



CONNECTORS (1)

1.27MM(.050") SPACING D-SUB. CONNECTORS

1.27MM(.050") SPACING CENTRONIC CONNECTORS

D-SUBMINIATURE CONNECTORS

D-SUB. DUAL PORT CONNECTORS

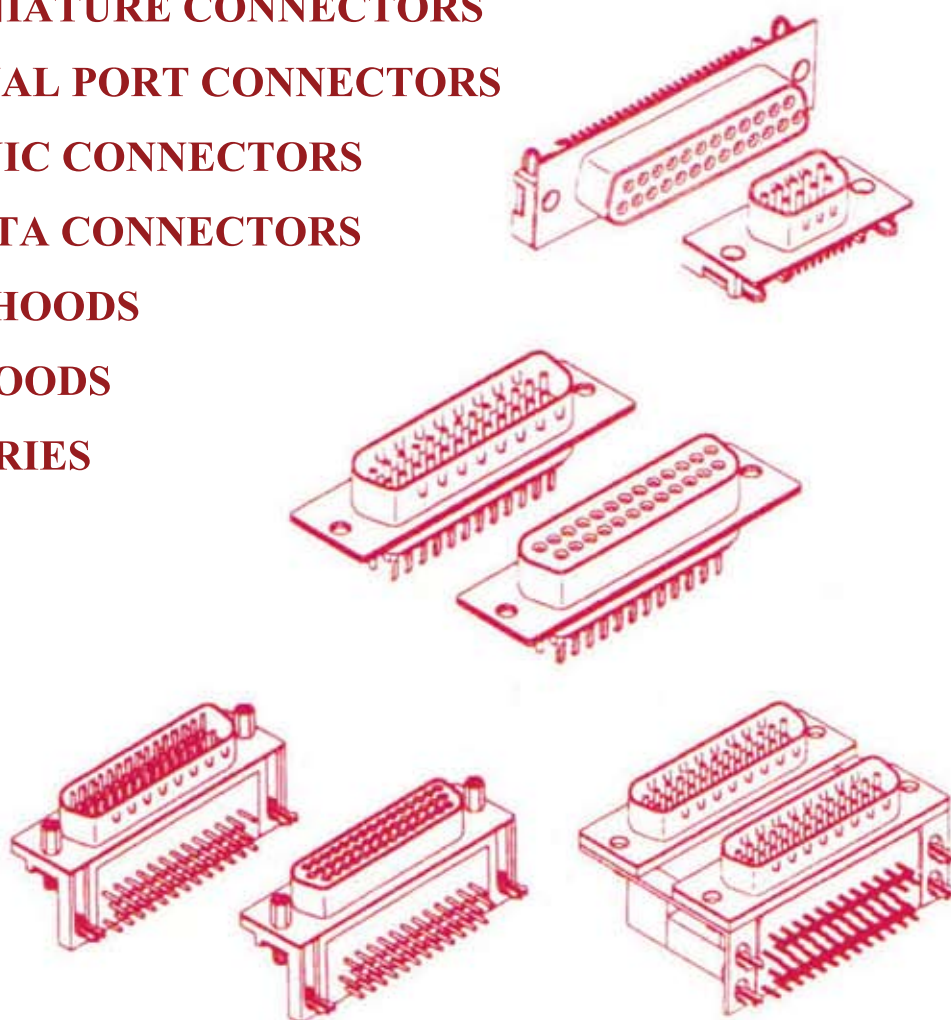
CENTRONIC CONNECTORS

SERIAL ATA CONNECTORS

PLASTIC HOODS

METAL HOODS

ACCESSORIES



CAT. CON-C-1

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CAT. CON-C-1 (INDEX 2)

DESCRIPTION

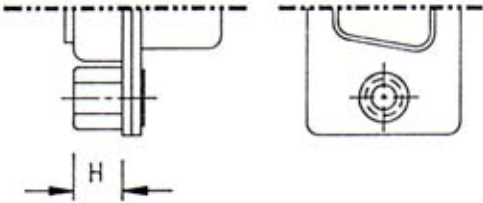
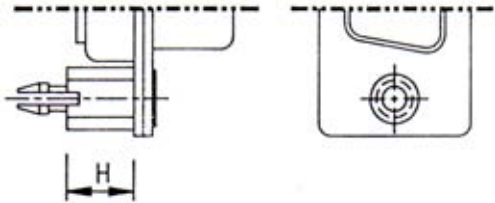
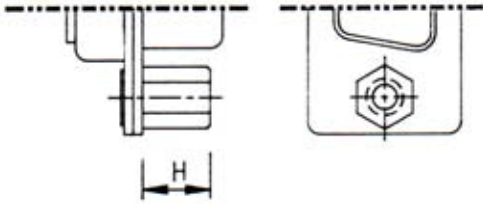
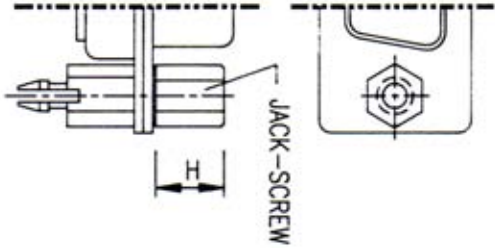
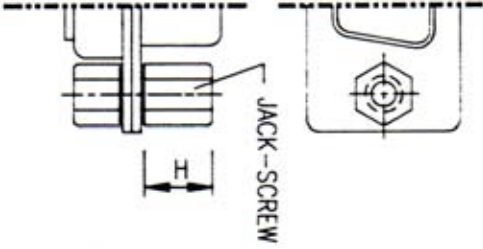
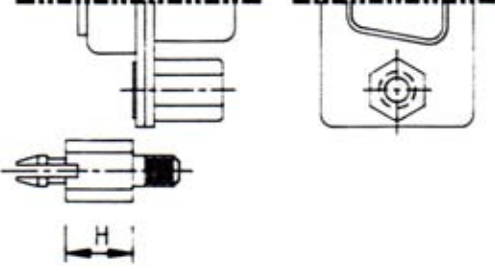
PAGE

ACCESSORIES

PLASTIC HOOD FOR D-SUB. & CENTRONIC CONNECTOR-----	C0971~C0976
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DUST COVER-----	C0989
METAL BRACKET FOR D-SUB. CONNECTOR-----	C0990~C0991
THUMBS SCREWS-----	C0992

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

MOUNTING OPTION FOR D-SUB. SOLDER, CRIMP & STRAIGHT PCB MOUNT TYPE

OPTION K (H= 4.0MM) OPTION K3 (H= 3.2MM) OPTION K6 (H= 5.8MM) WITH #4-40 THREADED RIVETED CLINCH NUTS 	OPTION BR WITH #4-40 THREADED RIVETED BRACKETS 
OPTION J (NON-THROUGH HOLE H= 5.8MM) OPTION J4 (H= 4.0MM) OPTION JT (THROUGH HOLE) WITH #4-40 THREADED FIXED JACK SCREWS (H= 5.8MM or 4.0MM) 	OPTION BRJ WITH #4-40 THREADED RIVETED BRACKET AND JACKSCREWS ASSEMBLED TO CONNECTOR 
OPTION KJ WITH #4-40 THREADED RIVETED CLINCH NUTS AND JACK SCREWS ASSEMBLED TO CONNECTOR 	OPTION JBR WITH #4-40 THREADED RIVETED NUTS AND BRACKETS ASSEMBLED TO CONNECTOR 

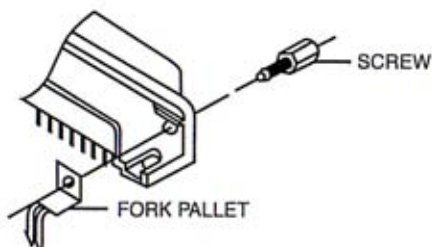
ORDERING INFORMATION:

1. FOR SOLDER TYPE: OPTION K, K3, K6, J, JT, KJ, J4
2. FOR CRIMP TYPE: OPTION J, JT, J4
3. FOR STRAIGHT PCB TYPE: ALL MOUNTING OPTIONS

MOUNTING OPTIONS FOR D-SUB. CONNECTOR RIGHT ANGLE TYPE

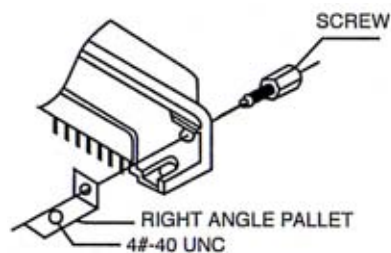
STANDARD (BLANK):

Boardlocks assembled by
#4-40UNC Hex Screw Bolts



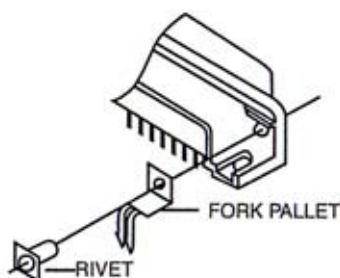
OPTION NA:

L-shape Tabs assembled by
#4-40UNC Hex Screw Bolts



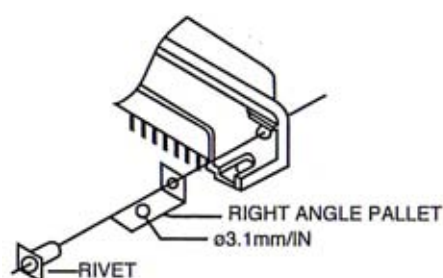
OPTION N:

Riveted Boardlocks
with #4-40UNC Open



OPTION NB:

Riveted L-shape Tabs
with #4-40UNC Open

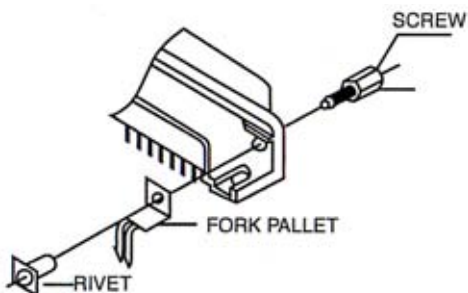


OPTION NJ:

Riveted Boardlocks with
Assembled #4-40UNC Hex Screw Bolts

OPTION NH:

Riveted Boardlocks with
Loose #4-40UNC Hex Screw Bolts

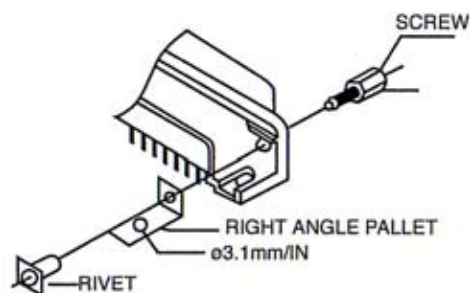


OPTION NK:

