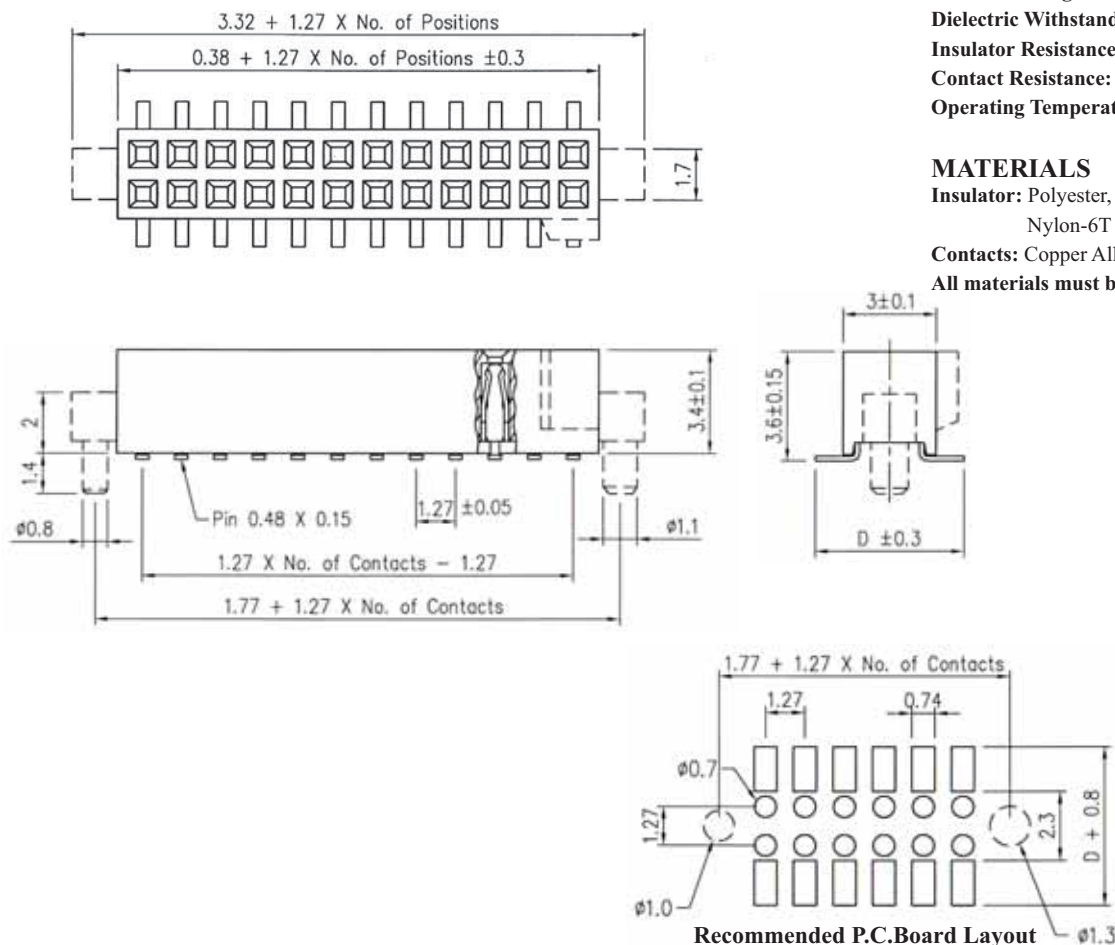
P/N 1 2 C x x - x x x x B - x
 1 2 3 4

1. BODY TYPE:
WITH POLARIZATION NOTCH:
 "C90" WITH LOCATING PEG
W/O POLARIZATION NOTCH:
 "C91" W/O LOCATING PEG
 "C92" WITH LOCATING PEG
2. NO. OF CONTACTS:
 006 through 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=3.40MM



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 C x x - x x x B - x
1 2 3 4

1. BODY & TERMINAL TYPE:

WITH POLARIZATION NOTCH:

"C93" D= 4.5mm W/O LOCATING PEG

"C94" D= 4.5mm WITH LOCATING PEG

"C95" D= 4.8mm W/O LOCATING PEG

"C96" D= 4.8mm WITH LOCATING PEG

W/O POLARIZATION NOTCH:

"C97" D= 4.5mm WITH LOCATING PEG

"C98" D= 4.8mm WITH LOCATING PEG

"D14" D= 4.5mm W/O LOCATING PEG

"D15" D= 4.8mm W/O LOCATING PEG

2. NO. OF CONTACTS:

006 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

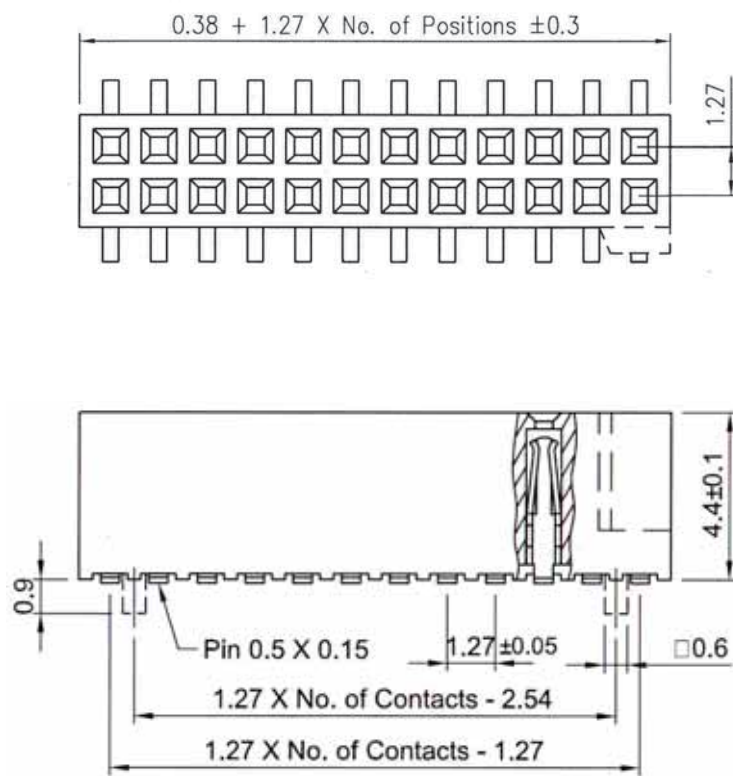
"T" W/O PAD IN TUBE

"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=4.40MM

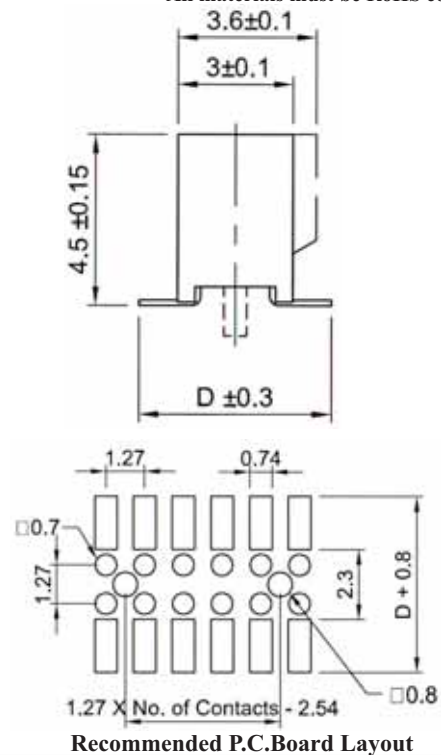


SPECIFICATIONS

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 $\frac{C \times \times}{1} - \frac{\times \times \times}{2} \frac{\times}{3} B - \frac{\times}{4}$

1. BODY & TERMINAL TYPE:

WITH POLARIZATION NOTCH:

"C75" D= 4.5mm WITH LOCATING PEG

"C77" D= 4.8mm WITH LOCATING PEG

"C79" D= 5.0mm WITH LOCATING PEG

W/O POLARIZATION NOTCH:

"C76" D= 4.5mm WITH LOCATING PEG

"C78" D= 4.8mm WITH LOCATING PEG

"C80" D= 5.0mm WITH LOCATING PEG

2. NO. OF CONTACTS:

006 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

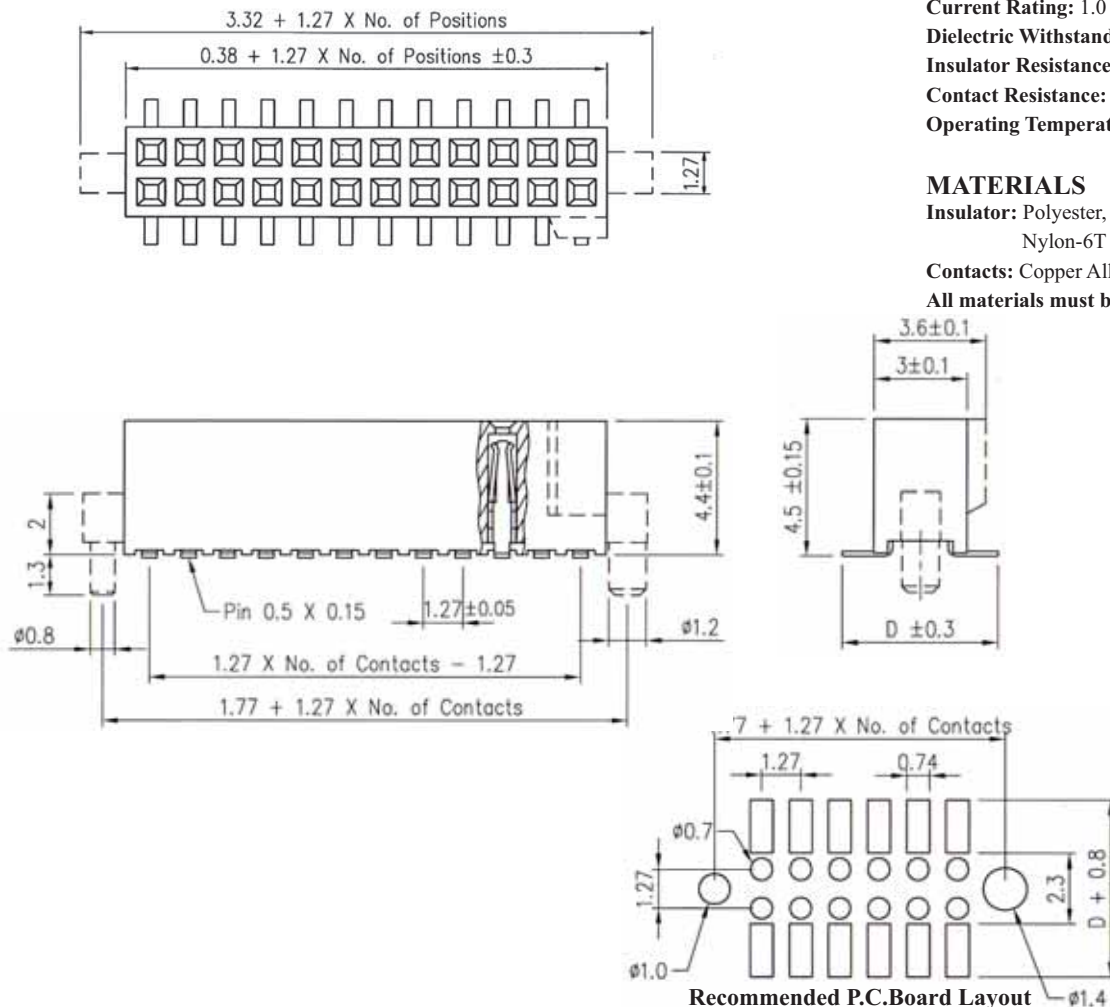
"T" W/O PAD IN TUBE

"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=4.40MM



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 C x x - x x x x B - x
1 2 3 4

1. BODY & TERMINAL TYPE:

WITH POLARIZATION NOTCH:

"C81" D= 4.5mm W/O LOCATING PEG

"C82" D= 4.5mm WITH LOCATING PEG

"C83" D= 4.8mm W/O LOCATING PEG

"C84" D= 4.8mm WITH LOCATING PEG

"C85" D= 5.0mm W/O LOCATING PEG

"C86" D= 5.0mm WITH LOCATING PEG

W/O POLARIZATION NOTCH:

"C87" D= 4.5mm WITH LOCATING PEG

"C88" D= 4.8mm WITH LOCATING PEG

"C89" D= 5.0mm WITH LOCATING PEG

"D11" D= 4.5mm W/O LOCATING PEG

"D12" D= 4.5mm W/O LOCATING PEG

"D13" D= 4.5mm W/O LOCATING PEG

2. NO. OF CONTACTS:

006 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

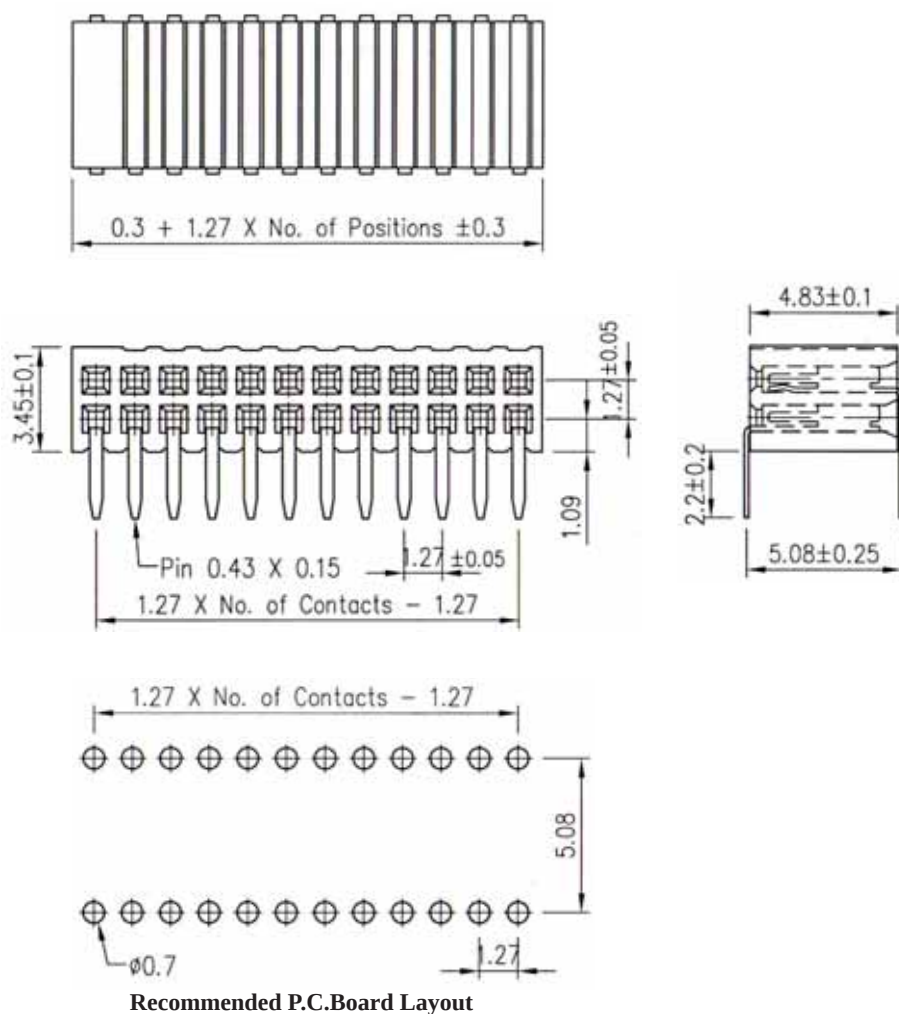
"T" W/O PAD IN TUBE

"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 SIDE ENTRY DIP TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -40 $^{\circ}$ C to + 105 $^{\circ}$ C

MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 7 F X - $\frac{x x x}{1} \frac{x}{2}$ B

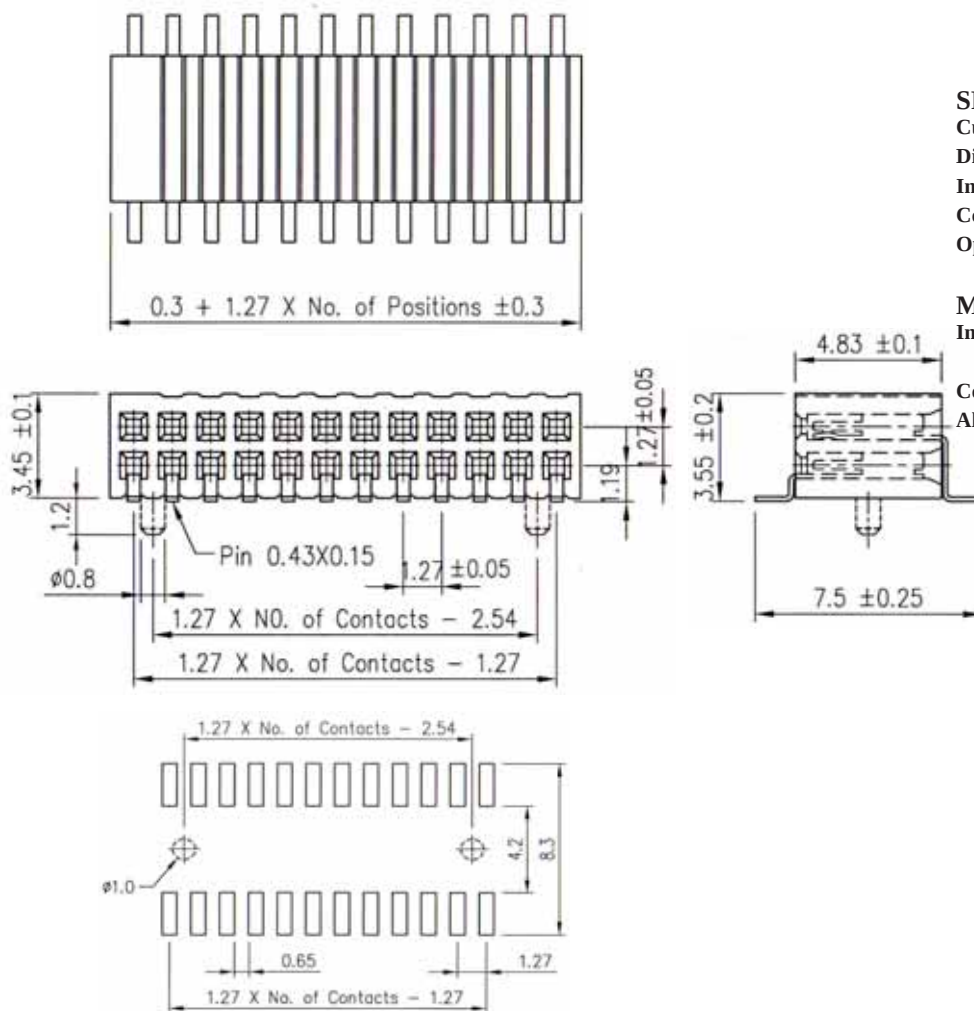
1. NO. OF CONTACTS:

006 through 100

2. CONTACT FINISH:

"G" FULL GOLD PLATED

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: 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 D X X - X X X X B - X
1 2 3 4

1. LOCATING PEG OPTION:

"D05" W/O LOCATING PEG

"D06" WITH LOCATING PEG

2. NO. OF CONTACTS:

006 through 100

3. CONTACT FINISH:

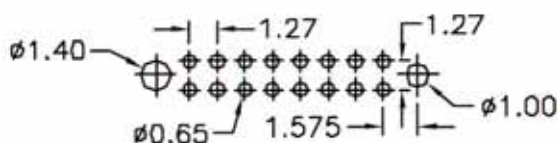
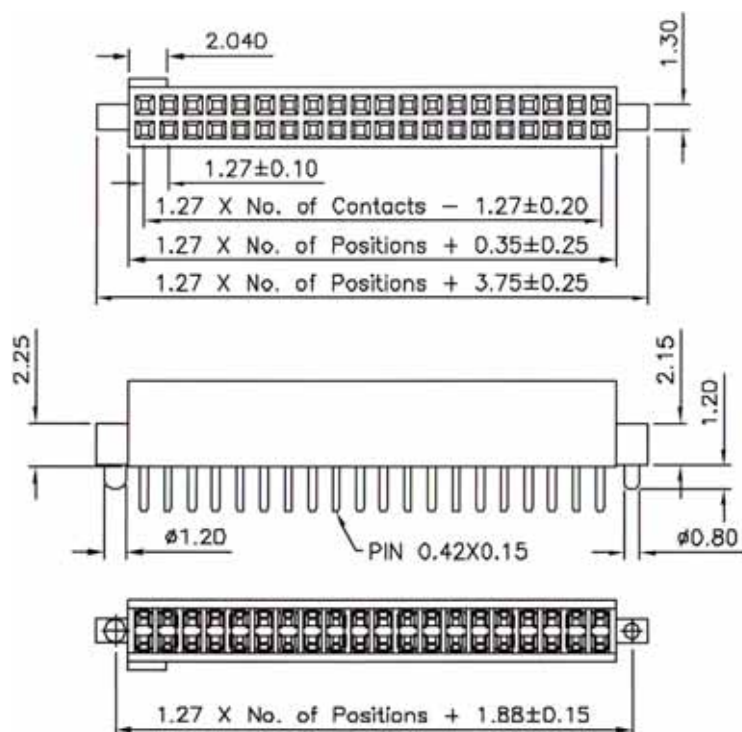
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

1.27MM x 1.27MM FEMALE HEADER DIP TYPE PROFILE=4.40MM (BTB-01)



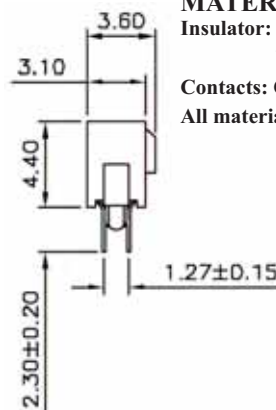
Recommended P.C.Board Layout

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.



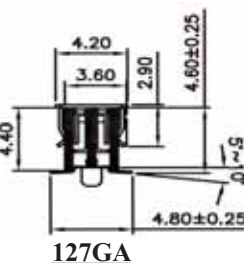
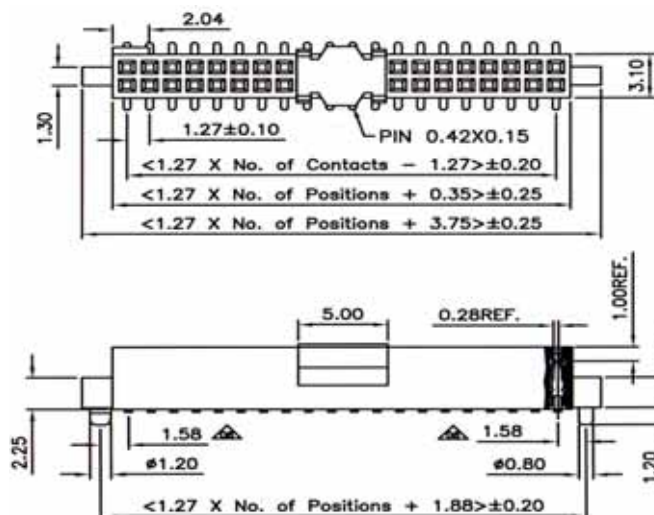
ORDERING INFORMATION:

P/N 1 2 7 BT - x x x x B - x
1 2 3 4

1. LOCATING PEG OPTION:
"BT" WITH LOCATING PEG
2. NO. OF CONTACTS:
006 through 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 123!)

1.27MM x 1.27MM FEMALE HEADER SMT TYPE PROFILE= 4.40MM (BTB-02)

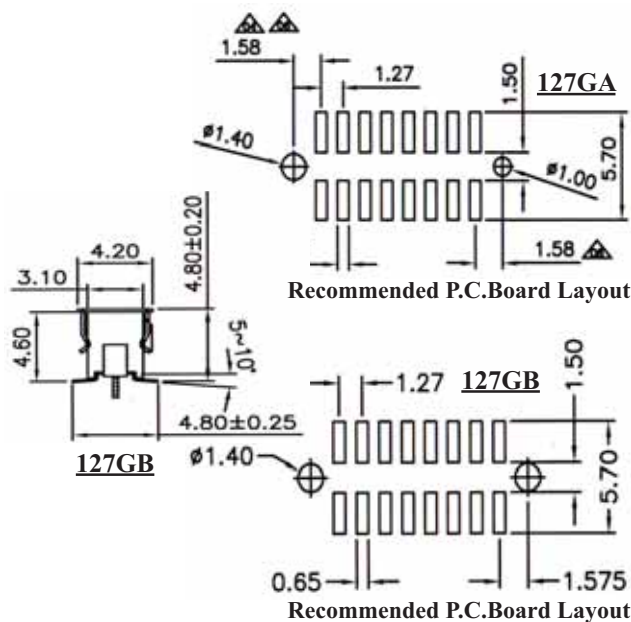
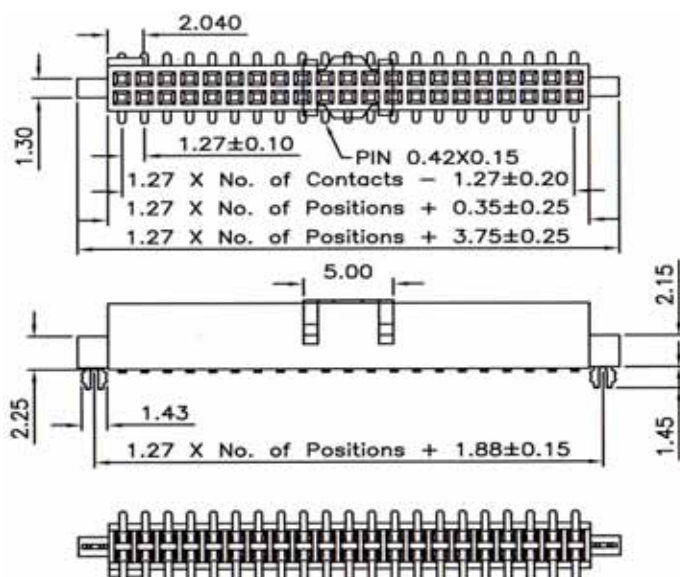


SPECIFICATIONS

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, 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. MOUNTING TYPE OPTION:
"GA" POLAR KEY TYPE
"GB" BOARD LOCK TYPE
2. NO. OF CONTACTS:
010 through 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 123!)

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		

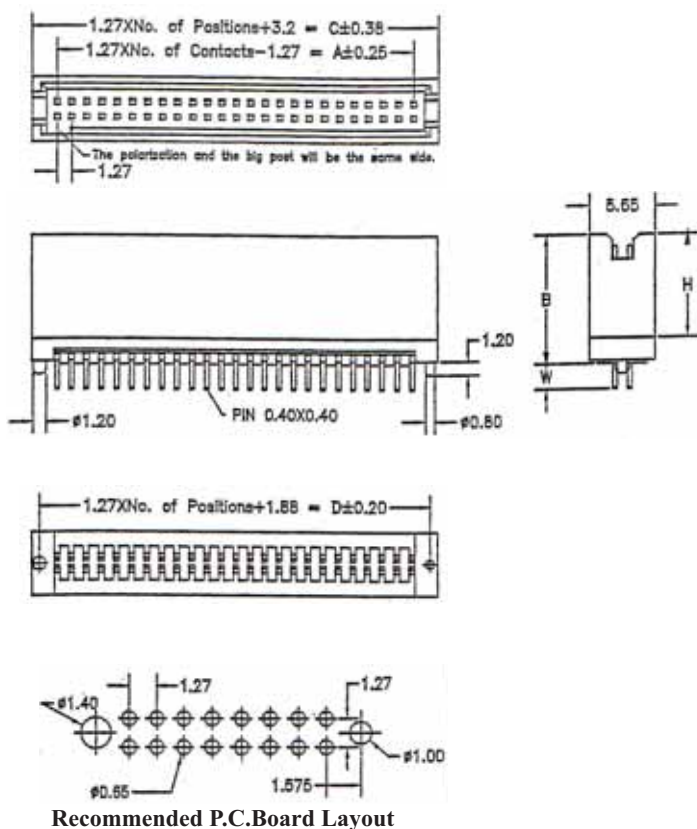
TABLE 3:

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 $\frac{XXX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ 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 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

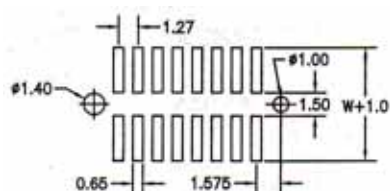
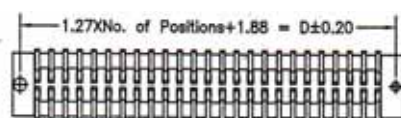
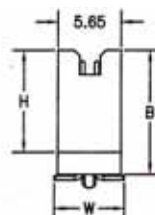
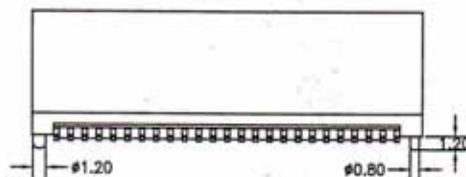
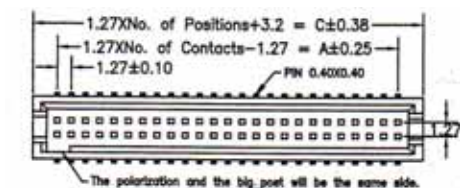
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: 1. MATES WITH 127GA, 127GB & 127BT

2. STACKED HEIGHTS: PLEASE SEE PAGE 123!

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, UL94V-0

Nylon-6T

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 $\frac{x \ x \ x}{1}$ - $\frac{x \ x \ x \ x}{2}$ $\frac{x}{3}$ 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 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

4. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

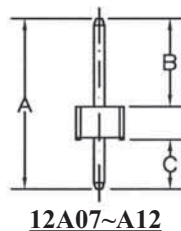
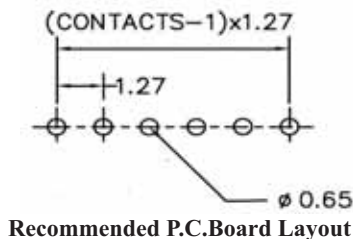
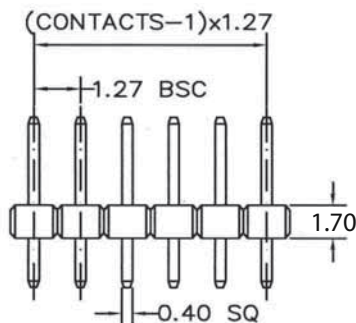
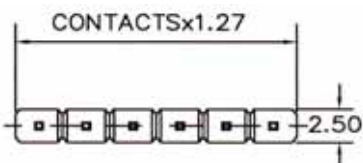
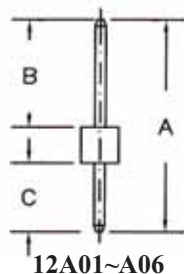
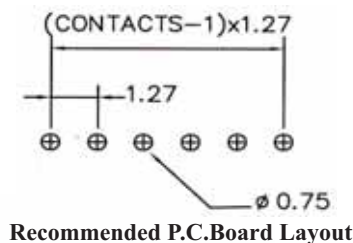
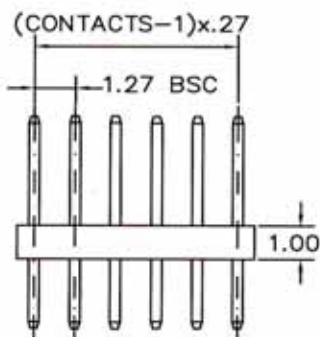
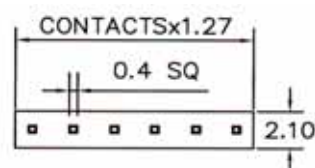
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: 1. MATES WITH 127GA, 127GB & 127BT

2. STACKED HEIGHTS: PLEASE SEE PAGE 123!

1.27MM 0.40MMSQ PIN HEADER STRAIGHT TYPE PROFILE=1.00MM & 1.70MM



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=1.0mm	H=1.7mm	B(mm)	C(mm)
A01	A07	3.0	2.3
A02	A08	2.1	3.2
A03	A09	3.0	3.3
A04	A10	4.8	1.5
A05	A11	3.0	4.2
A06	A12	6.0	3.0

ORDERING INFORMATION:

P/N 1 2 A X X - X X X X B

1. TERMINAL CODE:

A01, A02, A03, A04, A05, A06
A07, A08, A09, A10, A11, A12

2. NO. OF CONTACTS:

002 through 050

3. CONTACT FINISH:

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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 2 XXXX - A/B/C - X X X X B

THEN WE WILL GIVE YOU:

Part N.: P X X X X X X - X X X X B

1. EXTERIOR CODE:

"41S6" PROFILE H=1.00mm

"51S1" PROFILE H=1.70mm

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

3. NO. OF CONTACTS:

002 through 050

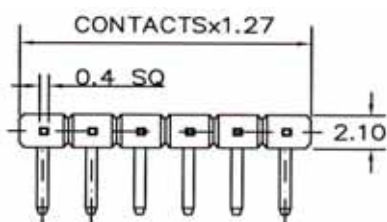
4. CONTACT FINISH:

"G" FULL GOLD PLATED

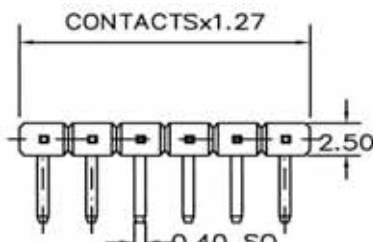
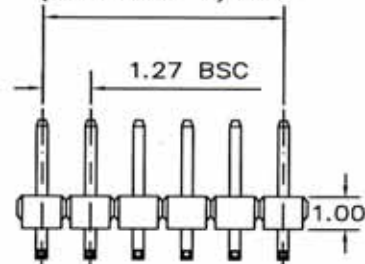
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

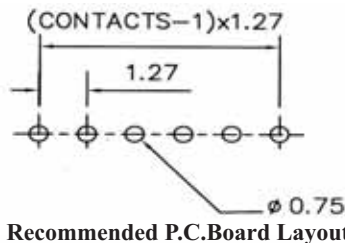
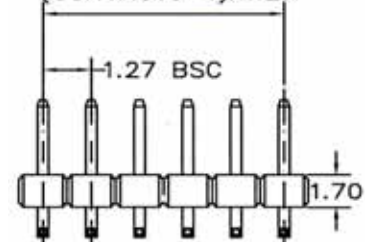
1.27MM 0.40MMSQ PIN HEADER RIGHT ANGLE TYPE PROFILE=1.00MM & 1.70MM



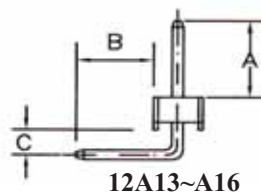
(CONTACTS-1)x1.27



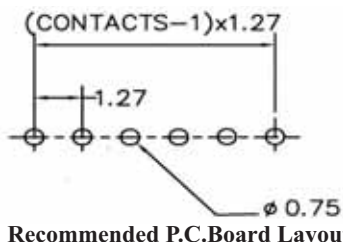
(CONTACTS-1)x1.27



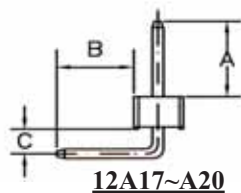
Recommended P.C.Board Layout



12A13~A16



Recommended P.C.Board Layout



12A17~A20

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.