Riveted L-shape Tabs with
Assembled #4-40UNC Hex Screw Bolts

OPTION NL:

Riveted L-shape Tabs with
Loose #4-40UNC Hex Screw Bolts



ORDERING INFORMATION:

FOR EXAMPLE:

STANDARD: 5262-25TB

OPTION N: 5262-25TB/N

OPTION NH: 5262-25TB/NH

OPTION NJ: 5262-25TB/NJ

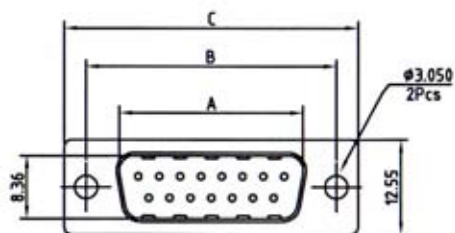
OPTION NA: 5262-25TB/NA

OPTION NB: 5262-25TB/NB

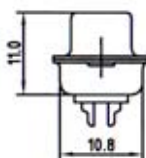
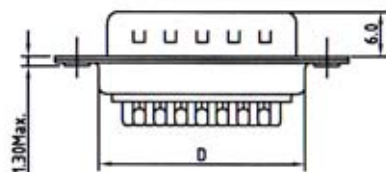
OPTION NL: 5262-25TB/NL

OPTION NK: 5262-25TB/NK

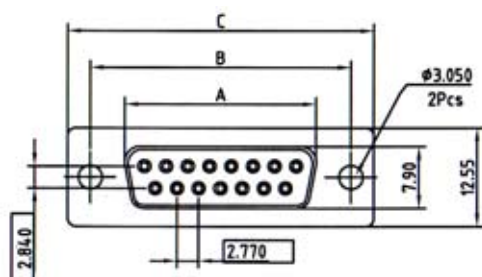
D-SUB. CONNECTOR SOLDER TYPE



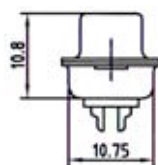
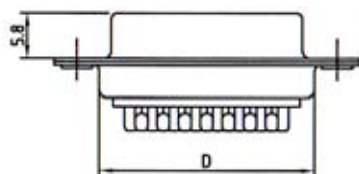
No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.92	24.99	30.81	19.23
15	25.25	33.32	39.14	27.56
25	38.96	47.04	53.04	41.28
37	55.42	63.50	69.32	57.33



5201



No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.33	24.99	30.81	19.23
15	24.66	33.32	39.14	27.56
25	38.38	47.04	53.04	41.28
37	54.84	63.50	69.32	57.33



5202

SPECIFICATIONS

Current Rating: 3A or 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

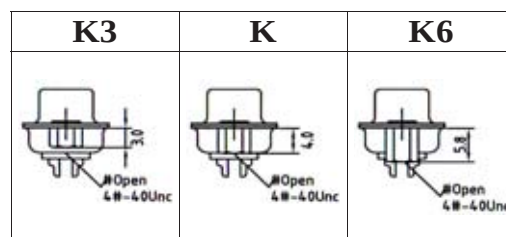
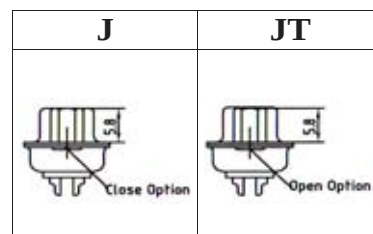
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

- "01" MALE WITH FULL GOLD PLATED STAMPED CONTACTS (3A)
- "02" FEMALE WITH FULL GOLD PLATED STAMPED CONTACTS (3A)
- "05" MALE WITH SELECTIVE GOLD PLATED STAMPED CONTACTS (3A)
- "06" FEMALE WITH SELECTIVE GOLD PLATED STAMPED CONTACTS (3A)
- "07" MALE WITH FULL GOLD PLATED MACHINED CONTACTS (5A)
- "08" FEMALE WITH FULL GOLD PLATED MACHINED CONTACTS (5A)

2. NO. OF CONTACTS:

09, 15, 25, 37, 50

3. SHELL FINISH:

"T" TIN PLATED

4. INSULATOR COLOR:

"W" WHITE (STANDARD)

"B" BLACK

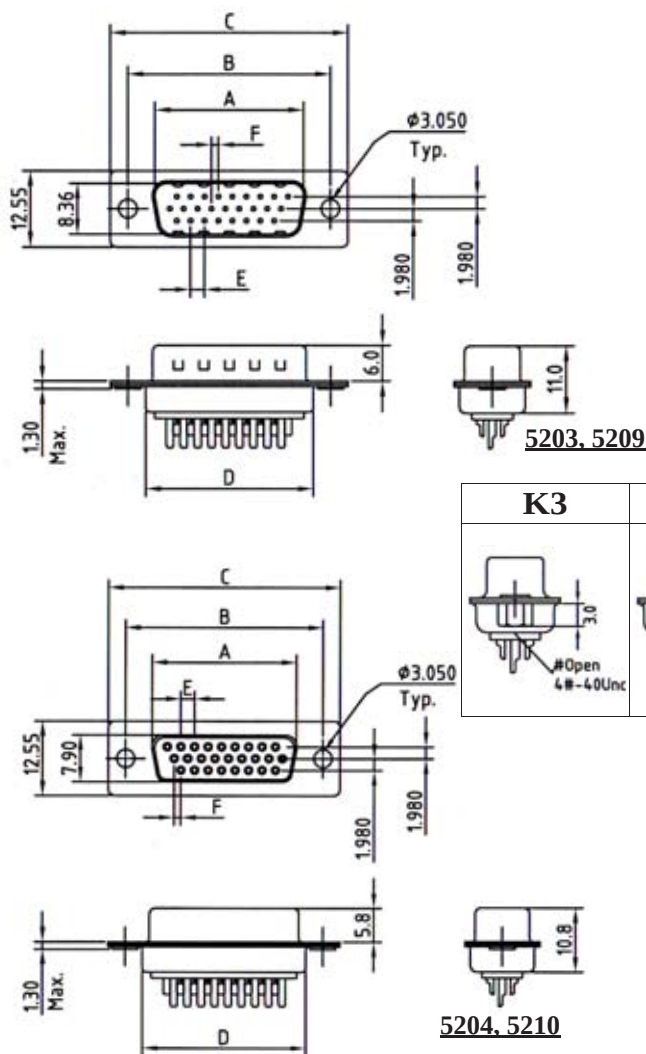
"U" BLUE

5. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

OTHERS: K, K3, K6, J, JT, J4

D-SUB. HIGH DENSITY CONNECTOR SOLDER TYPE



SPECIFICATIONS

Current Rating: 3A or 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

K3	K	K6	J	JT

5203, 5209

No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
15	16.92	24.99	30.81	19.23	2.29	1.145
26	25.25	33.32	39.14	27.56	2.29	1.145
44	38.96	47.04	53.04	41.28	2.29	1.145
62	55.42	63.50	69.32	57.33	2.41	1.205

5204, 5210

No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
15	16.33	24.99	30.81	19.23	2.29	1.145
26	24.66	33.32	39.14	27.56	2.29	1.145
44	38.38	47.04	53.04	41.28	2.29	1.145
62	54.84	63.50	69.32	57.33	2.41	1.205

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

- "03" MALE WITH FULL GOLD
PLATED STAMPED CONTACTS (3A)
- "04" FEMALE WITH FULL GOLD
PLATED STAMPED CONTACTS (3A)
- "09" MALE WITH SELECTIVE GOLD
PLATED STAMPED CONTACTS (3A)
- "10" FEMALE WITH SELECTIVE GOLD
PLATED STAMPED CONTACTS (3A)
- "87" MALE WITH FULL GOLD
PLATED MACHINED CONTACTS (5A)
- "88" FEMALE WITH FULL GOLD
PLATED MACHINED CONTACTS (5A)

2. NO. OF CONTACTS:

15, 26, 44, 62, 78

3. SHELL FINISH:

"T" TIN PLATED

4. INSULATOR COLOR:

"W" WHITE (STANDARD)

"B" BLACK

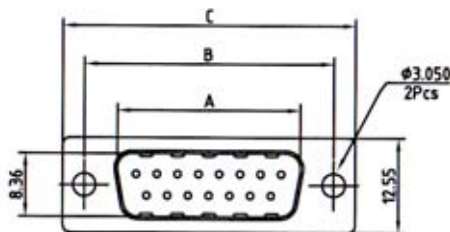
"U" BLUE

5. MOUNTING OPTION:

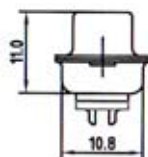
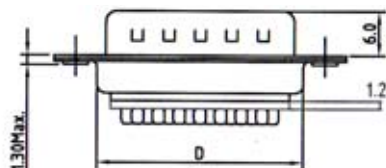
" " Ø3.05MM THROUGH HOLES

OTHERS: K, K3, K6, J, JT, J4

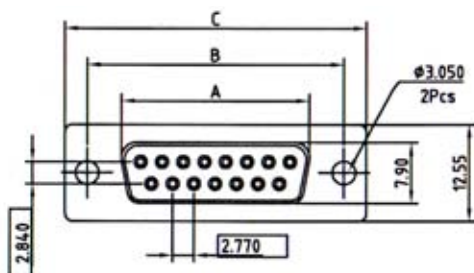
D-SUB. CONNECTOR SOLDER TYPE WITH FERRITE (EMI)



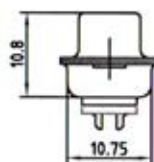
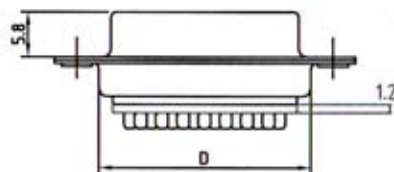
No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.92	24.99	30.81	19.23
15	25.25	33.32	39.14	27.56
25	38.96	47.04	53.04	41.28
37	55.42	63.50	69.32	57.33



5291F



No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.33	24.99	30.81	19.23
15	24.66	33.32	39.14	27.56
25	38.38	47.04	53.04	41.28
37	54.84	63.50	69.32	57.33