Terminal Code:

H=1.0mm	H=1.7mm	A(mm)	B(mm)	C(mm)
A13	A17	2.7	2.3	1.5
A14	A18	3.0	2.3	1.5
A15	A19	1.9	2.3	2.2
A16	A20	1.6	2.3	2.2

ORDERING INFORMATION:

P/N 1 2 A X X - X X X X B
1 2 3 4

1. TERMINAL CODE:
A13, A14, A15, A16, A17, A18, A19, A20
2. NO. OF CONTACTS:
002 through 050
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

FOR SPECIAL TYPE GIVE US A CODE :

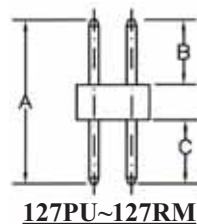
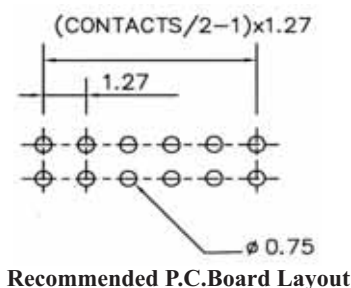
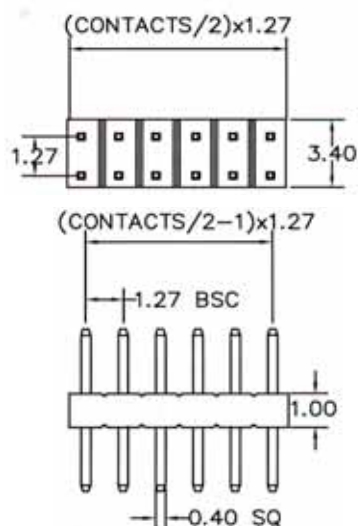
Code: 1 2 XXXX - A/B/C - X X X X B
1 2 3 4

THEN WE WILL GIVE YOU:

Part N.: P X X X X X X - X X X X B
YY MM DD 3 4

1. EXTERIOR CODE:
"41D1" PROFILE H=1.00mm
"51D1" PROFILE H=1.70mm
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
002 through 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 & 2.50MM

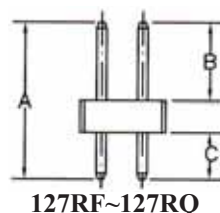
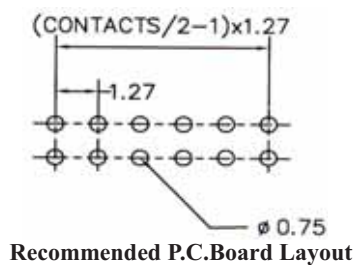
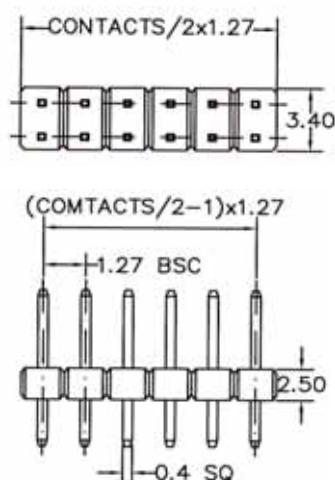


SPECIFICATIONS

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	H=2.5mm	B(mm)	C(mm)
PU	RF	3.0	2.3
PV	RG	2.1	3.2
PW	RH	3.0	3.3
PX	RJ	4.8	1.5
PY	RK	3.0	4.2
PZ	RL	6.0	3.0
RM	RQ	3.0	2.6

ORDERING INFORMATION:

P/N 1 2 7 XX - XX XX X B
 1 2 3

- CONNECTOR TYPE:
PU, PV, PW, PX, PY, PZ, RM
RF, RG, RH, RJ, RK, RL, RQ
- NO. OF CONTACTS:
004 through 100
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

FOR SPECIAL TYPE GIVE US A CODE :

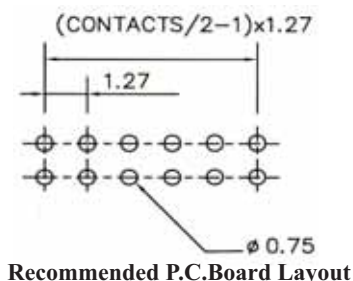
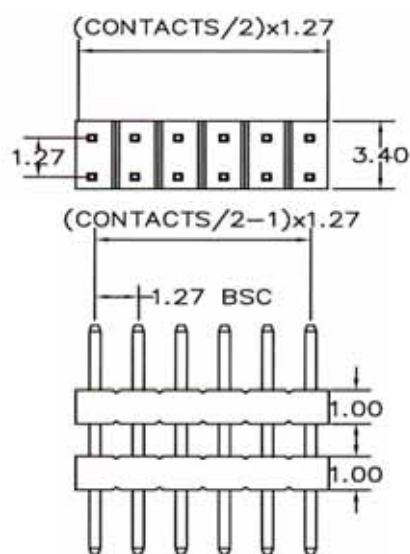
Code: 1 3 XXXX - A/B/C - XX XX X B
 1 2 3 4

THEN WE WILL GIVE YOU:

Part N.: P XX XX XX XX X - XX XX X B
 YY MM DD 3 4

- EXTERIOR CODE:
"32S6" PROFILE H=1.00mm
"82S1" PROFILE H=2.50mm
- DIMENSION A/B/C (UNIT: mm)
- NO. OF CONTACTS:
004 through 100
- 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 & 2.50MM

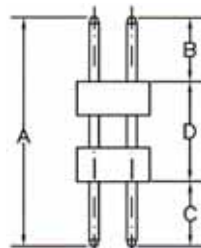


SPECIFICATIONS

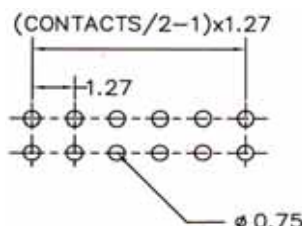
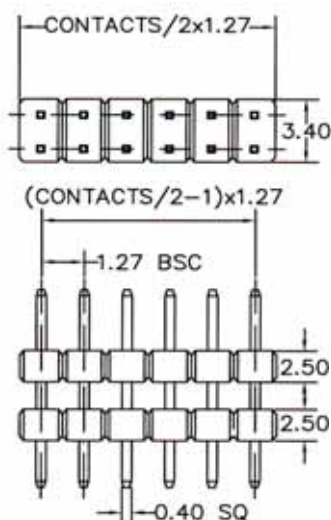
Current Rating: 1.0 Amp
 Dielectric Withstand: 600V AC
 Insulator Resistance: 5000 MΩ min.
 Contact Resistance: 30mΩ Max.
 Operating Temperature: -55°C to + 105°C

MATERIALS

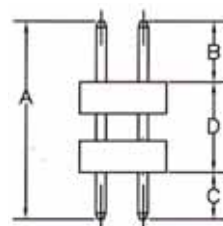
Insulator: Thermoplastic, UL94V-0
 Nylon-6T
 Contacts: Copper Alloy
 All materials must be RoHS compliant.



127QE~127QK



H=1.0mm	H=2.5mm	B(mm)	C(mm)	D(mm)
QE	TR	2.40	2.40	2.50
QF	TS	3.00	2.30	2.00
QG	TT	3.00	2.85	2.35
QH	TU	3.00	2.85	8.50
QJ	TX	3.00	2.85	9.15
QK	TY	3.00	3.00	12.50



127TR~127TY

ORDERING INFORMATION:

P/N 1 2 7 XX - XX XX X B
 1 2 3

- CONNECTOR TYPE:
 QE, QF, QG, QH, QJ, QK
 TR, TS, TT, TU, TX, TY
- NO. OF CONTACTS:
 002 through 050 for SINGLE ROW
 004 through 100 for DOUBLE ROW
- CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED

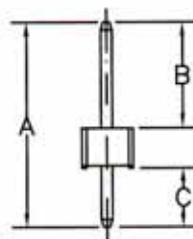
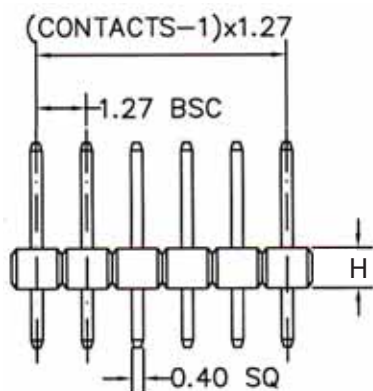
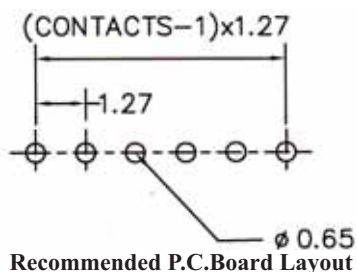
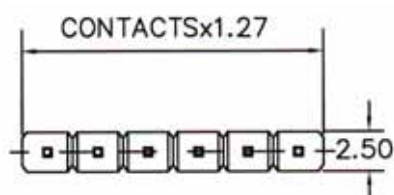
FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 3 XXXX - A/B/C/D - XX XX X B
 1 2 3 4

THEN WE WILL GIVE YOU:

Part N.: P XX XX XX XX XX - XX XX X B
 YY MM DD 3 4

- EXTERIOR CODE:
 "32S8" PROFILE H=1.00mm
 "82S8" PROFILE H=2.50mm
- DIMENSION A/B/C/D (UNIT: mm)
- NO. OF CONTACTS:
 004 through 100
- CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED



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.

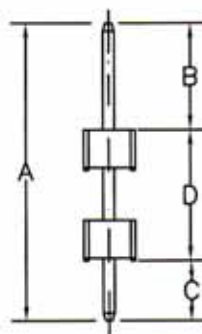
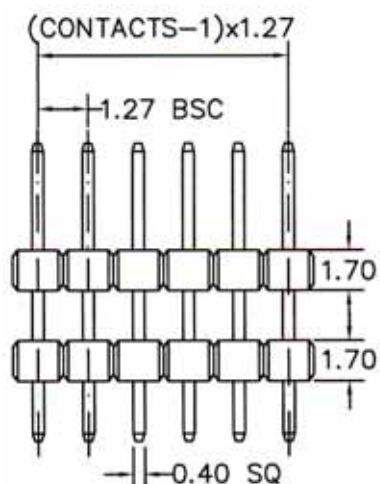
ORDERING INFORMATION:

CODE: 1 2 XXXX - A/B/C - XXXX B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P XXXXXX - XXXX B
 YY MM DD 3 4

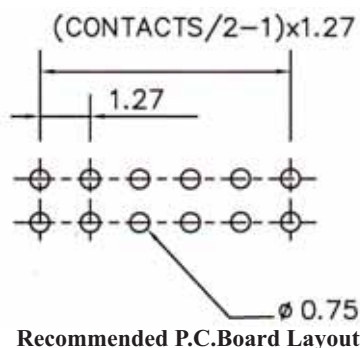
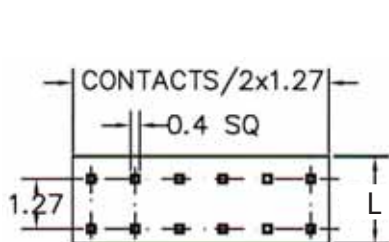
1. EXTERIOR CODE:
 "61S1" PROFILO H=2.00mm
 "71S6" PROFILO H=2.50mm
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
 002 through 050
4. CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED



Insulator: Thermoplastic, UL94V-0
Nylon-6T
Contacts: Copper Alloy
All materials must be RoHS compliant.

131

1.27MM x 1.27MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE= 1.70MM - 2.00MM

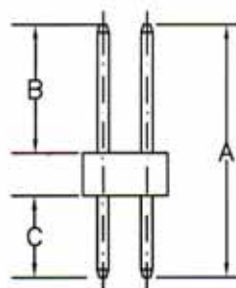
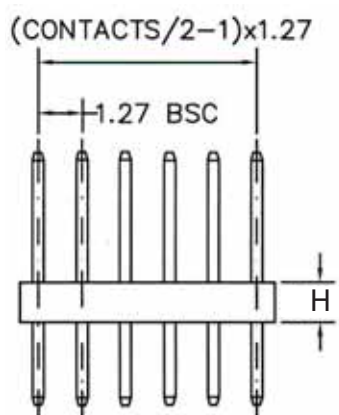


SPECIFICATIONS

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.



ORDERING INFORMATION:

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

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

P/N P $\frac{x x x x x x}{y y m m d d} x - \frac{x x x x}{3} \frac{x}{4} B$

1. EXTERIOR CODE:

"62S1" PROFILE H= 1,7mm L=3.0mm

"72S6" PROFILE H= 2.0mm L=3.4mm

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

3. NO. OF CONTACTS:

004 through 100

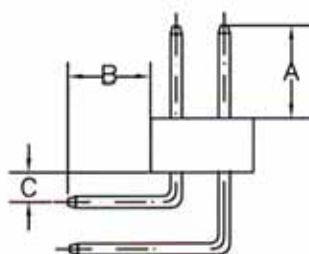
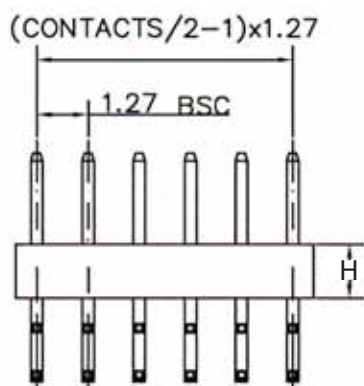
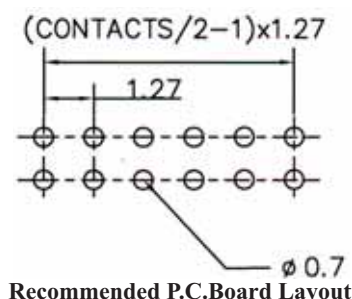
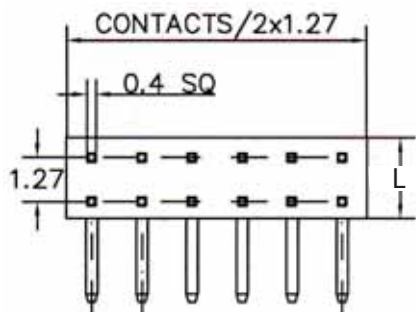
4. CONTACT FINISH:

"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 - 1,70MM



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:

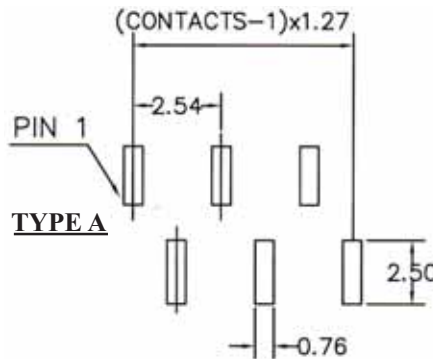
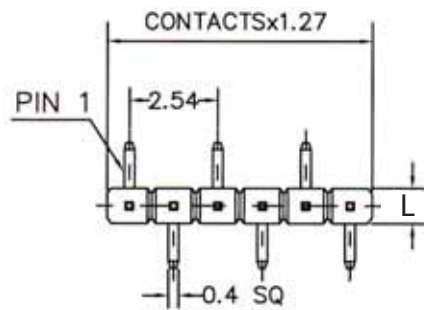
CODE: 1 3 XXXX - A/B/C - XXXX B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

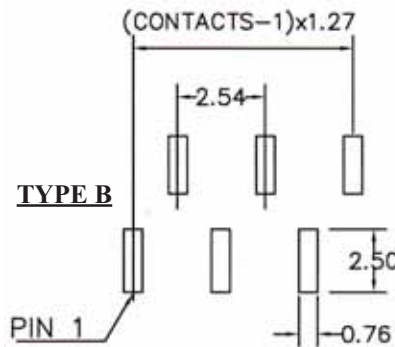
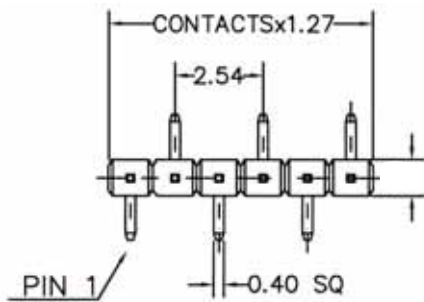
P/N P XXXXXX - XXXX B
YY MM DD 3 4

- EXTERIOR CODE:
"32D6" PROFILE H=1.0mm L=3.4mm
"62D1" PROFILE H=1.7mm L=3.0mm
- DIMENSION A/B/C (UNIT: mm)
- NO. OF CONTACTS:
004 through 100
- CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

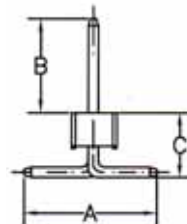
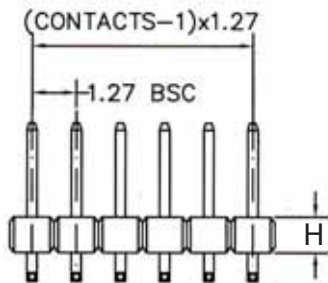
1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM - 1.70MM



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:

STANDARD TYPE: PROFILE H=1.0mm L=2.1mm

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

1. CONNECTOR TYPE:

"A21" A/B/C= 5.5/3.0/1.7mm, TYPE A

"A22" A/B/C= 5.5/3.0/1.7mm, TYPE B

"A23" A/B/C= 6.5/6.0/1.7mm, TYPE A

"A24" A/B/C= 6.5/6.0/1.7mm, TYPE B

2. NO. OF CONTACTS:

002 through 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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 0 $\frac{xxxx}{1} - \frac{A/B/C}{2} - \frac{xxx}{3} \frac{x}{4} \frac{B}{5} - \frac{xx}{6}$

THEN WE WILL GIVE YOU:

Part N.: P $\frac{xx}{YY} \frac{xx}{MM} \frac{xx}{DD} x - \frac{xxx}{3} \frac{x}{4} \frac{B}{4}$

1. EXTERIOR CODE:

"41M1" PROFILE H=1.0mm L=2.1mm

"51M1" PROFILE H=1.7mm L=2.5mm

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

3. NO. OF CONTACTS:

002 through 050

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PCB LAYOUT TYPE : "A" - "B"

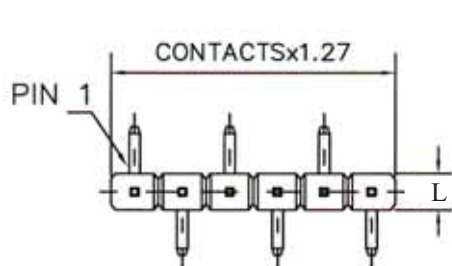
6. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

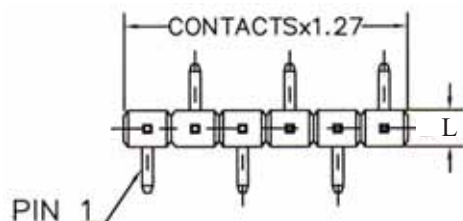
"Q" WITH PAD IN TAPE & REEL

1.27MM 0.40MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=1.00MM - 1.70MM



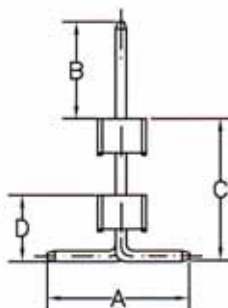
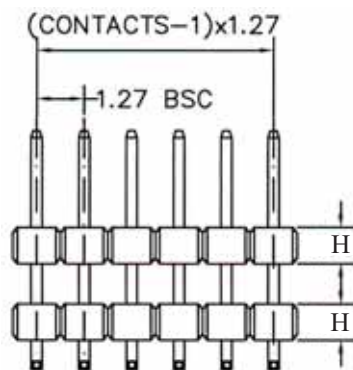
TYPE A

Recommended P.C.Board Layout



TYPE B

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:

STANDARD TYPE: PROFILE H=1.0mm L=2.1mm

P/N 1 2 $\frac{A}{1} \frac{X}{2} \frac{X}{3} \frac{X}{4} - \frac{X}{2} \frac{X}{3} \frac{X}{4} \frac{B}{3} - \frac{X}{4} \frac{X}{6}$

1. TERMINAL CODE:

"A49" A/B/C/D= 5.5/3.0/2.6/1.7, TYPE A
"A50" A/B/C/D= 5.5/3.0/3.6/1.7, TYPE A
"A51" A/B/C/D= 5.5/3.0/9.8/2.3, TYPE A
"A52" A/B/C/D= 5.5/3.0/10.4/2.3, TYPE A
"A53" A/B/C/D= 5.5/3.0/2.6/1.7, TYPE B
"A54" A/B/C/D= 5.5/3.0/3.6/1.7, TYPE B
"A55" A/B/C/D= 5.5/3.0/9.8/2.3, TYPE B
"A56" A/B/C/D= 5.5/3.0/10.4/2.3, TYPE B

2. NO. OF CONTACTS: 002 through 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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 10 $\frac{XXXX}{1} - \frac{A/B/C/D}{2} - \frac{XXX}{3} \frac{X}{4} \frac{B}{5} - \frac{X}{6} \frac{X}{6}$

THEN WE WILL GIVE YOU:

Part N.: P $\frac{XX}{YY} \frac{XX}{MM} \frac{XX}{DD} \frac{X}{3} - \frac{X}{3} \frac{X}{4} \frac{B}{4}$

1. EXTERIOR CODE:

"51M4" PROFILE H=1.7mm L=2.5mm

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

3. NO. OF CONTACTS: 002 through 050

4. CONTACT FINISH:

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

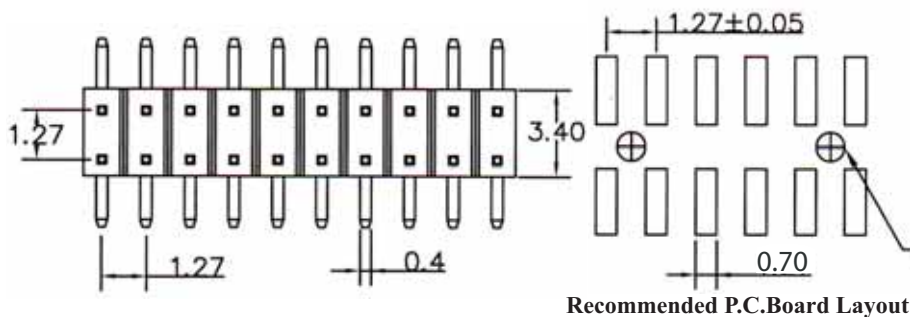
5. PCB LAYOUT TYPE :

"A" - "B"

6. PAD & PACKAGE OPTION:

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

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT YYPE 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:

P/N 1 2 7 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

1. CONNECTOR TYPE:

- "UA" A/B/C= 5.5/3.0/1.7 W/O LOCATING PEG
- "UB" A/B/C= 6.5/6.0/2.7 W/O LOCATING PEG
- "UC" A/B/C= 6.5/6.0/2.3 W/O LOCATING PEG
- "UK" A/B/C= 5.5/3.0/1.7 WITH LOCATING PEG
- "UL" A/B/C= 6.5/6.0/2.7 WITH LOCATING PEG
- "LM" A/B/C= 6.5/6.0/2.3 WITH LOCATING PEG

2. NO. OF CONTACTS:

004 through 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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 3 3 $\frac{XXX}{1} - \frac{A/B/C}{2} - \frac{XXX}{3} \frac{X}{4} B - \frac{X}{5}$

THEN WE WILL GIVE YOU:

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

1. EXTERIOR CODE:

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

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

3. NO. OF CONTACTS:

004 through 100

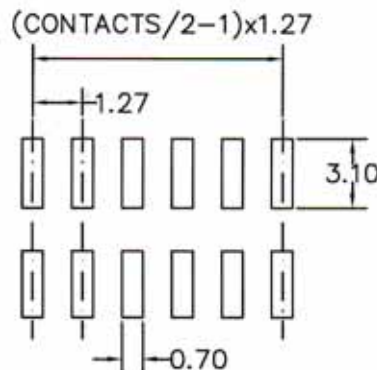
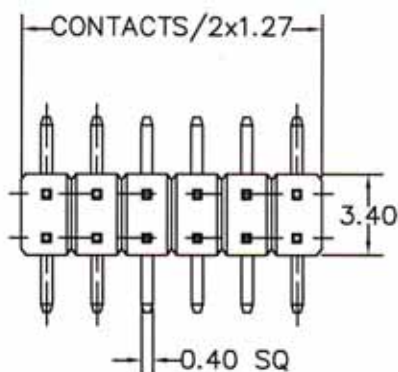
4. CONTACT FINISH:

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

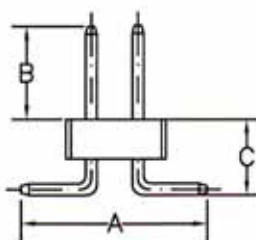
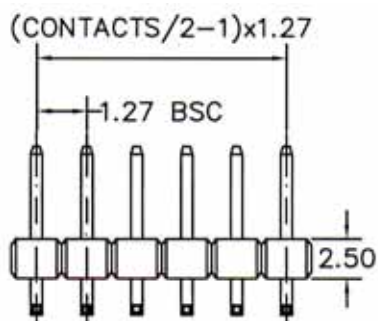
5. PAD & PACKAGE OPTION:

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

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 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B - \frac{X}{4}$

- 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
- NO. OF CONTACTS:
004 through 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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 3 8 $\frac{2M1}{1} - \frac{A/B/C}{2} - \frac{XXX}{3} \frac{X}{4} B - \frac{X}{5}$

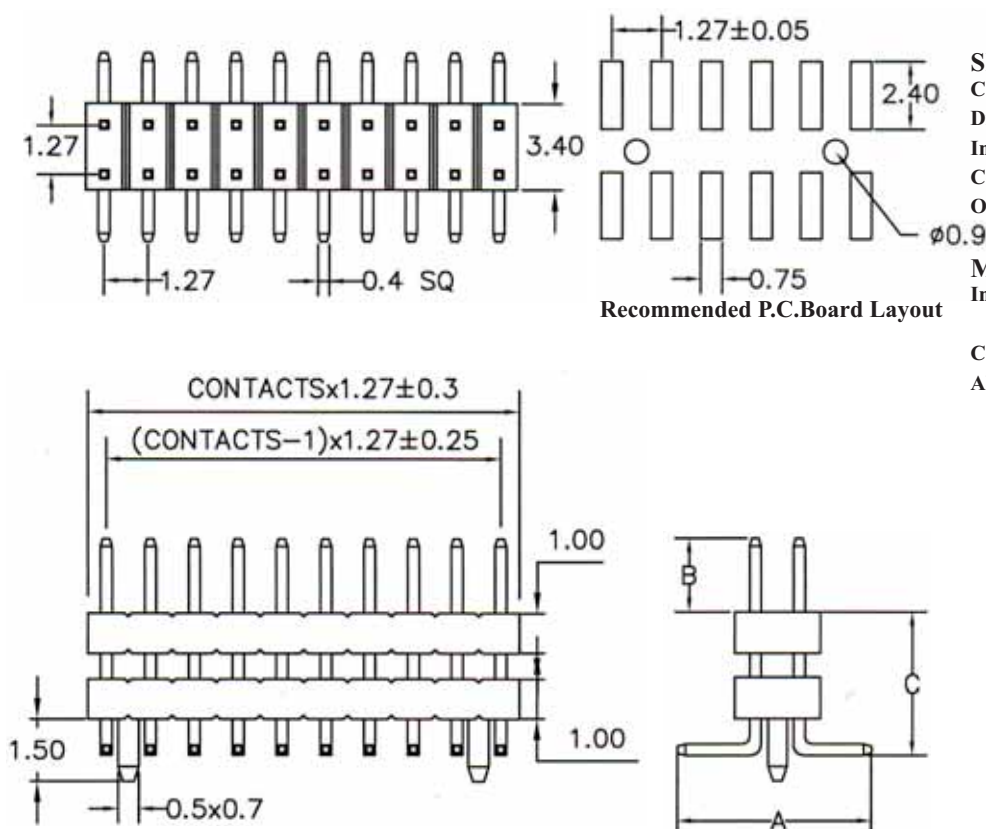
THEN WE WILL GIVE YOU:

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

- EXTERIOR CODE: "2M1" DOUBLE ROW SMT
- DIMENSION A/B/C (UNIT: mm)
- NO. OF CONTACTS:
004 through 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 PIN HEADER DOUBLE ROW SMT YTYPE 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:

P/N 1 2 7 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B - $\frac{X}{4}$

1. CONNECTOR TYPE: W/O LOCATING PEG

"UU" A/B/C= 5.5/3.0/2.6mm
"UV" A/B/C= 5.5/3.0/3.6mm
"UW" A/B/C= 5.5/3.0/9.8mm
"UX" A/B/C= 5.5/3.0/10.4mm

WITH LOCATING PEG

"YG" A/B/C= 5.5/3.0/2.6mm
"YH" A/B/C= 5.5/3.0/3.6mm
"YJ" A/B/C= 5.5/3.0/9.8mm
"YK" A/B/C= 5.5/3.0/10.4mm

2. NO. OF CONTACTS:

004 through 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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 3 3 $\frac{XXX}{1}$ - $\frac{A/B/C}{2}$ - $\frac{XXX}{3}$ $\frac{X}{4}$ B - $\frac{X}{5}$

THEN WE WILL GIVE YOU:

Part N.: P $\frac{XXX}{YY}$ $\frac{XXX}{MM}$ $\frac{XXX}{DD}$ X - $\frac{XXX}{3}$ $\frac{X}{4}$ 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 through 100

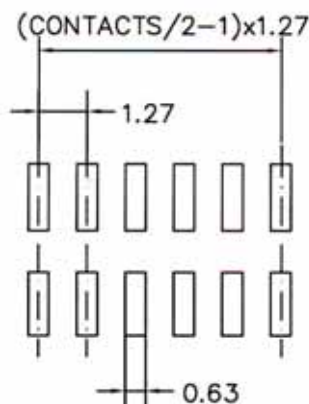
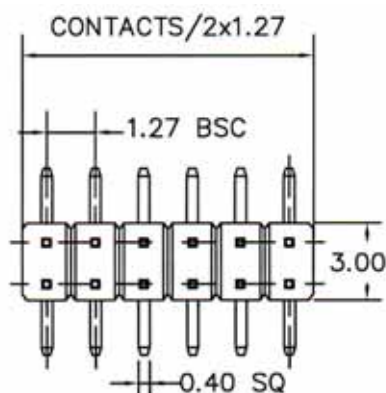
4. CONTACT FINISH:

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

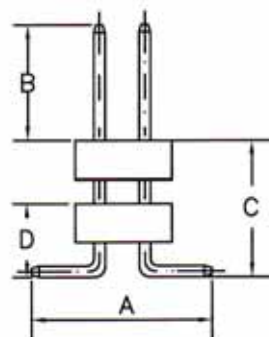
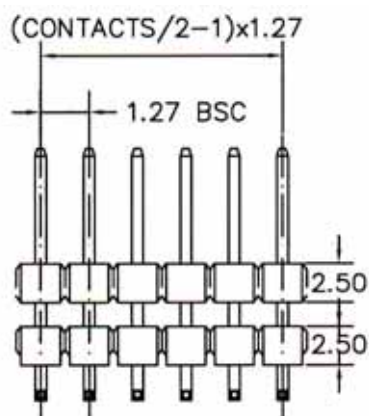
5. PAD & PACKAGE OPTION:

"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 $\frac{xx}{1} - \frac{xxx}{2} \frac{x}{3} B - \frac{x}{4}$

- CONNECTOR TYPE:
"VA" A/B/C/D= 5.5/3.0/2.6/3.8mm
"VB" A/B/C/D= 5.5/3.0/3.6/3.8mm
"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
- NO. OF CONTACTS:
004 through 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

FOR SPECIAL TYPE GIVE US A CODE :

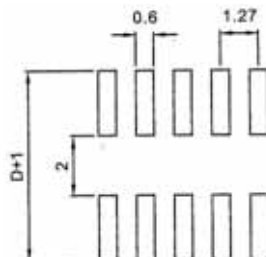
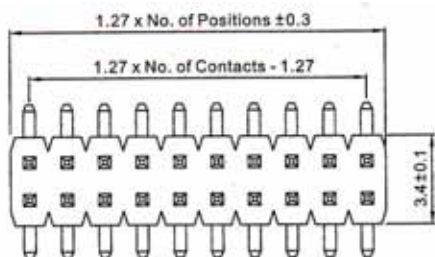
Code: 1 3 8 $\frac{xxx}{1} - \frac{A/B/C}{2} - \frac{xxx}{3} \frac{x}{4} B - \frac{x}{5}$

THEN WE WILL GIVE YOU:

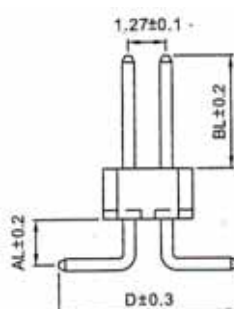
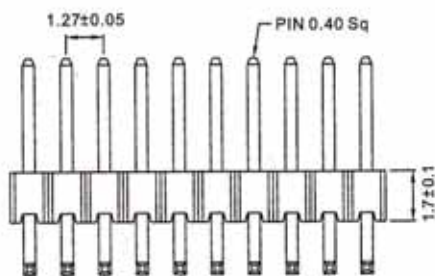
Part N.: P $\frac{xx}{YY} \frac{xx}{MM} \frac{xx}{DD} x - \frac{xxx}{3} \frac{x}{4} B$

- EXTERIOR CODE:
"2T6" W/O LOCATING PEG
- DIMENSION A/B/C (UNIT: mm)
- NO. OF CONTACTS:
004 through 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

1.27MM x 1.27MM PIN HEADER DOUBLE ROW SMT TYPE PROFILE=1.70MM



Recommended P.C.Board Layout



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

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 3 6 2 M 1 - AL/BL/D - x x x x B - x
1 2 3 4 5

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

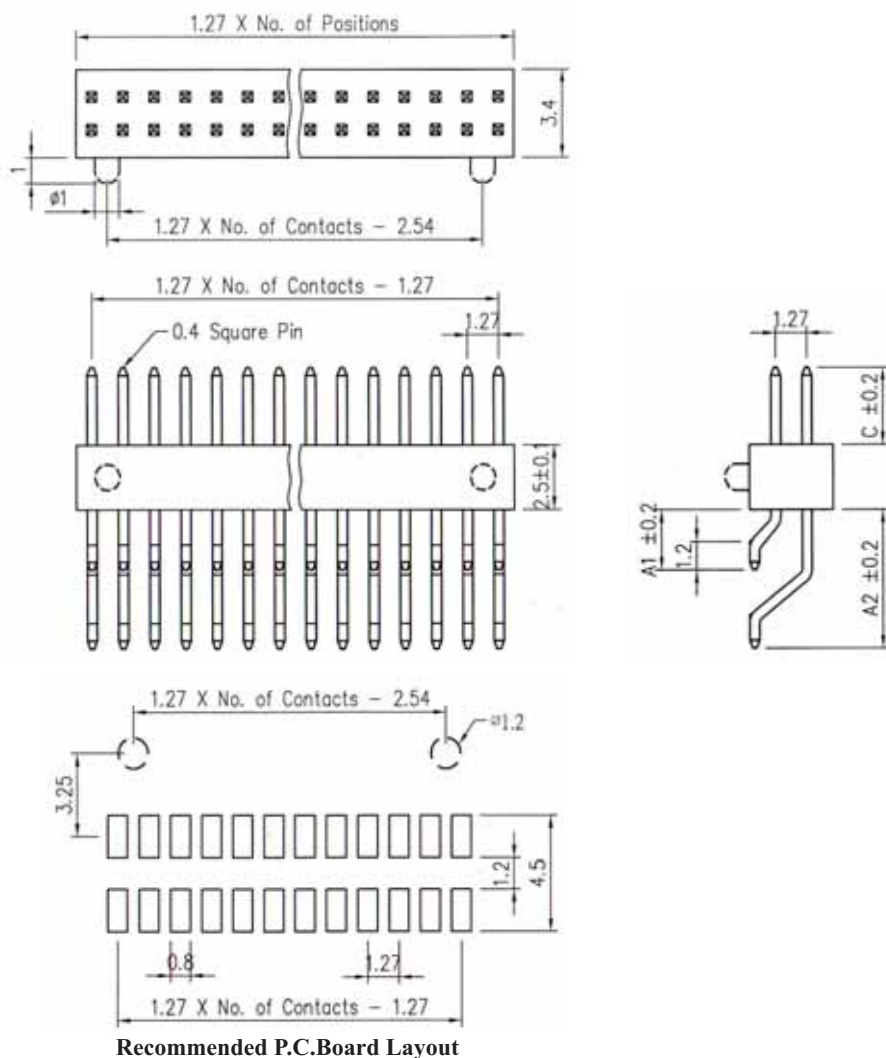
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE
"2M1" DOUBLE ROW SMT TYPE
2. DIMENSION AL/BL/D (UNIT: mm)
3. NO. OF CONTACTS:
006 through 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 RIGHT ANGLE SMT TYPE
PROFILE=2.50MM**



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:

CODE: 1 3 8 $\frac{2}{1}$ J 4 - $\frac{A1/A2/C}{2}$ - $\frac{x x x x}{3}$ $\frac{4}{4}$ B - $\frac{x}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

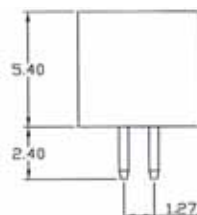
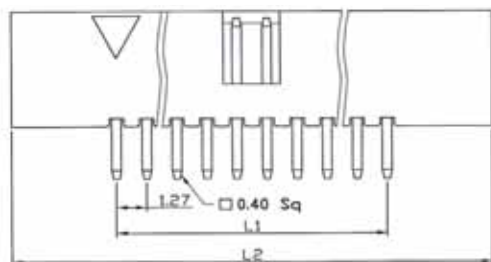
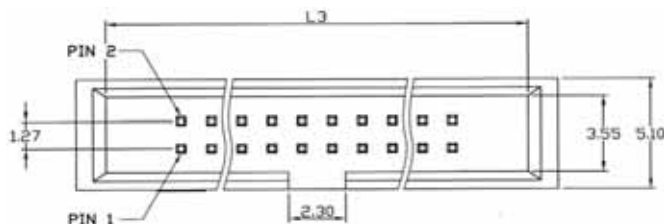
$$\text{P/N } \text{P} \frac{\text{X X}}{\text{Y Y}} \frac{\text{X X}}{\text{M M}} \frac{\text{X X}}{\text{D D}} \text{X} - \frac{\text{X X X}}{3} \frac{\text{X}}{4} \text{B}$$

1. EXTERIOR CODE
"2J4" DOUBLE ROW SMT TYPE
2. DIMENSION A1/A2/C (UNIT: mm)
3. NO. OF CONTACTS:
006 through 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

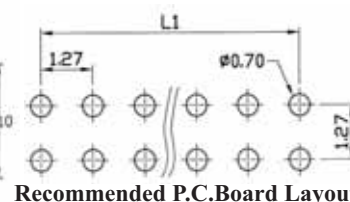
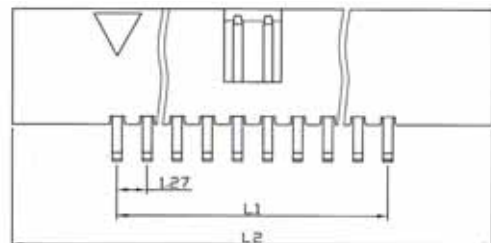
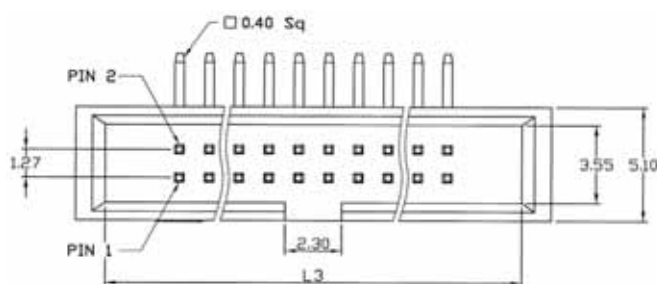
5. PAD & PACKAGE OPTION:
 "T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

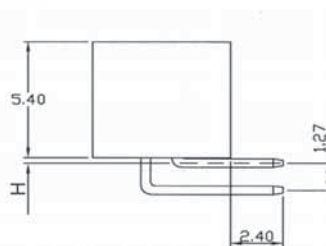
1.27MM x 1.27MM BOX HEADER DIP TYPE



12C47 - 12C56



Recommended P.C.Board Layout



12C48 - 12C57

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:

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

1. EXTERIOR TYPE:

"C47" STRAIGHT TYPE

"C56" STRAIGHT TYPE

"C48" RIGHT ANGLE TYPE H= 0.20mm

"C57" RIGHT ANGLE TYPE H=1.20mm

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

FOR SPECIAL TYPE GIVE US A CODE :

RIGHT ANGLE TYPE ONLY

CODE: 1 4 3 2 R 6 - XX - XXX X B
1 2 3

THEN WE WILL GIVE YOU

P/N P XXXXXX - XXX X B
YY MM DD 2 3

1. DIMENSION H (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.

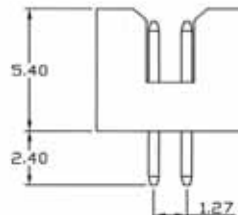
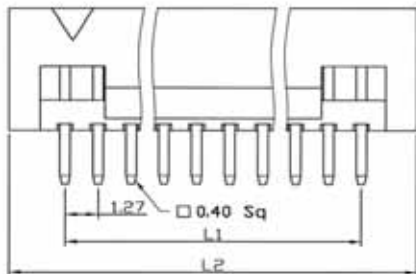
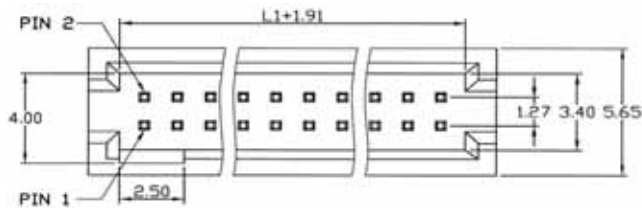
3. CONTACT FINISH:

"G" FULL GOLD PLATED

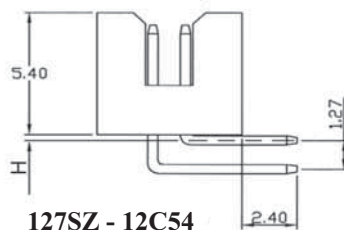
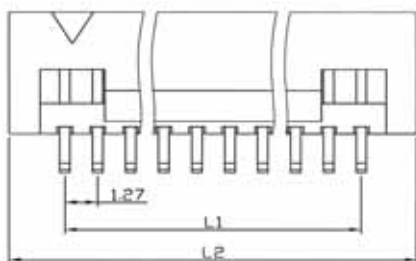
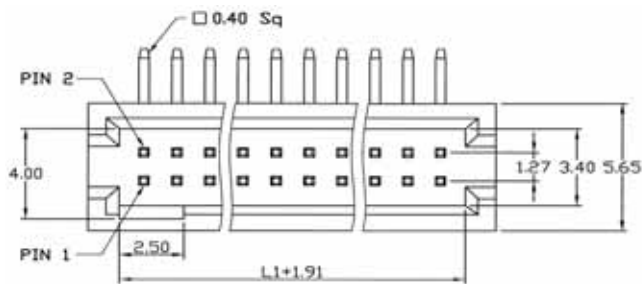
"S" SELECTIVE GOLD PLATED

NOTE: **REVERSE** TYPE WITH OPPOSITE POLARIZATION WINDOWS, PLS USE **1432D6...** AS INITIAL CODE

1.27MM x 1.27MM BOX HEADER DOUBLE WALL DIP TYPE



127QY - 12C53



127SZ - 12C54

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

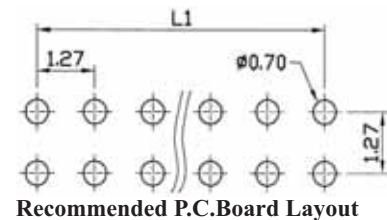
Contacts: Brass

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 XXX - XXX X B
 1 2 3

- CONNECTOR TYPE:
 "7QY" STRAIGHT TYPE
 "7SZ" RIGHT ANGLE TYPE H=0.2mm
- NO. OF CONTACTS:
 006 through 100
- CONTACT FINISH:
 "G" FULL GOLD PLATED

FOR SPECIAL TYPE GIVE US A CODE :

RIGHT ANGLE TYPE ONLY

CODE: 1 4 2 2 R 6 - XX - XXX X B
 1 2 3

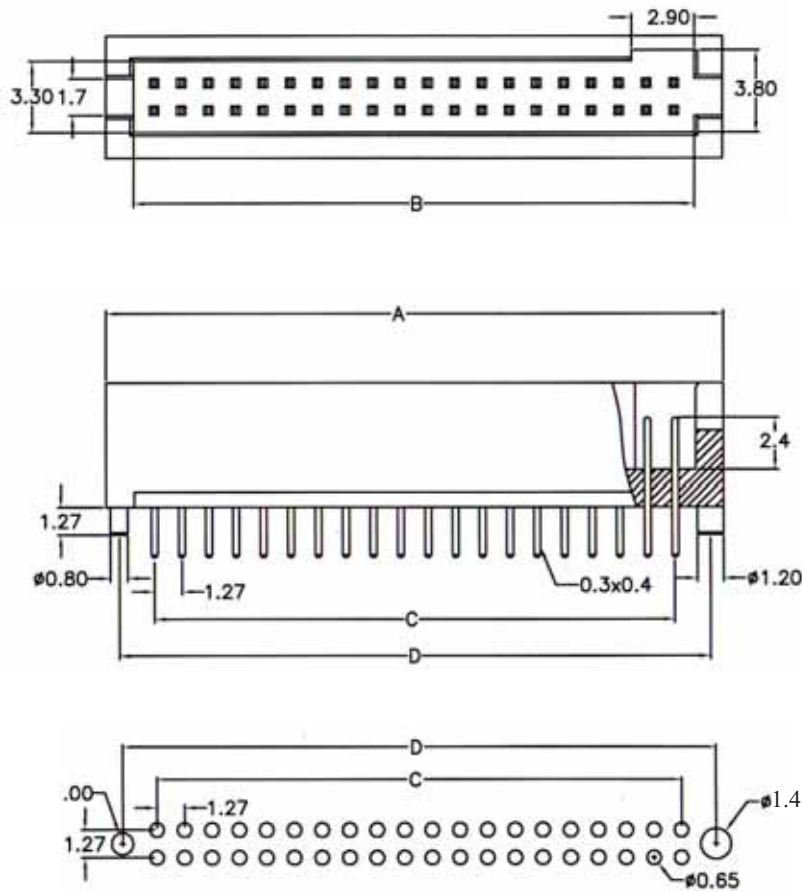
THEN WE WILL GIVE YOU

P/N P XX XX XX XX - XXX X B
 YY MM DD 2 3

- DIMENSION H (UNIT: mm)
- NO. OF CONTACTS:
 006 through 100
- CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED

NOTE: **REVERSE** TYPE WITH OPPOSITE
 POLARIZATION WINDOWS,
 PLS USE **1422D6...** AS INITIAL CODE

1.27MM x 1.27MM BOX HEADER DOUBLE WALL STRAIGHT TYPE



Recommended P.C.Board Layout

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

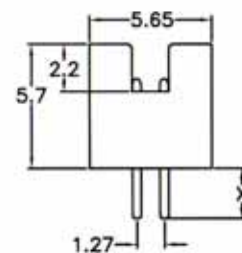
MATERIALS

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 through 100

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

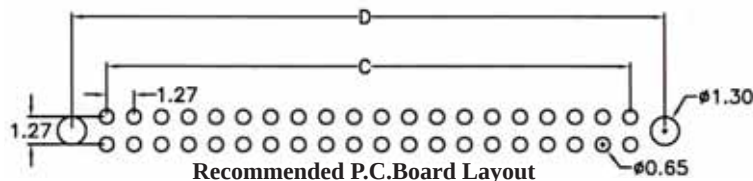
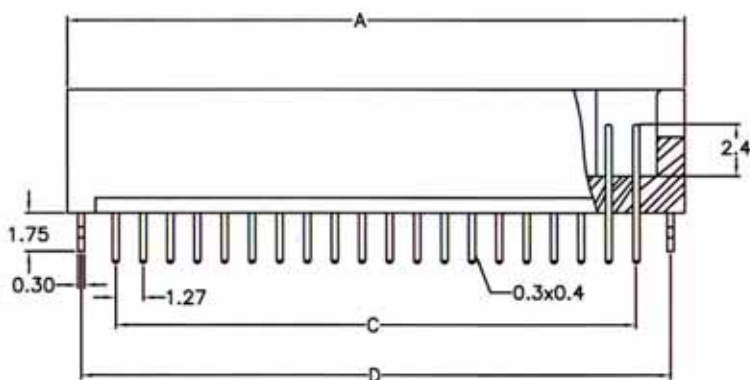
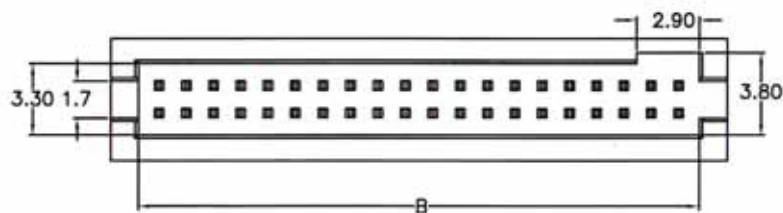
"G" FULL GOLD PLATED

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 M Ω min.

Contact Resistance: 20m Ω Max.

Operating Temperature: -65°C to +125°C

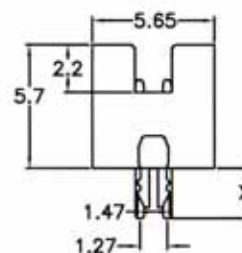
MATERIALS

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. 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 through 100

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

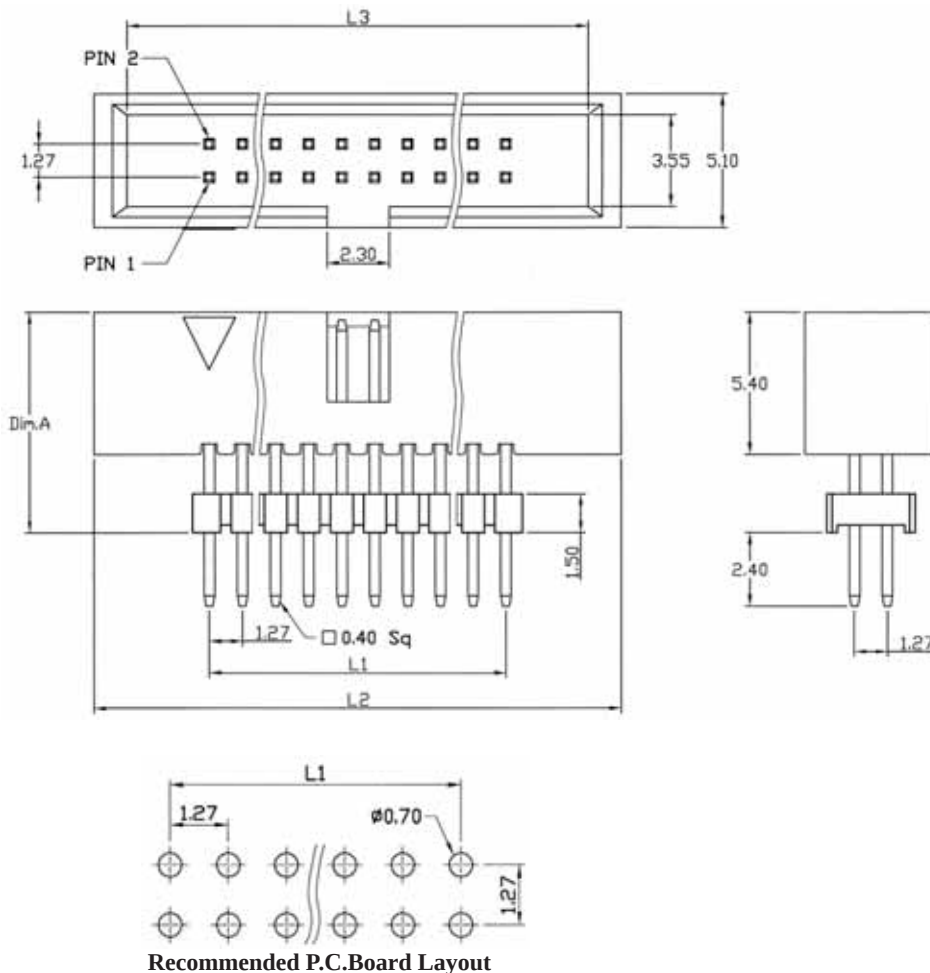
"G" FULL GOLD PLATED

4. PACKAGE OPTION:

"T" W/O PAD IN TUBE

"R" W/O PAD IN TAPE & REEL

1.27MM x 1.27MM ELEVATED BOX HEADER 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: 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:

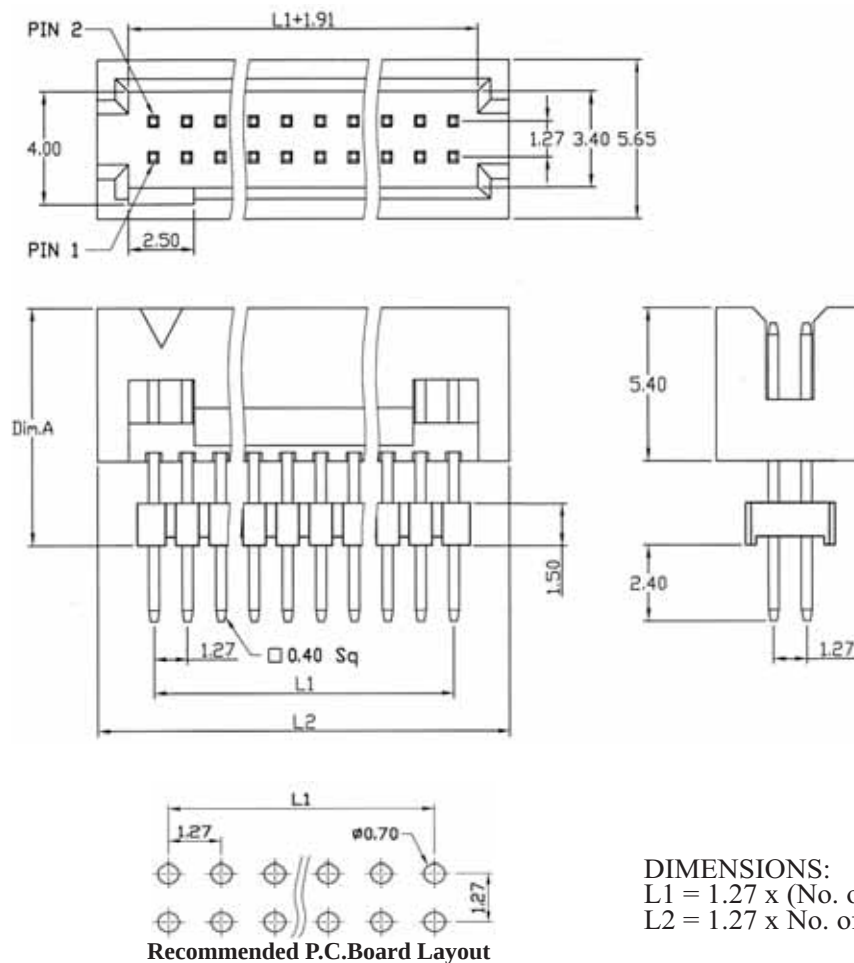
CODE: 1 4 3 2 S 3 - $\frac{A}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B

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:

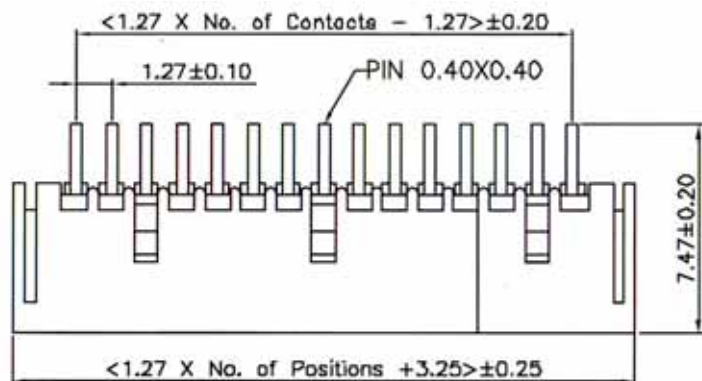
CODE: 1 4 2 2 S 3 - $\frac{A}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B

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 through 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED

1.27MM x 1.27MM BOX HEADER DOUBLE WALL RIGHT ANGLE 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

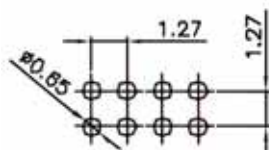
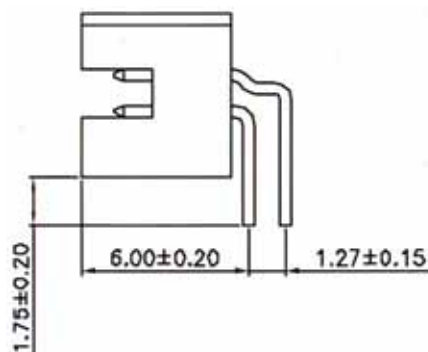
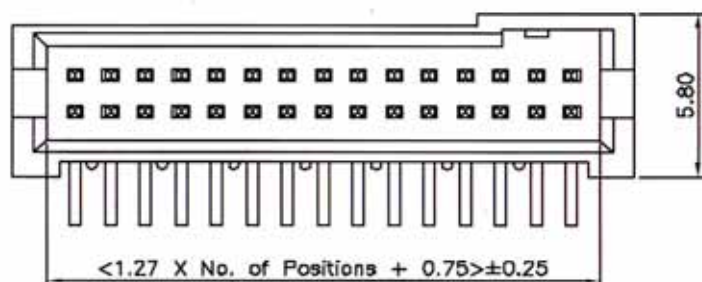
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 7 G Q - $\frac{x x x}{1} \frac{x}{2}$ B

1. NO. OF CONTACTS:

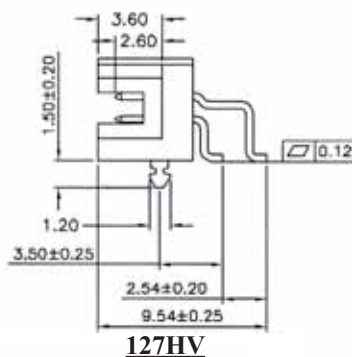
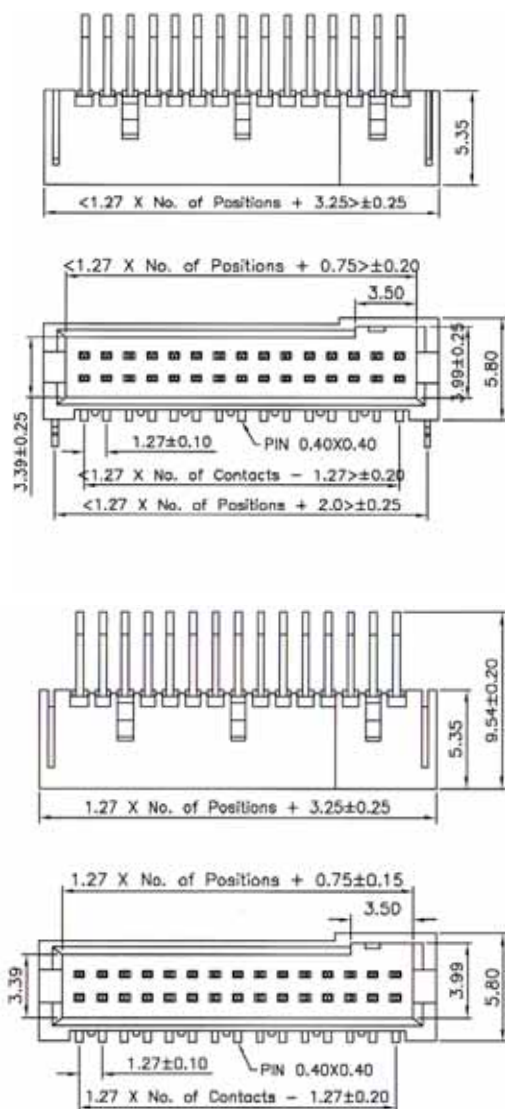
010, 016, 020, 030, 040, 044, 048, 060

2. CONTACT FINISH:

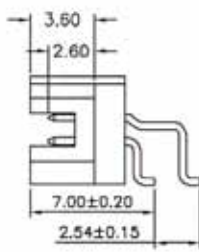
"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

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

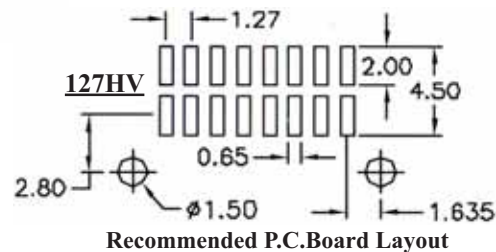
MATERIALS

Insulator: Polyester, UL94V-0

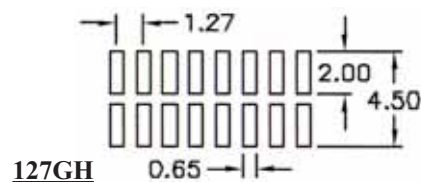
Nylon-6T

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 XX - XX S B

1. CONNECTOR TYPE & LOCKING CLIP:

"HV" WITH LOCKING CLIP

"GH" WITHOUT LOCKING CLIP

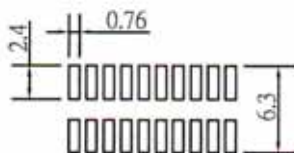
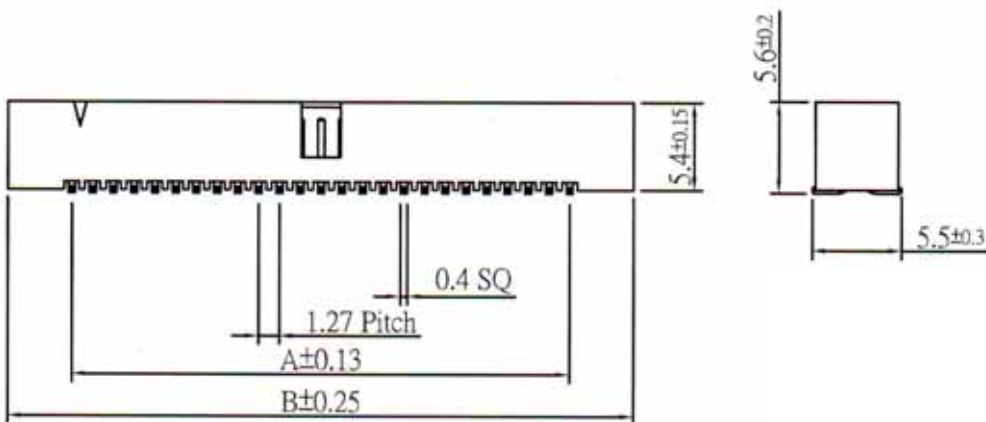
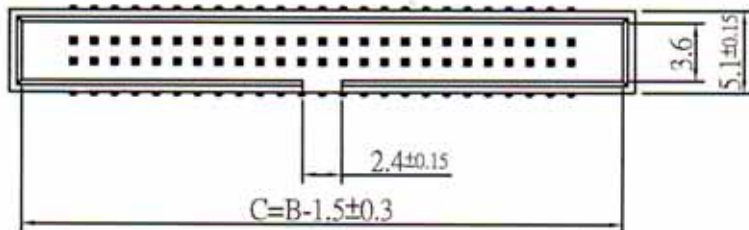
2. NO. OF CONTACTS:

010, 016, 020, 030, 040, 044, 048, 060

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

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

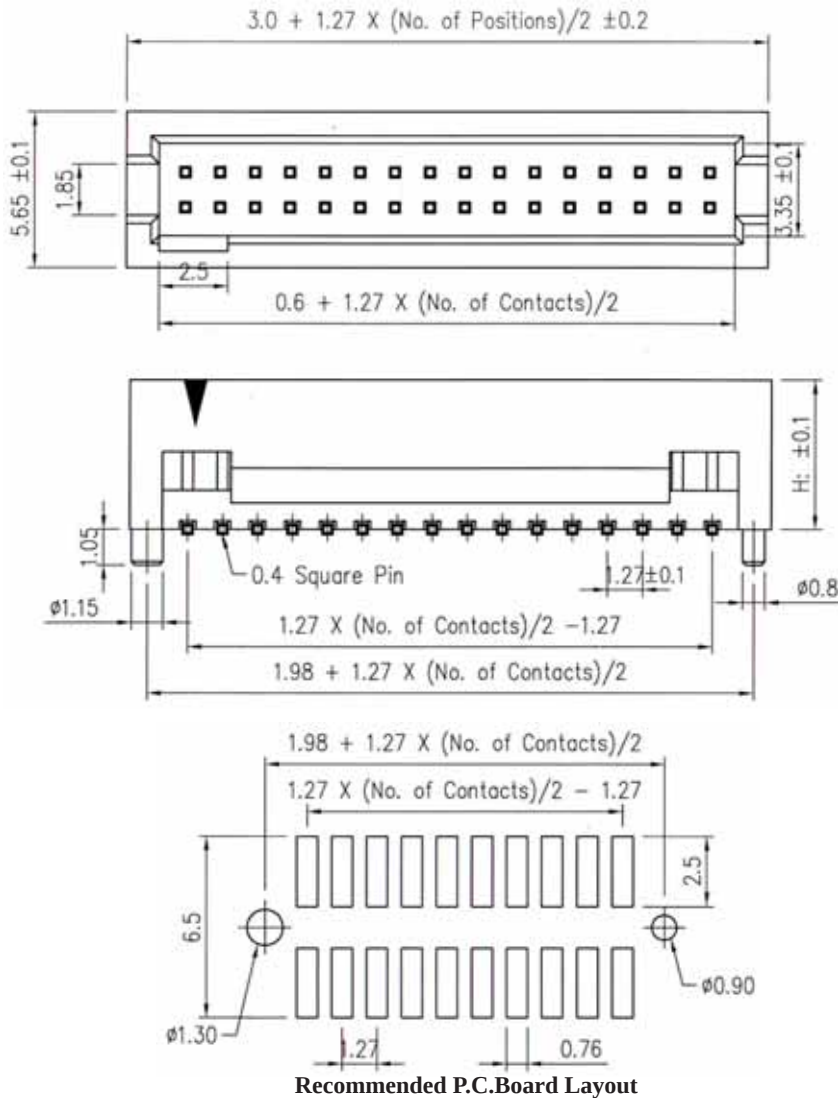
2. CONTACT FINISH:

"G" FULL GOLD PLATED

3. PACKAGE OPTION:

"T" W/O PAD IN TUBE

1.27MM x 1.27MM BOX HEADER DOUBLE WALL SMT TYPE



SPECIFICATIONS

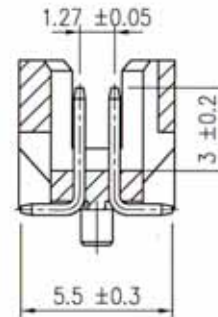
Current Rating: 1.0 Amp
 Dielectric Withstand: 500V AC
 Insulator Resistance: 1000 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Polyester, UL94V-0
 Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 7 $\frac{x}{1} \frac{x}{2} - \frac{x}{3} \frac{x}{4} B - \frac{x}{4}$

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 through 100

3. CONTACT FINISH:

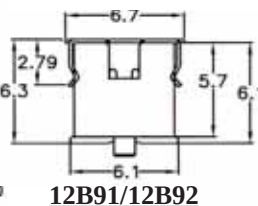
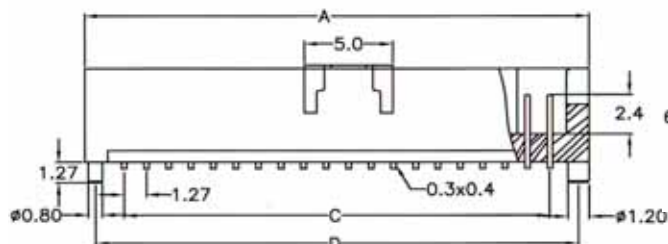
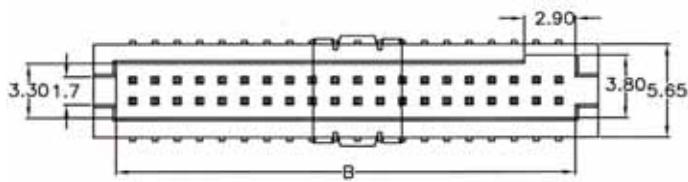
"G" FULL GOLD PLATED

4. PAD & PACKAGE OPTION:

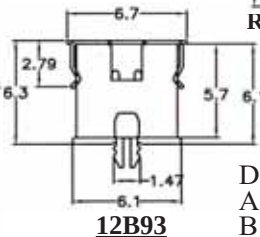
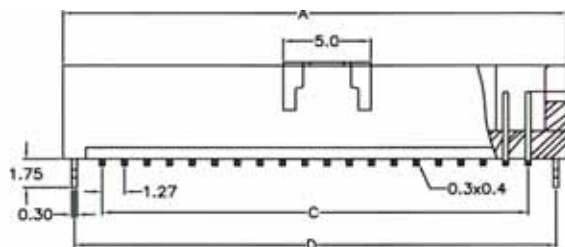
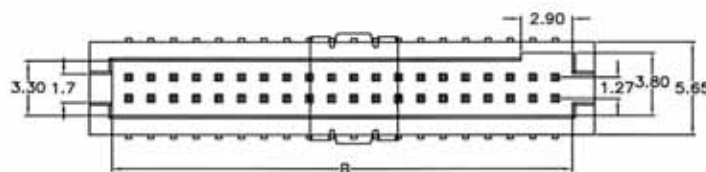
"T" W/O PAD IN TUBE
 "P" WITH PAD IN TUBE
 "Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

1.27MM x 1.27MM 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

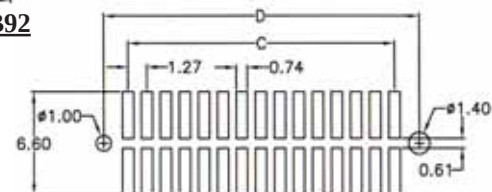
MATERIALS

Insulator: Thermoplastic, UL94V-0

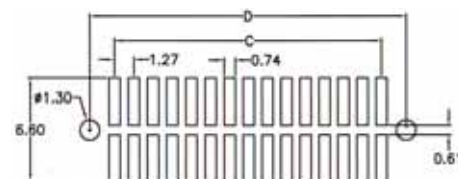
Nylon-6T

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 through 100

3. CONTACT FINISH:

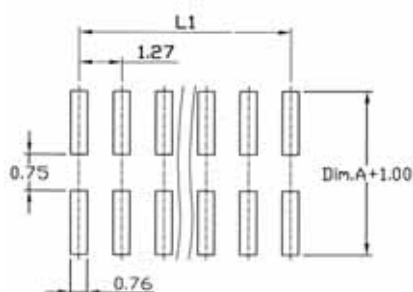
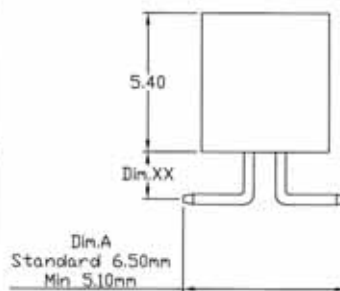
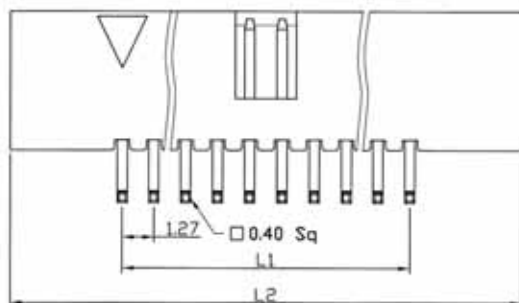
"S" SELECTIVE GOLD PLATED (STANDARD)
"G" FULL GOLD PLATED

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

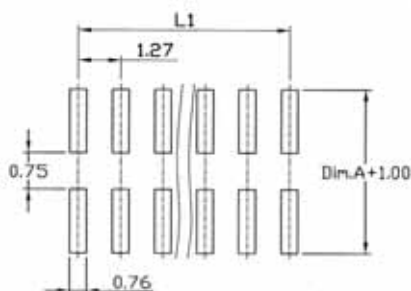
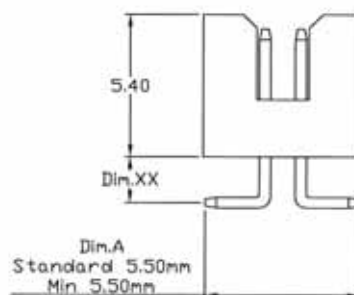
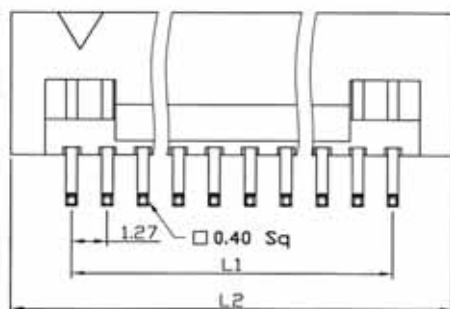
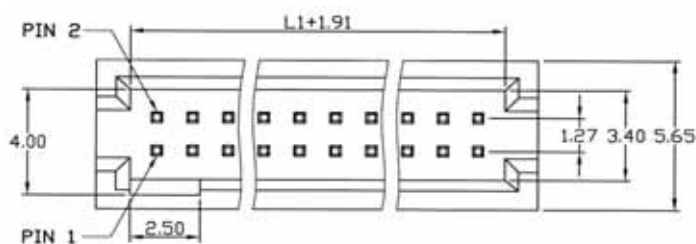
Technical drawing of the 16-pin connector showing dimensions: 1.3, 1.27, 2.30, 3.55, 5.10, PIN 1, PIN 2.



No. of Contacts	Dimensions(mm)		
	L1	L2	L3
06	2.54	10.11	8.56
10	5.08	12.65	11.18
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

153

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 $\frac{2T1}{1}$ - $\frac{XX}{2}$ - $\frac{xxx}{3}$ $\frac{x}{4}$ B - $\frac{x}{5}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

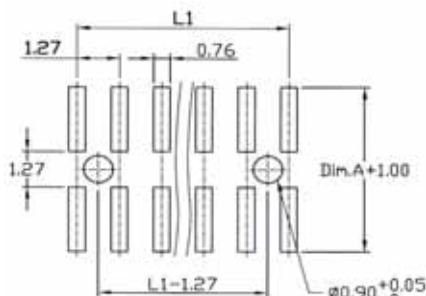
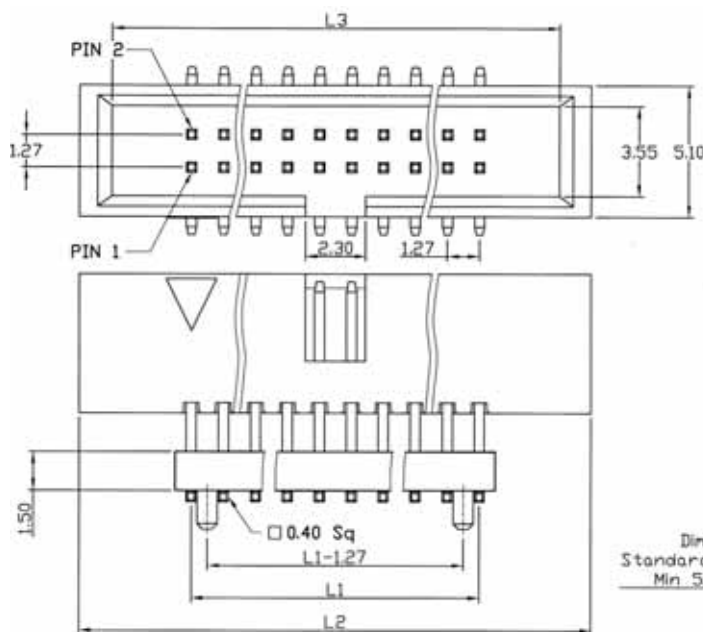
P/N P $\frac{XX}{YY} \frac{XX}{MM} \frac{XX}{DD} X - \frac{XXX}{3} \frac{X}{4}$ B

1. EXTERIOR CODE:
"2T1" DIM. A= 5.50mm
2. DIMENSION XX (UNIT: mm)
3. NO. OF CONTACTS:
010 through 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 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

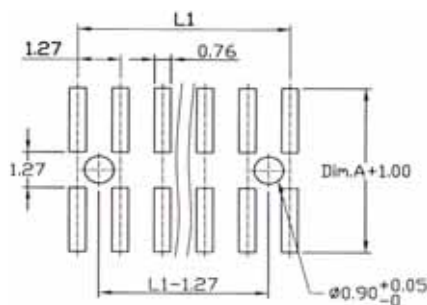
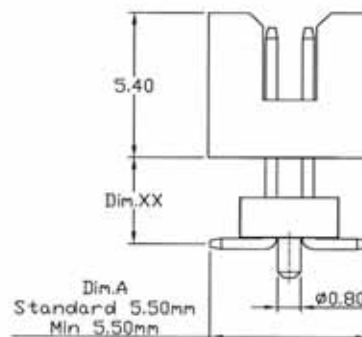
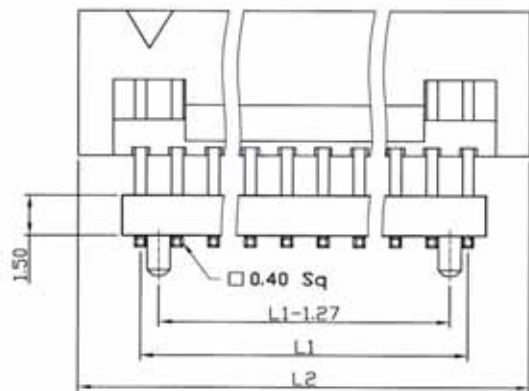
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

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

Insulator: Thermoplastic, UL94V-0
Nylon-6T or LCP
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

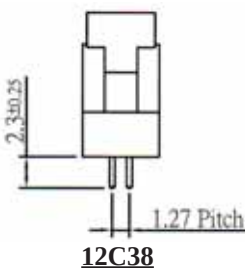
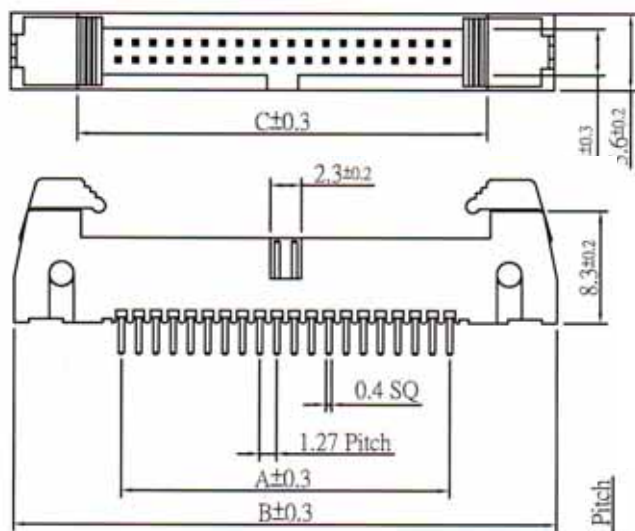
CODE: 1 4 2 $\frac{2T5}{1}$ - $\frac{XX}{2}$ - $\frac{xxx}{3}$ $\frac{x}{4}$ B - $\frac{x}{5}$

$$\mathbf{P/N} \quad \mathbf{P} \frac{\mathbf{x\ x\ x\ x\ x\ x}}{\mathbf{y\ y\ m\ m\ d\ d}} - \frac{\mathbf{x\ x\ x\ x}}{3} \frac{\mathbf{x}}{4} \mathbf{B}$$

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

ELITALIA S.r.l.

1.27MM x 1.27MM SHROUDED HEADER DIP 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 x x - x x x x B
1 2 3

1. TERMINAL TYPE:

"C38" STRAIGHT TYPE

"C39" RIGHT ANGLE TYPE

2. NO. OF CONTACTS:

006, 010, 012, 014, 016, 020, 026, 030,

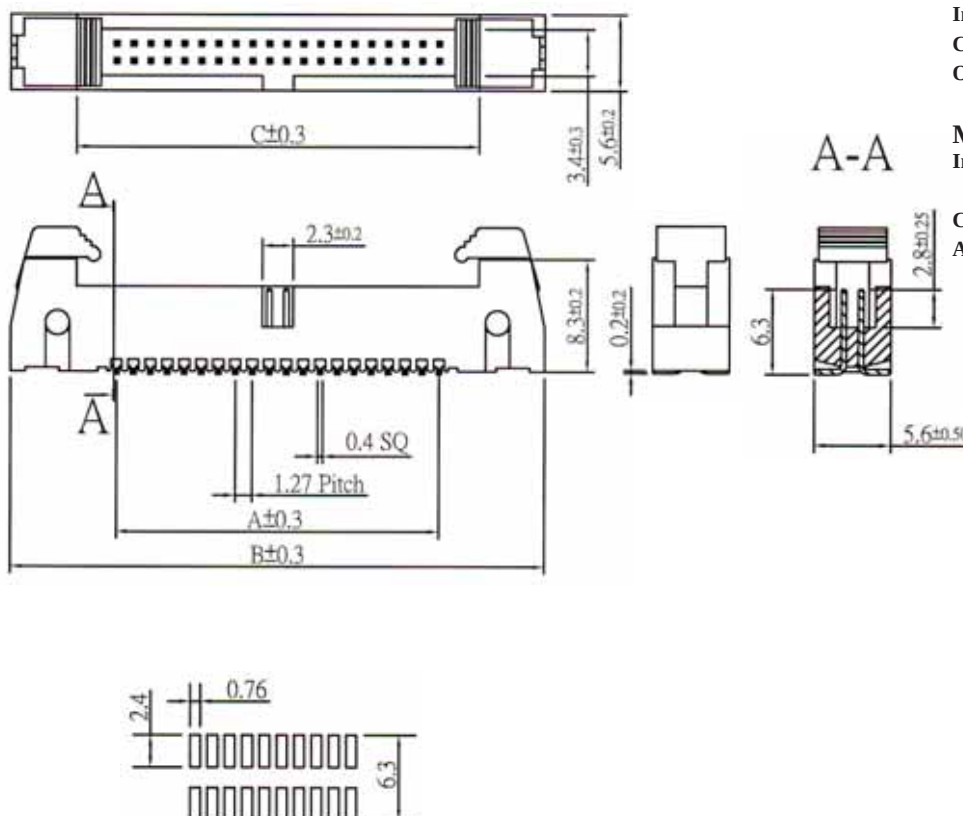
034, 040, 044, 050, 060, 064, 066, 068,

080, 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM 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:

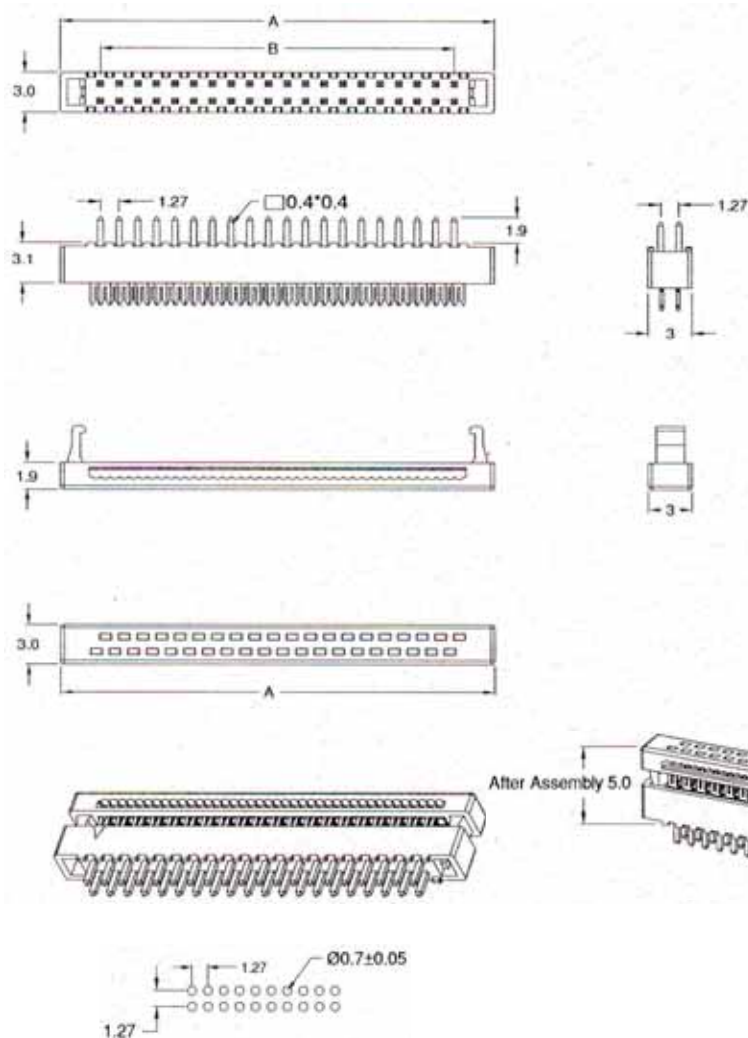
"G" FULL GOLD PLATED

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



Recommended P.C.Board Layout

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 D 0 9 - x x x x B
1 2 3

1. TERMINATED HEIGHT:

"D09" H= 5.00mm AFTER ASSEMBLY

2. NO. OF CONTACTS:

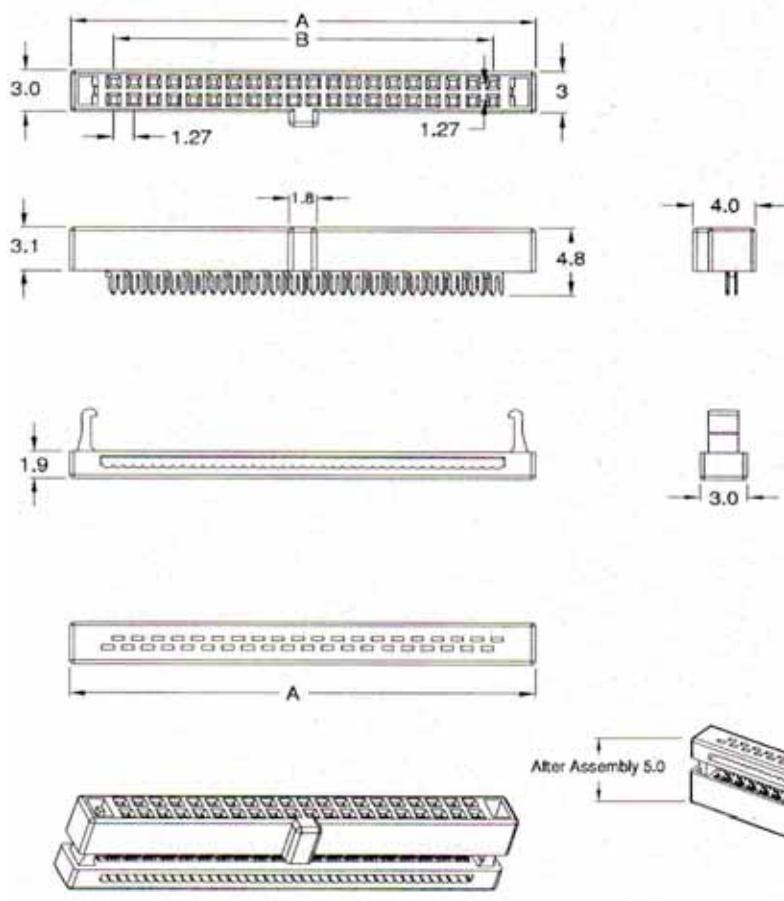
006, 008, 010, 012, 014, 016, 020, 022,
026, 030, 034, 040, 044, 050, 060, 068
080

3. CONTACT FINISH:

"T" FULL TIN PLATED (STANDARD)

"S" SELECTIVE GOLD PLATED (OPTIONAL)

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 D 0 8 - x x x G B
 1 2 3

1. TERMINATED HEIGHT:

"D08" H= 5.00mm AFTER ASSEMBLY

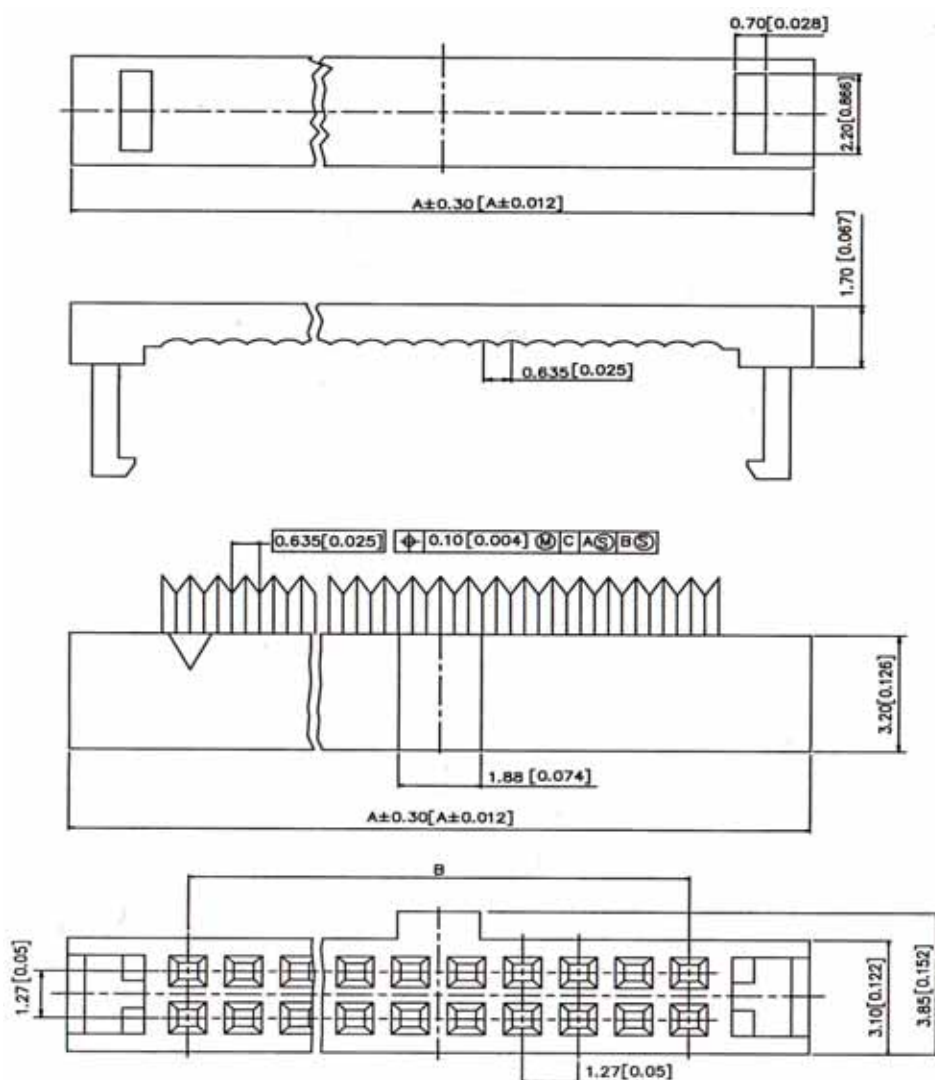
2. NO. OF CONTACTS:

006, 008, 010, 012, 014, 016, 020, 022,
026, 030, 034, 040, 044, 050, 060, 068,
080

3. CONTACT FINISH:

"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 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{G}{B} - \frac{T}{3}$

1. NO. OF CONTACTS:

010, 012, 014, 020, 026, 030, 040, 050

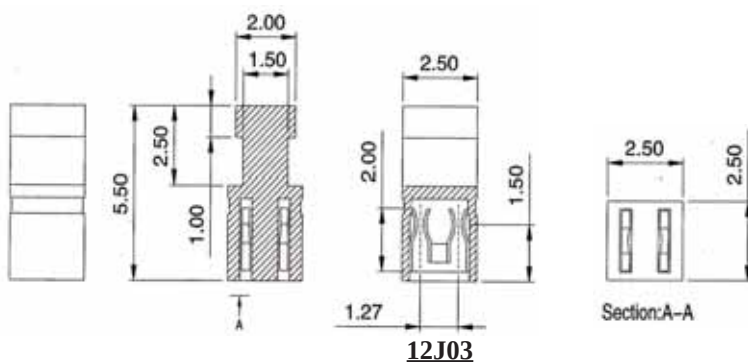
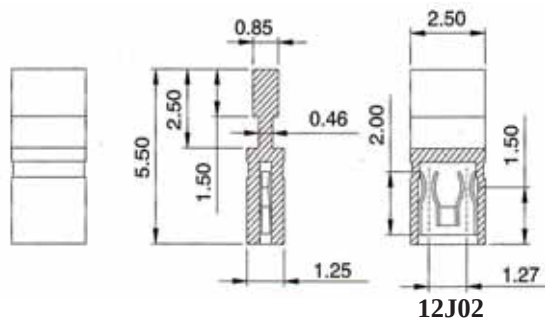
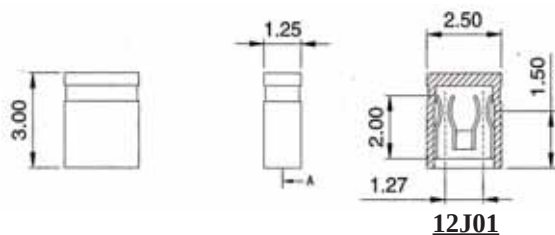
2. CONTACT FINISH:

"G" FULL GOLD PLATED

3. PACKAGE TYPE:

"T" W/O PAD IN TUBE

1.27MM(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 $\frac{J \times \times}{1}$ - $\frac{\times \times \times}{2}$ $\frac{G \times}{3 \ 4}$

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

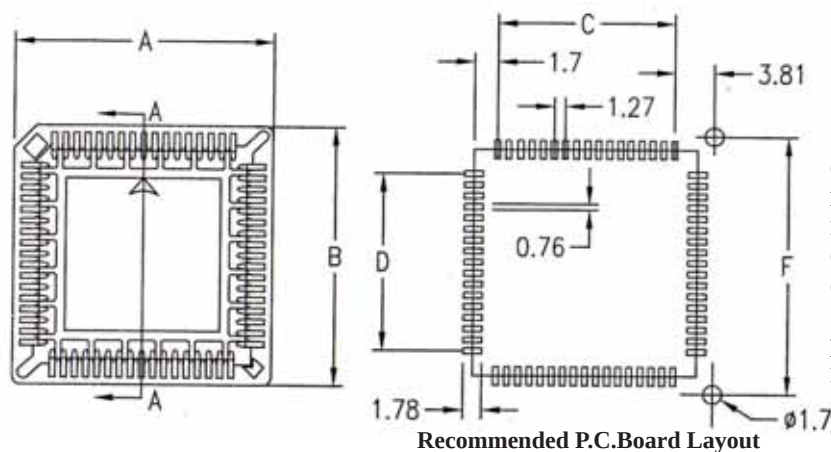
"U" BLUE

"W" WHITE

"A" GRAY

"Y" YELLOW

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.

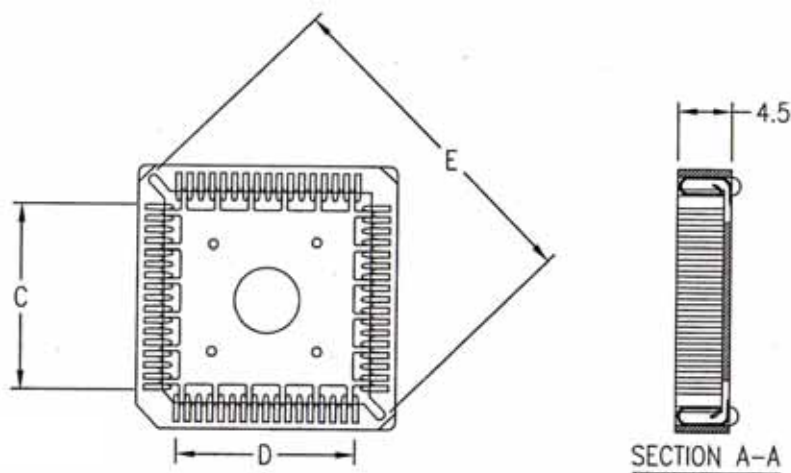
Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
PPS

Contacts: Copper Alloy

All materials must be RoHS compliant.