5292F

SPECIFICATIONS

Current Rating: 3A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

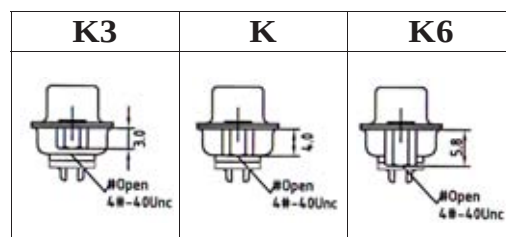
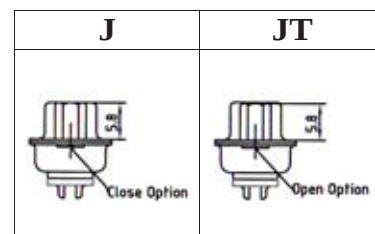
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

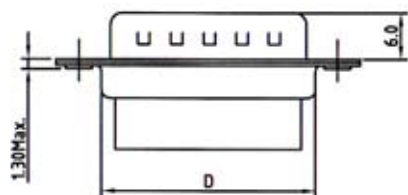
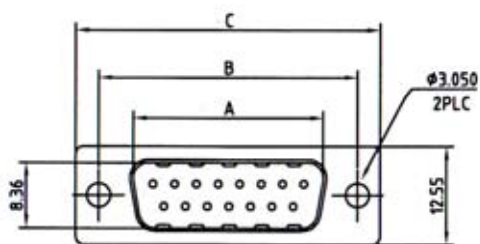


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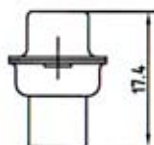
P/N 5 2 $\frac{xx}{1}$ F - $\frac{xx}{2}$ T B / $\frac{xx}{3}$

- CONNECTOR TYPE:
"91" MALE
"92" FEMALE
- NO. OF CONTACTS:
09, 15, 25, 37
- MOUNTING OPTION:
" " Ø3.05MM THROUGH HOLES
OTHERS: K, K3, K6, J, JT, J4

D-SUB. CONNECTOR CRIMP TYPE TERMINAL & HOUSING



No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.92	24.99	30.81	19.23
15	25.25	33.32	39.14	27.56
25	38.96	47.04	53.04	41.28
37	55.42	63.50	69.32	57.33



5221

SPECIFICATIONS

Current Rating: 3A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

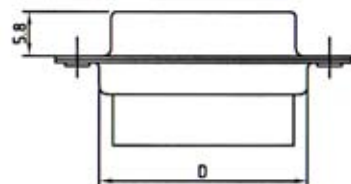
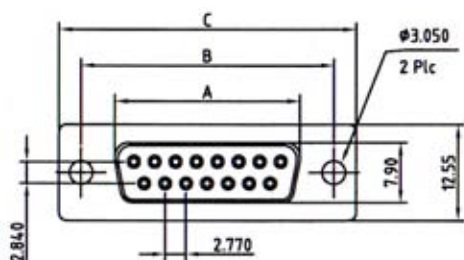
Contact: Brass

Shell: Brass, Steel

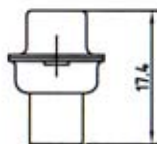
Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

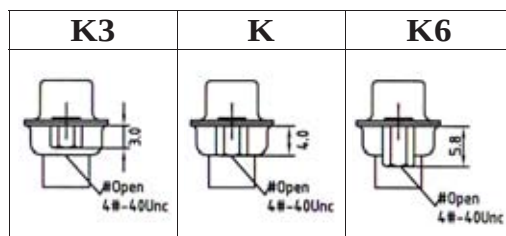
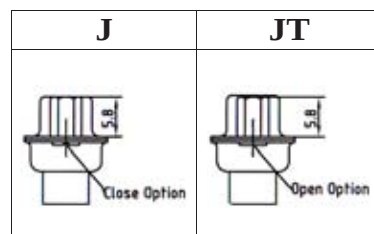
***RoHS & REACH compliant.**



No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.33	24.99	30.81	19.23
15	24.66	33.32	39.14	27.56
25	38.38	47.04	53.04	41.28
37	54.84	63.50	69.32	57.33



5222



ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"21" MALE

"22" FEMALE

2. NO. OF CONTACTS:

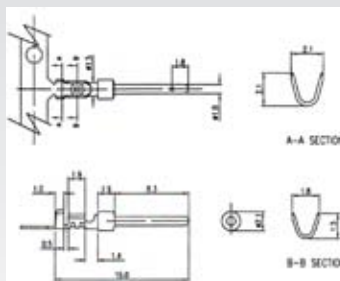
09, 15, 25, 37, 50

3. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

OTHERS: K, K3, K6, J, JT, J4

NOTE: CRIMPING TOOL P/N HT-213
INSERTION & EXTRACTION
TOOL P/N HT-101



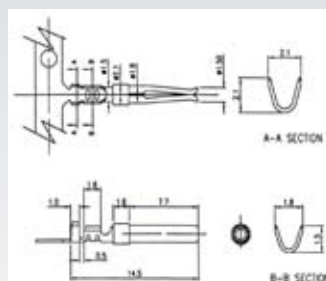
MALE TERMINAL:

5221-01 (per piece)

5221-0.5K (500pcs/Reel)

5221-10K (10000pcs/Reel)

FOR AWG24-26



FEMALE TERMINAL:

5222-01 (per piece)

5222-0.5K (500pcs/Reel)

5222-10K (10000pcs/Reel)

FOR AWG24-26

NOTE: P/N 5221-xxx/2024 & 5222-xxx/2024
FOR AWG20~24

D-SUB. 9 PIN FEMALE CONNECTOR SET CRIMP & ASSEMBLY TYPE

SPECIFICATIONS

Rating: 100V AC Max or 12V DC 2A Max

Insulation Resistance: 500M OHMS Min at 250V DC

Withstanding: 250V AC at 1 Minute

MATERIALS

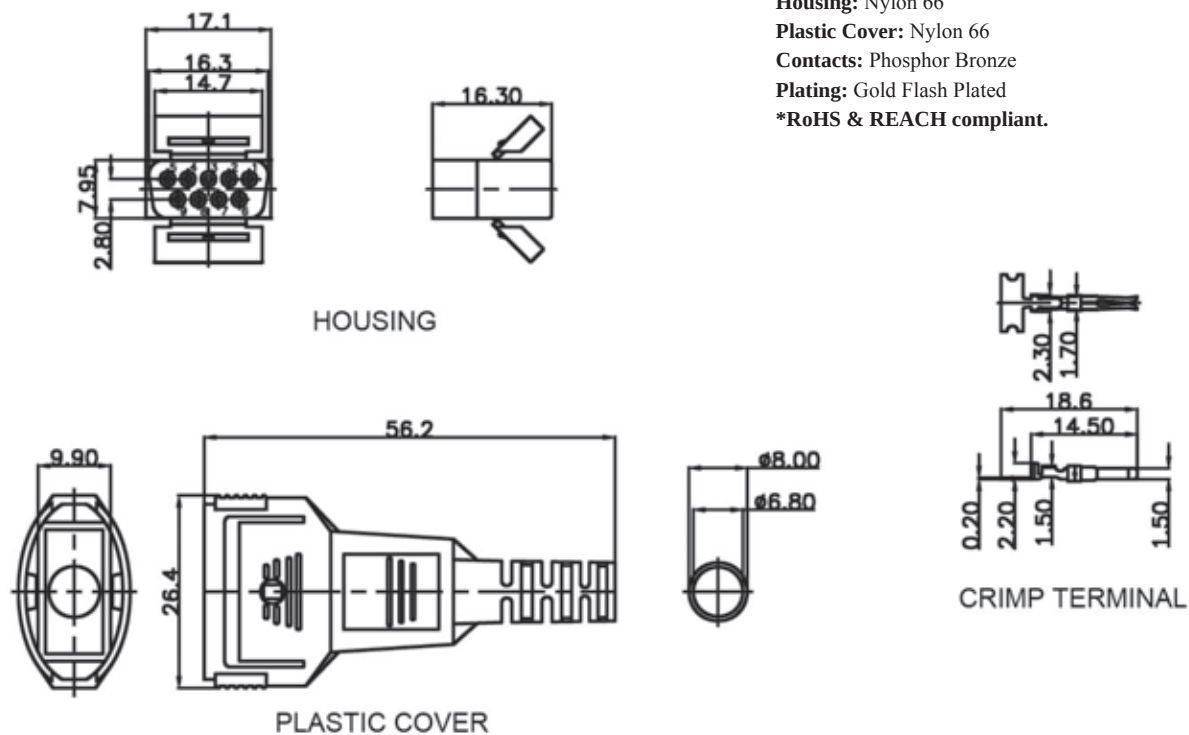
Housing: Nylon 66

Plastic Cover: Nylon 66

Contacts: Phosphor Bronze

Plating: Gold Flash Plated

***RoHS & REACH compliant.**

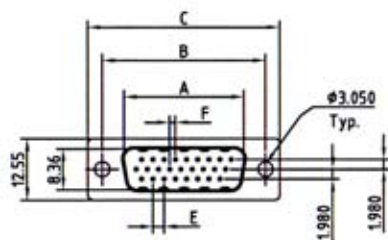


ORDERING INFORMATION:

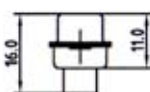
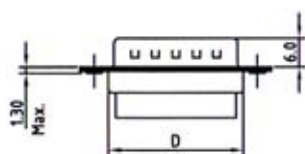
P/N 5 2 2 2 - 0 9 A S S Y

ONE SET INCLUDING ONE 9 PIN BLACK FEMALE HOUSING,
9 PCS CRIMP TERMINALS & ONE BLACK PLASTIC COVER

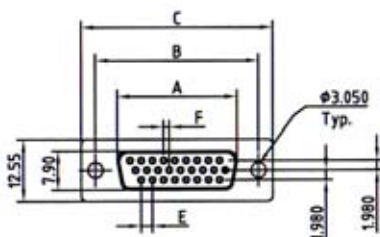
D-SUB. HIGH DENSITY CONNECTOR CRIMP TYPE TERMINAL & HOUSING



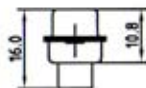
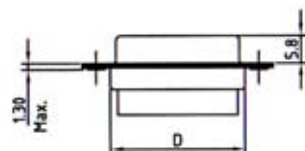
No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
15	16.92	24.99	30.81	19.23	2.29	1.145
26	25.25	33.32	39.14	27.56	2.29	1.145
44	38.96	47.04	53.04	41.28	2.29	1.145
62	55.42	63.50	69.32	57.33	2.41	1.205



5223



No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
09	16.33	24.99	30.81	19.23	2.29	1.145
15	24.66	33.32	39.14	27.56	2.29	1.145
25	38.38	47.04	53.04	41.28	2.29	1.145
37	54.84	63.50	69.32	57.33	2.41	1.205