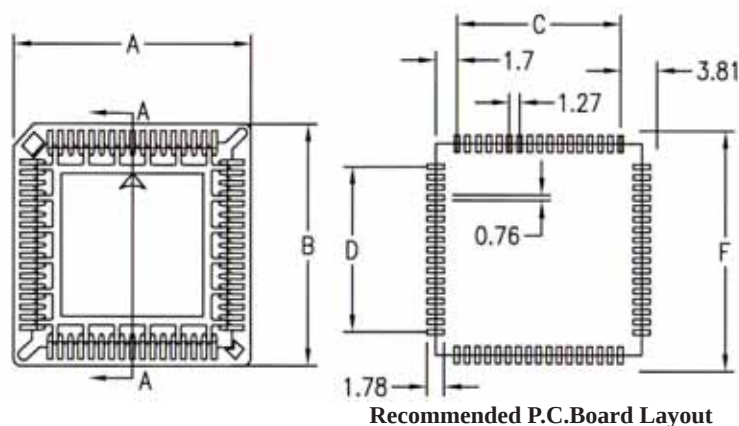
No. of Contacts	Dimensions(mm)					
	A±0.2	B±0.2	C±0.2	D±0.2	E±0.2	F±0.2
20	15.24	15.24	5.08	5.08	16.70	12.70
28	17.78	17.78	7.62	7.62	20.30	15.24
32	17.78	20.32	7.62	10.16	22.50	17.78
44	22.86	22.86	12.70	12.70	27.50	20.32
52	25.40	25.40	15.24	15.24	31.10	22.86
68	30.82	30.82	20.32	20.32	38.30	27.94
84	35.90	35.90	25.40	25.40	45.50	33.02

ORDERING INFORMATION:

P/N 1 2 7 C A - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{T}{2} \frac{C}{3}$

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

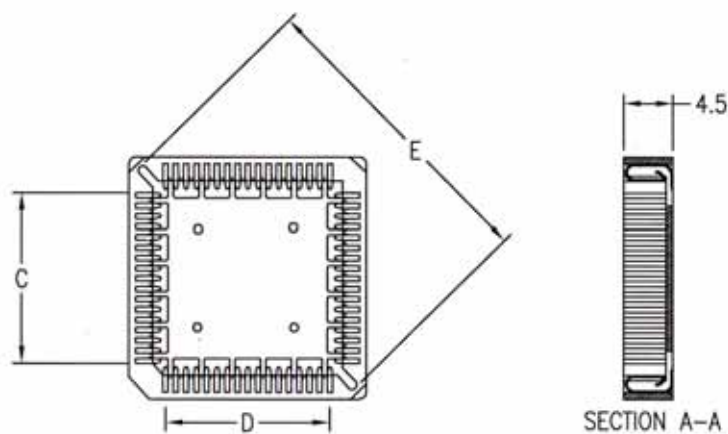


SPECIFICATIONS

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

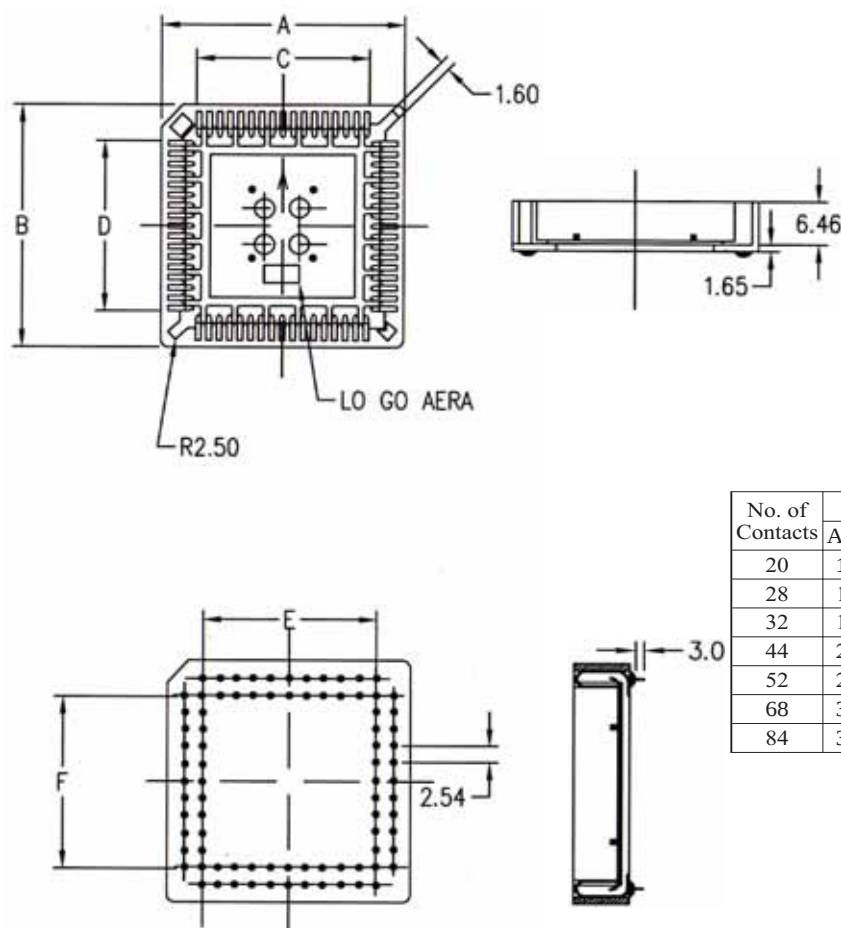
ORDERING INFORMATION:

P/N 1 2 7 x x - x x x x - x
 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 - $\frac{x x x x}{1 \quad 2}$ B

1. NO. OF CONTACTS:

020, 028, 032, 044, 052, 068, 084

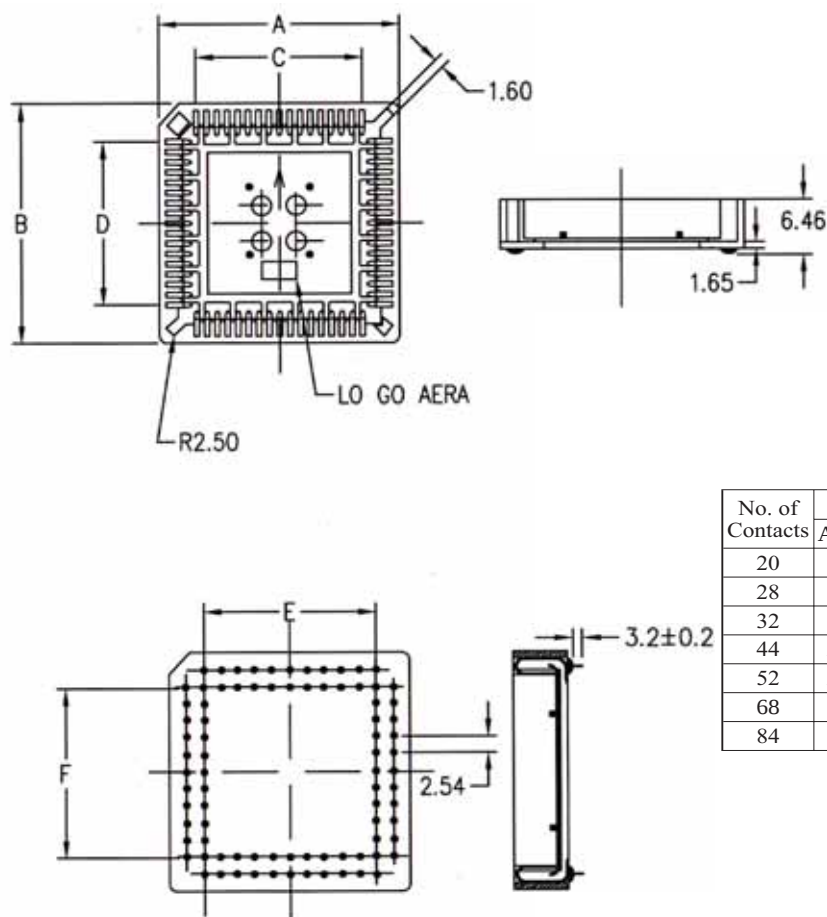
2. CONTACT FINISH:

"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 - $\frac{x x x x}{1} \frac{x}{2}$ C

1. NO. OF CONTACTS:

020, 028, 032, 044, 052, 068, 084

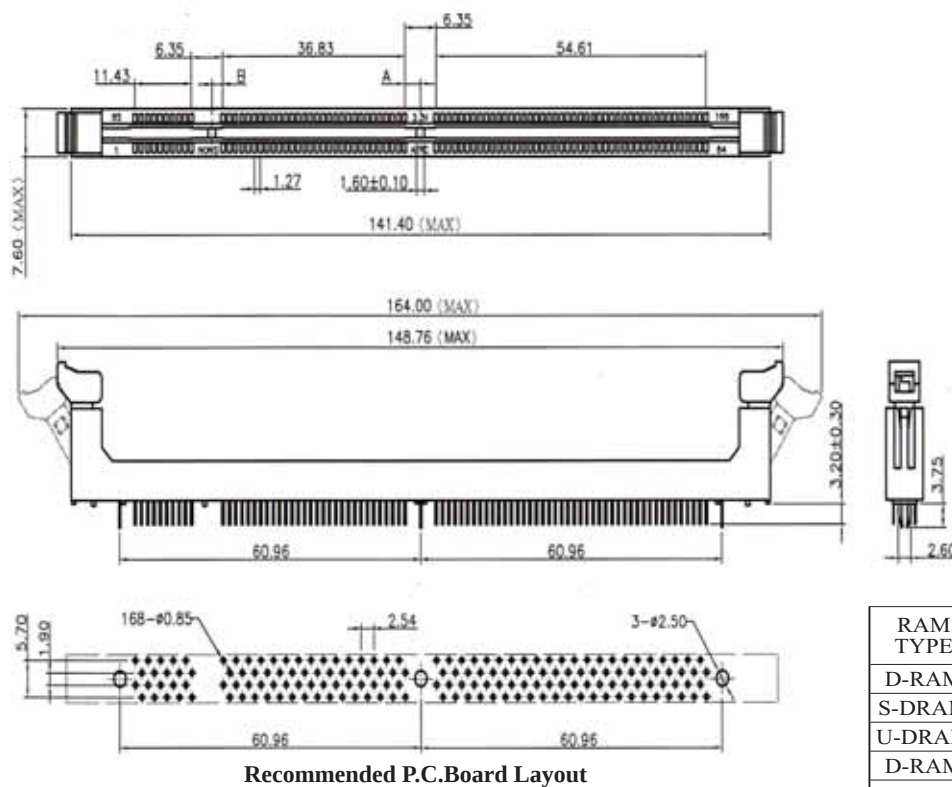
2. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM DIMM SOCKET 168 PIN 3.3V/U-DRAM STRAIGHT TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 500V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 30mΩ Max.
Operating Temperature: -25°C to + 105°C

MATERIALS

Insulator: UL94V-0
 Nylon-6T or LCP
Contacts: Copper Alloy
 All materials must be RoHS compliant.

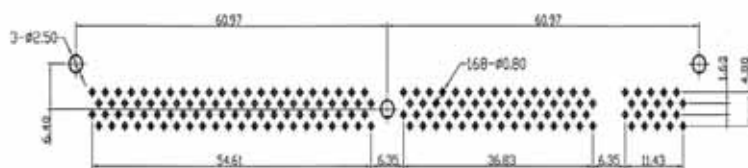
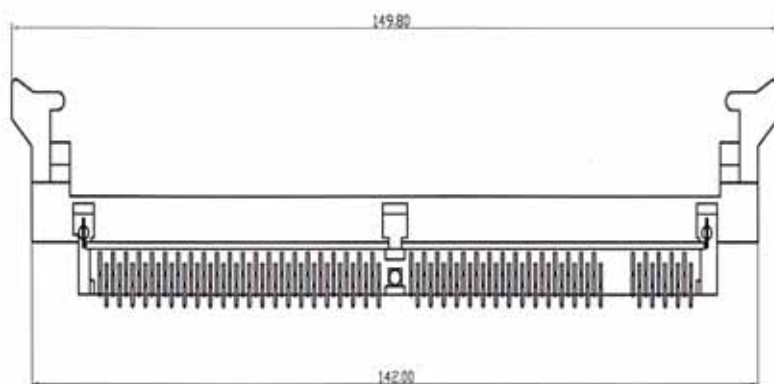
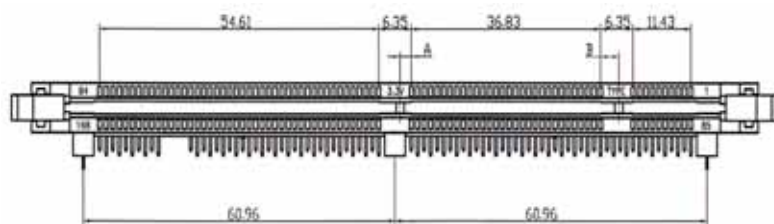
RAM TYPE	VOLT	No. of Type	MODULE KEYING	
			A	B
D-RAM	5.0V	1	2.175	3.175
S-DRAM		2	2.175	4.175
U-DRAM		3	2.175	2.175
D-RAM	3.3V	4	3.175	3.175
S-DRAM		5	3.175	4.175
U-DRAM		6	3.175	2.175

ORDERING INFORMATION:

P/N 1 2 7 D M - $\frac{168}{1} \frac{S}{2}$ B

1. NO. OF CONTACTS:
168
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED

1.27MM DIMM SOCKET 168 PIN 3.3V/U-DRAM 25 DEGREE ANGLED TYPE



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: -25°C to + 105°C

MATERIALS

Insulator: UL94V-0

Nylon-6T or LCP

Contacts: Copper Alloy

All materials must be RoHS compliant.



RAM TYPE	VOLT	No. of Type	MODULE KEYING	
			A	B
D-RAM	5.0V	1	2.175	3.175
S-DRAM		2	2.175	4.175
U-DRAM		3	2.175	2.175
D-RAM	3.3V	4	3.175	3.175
S-DRAM		5	3.175	4.175
U-DRAM		6	3.175	2.175

ORDERING INFORMATION:

P/N 1 2 7 D T - $\frac{168}{1} \frac{S}{2}$ B

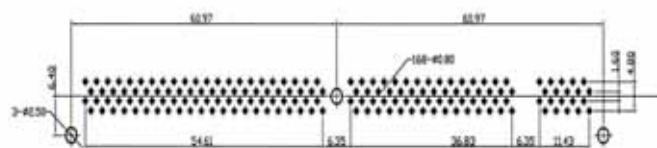
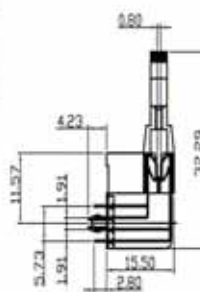
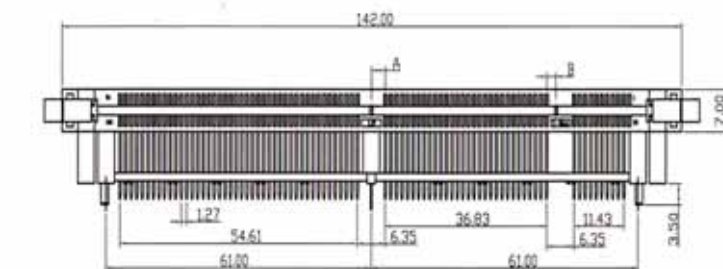
1. NO. OF CONTACTS:

168

2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

1.27MM DIMM SOCKET 168 PIN 3.3V/U-DRAM 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: 30mΩ Max.

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

MATERIALS

Insulator: UL94V-0

Nylon-6T or LCP

Contacts: Copper Alloy

All materials must be RoHS compliant.

RAM TYPE	VOLT	No. of Type	MODULE KEYING	
			A	B
D-RAM	5.0V	1	2.175	3.175
S-DRAM		2	2.175	4.175
U-DRAM		3	2.175	2.175
D-RAM	3.3V	4	3.175	3.175
S-DRAM		5	3.175	4.175
U-DRAM		6	3.175	2.175

ORDERING INFORMATION:

P/N 1 2 7 D R - $\frac{168}{1} \frac{S}{2}$ B

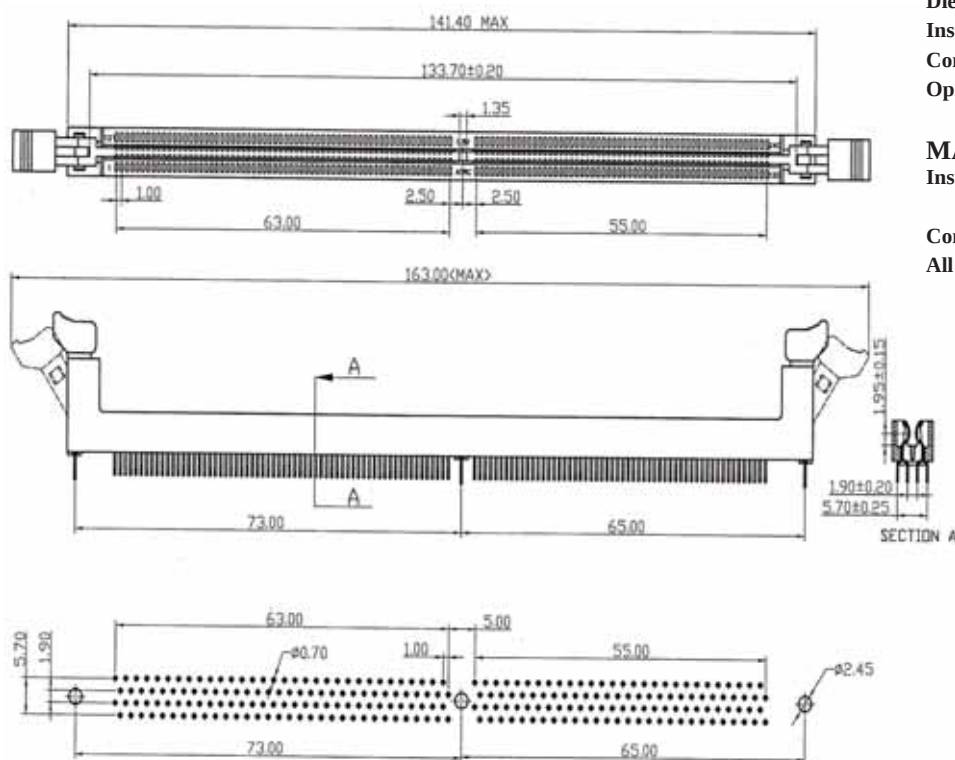
1. NO. OF CONTACTS:

168

2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

1.27MM DDR SOCKET 240 PIN 1.8V STRAIGHT TYPE



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 + 105°C

MATERIALS

Insulator: UL94V-0

Nylon-6T

Contacts: Copper Alloy

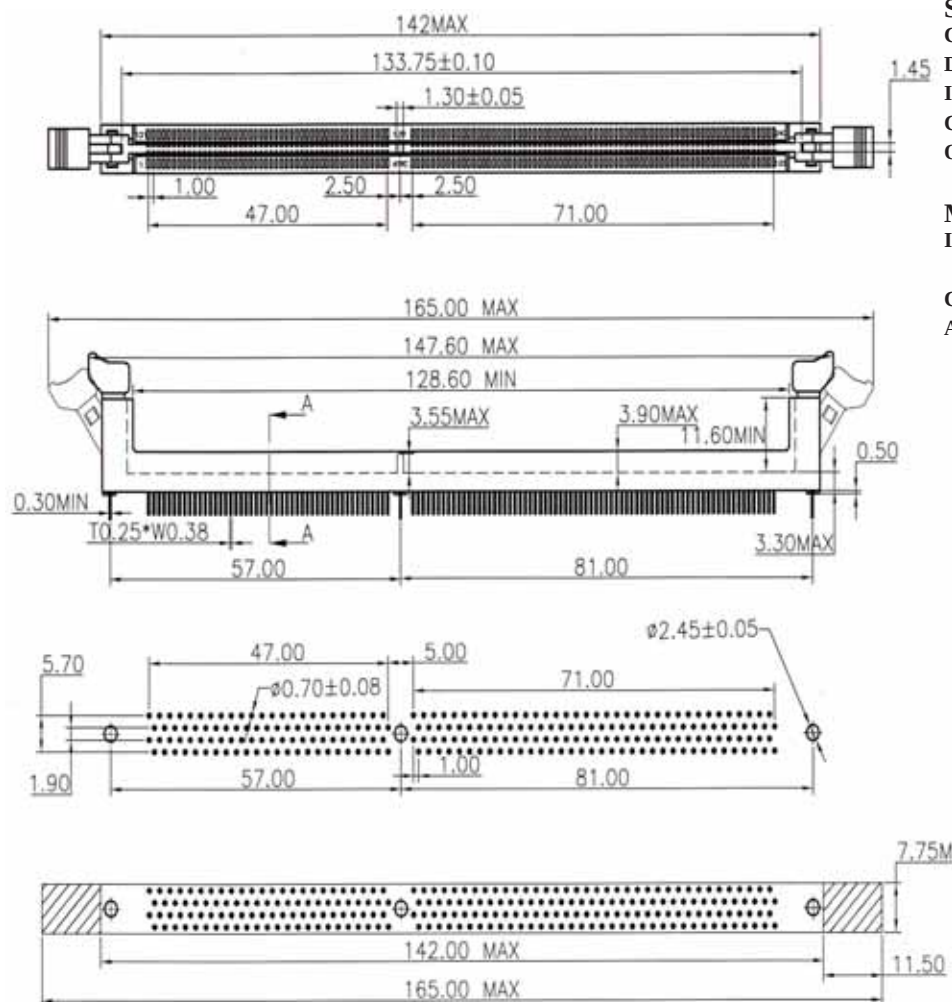
All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 7 D 2 - $\frac{240}{1}$ $\frac{S}{2}$ $\frac{x}{3}$

1. NO. OF CONTACTS:
240
2. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK
"R" RED
"O" ORANGE
"N" GREEN
"P" PURPLE
"Y" YELLOW
"M" LIGHT ORANGE
"D" LIGHT GREEN

1.27MM DDR SOCKET 240 PIN 1.5V STRAIGHT 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 + 105°C

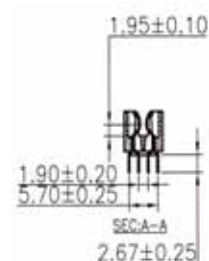
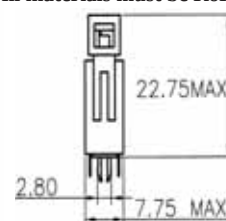
MATERIALS

Insulator: UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 2 7 D 3 - $\frac{240}{1}$ $\frac{S}{2}$ $\frac{x}{3}$

1. NO. OF CONTACTS:

240

2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

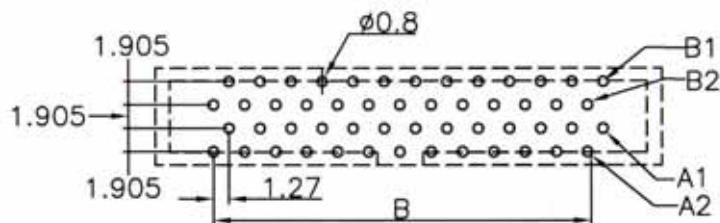
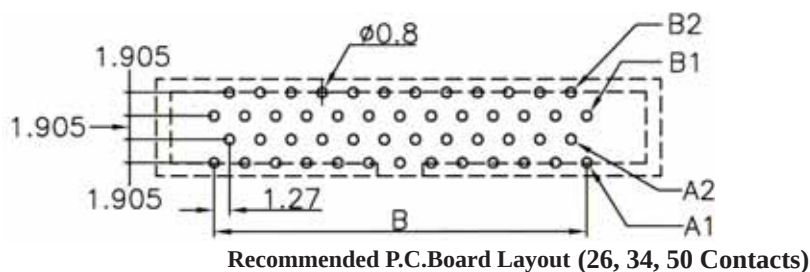
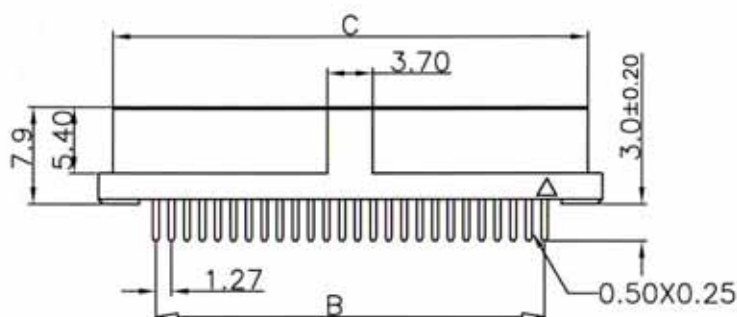
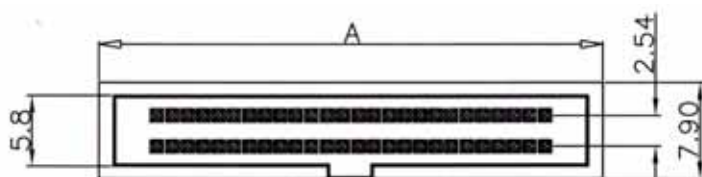
3. INSULATOR COLOR:

"B" BLACK

"K" PINK (190C)

"N" GREEN (368C)

1.27MM x 2.54MM FEMALE HEADER 2 TO 4 ROW STRAIGHT TYPE



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 300V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 15mΩ Max.

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

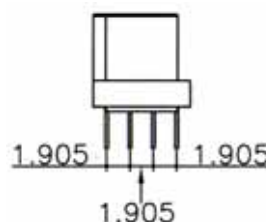
MATERIALS

Insulator: Glass, UL94V-0

P.B.T

Contacts: Phosphor Bronze

All materials must be RoHS compliant.



DIMENSIONS:

A = 1.27 x No. of Contacts/2 + 8.25

B = 1.27 x No. of Contacts/2 - 1.27

C = 1.27 x No. of Contacts/2 + 5.85

ORDERING INFORMATION:

P/N 1 2 7 S T - $\frac{x x x x}{1 \quad 2}$ B

1. NO. OF CONTACTS:

020 through 100

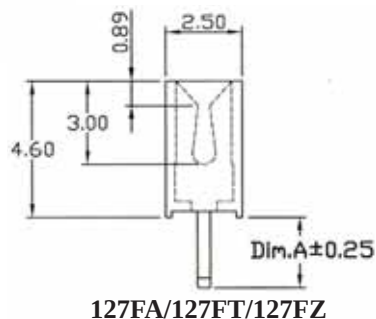
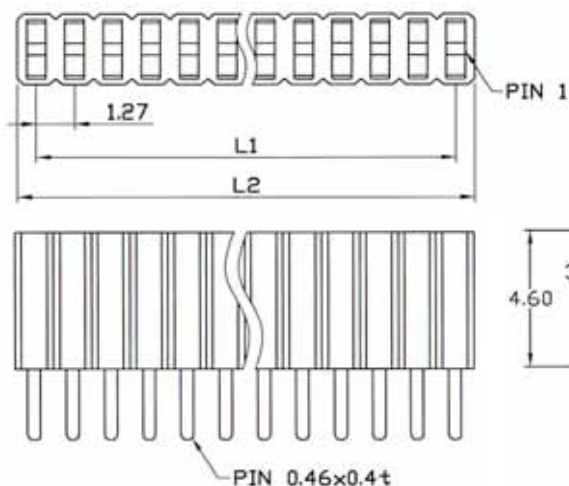
2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 2.54MM FEMALE HEADER STRAIGHT TYPE PROFILE=4.60MM

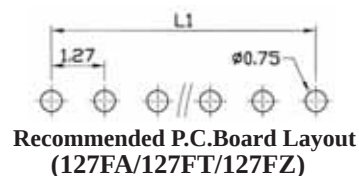
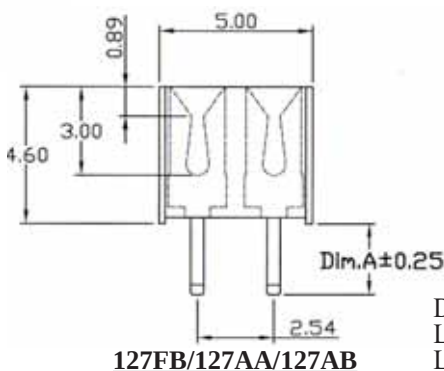
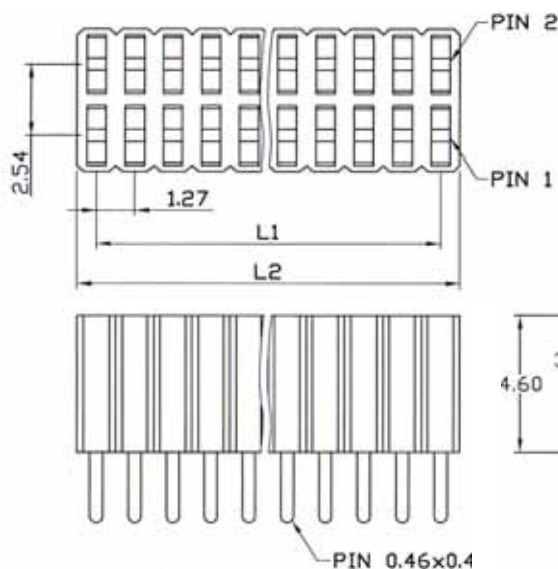


SPECIFICATIONS

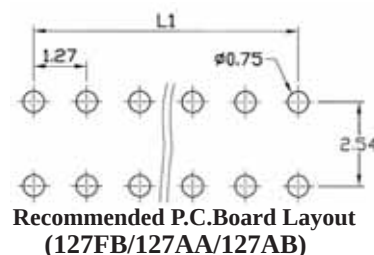
Current Rating: 1.0 Amp
Dielectric Withstand: 300V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to + 105°C

MATERIALS

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



Recommended P.C.Board Layout
(127FA/127FT/127FZ)



Recommended P.C.Board Layout
(127FB/127AA/127AB)

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 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B

1. PIN LENGTH & NO. OF ROW:

"FA" A= 3.00mm SINGLE ROW
"FB" A= 3.00mm DOUBLE ROW
"FT" A= 1.70mm SINGLE ROW
"AA" A= 1.70mm DOUBLE ROW
"FZ" A= 2.40mm SINGLE ROW
"AB" A= 2.40mm DOUBLE ROW

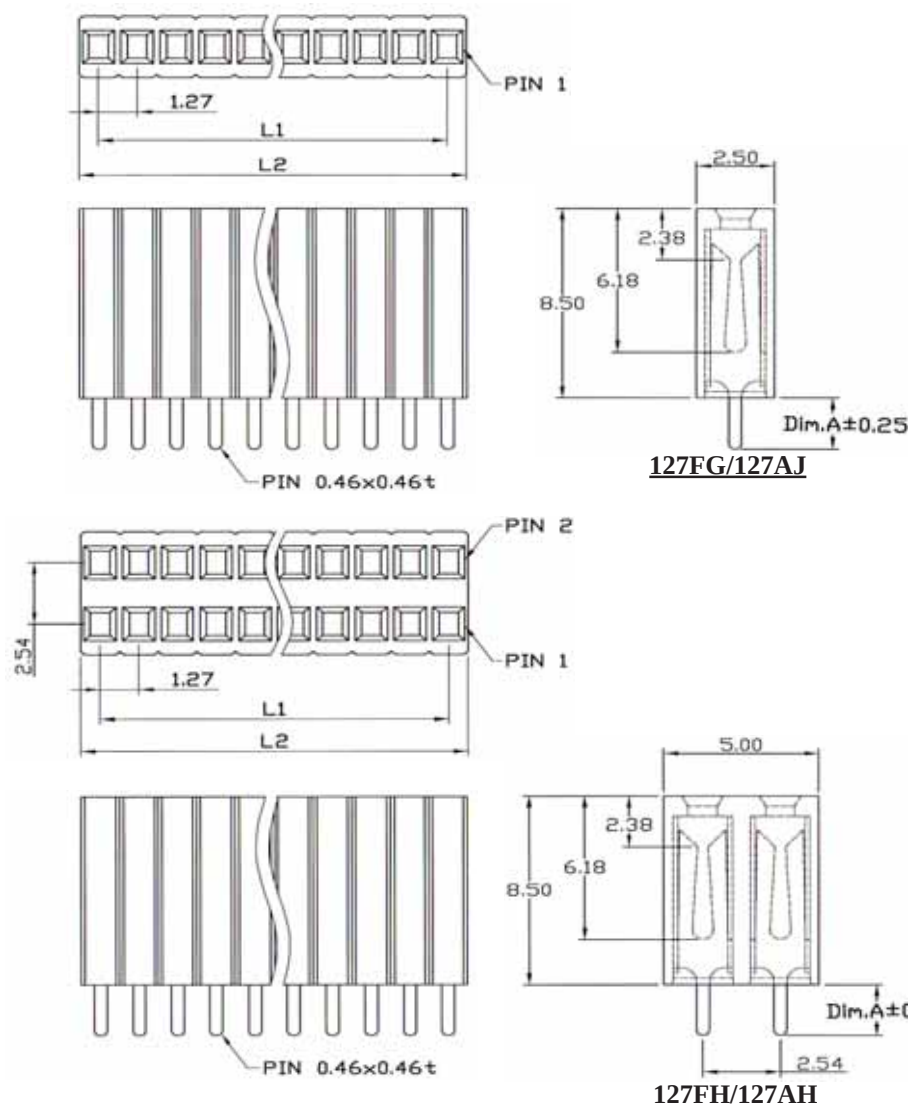
2. NO. OF CONTACTS:

003 through 050 for SINGLE ROW
006 through 100 for DOUBLE ROW

3. CONTACT FINISH:

"G" FULL GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 2.54MM FEMALE HEADER STRAIGHT TYPE PROFILE=8.50MM

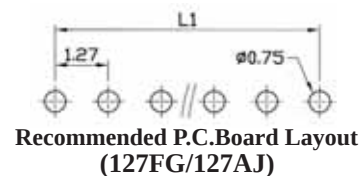


SPECIFICATIONS

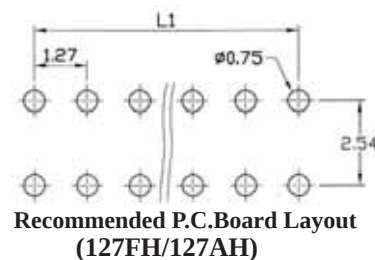
Current Rating: 1.0 Amp
 Dielectric Withstand: 300V AC
 Insulator Resistance: 1000 MΩ min.
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to + 105°C

MATERIALS

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



Recommended P.C.Board Layout
(127FG/127AJ)



Recommended P.C.Board Layout
(127FH/127AH)

DIMENSIONS:

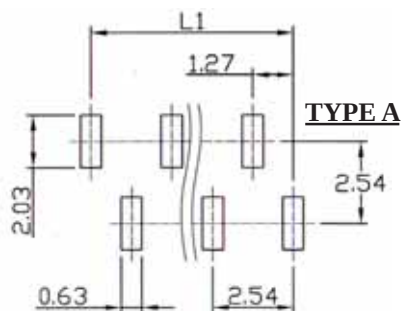
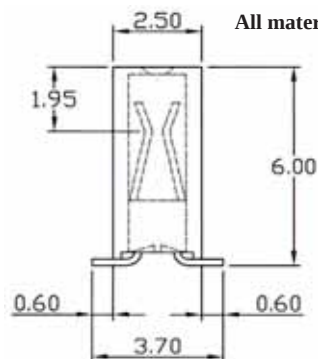
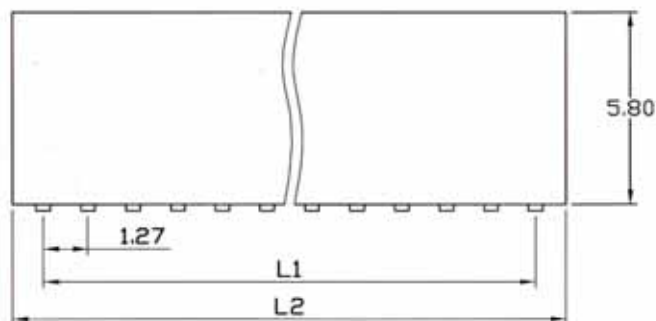
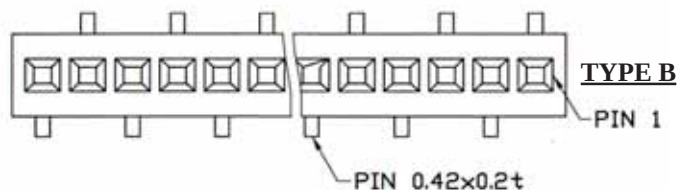
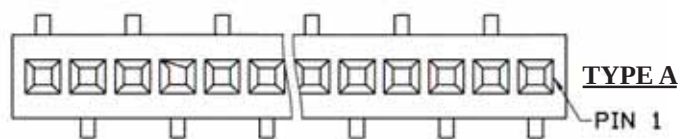
L1 = 1.27 x (No. of Contacts/Row - 1)
 L2 = 1.27 x No. of Contacts/Row + 0.4

ORDERING INFORMATION:

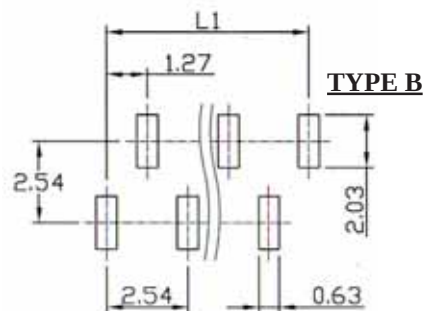
P/N 1 2 7 xx - xxxx x B
 1 2 3

- PIN LENGTH & NO. OF ROWS:
 "FG" A= 2.70mm SINGLE ROW
 "FH" A= 2.70mm DOUBLE ROW
 "AJ" A= 3.00mm SINGLE ROW
 "AH" A= 3.00mm DOUBLE ROW
- NO. OF CONTACTS:
 003 through 050 for SINGLE ROW
 006 through 100 for DOUBLE ROW
- CONTACT FINISH:
 "G" FULL GOLD PLATED
 "T" FULL TIN PLATED

1.27MM x 2.54MM FEMALE HEADER SINGLE ROW SMT TYPE PROFILE=5.80MM



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 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

1. PCB LAYOUT TYPE:

"HX" TYPE A

"HY" TYPE B

2. NO. OF CONTACTS:

003 through 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

4. PAD & PACKAGE OPTION:

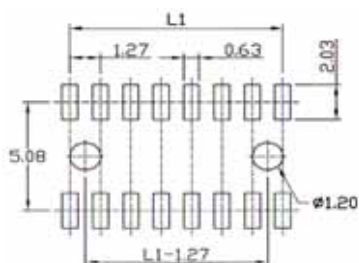
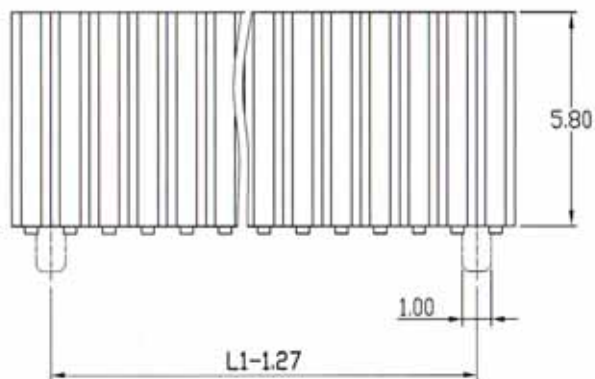
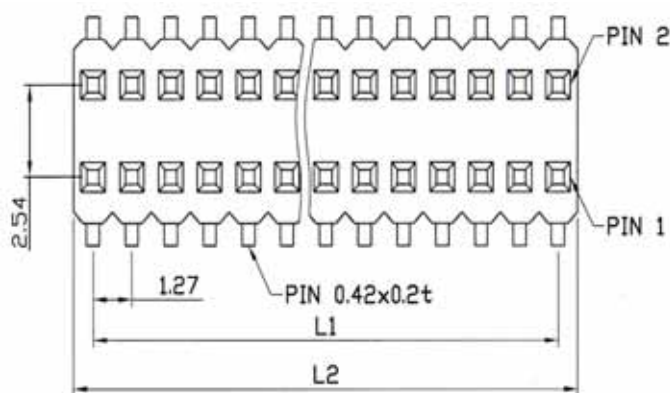
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

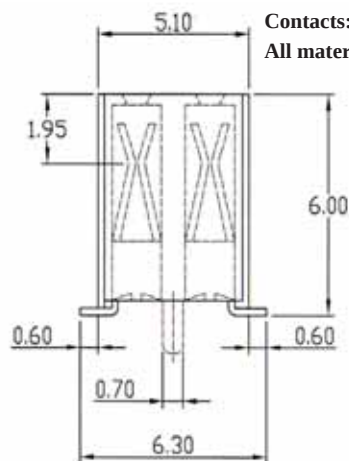
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

1.27MM x 2.54MM FEMALE HEADER DOUBLE ROW SMT TYPE PROFILE=5.80MM



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.

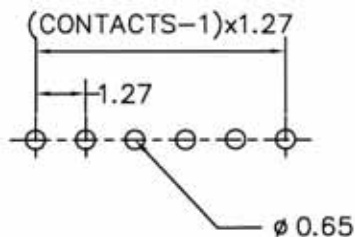
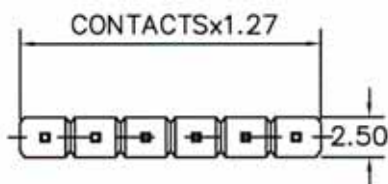
ORDERING INFORMATION:

P/N 1 2 7 $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$ B - $\frac{x}{4}$

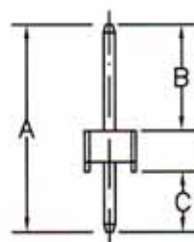
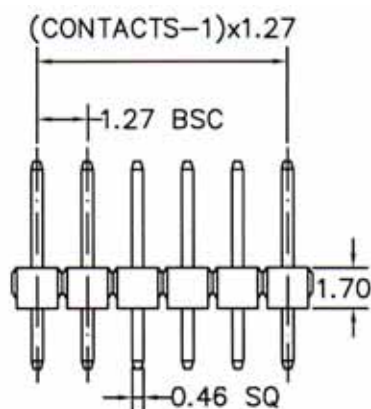
1. LOCATING PEG OPTION:
"FF" W/O LOCATING PEG
"FE" WITH LOCATING PEG
2. NO. OF CONTACTS:
006 through 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED
4. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

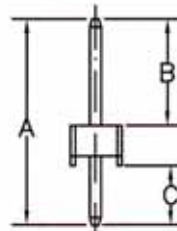
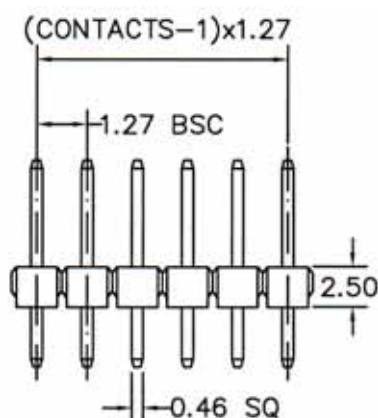
1.27MM 0.46MMSQ PIN HEADER STRAIGHT TYPE PROFILE=1.70MM & 2.50MM



Recommended P.C.Board Layout



127PA/127PB



127PC/127PD/127PE/127PF

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 2 7 XX - XXX X B
1 2 3

1. PROFILE & PIN LENGTH:

"PA" H= 1.70mm, A/B/C= 7.1/2.8/2.6mm

"PB" H= 1.70mm, A/B/C= 10.7/6.0/3.0mm

"PC" H= 2.50mm, A/B/C= 7.9/2.8/2.6mm

"PD" H= 2.50mm, A/B/C= 8.1/2.6/3.0mm

"PE" H= 2.50mm, A/B/C= 14.0/8.5/3.0mm

"PF" H= 2.50mm, A/B/C= 11.5/6.0/3.0mm

2. NO. OF CONTACTS:

002 through 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

FOR SPECIAL TYPE GIVE US A CODE :

Code: XXX 1 S 1 - A/B/C - XXX X B
1 2 3 4

THEN WE WILL GIVE YOU:

Part N.: P XXX XXX XXX - XXX X B
YY MM DD 3 4

1. EXTERIOR CODE:

"139" PROFILE H=1.7mm

"140" PROFILE H=2.5mm

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

3. NO. OF CONTACTS:

002 through 050

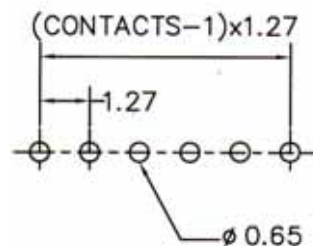
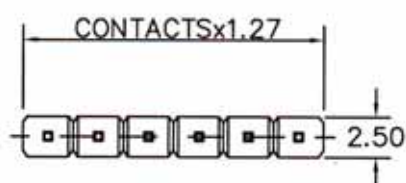
4. CONTACT FINISH:

"G" FULL GOLD PLATED

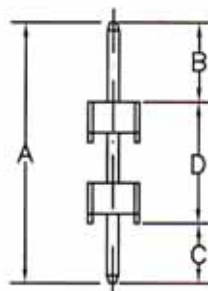
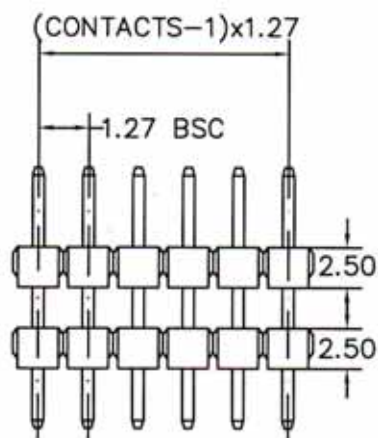
"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.46MMSQ PIN HEADER SINGLE ROW STRAIGHT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



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 2 7 XX - XX XX X B
1 2 3

1. PIN LENGTH:

"PG" A/B/C/D= 11.0/2.8/2.0/6.2mm

"SX" A/B/C/D= 11.5/2.8/2.6/6.1mm

"NS" A/B/C/D= 14.7/6.0/2.6/6.1mm

"NU" A/B/C/D= 14.1/4.5/3.5/6.1mm

2. NO. OF CONTACTS:

002 through 050

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 4 0 1S2 - A/B/C/D - XX XX X B
1 2 3 4

THEN WE WILL GIVE YOU:

Part N.: P XX XX XX XX XX - XX XX X B
YY MM DD 3 4

1. EXTERIOR CODE:

"1S2" SINGLE ROW STRAIGHT

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

3. NO. OF CONTACTS:

002 through 050

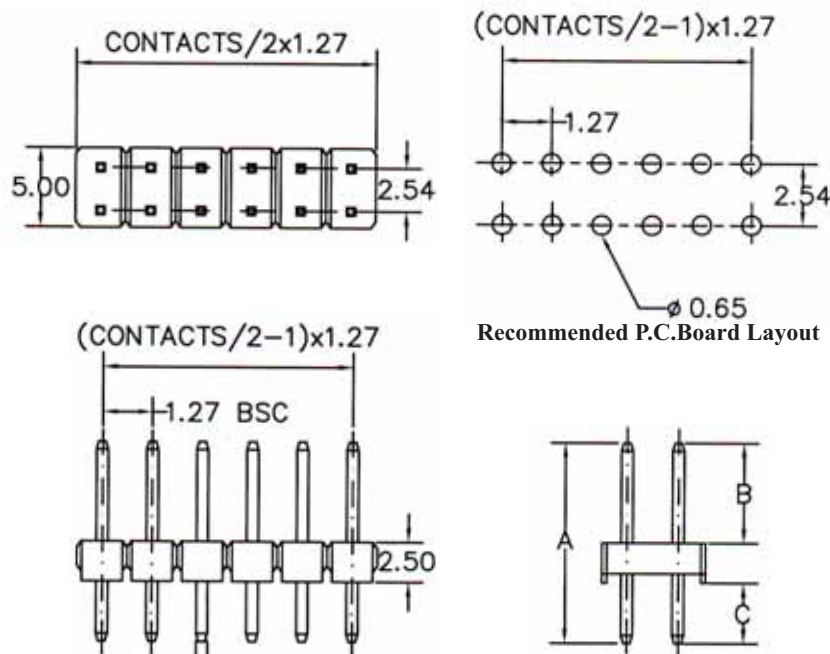
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 2.54MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=2.50MM



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.

H=2.50mm	Dimensions(mm)	
	B	C
PN	2.80	2.60
PP	2.60	3.00
PQ	6.00	3.00
PR	8.50	3.00
NL	9.91	3.05
NM	10.29	3.05
NN	10.92	3.05
NP	12.32	3.05
NQ	13.59	3.05
NR	15.37	3.05

ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B$

1. PROFILE & PIN LENGTH:
PN, PP, PQ, PR, NL, NM, NN, NP, NQ, NR
2. NO. OF CONTACTS:
004 through 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

FOR SPECIAL TYPE GIVE US A CODE :

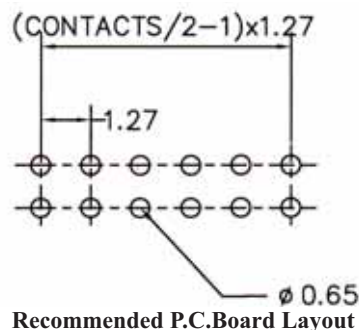
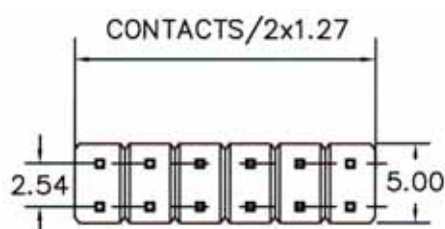
Code: 1 4 0 $\frac{2S1}{1} - \frac{A/B/C/D}{2} - \frac{XXX}{3} \frac{X}{4} B$

THEN WE WILL GIVE YOU:

Part N.: $P \frac{XXX}{YY} \frac{XXX}{MM} \frac{XXX}{DD} - \frac{XXX}{3} \frac{X}{4} B$

1. EXTERIOR CODE:
"2S1" DOUBLE ROW STRAIGHT
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
004 through 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 2.54MM PIN HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=2.50MM

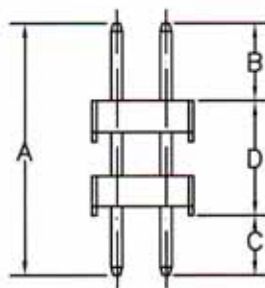
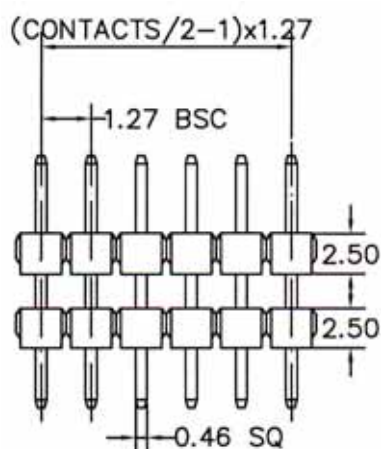


SPECIFICATIONS

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:

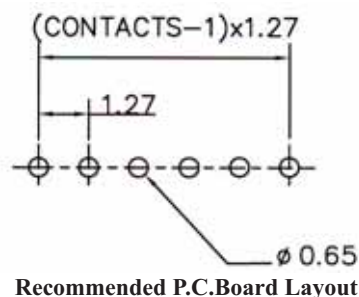
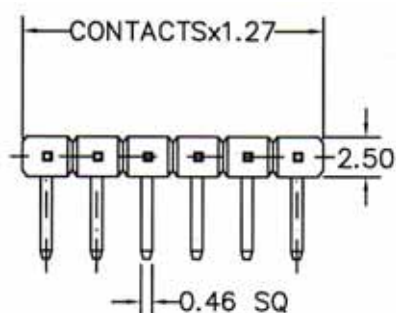
CODE: 1 4 0 2 S 2 - A/B/C/D - x x x x B
 1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

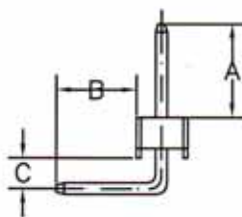
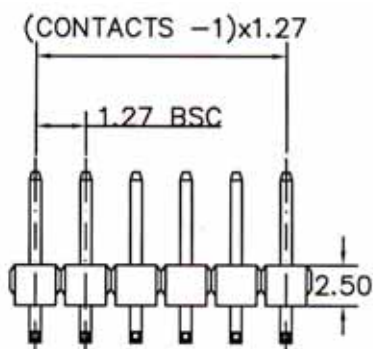
P/N P x x x x x x x - x x x x B
 YY MM DD 3 4

1. EXTERIOR CODE:
 "2S2" DOUBLE ROW STRAIGHT
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
 004 through 100
4. CONTACT FINISH:
 "G" FULL GOLD PLATED
 "S" SELECTIVE GOLD PLATED
 "T" FULL TIN PLATED

1.27MM 0.46MMSQ PIN HEADER SINGLE ROW RIGHT ANGLE TYPE PROFILE=2.50MM



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:

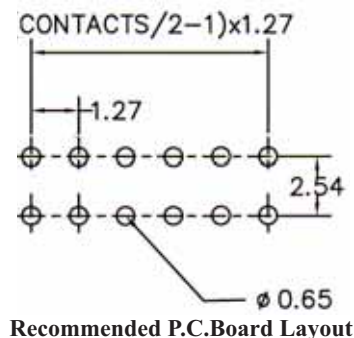
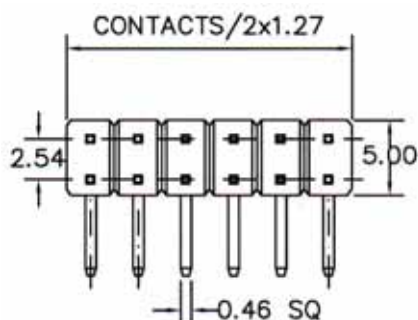
CODE: 1 4 0 1 D 1 - A/B/C - x x x x B
1 2 3 4

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

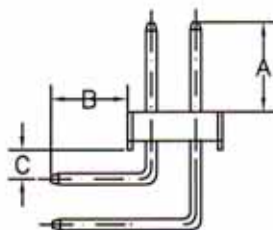
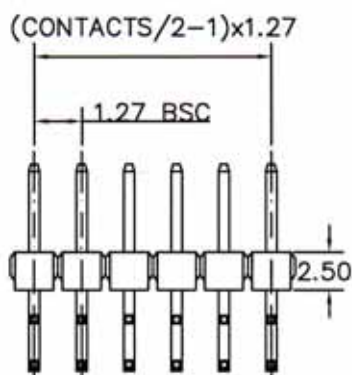
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
"1D1" SINGLE ROW RIGHT ANGLE
2. DIMENSION A/B/C (UNIT: mm)
3. NO. OF CONTACTS:
002 through 050
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

1.27MM x 2.54MM PIN HEADER DOUBLE ROW RIGHT ANGLE TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



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 2 7 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B$

1. PIN LENGTH:

"SU" A/B/C= 2.8/2.6/1.4mm

"SV" A/B/C= 4.0/2.6/1.4mm

"SW" A/B/C= 6.0/2.6/1.4mm

2. NO. OF CONTACTS:

004 through 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 4 0 $\frac{2D1}{1} - \frac{A/B/C}{2} - \frac{XXX}{3} \frac{X}{4} B$

THEN WE WILL GIVE YOU:

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

1. EXTERIOR CODE:

"2D1" DOUBLE ROW RIGHT ANGLE

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

3. NO. OF CONTACTS:

004 through 100

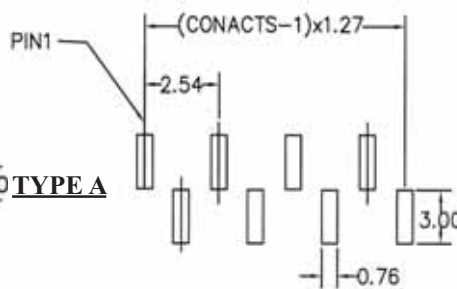
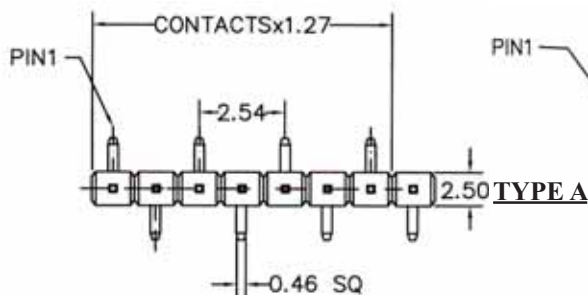
4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

1.27MM 0.46MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout

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

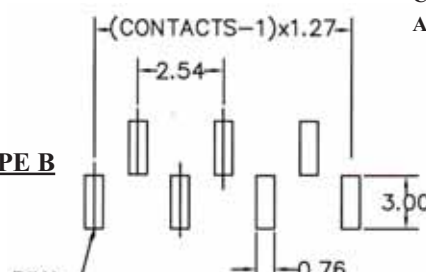
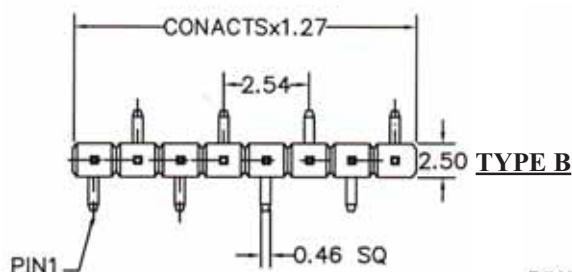
MATERIALS

Insulator: Thermoplastic, UL94V-0

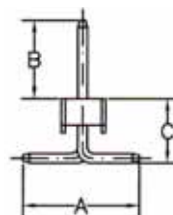
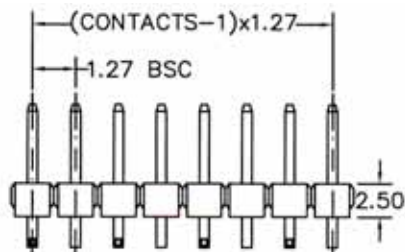
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



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. CONNECTOR TYPE:

"QA" TYPE A, A/B/C= 5.08/2.80/3.77mm

"QB" TYPE A, A/B/C= 5.08/6.00/3.77mm

"QC" TYPE B, A/B/C= 5.08/2.80/3.77mm

"QD" TYPE B, A/B/C= 5.08/6.00/3.77mm

2. NO. OF CONTACTS:

002 through 040

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

FOR SPECIAL TYPE GIVE US A CODE :

Code: 1 4 0 1 $\frac{M}{1}$ - $\frac{A/B/C}{2}$ - $\frac{XXX}{3}$ $\frac{X}{4}$ B - $\frac{XX}{5}$ $\frac{X}{6}$

THEN WE WILL GIVE YOU:

Part N.: P $\frac{XXX}{YY}$ $\frac{XXX}{MM}$ $\frac{XXX}{DD}$ - $\frac{XXX}{3}$ $\frac{X}{4}$ B

1. EXTERIOR CODE: "1M1"

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

3. NO. OF CONTACTS:

002 through 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

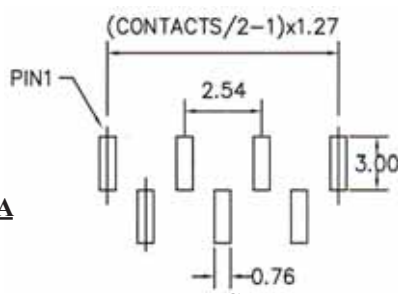
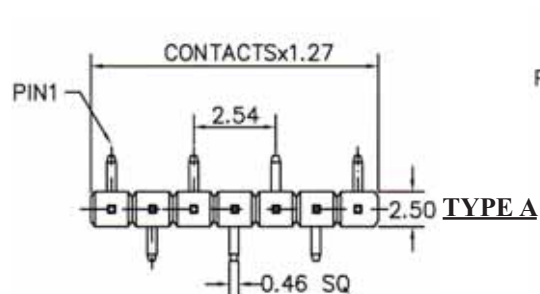
6. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

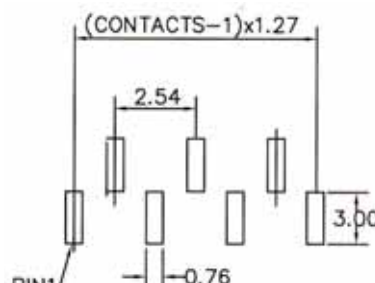
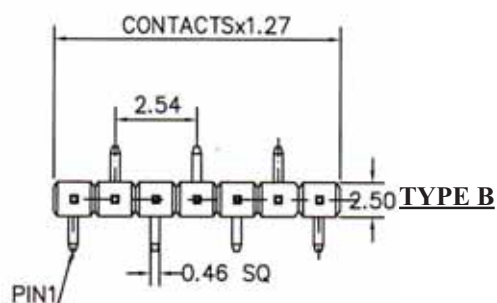
"P" WITH PAD IN TUBE

"Q" WITH PAD IN TAPE & REEL

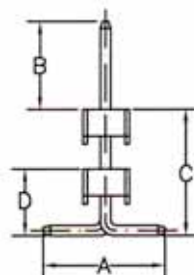
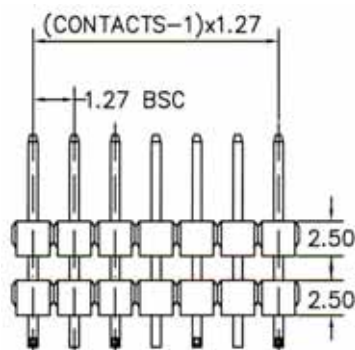
1.27MM 0.46MMSQ PIN HEADER SINGLE ROW SMT TYPE PROFILE=2.50MM



Recommended P.C.Board Layout



Recommended P.C.Board Layout



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 4 0 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

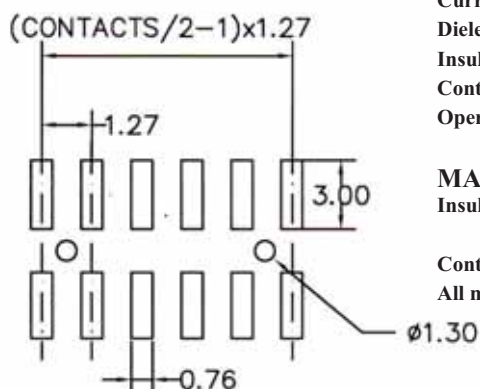
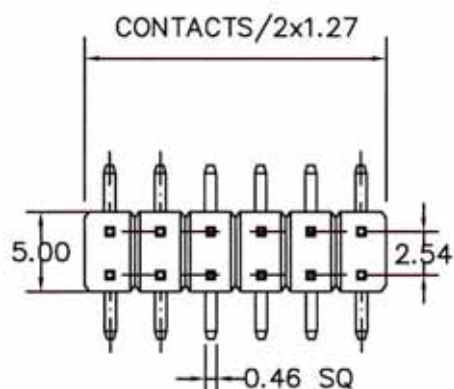
P/N P x x x x x x x - x x x x B
YY MM DD 3 4

1. EXTERIOR CODE:
"1M4" SINGLE ROW SMT TYPE
2. DIMENSION A/B/C/D (UNIT: mm)
3. NO. OF CONTACTS:
002 through 100
4. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

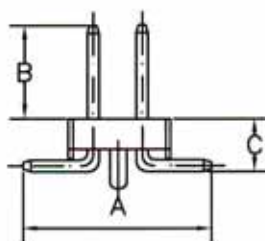
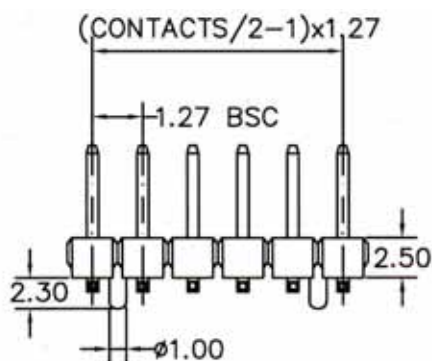
5. PCB LAYOUT TYPE:
"A" TYPE A
"B" TYPE B
6. PAD & PACKAGE OPTION:
"T" W/O PAD IN TUBE
"P" WITH PAD IN TUBE
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

1.27MM x 2.54MM 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 $\frac{X}{1} \frac{X}{2} \frac{X}{3} \frac{X}{4} B - \frac{X}{4}$

- CONNECTOR TYPE:
W/O LOCATING PEG:
 "QN" A/B/C= 7.52/2.80/3.77mm
 "QP" A/B/C= 7.52/6.00/3.77mm
WITH LOCATING PEG:
 "VF" A/B/C= 7.52/2.80/3.77mm
 "VJ" A/B/C= 7.52/6.00/3.77mm
- NO. OF CONTACTS:
 004 through 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

FOR SPECIAL TYPE GIVE US A CODE :

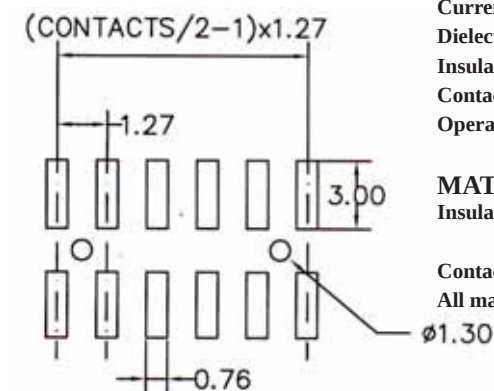
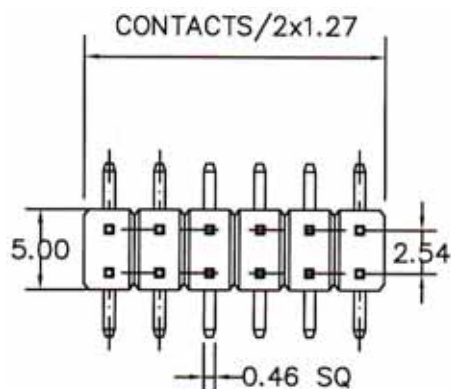
Code: 1 4 0 $\frac{X}{1} \frac{X}{2} \frac{X}{3} \frac{X}{4} B - \frac{X}{5}$

THEN WE WILL GIVE YOU:

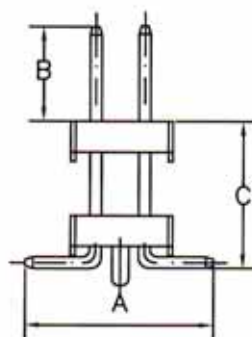
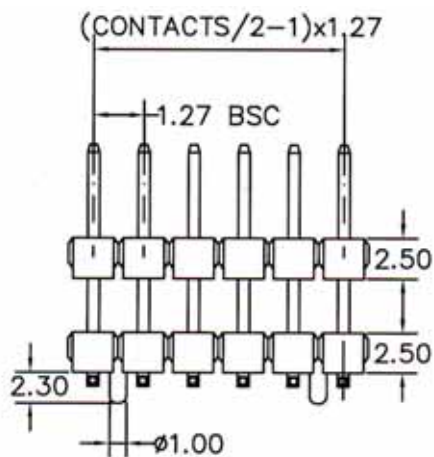
Part N.: P $\frac{X}{1} \frac{X}{2} \frac{X}{3} \frac{X}{4} \frac{X}{5} \frac{X}{6} \frac{X}{7} \frac{X}{8} \frac{X}{9} \frac{X}{10} B - \frac{X}{3} \frac{X}{4}$

- EXTERIOR CODE:
 "2M1" W/O LOCATING PEG
 "2M3" WITH LOCATING PEG
- DIMENSION A/B/C (UNIT: mm)
- NO. OF CONTACTS:
 004 through 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

1.27MM x 2.54MM 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 4 0 2 M 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:

"2M4" W/O LOCATING PEG

"2M7" WITH LOCATING PEG

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

3. NO. OF CONTACTS:

004 through 100

4. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

5. PAD & PACKAGE OPTION:

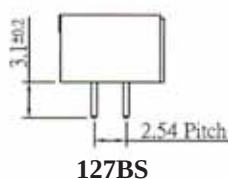
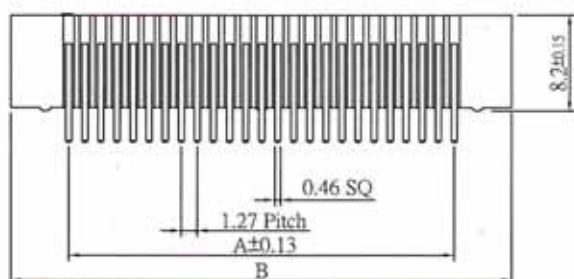
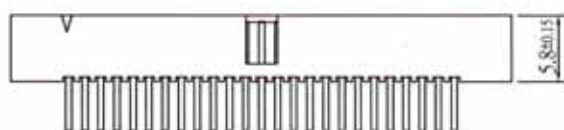
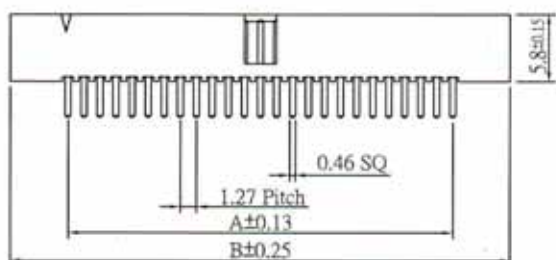
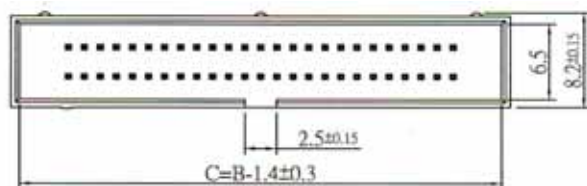
"T" W/O PAD IN TUBE

"P" WITH PAD IN TUBE

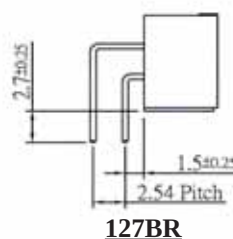
"Q" WITH PAD IN TAPE & REEL

NOTE: PAD = Pick & Place Pad

1.27MM x 2.54MM BOX HEADER DOUBLE ROW DIP TYPE



127BS



127BR

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

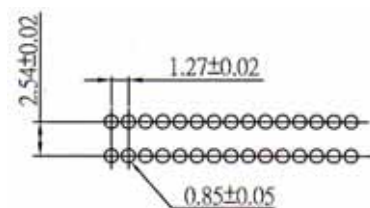
Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
08	3.81	13.10
10	5.08	14.37
20	11.43	20.72
26	15.24	24.53
30	17.78	27.07
34	20.32	29.61
40	24.13	33.42
44	26.67	35.96
50	30.48	39.77
60	36.83	46.12
68	41.91	51.20
80	49.53	58.82
100	62.23	71.52



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 1 2 7 x x - x x x x B
1 2 3

1. CONNECTOR TYPE:

"BS" STRAIGHT TYPE

"BR" RIGHT ANGLE TYPE

2. NO. OF CONTACTS:

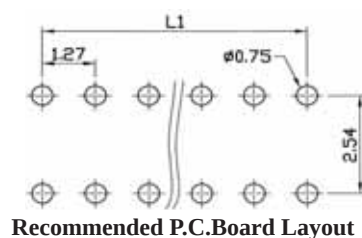
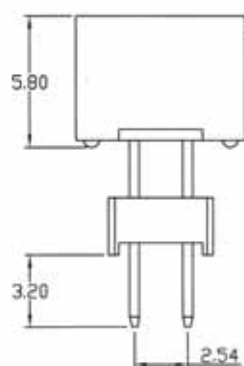
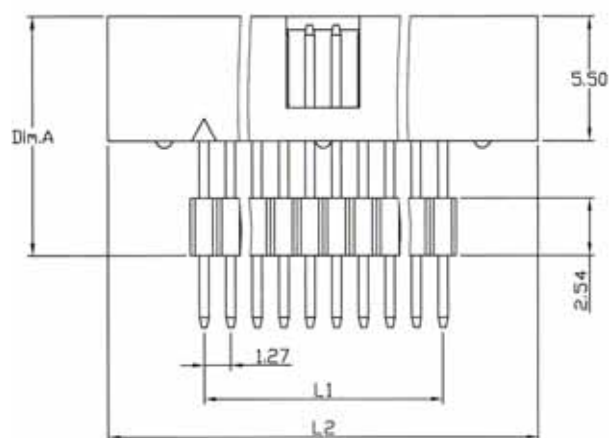
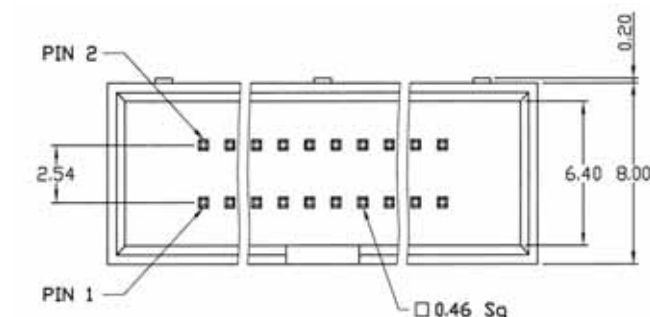
008, 010, 020, 026, 030, 034, 040, 044,

050, 060, 068, 080, 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM x 2.54MM ELEVATED BOX HEADER 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

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	L1	L2
20	11.43	20.46
26	15.24	24.30
30	17.78	26.88
34	20.32	29.42
40	24.13	33.30
50	30.48	39.62
60	36.83	45.98
68	41.91	51.10
80	49.53	58.75
100	62.23	71.48

ORDERING INFORMATION:

CODE: 1 4 5 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)

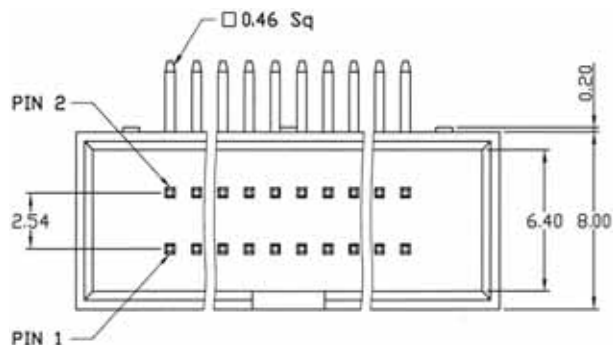
2. NO. OF CONTACTS:

020, 026, 030, 034, 040, 050, 060, 068,
080, 100

3. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM x 2.54MM BOX HEADER RIGHT ANGLE TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20mΩ Max.