5224

SPECIFICATIONS

Current Rating: 3A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

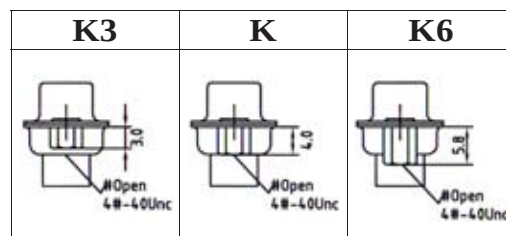
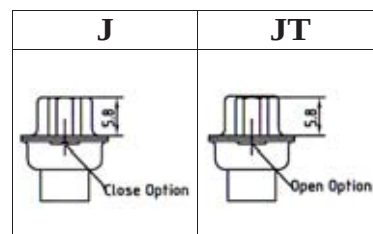
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"23" MALE

"24" FEMALE

2. NO. OF CONTACTS:

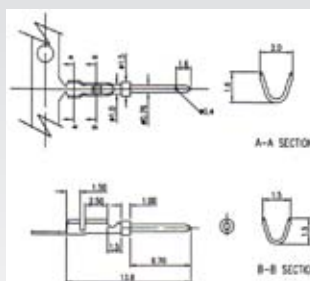
15, 26, 44, 62, 78

3. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

OTHERS: K, K3, K6, J, JT

NOTE: CRIMPING TOOL P/N HT-213
INSERTION & EXTRACTION
TOOL P/N HT-101



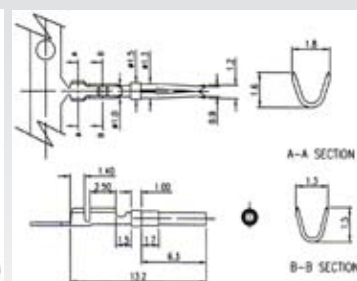
MALE TERMINAL:

5223-01 (per piece)

5223-0.5K (500pcs/Reel)

5223-10K (10000pcs/Reel)

FOR AWG26-28



FEMALE TERMINAL:

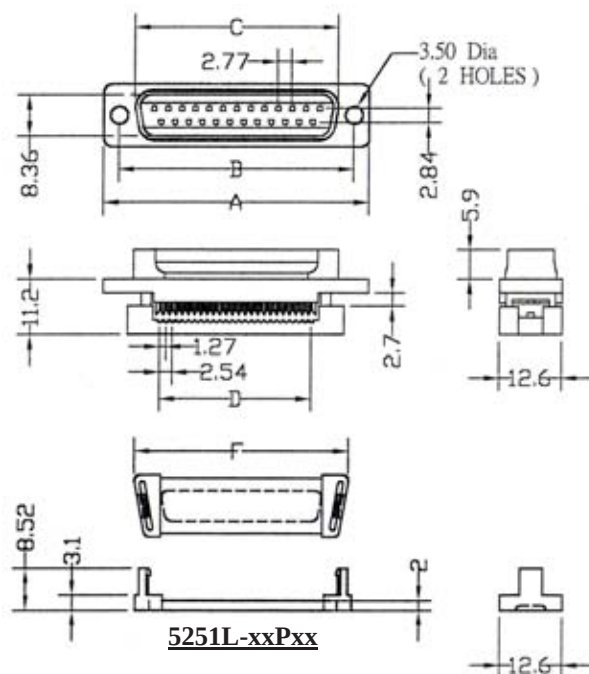
5224-01 (per piece)

5224-0.5K (500pcs/Reel)

5224-10K (10000pcs/Reel)

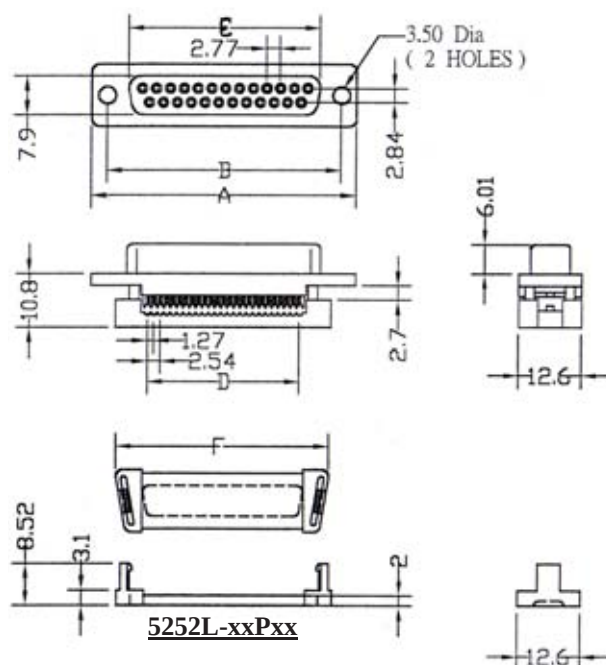
FOR AWG26-28

LOW PROFILE D-SUB. CONNECTOR ALL PLASTIC I.D.C. TYPE



5251L-xxPxx

No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
09	30.89	24.99	16.92	10.16	16.33	21.78
15	39.14	33.32	25.25	17.78	24.66	29.62
25	53.09	47.04	38.96	30.48	38.38	43.35
37	69.39	63.50	55.45	45.72	54.84	59.92



5252L-xxPxx

SPECIFICATIONS

Current Rating: 3A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N 5 2 $\frac{xx}{1}$ L - $\frac{xx}{2}$ P $\frac{xx}{3}$ $\frac{xx}{4}$

1. CONNECTOR TYPE:

"51" MALE

"52" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. INSULATOR COLOR:

"B" BLACK (STANDARD)

"U" BLUE (STANDARD)

"A" GRAY (OPTIONAL)

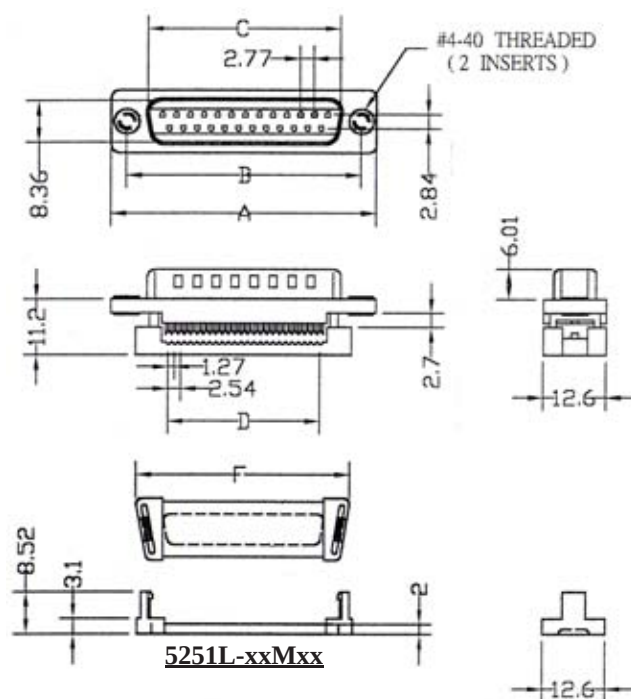
"N" DARK GREEN (OPTIONAL)

"R" DARK RED (OPTIONAL)

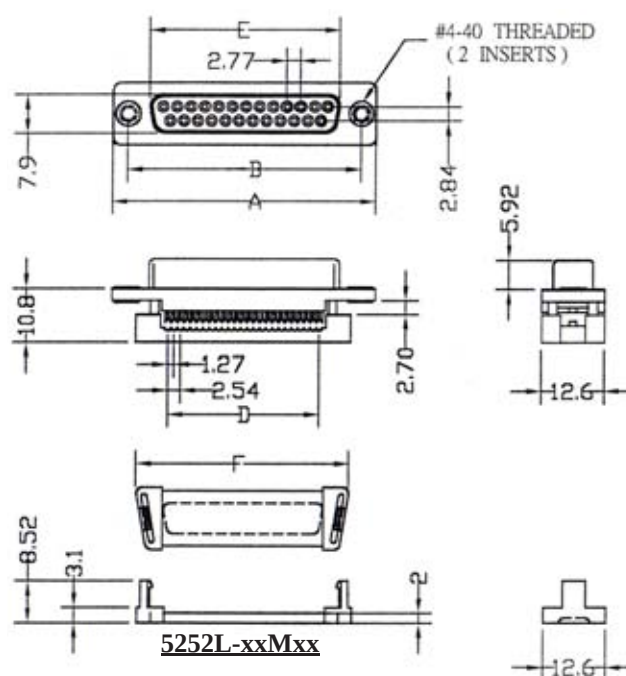
4. MOUNTING TYPE:

"0" Ø3.50MM THROUGH HOLES

LOW PROFILE D-SUB. CONNECTOR I.D.C. TYPE WITH METAL SHELL & THREADED INSERTS



No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
09	30.89	24.99	16.92	10.16	16.33	21.78
15	39.14	33.32	25.25	17.78	24.66	29.62
25	53.09	47.04	38.96	30.48	38.38	43.35
37	69.39	63.50	55.45	45.72	54.84	59.92



SPECIFICATIONS

Current Rating: 3A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N 5 2 $\frac{xx}{1}$ L - $\frac{xx}{2}$ M $\frac{xx}{3}$ $\frac{xx}{4}$

1. CONNECTOR TYPE:

"51" MALE

"52" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. INSULATOR COLOR:

"B" BLACK (STANDARD)

"U" BLUE (STANDARD)

"A" GRAY (OPTIONAL)

"N" DARK GREEN (OPTIONAL)

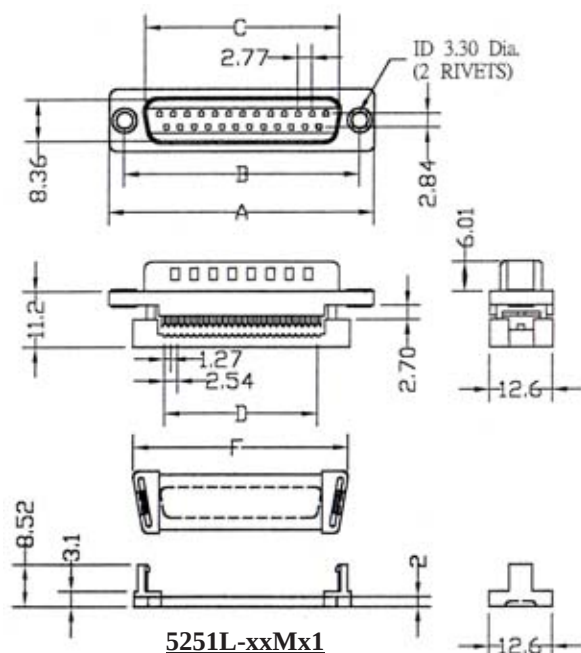
"R" DARK RED (OPTIONAL)

4. MOUNTING TYPE:

"N" UNC4-40 THREADED INSERTS

"3" M3*0.5 THREADED INSERTS

LOW PROFILE D-SUB. CONNECTOR I.D.C. TYPE WITH METAL SHELL & THROUGH HOLES



No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
09	30.89	24.99	16.92	10.16	16.33	21.78
15	39.14	33.32	25.25	17.78	24.66	29.62
25	53.09	47.04	38.96	30.48	38.38	43.35
37	69.39	63.50	55.45	45.72	54.84	59.92

SPECIFICATIONS

Current Rating: 3.0 Ampere

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

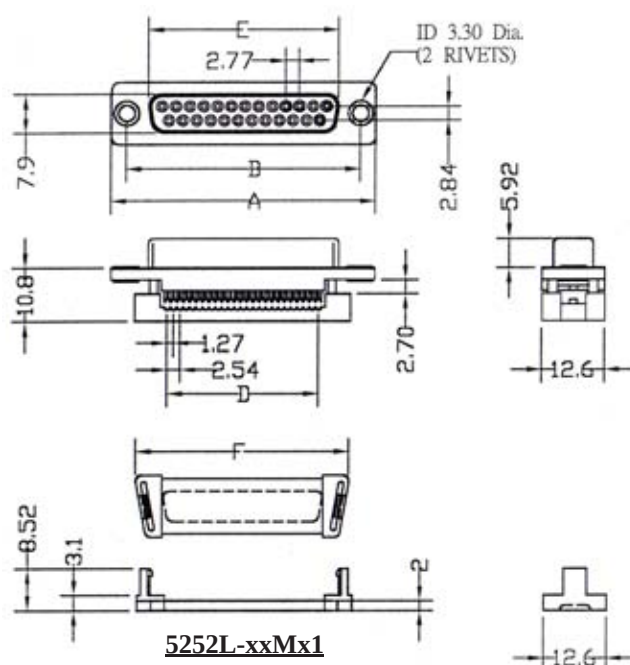
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N 5 2 $\frac{xx}{1}$ L - $\frac{xx}{2}$ M $\frac{x}{3}$ $\frac{1}{4}$

1. CONNECTOR TYPE:

"51" MALE

"52" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. INSULATOR COLOR:

"B" BLACK (STANDARD)

"U" BLUE (STANDARD)

"A" GRAY (OPTIONAL)

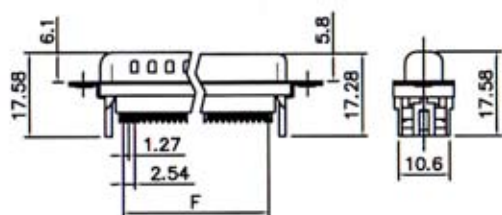
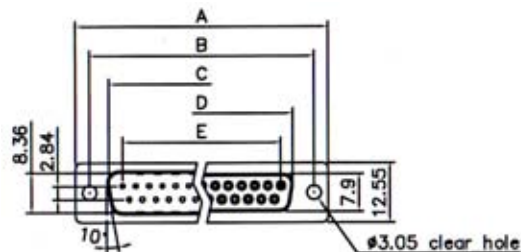
"N" DARK GREEN (OPTIONAL)

"R" DARK RED (OPTIONAL)

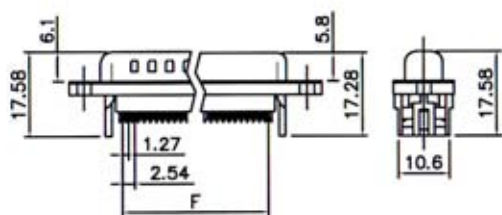
4. MOUNTING TYPE:

"1" Ø3.30MM RIVETED THROUGH HOLES

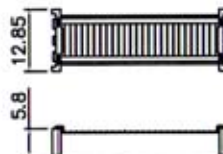
D-SUB. CONNECTOR I.D.C. TYPE FOR FLAT CABLE ASSEMBLY



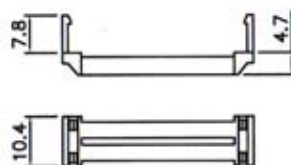
Without Insulator Support "0"



With Insulator Support "3" & "4"



Cover



Strain Relief

SPECIFICATIONS

Current Rating: 3.0 Ampere

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
09	30.81	24.99	16.92	16.33	11.08	10.16
15	39.14	33.32	25.50	24.66	19.39	17.78
25	53.04	47.04	38.96	38.38	33.24	30.48
37	69.32	63.50	55.42	54.84	49.86	45.72

ORDERING INFORMATION:

P/N 5 2 $\frac{xx}{1}$ - $\frac{xxxxx}{2 \ 3 \ 4 \ 5}$

1. CONNECTOR TYPE:

"97" MALE

"98" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. SHELL TYPE:

"P" ALL PLASTIC TYPE

"M" METAL SHELL TYPE

4. INSULATOR COLOR:

"B" BLACK (STANDARD)

"U" BLUE

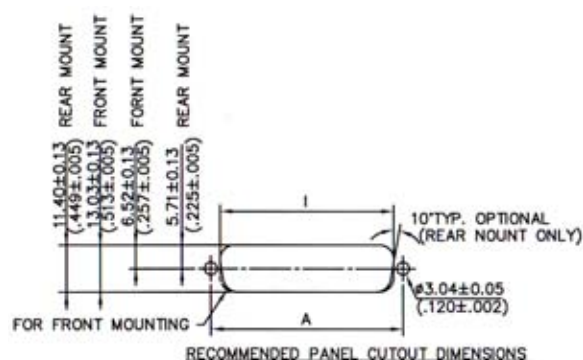
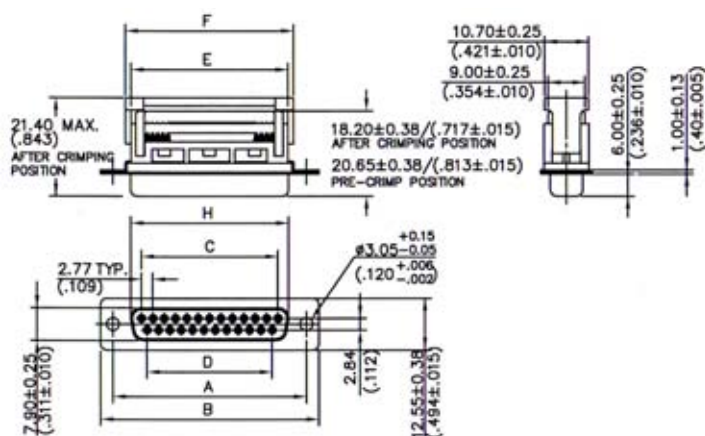
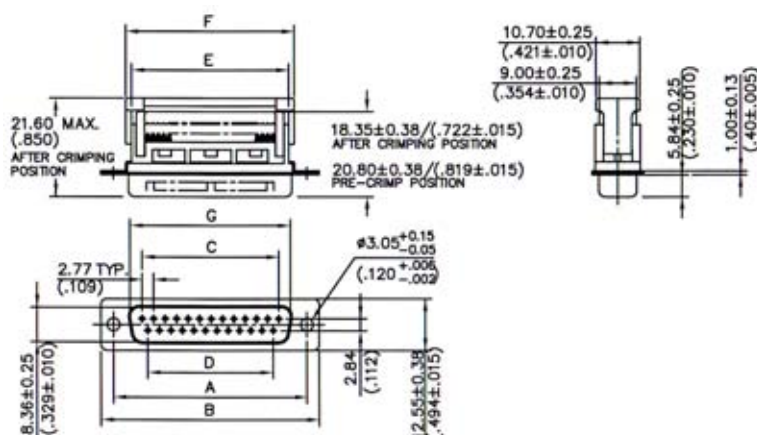
5. MOUNTING OPTION:

"0" Ø3.05MM THROUGH HOLES

"4" UNC4-40 THREADED INSERT

"3" M3 THREADED INSERT

D-SUB, MALE CONNECTOR WITH METAL SHELL I.D.C. TYPE



SPECIFICATIONS

Current Rating: 3A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass,Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

No. of Contacts	Dimensions(mm)									
	A±0.13	B±0.25	C±0.13	D±0.13	E±0.25	F±0.25	G±0.25	H±0.25	I±0.13 REAR MOUNTING	I±0.13 FRONT MOUNTING
09	24.99	30.80	11.08	8.31	16.10	18.60	16.92	16.33	20.47	22.20
15	33.32	39.10	19.39	16.62	24.00	26.60	25.25	24.66	28.80	30.53
25	47.04	53.09	33.24	30.47	38.14	40.90	38.96	38.38	42.52	44.27
37	63.50	69.40	49.86	47.09	54.60	57.10	55.45	54.84	59.08	60.73

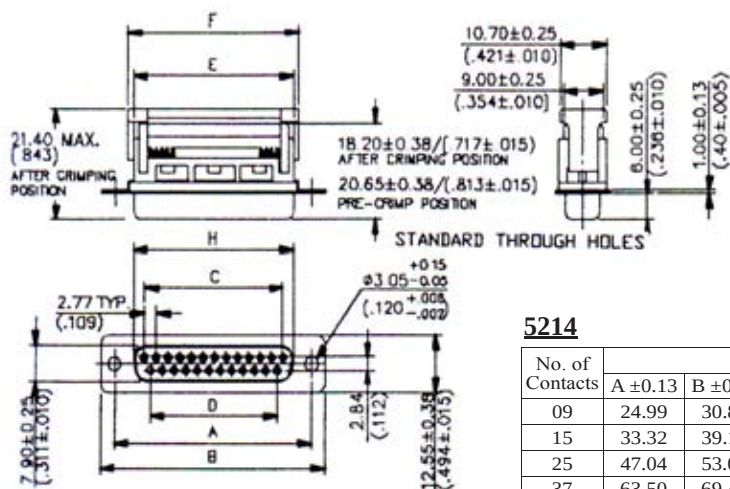
ORDERING INFORMATION:

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

1. NO. OF CONTACTS:
09, 15, 25, 37
2. HOUSING CONSTRUCTION TYPE:
"C" STANDARD THROUGH HOLES
"D" UNC4-40 THREADED INSERTS
3. STRAIN RELIEF TYPE:
"P" PLASTIC STRAIN RELIEF
"S" STEEL STRAIN RELIEF