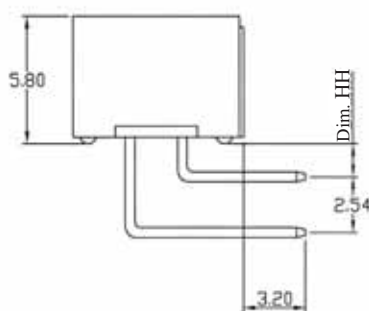
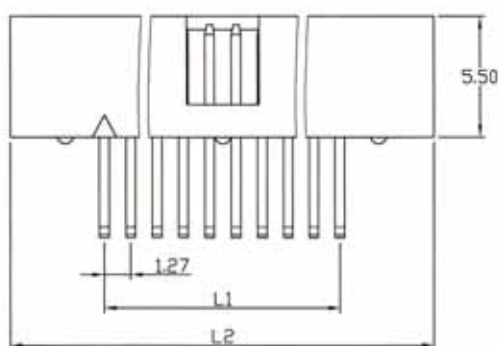
Operating Temperature: -40°C to +105°C

MATERIALS

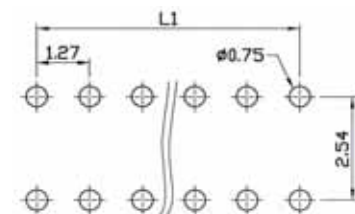
Insulator: Thermoplastic, UL94V-0
Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)	
	L1	L2
20	11.43	20.46
26	15.24	24.30
30	17.78	26.88
34	20.32	29.42
40	24.13	33.30
50	30.48	39.62
60	36.83	45.98
68	41.91	51.10
80	49.53	58.75
100	62.23	71.48



Recommended P.C.Board Layout

ORDERING INFORMATION:

CODE: 1 4 5 2 R 6 - $\frac{HH}{1} - \frac{xxx}{2} \frac{x}{3} B$

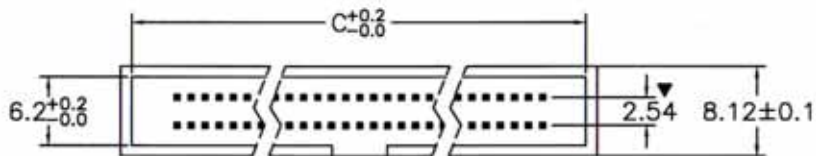
PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

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:
020, 026, 030, 034, 040, 050, 060, 068,
080, 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"S" SELECTIVE GOLD PLATED
"T" FULL TIN PLATED

NOTE: **REVERSE** TYPE WITH OPPOSITE
POLARIZATION WINDOWS,
PLS USE **1452D6...** AS INITIAL CODE

1.27MM x 2.54MM BOX HEADER 2 TO 4 ROW STRAIGHT 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

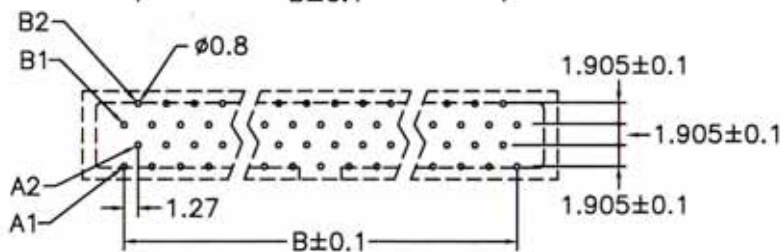
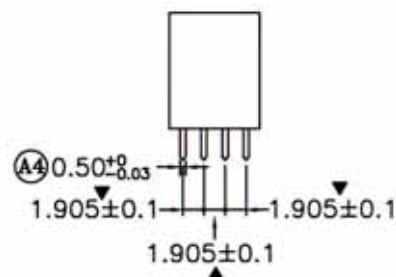
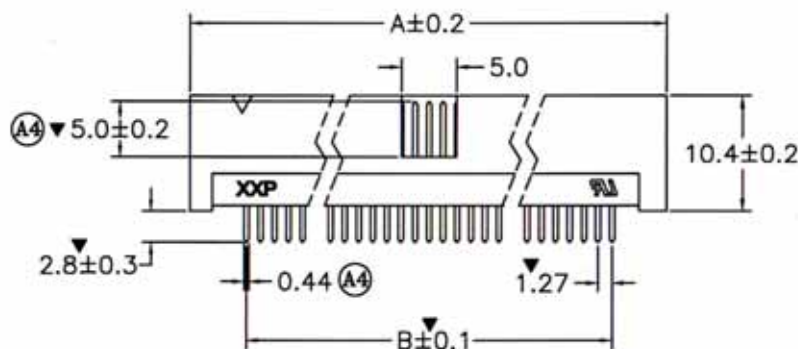
MATERIALS

Insulator: Polyester, UL94V-0

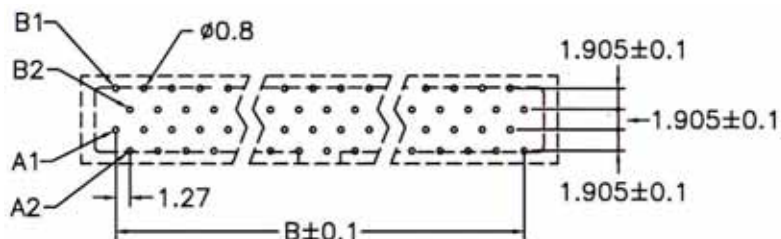
Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



Recommended P.C.Board Layout (26, 34, 50 Contacts)



Recommended P.C.Board Layout (20, 32, 40, 52, 60, 68, 80, 100 Contacts)

No. of Contacts	Dimensions(mm)		
	A	B	C
20	20.95	11.43	18.75
26	24.76	15.24	22.56
32	28.57	19.05	26.37
34	29.84	20.32	27.64
40	33.65	24.13	31.45
50	40.00	30.48	37.80
52	41.27	31.75	39.07
60	46.35	36.83	44.15
68	51.43	41.91	49.23
80	59.05	49.53	56.85
100	71.75	62.23	69.55

ORDERING INFORMATION:

P/N 1 2 7 B H - $\frac{x x x x}{1 \quad 2}$ B

1. NO. OF CONTACTS:

020, 026, 032, 034, 040, 050, 052, 060, 068, 080, 100

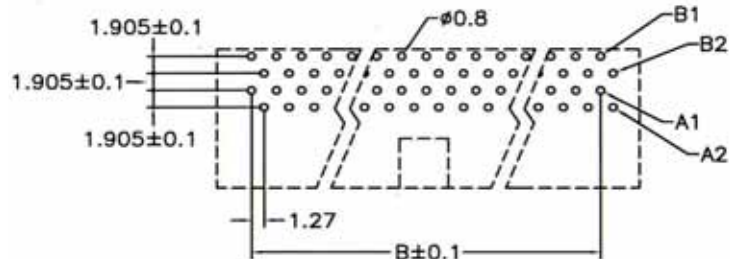
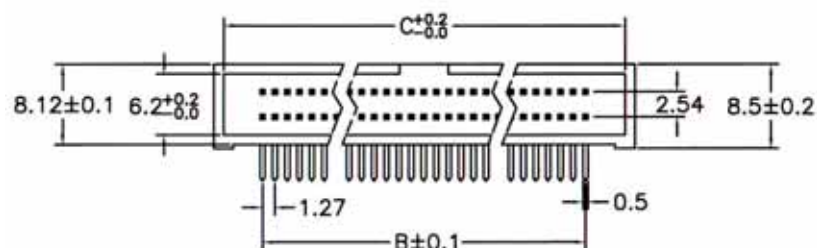
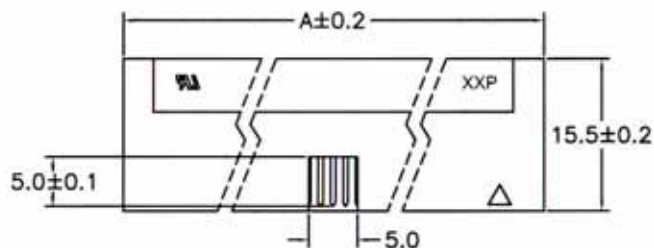
2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

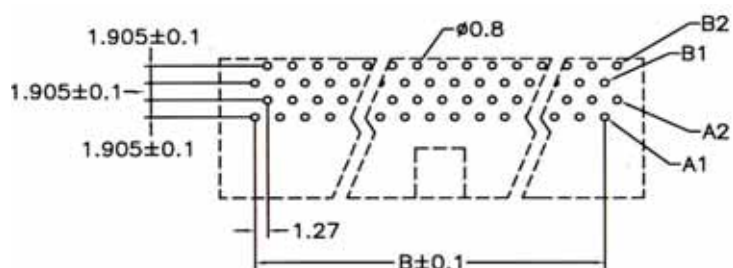
"G" FULL GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 2.54MM BOX HEADER 2 TO 4 ROW RIGHT ANGLE TYPE



Recommended P.C.Board Layout (26, 34, 50 Contacts)



Recommended P.C.Board Layout (20, 32, 40, 52, 60, 68, 80, 100 Contacts)

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

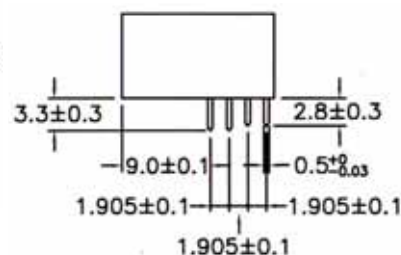
MATERIALS

Insulator: Polyester, UL94V-0

Nylon-6T

Contacts: Copper Alloy

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)		
	A	B	C
20	20.95	11.43	18.75
26	24.76	15.24	22.56
32	28.57	19.05	26.37
34	29.84	20.32	27.64
40	33.65	24.13	31.45
50	40.00	30.48	37.80
52	41.27	31.75	39.07
60	46.35	36.83	44.15
68	51.43	41.91	49.23
80	59.05	49.53	56.85
100	71.75	62.23	69.55

ORDERING INFORMATION:

P/N 1 2 7 B J - $\frac{\text{XXX}}{1} \frac{\text{X}}{2}$ B

1. NO. OF CONTACTS:

020, 026, 032, 034, 040, 050, 052, 060, 068, 080, 100

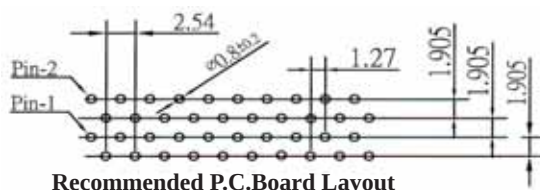
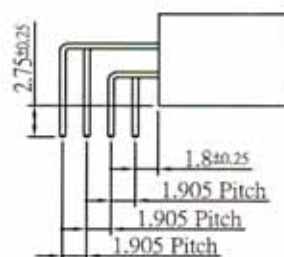
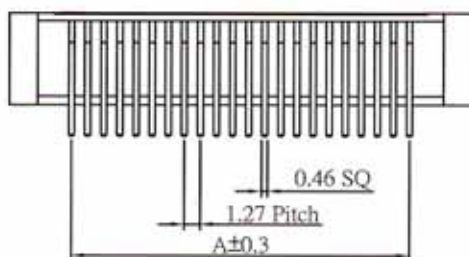
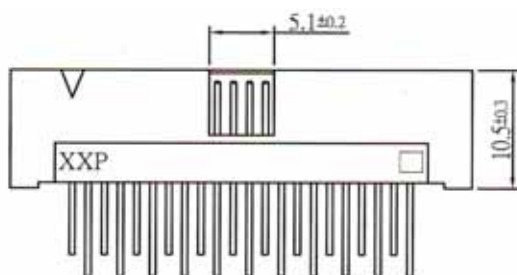
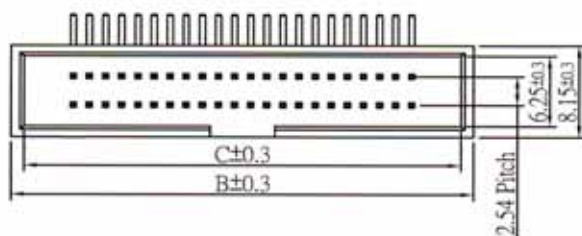
2. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 2.54MM BOX HEADER 2 TO 4 ROW 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

P.B.T

Contacts: Brass

All materials must be RoHS compliant.

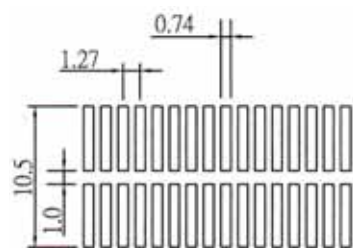
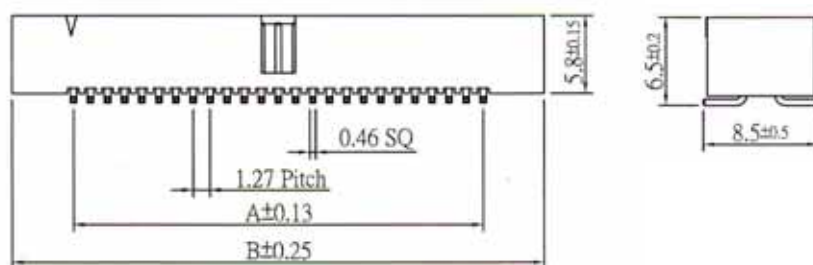
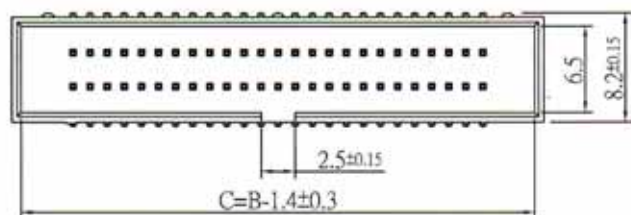
No. of Contacts	Dimensions(mm)		
	A	B	C
16	8.89	18.66	16.46
20	11.43	21.20	19.00
32	19.05	28.82	26.62
40	24.13	33.90	31.70
44	26.67	36.44	34.24
52	31.75	41.52	39.32
60	36.83	46.60	44.40
68	41.91	51.68	49.48
80	49.53	59.30	57.10
100	62.23	72.00	69.80

ORDERING INFORMATION:

P/N 1 2 C 6 0 - x x x x B
1 2 3

1. TERMINAL TYPE:
"C60" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
016, 020, 032, 040, 044, 052, 060, 068, 080, 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED

1.27MM x 2.54MM BOX HEADER DOUBLE ROW SMT TYPE



Recommended P.C.Board Layout

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: Polyester, UL94V-0

Nylon-6T

Contacts: Brass

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	A	B
08	3.81	13.10
10	5.08	14.37
20	11.43	20.72
26	15.24	24.53
30	17.78	27.07
34	20.32	29.61
40	24.13	33.42
44	26.67	35.96
50	30.48	39.77
60	36.83	46.12
68	41.91	51.20
80	49.53	58.82
100	62.23	71.52

ORDERING INFORMATION:

P/N 1 2 7 B D - $\frac{x}{1} \frac{x}{2} \frac{x}{3}$ B - $\frac{x}{3}$

1. NO. OF CONTACTS:

008, 010, 020, 026, 030, 034, 040, 044,
050, 060, 068, 080, 100

2. CONTACT FINISH:

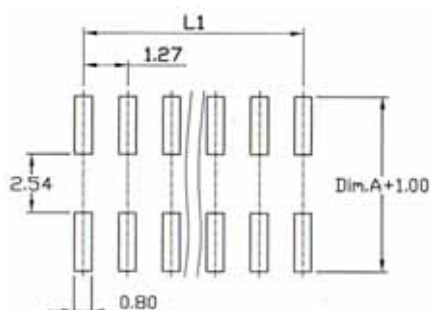
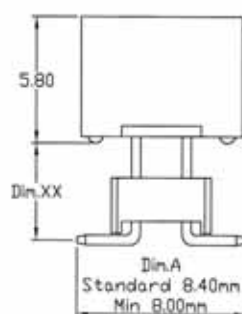
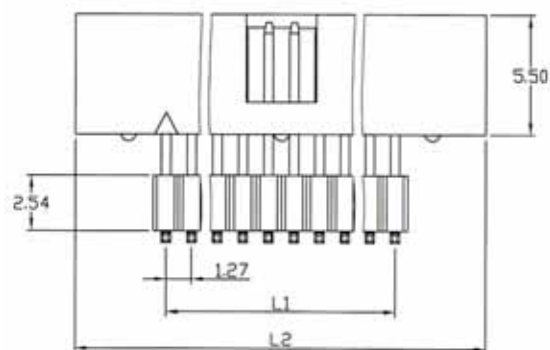
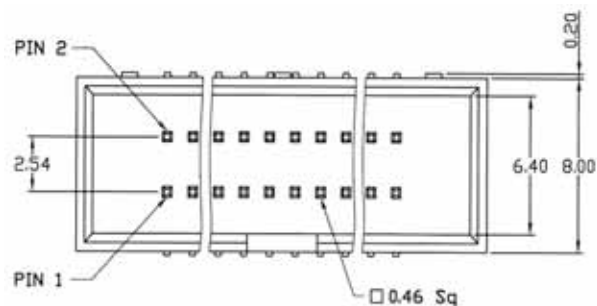
"G" FULL GOLD PLATED

3. PAD & PACKAGE OPTION:

"T" W/O PAD IN TUBE

NOTE: PAD = Pick & Place Pad

1.27MM x 2.54MM ELEVATED 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
Contacts: Brass
All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)	
	L1	L2
20	11.43	20.46
26	15.24	24.30
30	17.78	26.88
34	20.32	29.42
40	24.13	33.30
50	30.48	39.62
60	36.83	45.98
68	41.91	51.10
80	49.53	58.75
100	62.23	71.48

ORDERING INFORMATION:

CODE: 1 4 5 2 M 5 - $\frac{A}{X} \frac{X}{1} - \frac{x}{2} \frac{x}{3} \frac{x}{4} B - \frac{x}{4}$

PLEASE GIVE US A CODE, THEN WE WILL GIVE YOU

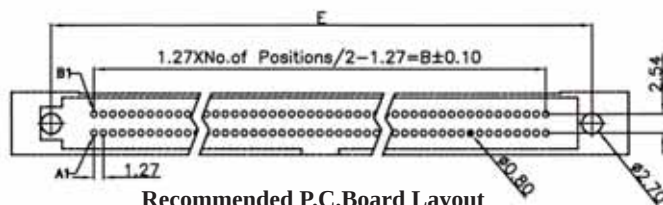
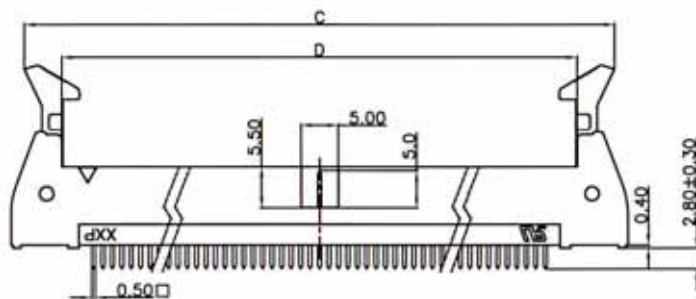
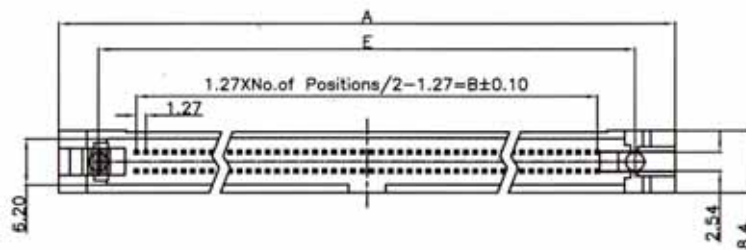
P/N P $\frac{x}{YY} \frac{x}{MM} \frac{x}{DD} x - \frac{x}{2} \frac{x}{3} \frac{x}{4} B$

1. DIMENSION A/XX (UNIT: mm)
2. NO. OF CONTACTS:
020, 026, 030, 034, 040, 050, 060, 068, 080, 100
3. CONTACT FINISH:
"G" FULL GOLD PLATED

4. 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 2.54MM SHROUDED HEADER DOUBLE ROW STRAIGHT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

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

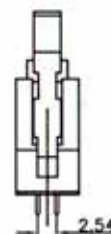
MATERIALS

Insulator: Glass, UL94V-0

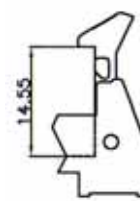
P.B.T

Contacts: Brass

All materials must be RoHS compliant.



Long Lever



Short Lever

No. of Contacts	Dimensions(mm)				
	A	B±0.10	C	D	E
20	32.36	11.43	29.35	18.75	21.59
26	36.18	15.24	33.16	22.56	25.40
32	39.98	19.05	36.97	26.37	29.21
34	41.25	20.32	38.24	27.64	30.48
40	45.06	24.13	42.05	31.45	34.29
50	51.41	30.48	48.40	37.80	40.64
52	52.68	31.75	49.67	39.07	41.91
60	57.76	36.83	54.75	44.15	46.99
68	62.84	41.91	59.83	49.23	52.07
80	70.46	49.53	67.45	56.85	59.69
100	83.16	62.23	80.25	69.55	72.39

ORDERING INFORMATION:

P/N 1 2 7 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{x}{3}$ B

1. LEVER TYPE:

"SF" WITH LONG LEVERS

"XR" WITH SHORT LEVERS

"XS" WITHOUT LEVERS

2. NO. OF CONTACTS:

020, 026, 032, 034, 040, 050, 052, 060, 068, 080, 100

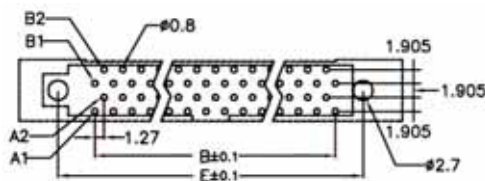
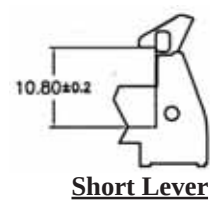
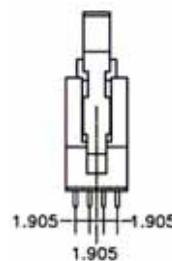
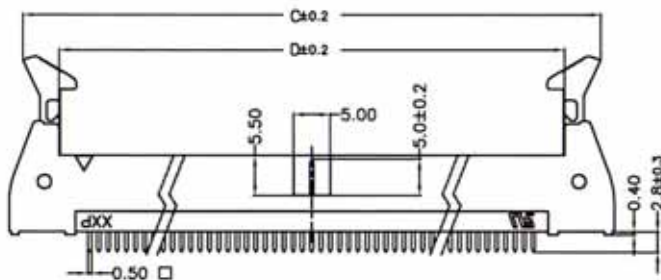
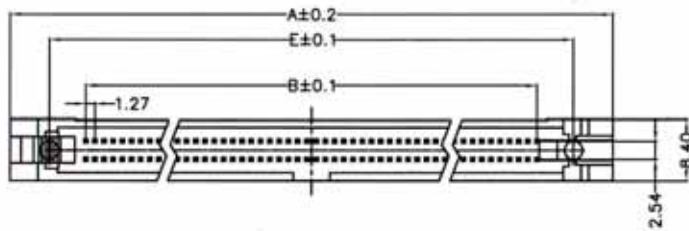
3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

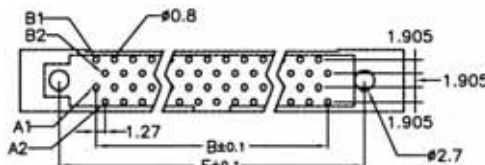
"G" FULL GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 2.54MM SHROUDED HEADER 2 TO 4 ROW STRAIGHT TYPE



Recommended P.C.Board Layout (26, 34, 50 Contacts)



Recommended P.C.Board Layout (20, 32, 40, 52, 60, 68, 80, 100 Contacts)

No. of Contacts	Dimensions(mm)				
	A	B±0.10	C	D	E
20	32.36	11.43	29.35	18.75	21.59
26	36.18	15.24	33.16	22.56	25.40
32	39.98	19.05	36.97	26.37	29.21
34	41.25	20.32	38.24	27.64	30.48
40	45.06	24.13	42.05	31.45	34.29
50	51.41	30.48	48.40	37.80	40.64
52	52.68	31.75	49.67	39.07	41.91
60	57.76	36.83	54.75	44.15	46.99
68	62.84	41.91	59.83	49.23	52.07
80	70.46	49.53	67.45	56.85	59.69
100	83.16	62.23	80.25	69.55	72.39

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

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: Brass

All materials must be RoHS compliant.

ORDERING INFORMATION:

P/N 1 2 7 xx - xx xx B
1 2 3

1. LEVER TYPE:

"SE" WITH LONG LEVERS

"XV" WITH SHORT LEVERS

"XW" WITHOUT LEVERS

2. NO. OF CONTACTS:

020, 026, 032, 034, 040, 050, 052, 060,

068, 080, 100

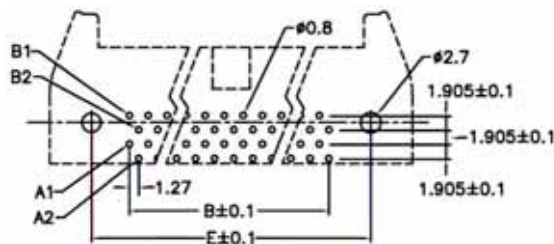
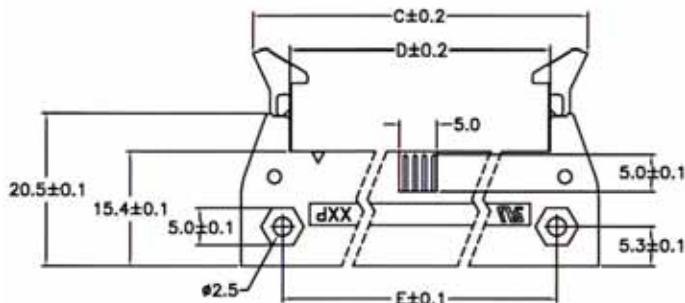
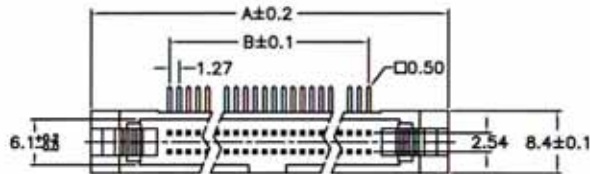
3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

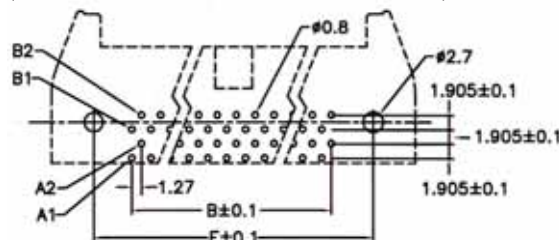
"G" FULL GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 2.54MM SHROUDED HEADER 2 TO 4 ROW RIGHT ANGLE TYPE



Recommended P.C.Board Layout
(20, 32, 40, 52, 60, 68, 80, 100 Contacts)



Recommended P.C.Board Layout
(26, 34, 50 Contacts)

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 5000 MΩ min.

Contact Resistance: 20mΩ Max.

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

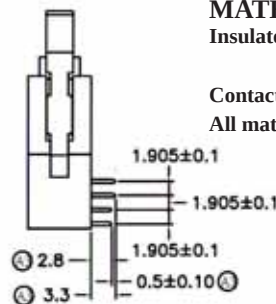
MATERIALS

Insulator: Glass, UL94V-0

P.B.T

Contacts: Brass

All materials must be RoHS compliant.



Long Lever



Short Lever

No. of Contacts	Dimensions(mm)				
	A	B±0.10	C	D	E
20	32.36	11.43	29.35	18.75	21.59
26	36.18	15.24	33.16	22.56	25.40
32	39.98	19.05	36.97	26.37	29.21
34	41.25	20.32	38.24	27.64	30.48
40	45.06	24.13	42.05	31.45	34.29
50	51.41	30.48	48.40	37.80	40.64
52	52.68	31.75	49.67	39.07	41.91
60	57.76	36.83	54.75	44.15	46.99
68	62.84	41.91	59.83	49.23	52.07
80	70.46	49.53	67.45	56.85	59.69
100	83.16	62.23	80.25	69.55	72.39

ORDERING INFORMATION:

P/N 1 2 7 $\frac{XX}{1} - \frac{XXX}{2} \frac{X}{3} B$

1. LEVER TYPE:

"SG" WITH LONG LEVERS

"XT" WITH SHORT LEVERS

"XU" WITHOUT LEVERS

2. NO. OF CONTACTS:

020, 026, 032, 034, 040, 050, 052, 060,
068, 080, 100

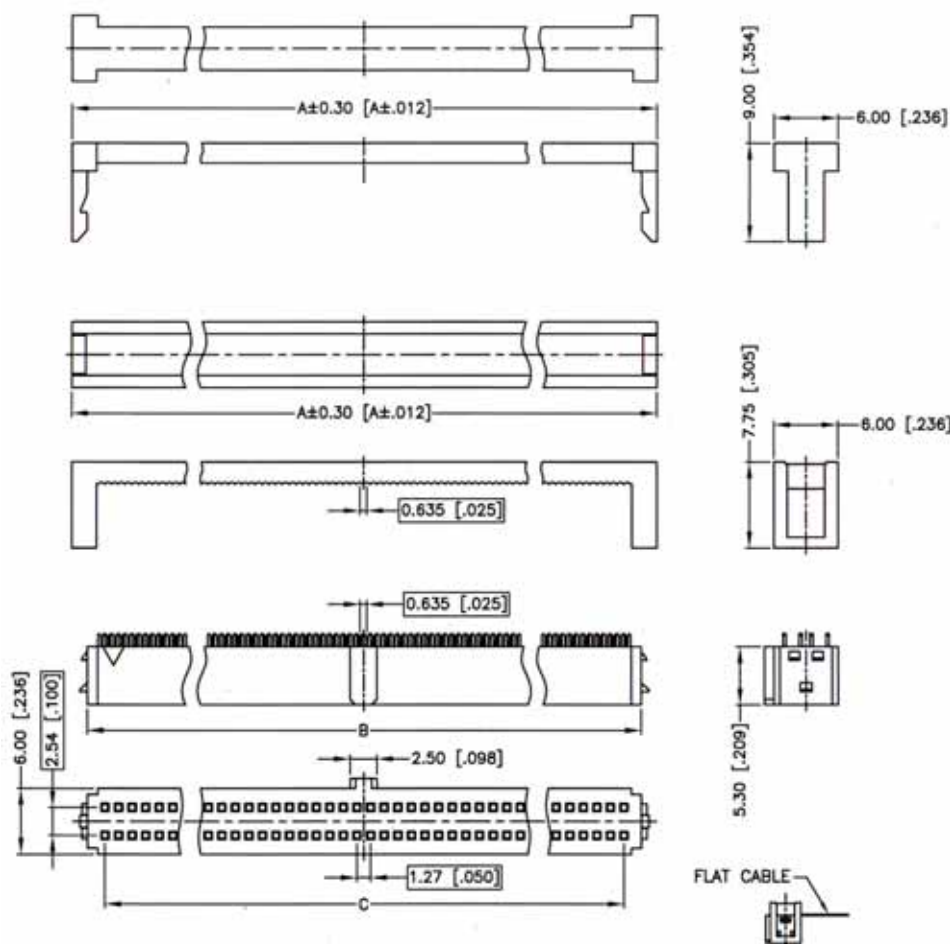
3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED (STANDARD)

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

1.27MM x 2.54MM IDC SOCKET FOR 0.635MM PITCH FLAT CABLE



SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstand: 500V AC
Insulator Resistance: 1000 M Ω min.
Contact Resistance: 30m Ω 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.