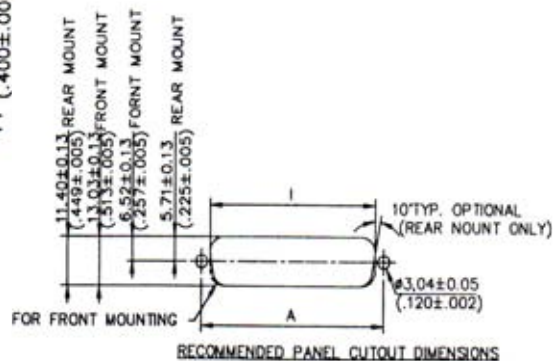
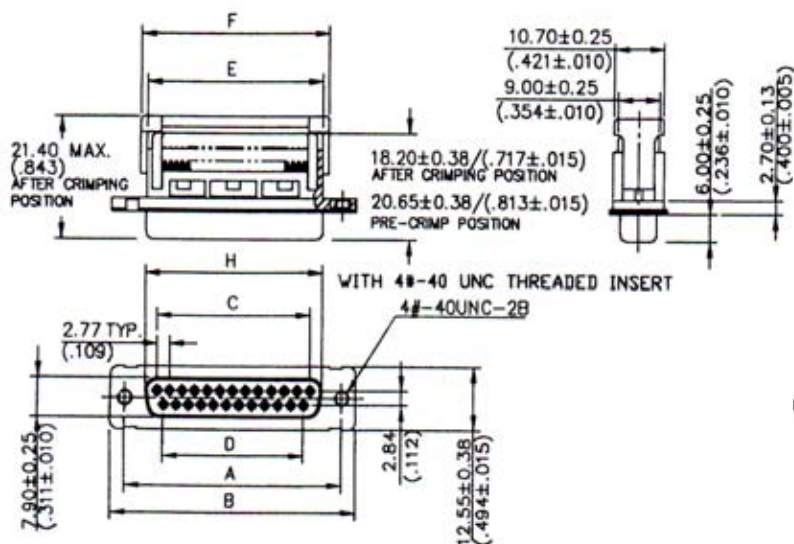
4. HOUSING COLOR:
" " BLUE (STANDARD)
"B" BLACK

D-SUB. FEMALE CONNECTOR WITH METAL SHELL I.D.C. TYPE



5214

No. of Contacts	Dimensions(mm)									
	A ±0.13	B ±0.25	C ±0.13	D ±0.13	E ±0.25	F ±0.25	H ±0.25	I ±0.13	J ±0.13	
09	24.99	30.80	11.08	8.31	16.10	18.60	16.33	20.47	22.20	
15	33.32	39.10	33.24	16.62	24.00	26.60	24.66	42.52	30.53	
25	47.04	53.09	19.39	30.47	38.14	40.90	38.38	28.80	44.27	
37	63.50	69.40	11.08	47.09	54.60	57.10	54.84	20.47	60.73	



ORDERING INFORMATION:

P/N 5 2 1 4 - $\frac{xx}{1} \frac{xx}{2} \frac{xx}{3} \frac{xx}{4}$

1. NO. OF CONTACTS:
09, 15, 25, 37
2. HOUSING CONSTRUCTION TYPE:
"C" STANDARD THROUGH HOLES
"D" UNC4-40 THREADED INSERTS
3. STRAIN RELIEF TYPE:
"P" PLASTIC STRAIN RELIEF
"S" STEEL STRAIN RELIEF

4. HOUSING COLOR:
" " BLUE(STANDARD)
"B" BLACK

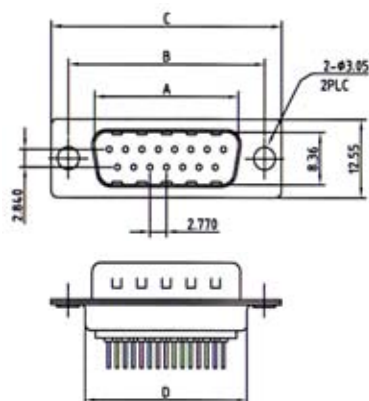
SPECIFICATIONS

Current Rating: 3A
Contact Resistance: 15mΩ Max.
Insulation Resistance: 1000MΩ Min.
Dielectric Wstanding: 500V AC
Operating Temperature: -55°C to +105°C

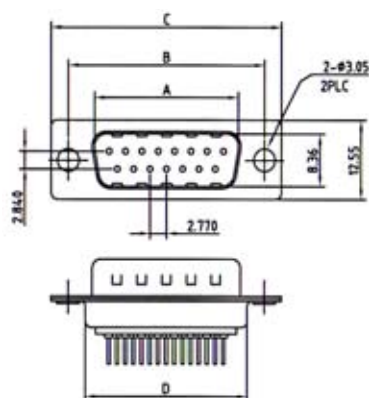
MATERIALS

Insulator: PBT, UL94V-0 Rated
Contact: Phosphor Bronze
*RoHS & REACH compliant.

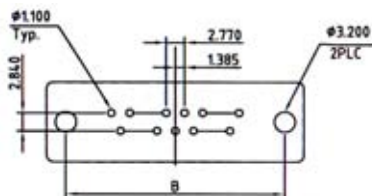
D-SUB. CONNECTOR STRAIGHT PCB MOUNT TYPE



5231, 5233, 5235



5232, 5234, 5236



Recommended P.C. Board Layout

SPECIFICATIONS

Current Rating: 3A or 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

5231, 5233, 5235

No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.92	24.99	30.81	19.23
15	25.25	33.32	39.14	27.56
25	38.96	47.04	53.04	41.28
37	55.42	63.50	69.32	57.33

5232, 5234, 5236

No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.33	24.99	30.81	19.23
15	24.66	33.32	39.14	27.56
25	38.38	47.04	53.04	41.28
37	54.84	63.50	69.32	57.33

K3	K	K6	J	JT	J4T	BR	BRJ

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

- "31" MALE WITH FULL GOLD PLATED MACHINED CONTACTS (5A)
- "32" FEMALE WITH FULL GOLD PLATED MACHINED CONTACTS (5A)
- "33" MALE WITH FULL GOLD PLATED STAMPED CONTACTS (3A)
- "34" FEMALE WITH FULL GOLD PLATED STAMPED CONTACTS (3A)
- "35" MALE WITH SELECTIVE GOLD PLATED STAMPED CONTACTS (3A)
- "36" FEMALE WITH SELECTIVE GOLD PLATED STAMPED CONTACTS (3A)

2. NO. OF CONTACTS:

09, 15, 25, 37, 50

3. SHELL FINISH:

"T" TIN PLATED

4. INSULATOR COLOR:

"W" WHITE (STANDARD)

"B" BLACK

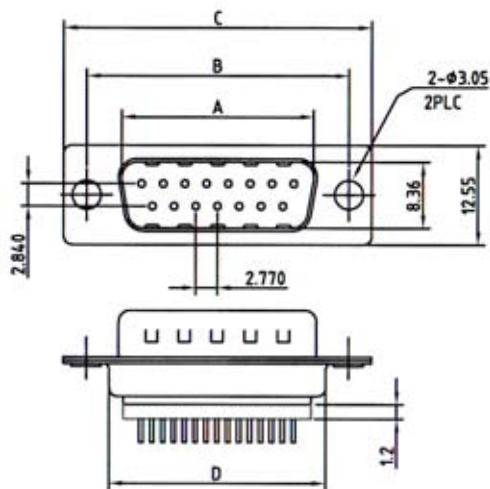
"U" BLUE

5. MOUNTING OPTION:

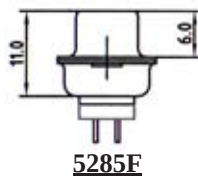
" " Ø3.05MM THROUGH HOLES

OTHERS: K, K3, K6, J, JT, J4T, BR, BRJ

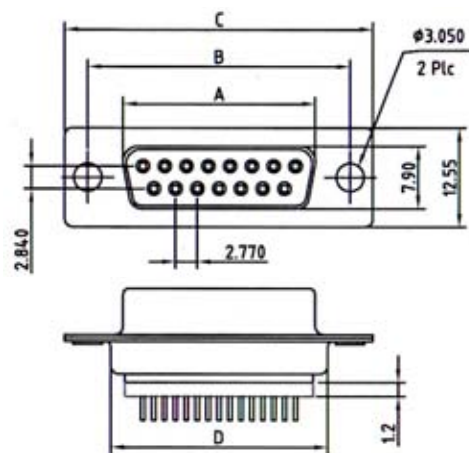
D-SUB. CONNECTOR WITH STAMPED CONTACTS STRAIGHT PCB TYPE WITH FERRITE (EMI)



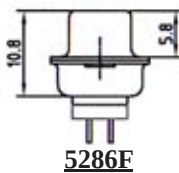
No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.92	24.99	30.81	19.23
15	25.25	33.32	39.14	27.56
25	38.96	47.04	53.04	41.28
37	55.42	63.50	69.32	57.33



5285F



No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.33	24.99	30.81	19.23
15	24.66	33.32	39.14	27.56
25	38.38	47.04	53.04	41.28
37	54.84	63.50	69.32	57.33



5286F

SPECIFICATIONS

Current Rating: 3A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

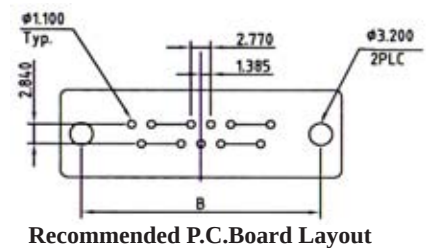
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

K3	K	K6	J	JT	J4T	BR	BRJ

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"85" MALE

"86" FEMALE

2. NO. OF CONTACTS:

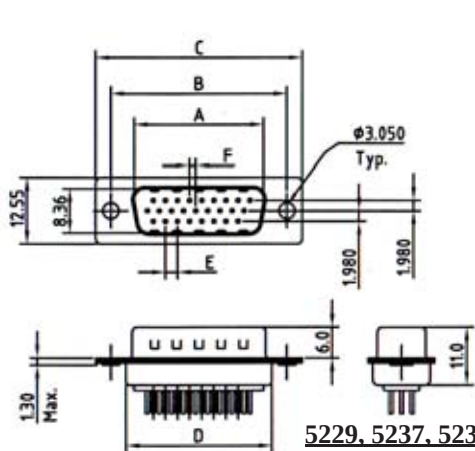
09, 15, 25, 37, 50

3. MOUNTING OPTION:

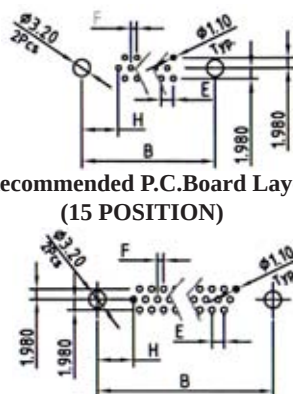
" " Ø3.05MM THROUGH HOLES

OTHERS: K, K3, K6, J, JT, J4T, BR, BRJ

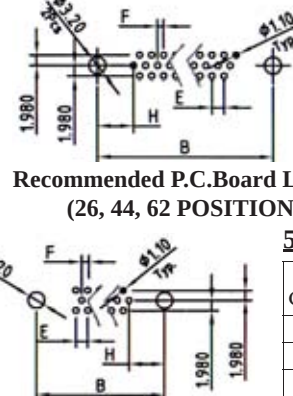
D-SUB. HIGH DENSITY CONNECTOR STRAIGHT PCB MOUNT TYPE



Recommended P.C.Board Layout
(15 POSITION)



Recommended P.C.Board Layout
(26, 44, 62 POSITION)



SPECIFICATIONS

Current Rating: 3A or 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

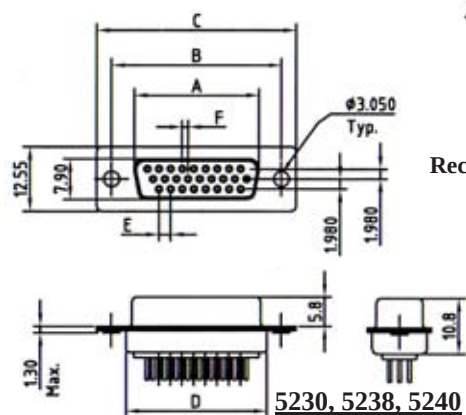
Contact: Brass

Shell: Brass, Steel

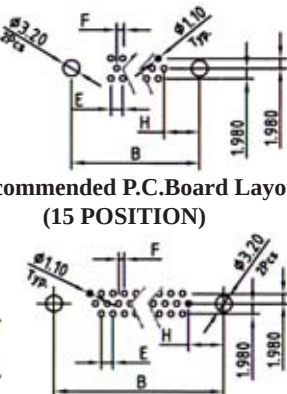
Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.



Recommended P.C.Board Layout
(15 POSITION)



Recommended P.C.Board Layout
(26, 44, 62 POSITION)

5229, 5237, 5239

No. of Contacts	Dimensions(mm)						
	A	B	C	D	E	F	H
15	16.92	24.99	30.81	19.23	2.29	1.145	7.04
26	25.25	33.32	39.14	27.56	2.29	1.145	6.88
44	38.96	47.04	53.04	41.28	2.29	1.145	6.88
62	55.42	63.50	69.32	57.33	2.41	1.205	7.00

5230, 5238, 5240

No. of Contacts	Dimensions(mm)						
	A	B	C	D	E	F	H
15	16.33	24.99	30.81	19.23	2.29	1.145	7.04
26	24.66	33.32	39.14	27.56	2.29	1.145	6.88
44	38.38	47.04	53.04	41.28	2.29	1.145	6.88
62	54.84	63.50	69.32	57.33	2.41	1.205	7.00

K3	K	K6	J	JT	J4T	BR	BRJ

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

- "29" MALE WITH SELECTIVE GOLD PLATED STAMPED CONTACTS (3A)
- "30" FEMALE WITH SELECTIVE GOLD PLATED STAMPED CONTACTS (3A)
- "37" MALE WITH FULL GOLD PLATED MACHINED CONTACTS (5A)
- "38" FEMALE WITH FULL GOLD PLATED MACHINED CONTACTS (5A)
- "39" MALE WITH FULL GOLD PLATED STAMPED CONTACTS (3A)
- "40" FEMALE WITH FULL GOLD PLATED STAMPED CONTACTS (3A)

2. NO. OF CONTACTS:

15, 26, 44, 62, 78

3. SHELL FINISH:

"T" TIN PLATED

4. INSULATOR COLOR:

"W" WHITE (STANDARD)
"B" BLACK
"U" BLUE

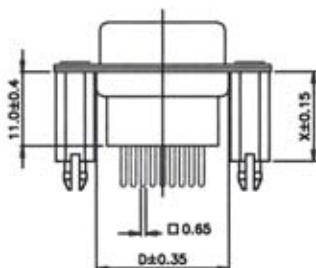
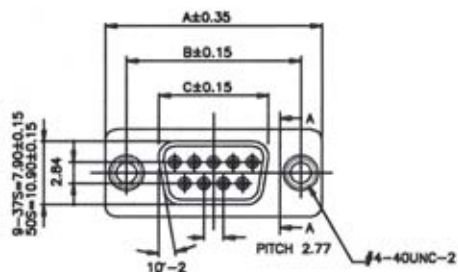
5. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES
OTHERS: K, K3, K6, J, JT, J4T, BR, BRJ

D-SUB. CONNECTOR WITH STAMPED PINS HIGH PROFILE STRAIGHT PCB MOUNT TYPE

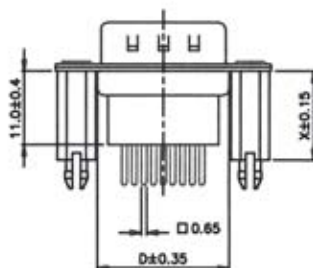
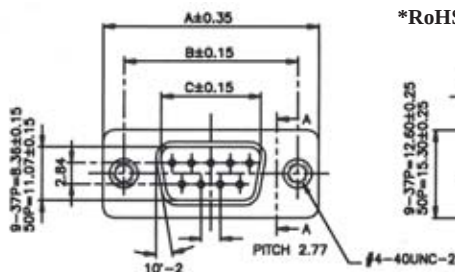
5294

No. of Contacts	Dimensions(mm)				
	A	B	C	D	T
09	30.80	24.99	16.34	19.20	3.6 4.8 5.4 7.2
15	39.15	33.32	24.70	27.70	
25	53.00	47.04	38.40	41.10	
37	69.30	63.50	54.80	57.30	
50	67.60	61.00	52.20	55.10	



5293

No. of Contacts	Dimensions(mm)				
	A	B	C	D	T
09	30.80	24.99	16.34	19.20	3.6 4.8 5.4 7.2
15	39.15	33.32	24.70	27.70	
25	53.00	47.04	38.40	41.10	
37	69.30	63.50	54.80	57.30	
50	67.60	61.00	52.20	55.10	



SPECIFICATIONS

Current Rating: 3A

Contact Resistance: 15mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 500V at 1 Minute

Operating Temperature: -50°C to +100°C

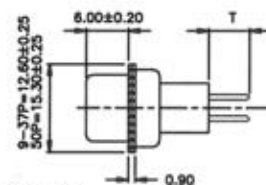
Insulator: PBT, UL94V-0 Rated

Contact: Brass, Stamped-Pin

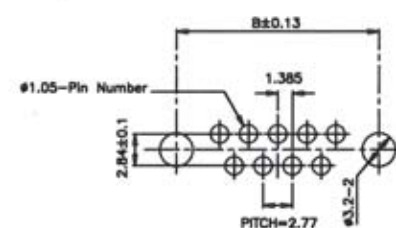
Selective Gold Plated

Shell: Steel, Tin Plated

***RoHS & REACH compliant.**



SECTION: A-A



Recommended P.C.Board Layout

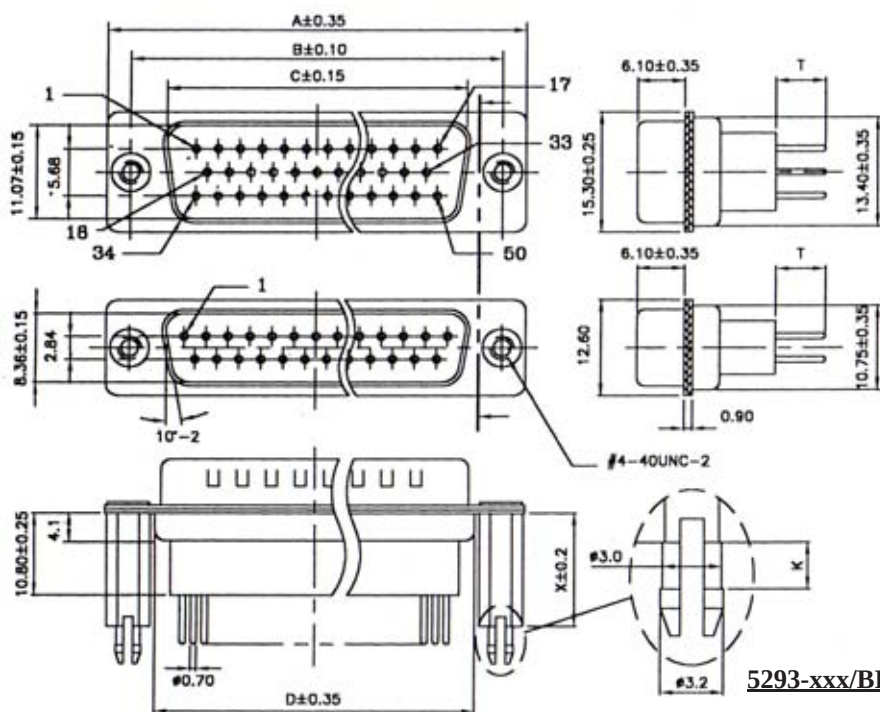
ORDERING INFORMATION:

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

1. CONNECTOR TYPE:
"93" MALE WITH STAMPED PINS
"94" FEMALE WITH STAMPED PINS
2. NO. OF CONTACTS:
09, 15, 25, 37, 50
3. PIN LATCH & CONTACT TYPE:
"N" T=3.6MM FOR FEMALE & MALE
"Q" T=5.4MM FOR FEMALE & MALE
"R" T=7.2MM FOR FEMALE & MALE
"S" T=4.8MM FOR FEMALE & MALE

4. MOUNTING OPTION:
" " Ø3.05MM THROUGH HOLES
"BR" BOARD-LOCK
"BRJ" BOARD-LOCK & SCREW
5. LENGTH X:
11.0, 12.0, 12.7, 13.7, 14.5, 15.0

D-SUB. MALE CONNECTOR WITH MACHINED PINS HIGH PROFILE STRAIGHT PCB MOUNT TYPE



SPECIFICATIONS

Current Rating: 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

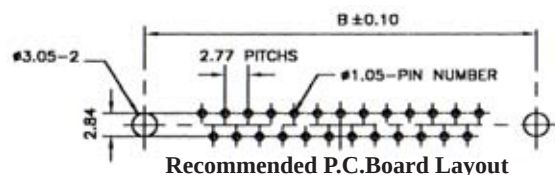
Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

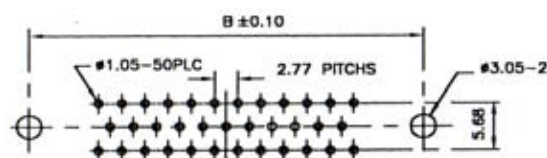
Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.