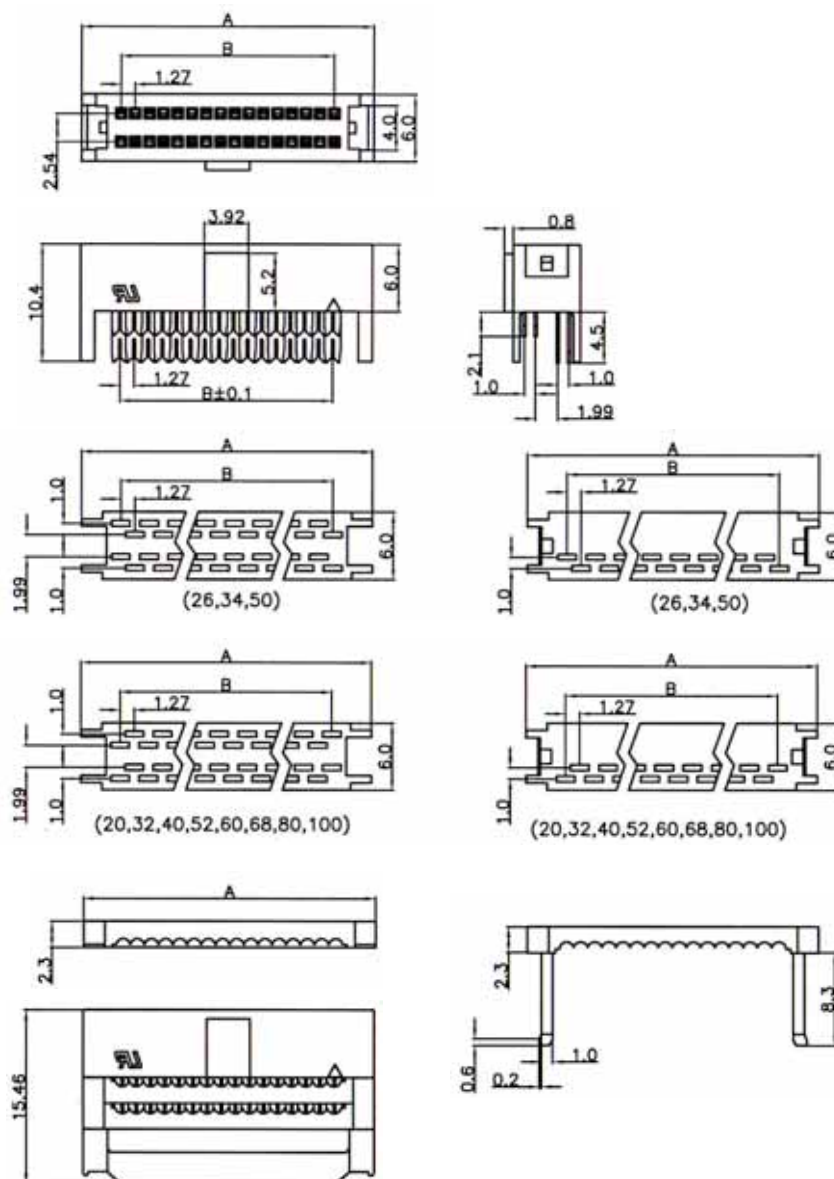
No. of Contacts	Dimensions(mm)		
	A	B	C
10	11.25	8.35	5.08
14	13.79	10.89	7.62
16	15.06	12.16	8.89
20	17.60	14.70	11.43
26	21.41	18.51	15.24
30	23.95	21.05	17.78
34	26.49	23.59	20.32
40	30.30	27.40	24.13
50	36.65	33.75	30.48
60	43.00	40.10	36.83
68	48.08	45.18	41.91
80	55.70	52.80	49.53
100	68.40	65.50	62.23

ORDERING INFORMATION:

P/N 1 2 7 xx - xx S B
1 2 3

1. STRAIN RELIEF OPTION:
"DA" W/O STRAIN RELIEF
"DB" WITH STRAIN RELIEF
2. NO. OF CONTACTS:
010, 014, 016, 020, 026, 030, 034, 040,
050, 060, 068, 080, 100
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED

1.27MM x 2.54MM IDC SOCKET FOR 1.27MM PITCH FLAT CABLE



SPECIFICATIONS

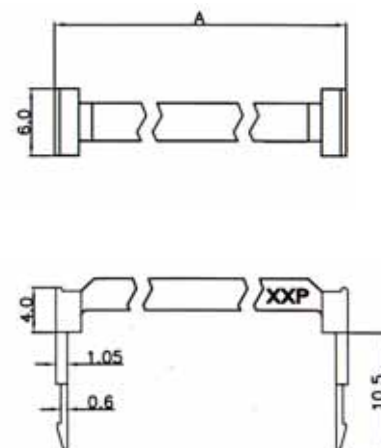
Current Rating: 1.0 Amp
Dielectric Withstand: 500V AC
Insulator Resistance: 5000 MΩ min.
Contact Resistance: 20mΩ Max.
Operating Temperature: -55°C to + 105°C

MATERIALS

Insulator: Glass, UL94V-0
 P.B.T
Contacts: Phosphor Bronze
 All materials must be RoHS compliant.

DIMENSIONS:

A = 1.27 x No. of Contacts/2 + 5.82
 B = 1.27 x No. of Contacts/2 - 1.27

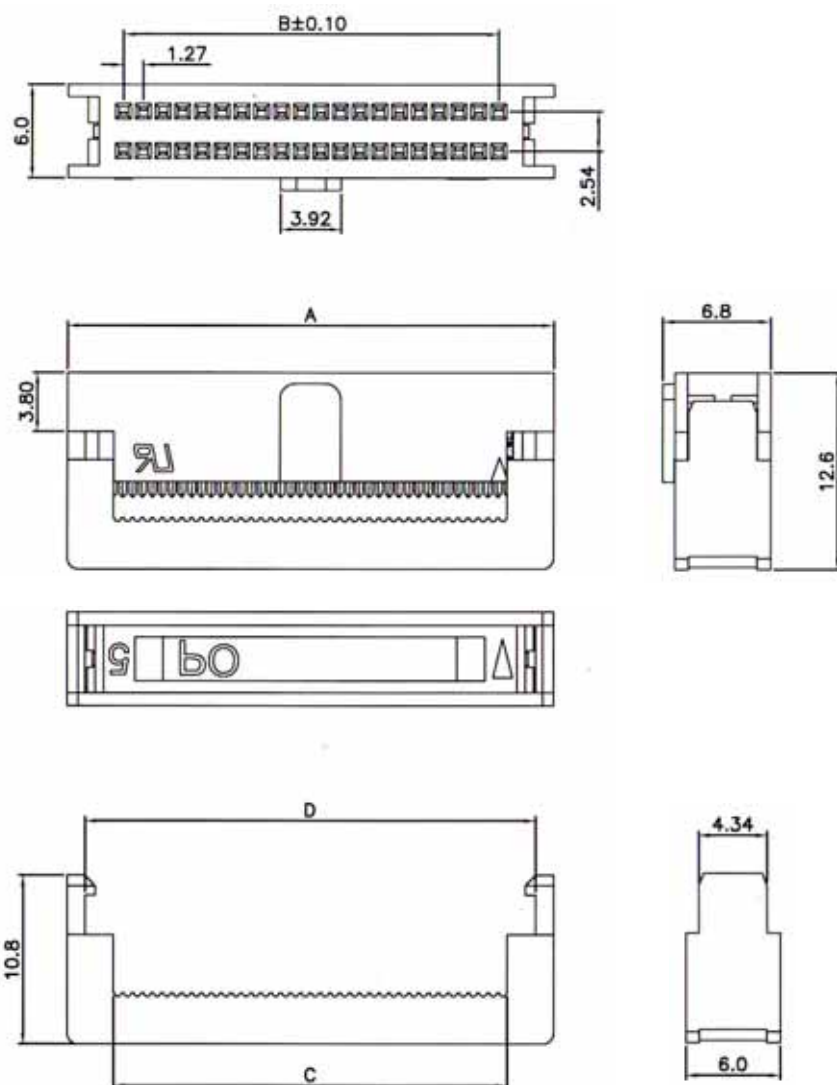


ORDERING INFORMATION:

P/N 1 2 7 D S - $\frac{x}{1} \frac{x}{2} \frac{G}{3} \frac{B}{3}$

1. NO. OF CONTACTS:
020, 026, 032, 034, 040, 050, 052, 060, 068, 080, 100
2. CONTACT FINISH:
"G" FULL GOLD PLATED
3. INSULATOR COLOR:
"B" BLACK

1.27MM x 2.54MM IDC SOCKET FOR 0.635MM PITCH FLAT CABLE



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.

No. of Contacts	Dimensions(mm)			
	A	B	C	D
20	18.55	11.43	12.60	16.25
26	22.36	15.24	16.41	20.06
32	26.17	19.05	20.22	23.87
34	27.44	20.32	21.49	25.14
40	31.25	24.13	25.30	28.95
50	37.60	30.48	31.65	35.30
52	38.87	31.75	32.92	36.57
60	43.95	36.83	38.00	41.65
68	49.03	41.91	43.08	46.73
80	56.65	49.53	50.70	54.35
100	69.35	62.23	63.40	67.05

ORDERING INFORMATION:

P/N 1 2 C 33 - x x x G B
1 2 3

1. CONNECTOR TYPE:

"C33" W/O STRAIN RELIEF

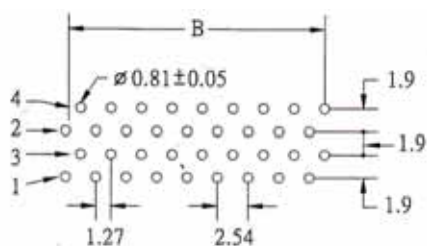
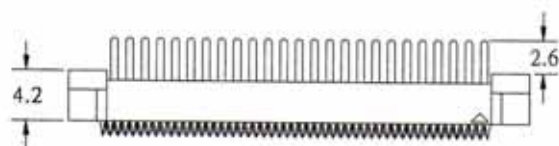
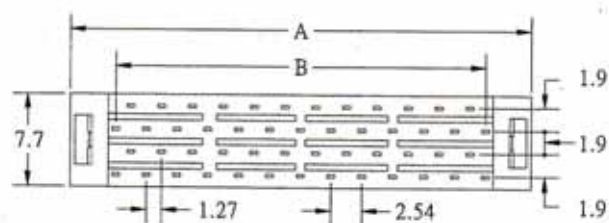
2. NO. OF CONTACTS:

020, 026, 032, 034, 040, 050, 052, 060,
068, 080, 100

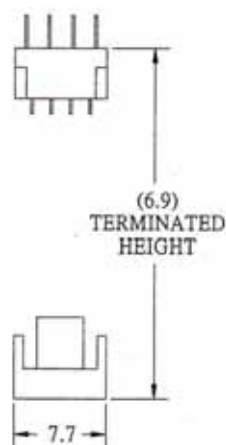
3. CONTACT FINISH:

"G" FULL GOLD PLATED

1.27MM x 2.54MM 4-ROW DIP PLUG FOR 0.635MM PITCH FLAT CABLE



Recommended P.C. Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 250V AC

Insulator Resistance: 1000 M Ω min.

Contact Resistance: 30m Ω 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
10	12.63	5.08
20	18.98	11.43
26	22.79	15.24
30	25.33	17.78
34	27.87	20.32
40	31.68	24.13
50	38.03	30.48
68	49.46	41.91
80	57.08	49.53
100	69.78	62.23

ORDERING INFORMATION:

P/N 1 2 7 D P - $\frac{x x x}{1} \frac{T}{2} B$

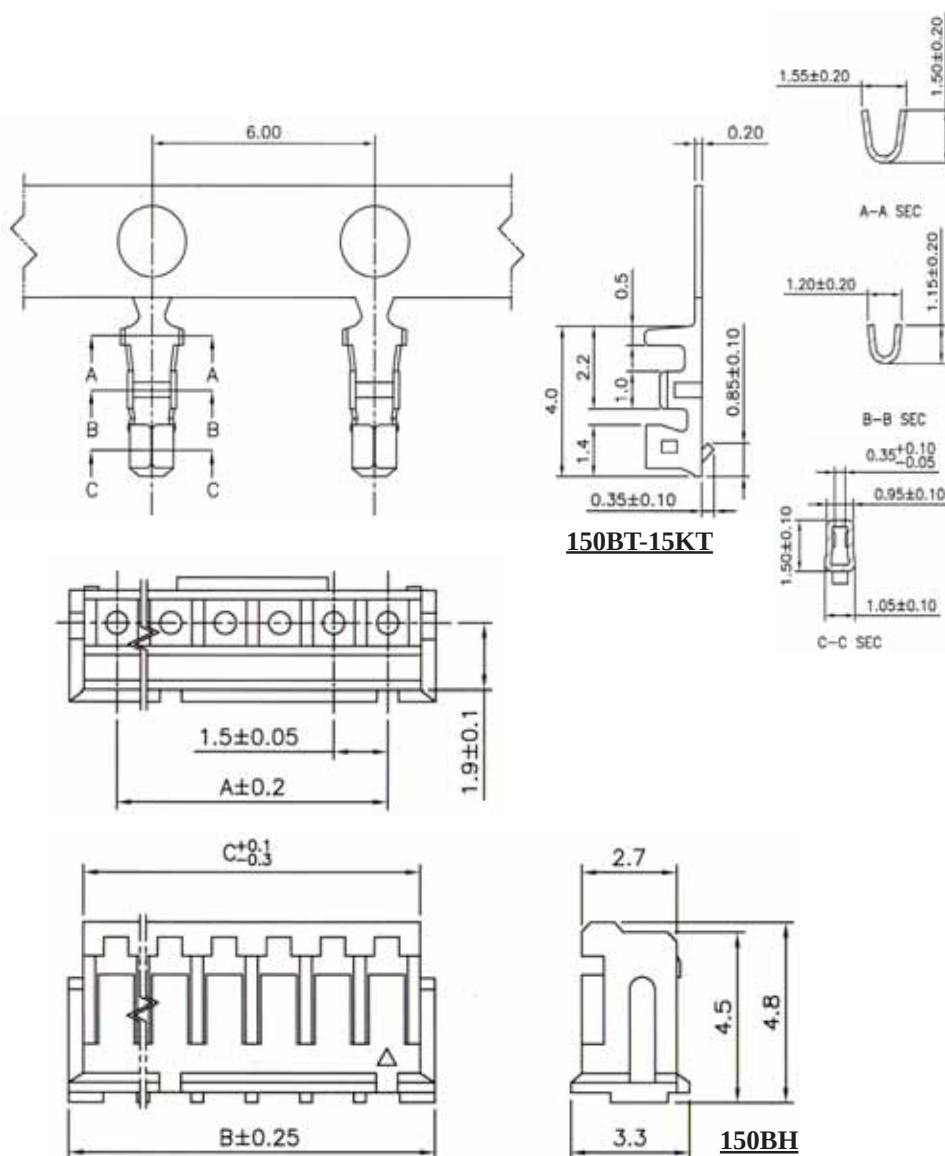
1. NO. OF CONTACTS:

010, 020, 026, 030, 040, 050, 068, 080, 100

2. CONTACT FINISH:

"T" FULL GIN PLATED

1.50MM(0.059") SPACING WIRE-TO-BOARD SYSTEM (A1)



TERMINAL

Applicable Wires: AWG# 28-32

Material: Phosphor Bronze

Finish: Tin Plated

Thickness: 0.2mm

HOUSING

Insulator: Nylon 66, UL94V-0

All materials must be RoHS compliant.

150BH

No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.50	4.50	3.40
03	3.00	6.00	4.90
04	4.50	7.50	6.40
05	6.00	9.00	7.90
06	7.50	10.50	9.40
07	9.00	12.00	10.90
08	10.50	13.50	12.40
09	12.00	15.00	13.90
10	13.50	16.50	15.40
11	15.00	18.00	16.90
12	16.50	19.50	18.40
13	18.00	21.00	19.90

ORDERING INFORMATION:

CRIMP TERMINAL:

P/N 150BT-15KT

PU= 15.000PCS/REEL

NOTE: ACCEPTS 150BH HOUSING

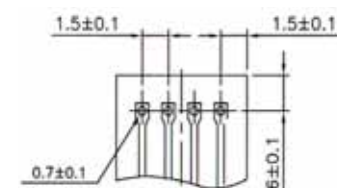
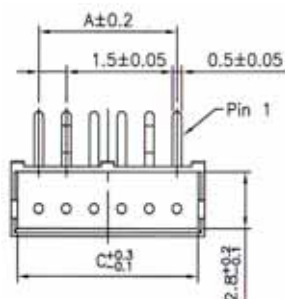
HOUSING:

P/N 150BH - $\frac{xxx}{1}$ HV

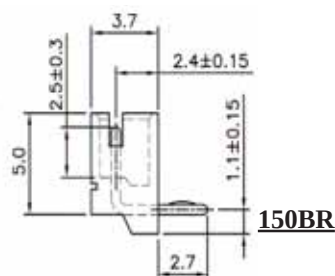
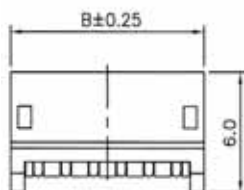
1. NO. OF CONTACTS:
002 through 013

NOTE: ACCEPTS 150BT TERMINAL

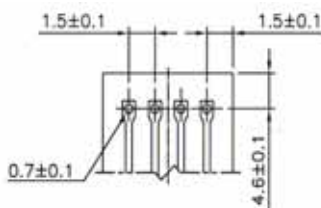
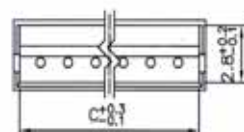
1.50MM(0.059") SPACING WIRE-TO-BOARD SYSTEM (A2)



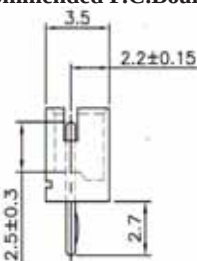
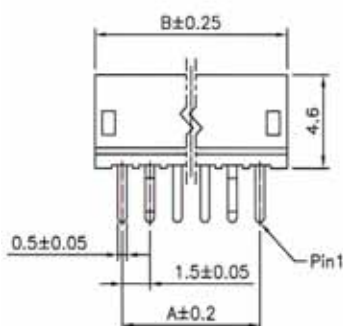
Recommended P.C.Board Layout



150BR



Recommended P.C.Board Layout



150BS

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to +85°C

MATERIALS

Insulator: UL94V-0

Nylon-66

Contacts: Brass

All materials must be RoHS compliant.

150BR/150BS

No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.50	4.50	3.50
03	3.00	6.00	5.00
04	4.50	7.50	6.50
05	6.00	9.00	8.00
06	7.50	10.50	9.50
07	9.00	12.00	11.00
08	10.50	13.50	12.50
09	12.00	15.00	14.00
10	13.50	16.50	15.50
11	15.00	18.00	17.00
12	16.50	19.50	18.50
13	18.00	21.00	20.00

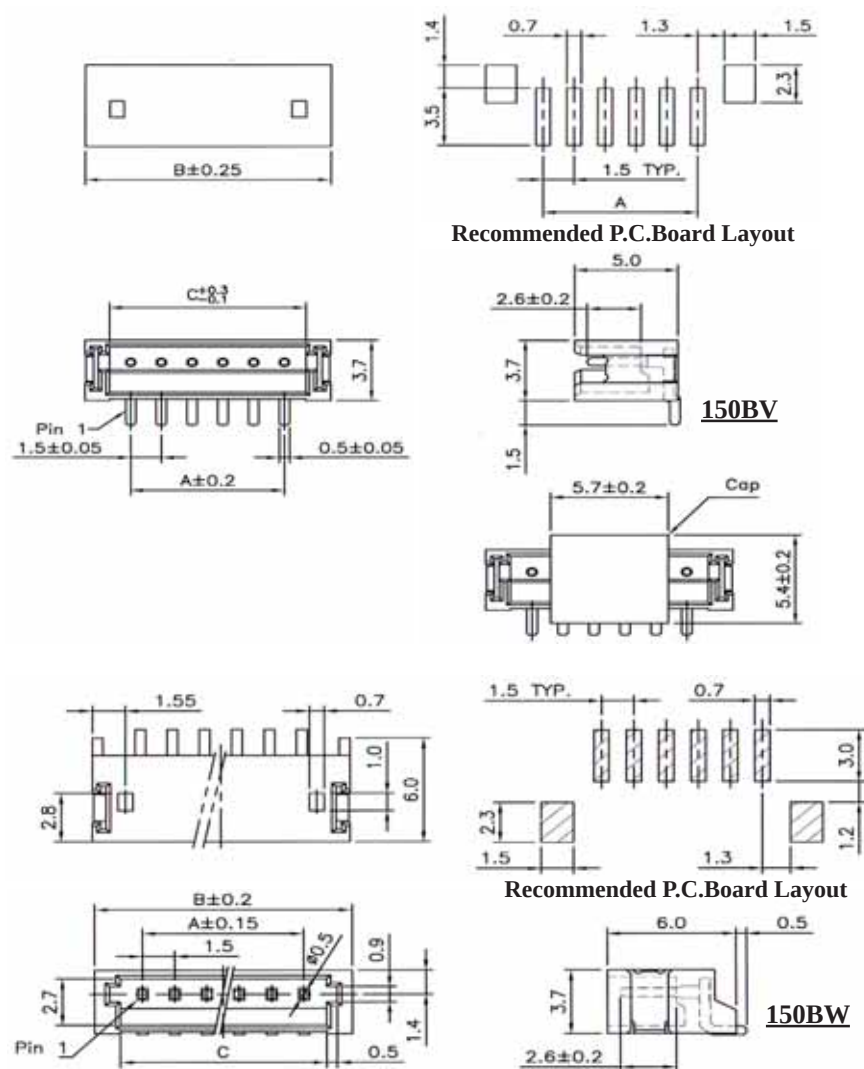
ORDERING INFORMATION:

P/N 150 xx - xxx T V
1 2

1. TERMINAL TYPE:
"BR" RIGHT ANGLE TYPE
"BS" STRAIGHT TYPE
2. NO. OF CONTACTS:
002 through 013

NOTE: MATES WITH 150BH HOUSING

1.50MM(0.059") SPACING WIRE-TO-BOARD SYSTEM (A3)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstand: 500V AC

Insulator Resistance: 500 MΩ min.

Contact Resistance: 20mΩ Max.

Operating Temperature: -25°C to +85°C

MATERIALS

Insulator: Thermoplastic, UL94V-0

Nylon-9T

Contacts: Copper Alloy

All materials must be RoHS compliant.

No. of Contacts	Dimensions(mm)		
	A	B	C
02	1.50	6.00	3.60
03	3.00	7.50	5.10
04	4.50	9.00	6.60
05	6.00	10.50	8.10
06	7.50	12.00	9.60
07	9.00	13.50	11.10
08	10.50	15.00	12.60
09	12.00	16.50	14.10
10	13.50	18.00	15.60
11	15.00	19.50	17.10
12	16.50	21.00	18.60
13	18.00	22.50	20.10

ORDERING INFORMATION:

P/N 150 $\frac{xx}{1}$ - $\frac{xxx}{2}$ TV - $\frac{x}{3}$

1. TERMINAL TYPE:

"BV" STRAIGHT SMT TYPE

"BW" RIGHT ANGLE SMT TYPE

2. NO. OF CONTACTS:

002 through 013

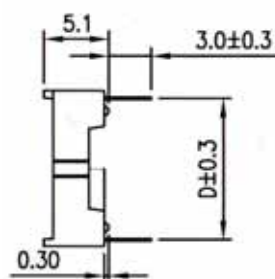
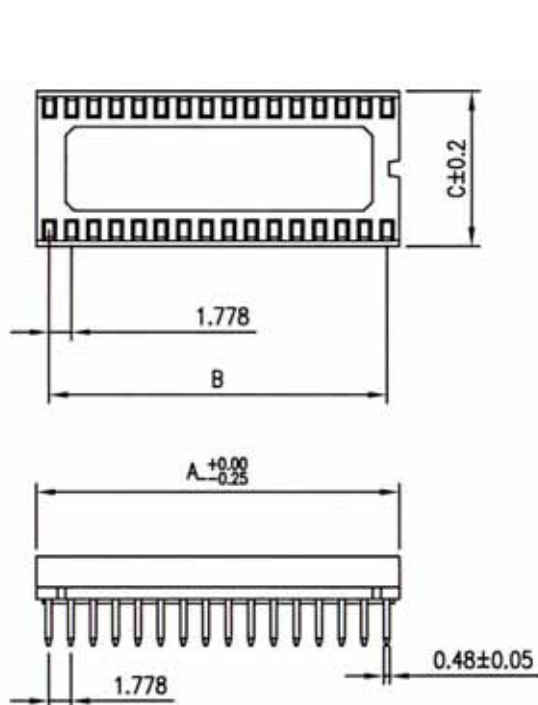
3. PACKAGE TYPE:

"Q" WITH PAD IN TAPE & REEL (FOR 150BV)

"R" W/O PAD IN TAPE & REEL (FOR 150BW)

NOTE: MATES WITH 150BH HOUSING

1.778MM(0.070") IC SOCKET WITH STAMPED CONTACTS



SPECIFICATIONS

Current Rating: 1.0 Amp
 Dielectric Withstand: 500V AC
 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.

No. of Contacts	Dimensions(mm)				CODE
	A	B	C	D	
16	14.22	12.45	10.16	7.62	CA
20	17.78	16.00	10.16		
22	19.56	17.78	10.16		
24	21.34	19.56	10.16		
24	21.62	19.56	12.65	10.16	CB
28	25.17	23.11	12.65		
30	26.95	24.89	12.65		
32	28.45	26.67	12.65		
40	35.84	33.78	17.73	15.24	CC
42	37.62	35.56	17.73		
48	42.95	40.89	17.73		
52	46.51	44.45	17.73		
54	48.01	46.23	17.73	19.05	CD
56	49.76	48.01	17.73		
64	57.18	55.12	21.54	19.05	CD

ORDERING INFORMATION:

P/N 1 7 8 $\frac{xx}{1}$ - $\frac{xxx}{2}$ $\frac{T}{3}$ $\frac{B}{4}$

1. DIMENSION B:

"CA" B= 7.62mm(0.300")
 "CB" B= 10.16mm(0.400")
 "CC" B= 15.24mm(0.600")
 "CD" B= 19.05mm(0.800")

2. NO. OF CONTACTS:

016, 020, 022, 024, 028, 030, 032, 040,
 042, 048, 052, 054, 056, 064

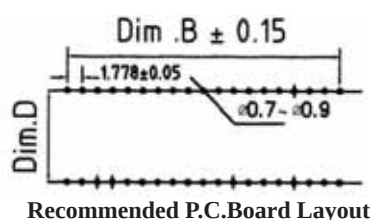
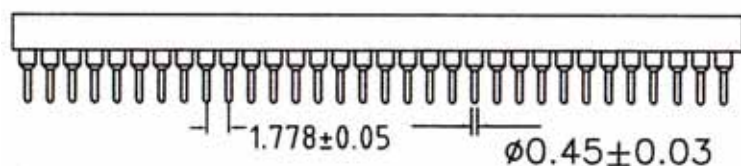
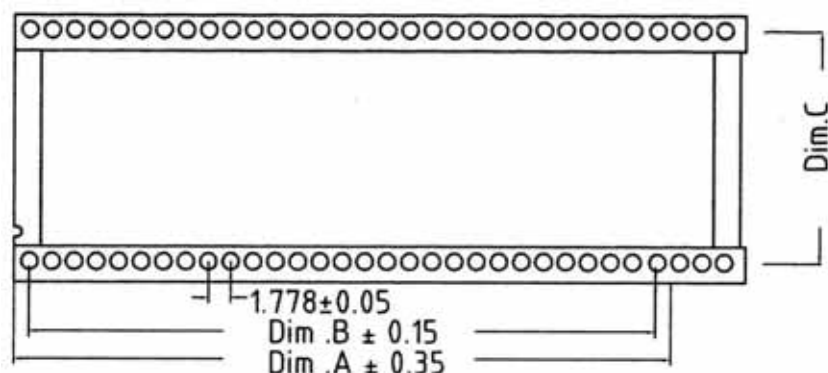
3. CONTACT FINISH:

"T" FULL TIN PLATED

4. INSULATOR COLOR:

"B" BLACK

1.778MM(0.070") IC SOCKET WITH SCREW MACHNIED CONTACTS



SPECIFICATIONS

Current Rating: 3.0 Amp

Dielectric Withstand: 60V AC

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 4mΩ Max.

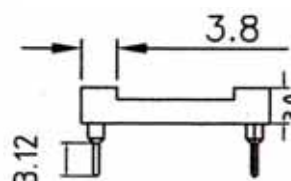
Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
P.B.T

Contacts: Copper Alloy

All materials must be RoHS compliant.



No. of Contacts	Dimensions(mm)				
	A	B	C	D	
20	18.280	16.00	12.65	10.16	178MB
24	21.836	19.56	12.65	10.16	
28	25.392	23.11	12.65	10.16	
32	28.948	26.67	12.65	10.16	
42	37.838	35.56	17.73	15.24	178MC
48	43.172	40.89	17.73	15.24	
52	46.728	44.45	17.73	15.24	
56	50.284	48.01	17.73	15.24	
64	57.396	55.12	17.73	15.24	178MD
64	57.396	55.12	21.54	19.05	

ORDERING INFORMATION:

P/N 1 7 8 $\frac{XX}{1}$ - $\frac{XXX}{2}$ $\frac{X}{3}$ B

1. SPACING OF ROWS:

"MB" D= 10.16mm (0.400")

"MC" D= 15.24mm (0.600")

"MD" D= 19.05mm (0.800")

2. NO. OF CONTACTS:

FOR 178MB: 020, 024, 028, 032

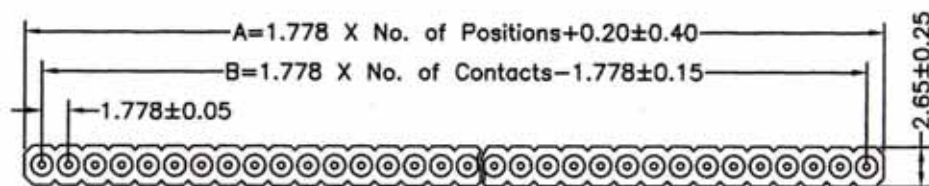
FOR 178MC: 042, 048, 052, 056, 064

FOR 178MD: 064

3. CONTACT FINISH:

"S" SELECTIVE GOLD PLATED

1.778MM(0.070") SIP SOCKET WITH SCREW MACHNIED CONTACTS

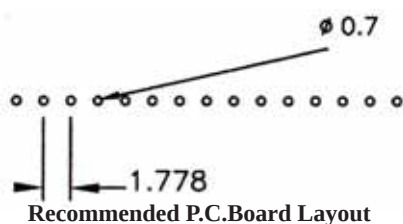
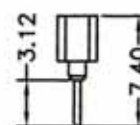
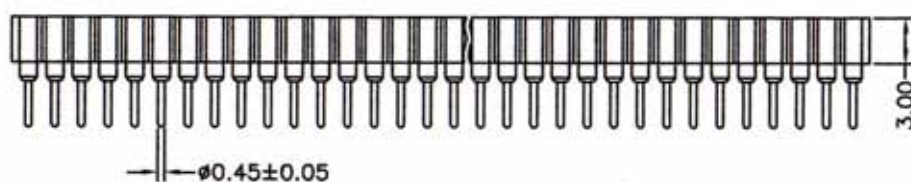


SPECIFICATIONS

Current Rating: 3.0 Amp
Dielectric Withstand: 60V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 4mΩ Max.
Operating Temperature: -40°C to + 105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 P.B.T
Contacts: Copper Alloy
 All materials must be RoHS compliant.

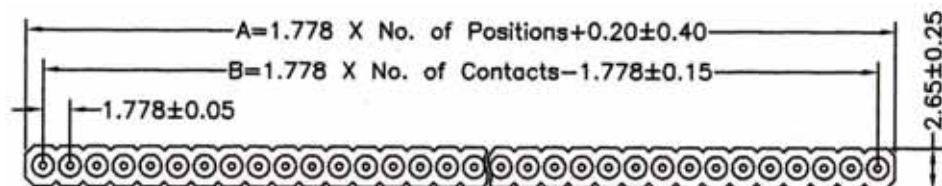


ORDERING INFORMATION:

P/N 1 7 8 M S - x x x x B

1. TERMINAL TYPE:
"MS" SINGLE ROW
2. NO. OF CONTACTS:
001 through 040
3. CONTACT FINISH:
"S" SELECTIVE GOLD PLATED

1.778MM(0.070") PIN HEADER WITH SCREW MACHNIED CONTACTS

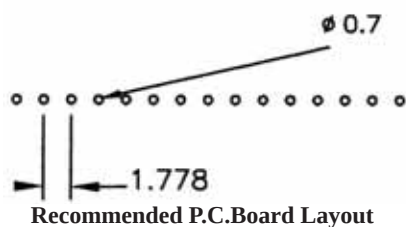
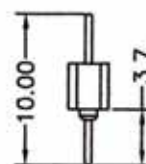
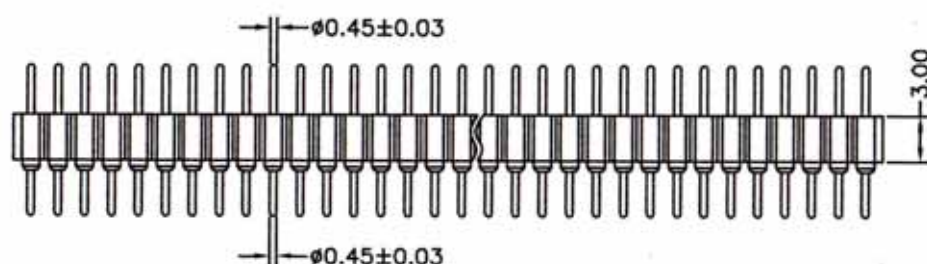


SPECIFICATIONS

Current Rating: 3.0 Amp
Dielectric Withstand: 60V AC
Insulator Resistance: 1000 MΩ min.
Contact Resistance: 4mΩ Max.
Operating Temperature: -40°C to +105°C

MATERIALS

Insulator: Thermoplastic, UL94V-0
 P.B.T
Contacts: Copper Alloy
All materials must be RoHS compliant.



ORDERING INFORMATION:

P/N 1 7 8 M P - x x x x B

1. TERMINAL TYPE:
"MP" SINGLE ROW
2. NO. OF CONTACTS:
001 through 040
3. CONTACT FINISH:
"G" FULL GOLD PLATED
"T" FULL TIN PLATED

INTERCONNESSIONI

CONNESSIONI D'INTERFACCIA

CONNETTORI LAN

COASSIALI

VIDEO - AUDIO

CAVI E CABLATI

CATALOGHI CONNESSIONI

PCB1



PCB2



CON



LAN



COAX



AV



CAV



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Fax 02.26.26.10.09

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