Part No.	Dimensions(mm)						
	A	B	C	D	X	T	K
5293-09A/xx	30.80	24.99	16.92	19.20	11.00	3.60	1.60
5293-09B/xx	30.80	24.99	16.92	19.20	12.70	5.40	2.40
5293-09C/xx	30.80	24.99	16.92	19.20	14.50	7.20	3.20
5293-15A/xx	39.15	33.32	25.25	27.62	11.00	3.60	1.60
5293-15B/xx	39.15	33.32	25.25	27.62	12.70	5.40	2.40
5293-15C/xx	39.15	33.32	25.25	27.62	14.50	7.20	3.20
5293-25A/xx	53.00	47.04	38.96	41.18	11.00	3.60	1.60
5293-25B/xx	53.00	47.04	38.96	41.18	12.70	5.40	2.40
5293-25C/xx	53.00	47.04	38.96	41.18	14.50	7.20	3.20
5293-37A/xx	69.30	63.50	55.42	57.34	11.00	3.60	1.60
5293-37B/xx	69.30	63.50	55.42	57.34	12.70	5.40	2.40
5293-37C/xx	69.30	63.50	55.42	57.34	14.50	7.20	3.20
5293-50A/xx	67.00	61.00	52.80	55.16	11.00	3.60	1.60
5293-50B/xx	67.00	61.00	52.80	55.16	12.70	5.40	2.40
5293-50C/xx	67.00	61.00	52.80	55.16	14.50	7.20	3.20



Recommended P.C. Board Layout



Recommended P.C. Board Layout

ORDERING INFORMATION:

P/N 5 2 9 3 - $\frac{xx}{1}$ $\frac{xx}{2}$ $\frac{xx}{3}$ $\frac{xx}{4}$

1. CONNECTOR TYPE:

"93" MALE WITH MACHINED PINS

2. NO. OF CONTACTS:

09, 15, 25, 37, 50

3. PIN LENGTH & CONTACT TYPE:

"A" T= 3.6MM MACHINED PINS

"B" T= 5.4MM MACHINED PINS

"C" T= 7.2MM MACHINED PINS

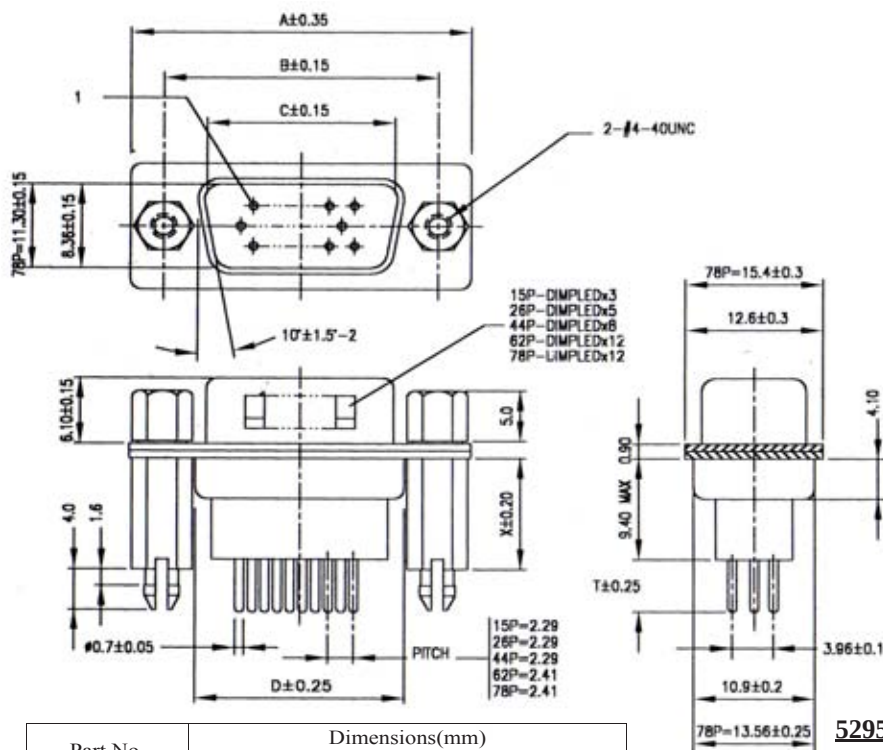
4. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

"BR" BOARD LOCK

"BRJ" BOARD LOCK & SCREW

D-SUB. HIGH DENSITY MALE CONNECTOR WITH MACHINED PINS HIGH PROFILE STRAIGHT PCB MOUNT TYPE



SPECIFICATIONS

Current Rating: 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.

Part No.	Dimensions(mm)					
	A	B	C	D	T	X
5295-15A/xx	30.80	24.99	16.92	19.20	3.60	9.60
5295-15B/xx	30.80	24.99	16.92	19.20	5.40	11.00
5295-15C/xx	30.80	24.99	16.92	19.20	7.20	12.70
5295-26A/xx	39.20	33.32	25.25	27.70	3.60	9.60
5295-26B/xx	39.20	33.32	25.25	27.70	5.40	11.00
5295-26C/xx	39.20	33.32	25.25	27.70	7.20	12.70
5295-44A/xx	53.00	47.04	38.95	41.10	3.60	9.60
5295-44B/xx	53.00	47.04	38.95	41.10	5.40	11.00
5295-44C/xx	53.00	47.04	38.95	41.10	7.20	12.70
5295-62A/xx	69.40	63.50	55.40	57.30	3.60	9.60
5295-62B/xx	69.40	63.50	55.40	57.30	5.40	11.00
5295-62C/xx	69.40	63.50	55.40	57.30	7.20	12.70
5295-78A/xx	67.00	61.10	52.80	55.10	3.60	9.60
5295-78B/xx	67.00	61.10	52.80	55.10	5.40	11.00
5295-78C/xx	67.00	61.10	52.80	55.10	7.20	12.70

5295-xxx/BRJ

ORDERING INFORMATION:

P/N 5295 - $\frac{xx}{1} \frac{xx}{2} \frac{xx}{3} \frac{xx}{4}$

1. CONNECTOR TYPE:

"95" MALE WITH MACHINED PINS

2. NO. OF CONTACTS:

15, 26, 44, 62, 78

3. PIN LENGTH & CONTACT TYPE:

"A" T= 3.6MM MACHINED PINS

"B" T= 5.4MM MACHINED PINS

"C" T= 7.2MM MACHINED PINS

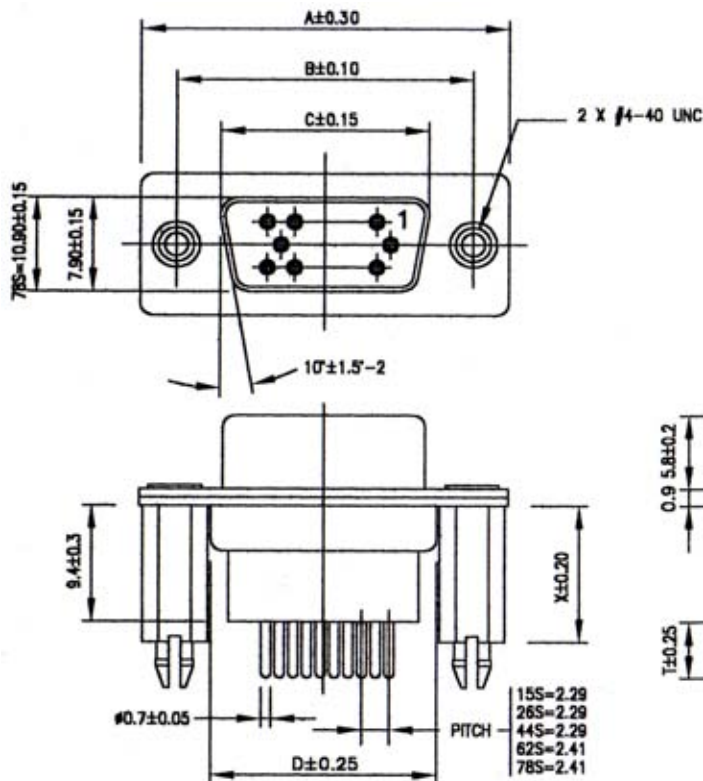
4. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

"BR" BOARD LOCK

"BRJ" BOARD LOCK & SCREW

D-SUB. HIGH DENSITY FEMALE CONNECTOR HIGH PROFILE STRAIGHT PCB MOUNT TYPE



Part No.	Dimensions(mm)					
	A	B	C	D	T	X
5296-15A(D)/xx	30.80	24.99	16.34	19.20	3.60	9.60
5296-15B(E)/xx	30.80	24.99	16.34	19.20	5.40	11.00
5296-15C(F)/xx	30.80	24.99	16.34	19.20	7.20	12.70
5296-26A(D)/xx	39.20	33.32	24.70	27.70	3.60	9.60
5296-26B(E)/xx	39.20	33.32	24.70	27.70	5.40	11.00
5296-26C(F)/xx	39.20	33.32	24.70	27.70	7.20	12.70
5296-44A(D)/xx	53.00	47.04	38.40	41.10	3.60	9.60
5296-44B(E)/xx	53.00	47.04	38.40	41.10	5.40	11.00
5296-44C(F)/xx	53.00	47.04	38.40	41.10	7.20	12.70
5296-62A(D)/xx	69.40	63.50	54.80	57.30	3.60	9.60
5296-62B(E)/xx	69.40	63.50	54.80	57.30	5.40	11.00
5296-62C(F)/xx	69.40	63.50	54.80	57.30	7.20	12.70
5296-78A(D)/xx	67.00	61.10	52.20	55.10	3.60	9.60
5296-78B(E)/xx	67.00	61.10	52.20	55.10	5.40	11.00
5296-78C(F)/xx	67.00	61.10	52.20	55.10	7.20	12.70

SPECIFICATIONS

Current Rating: 3A or 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

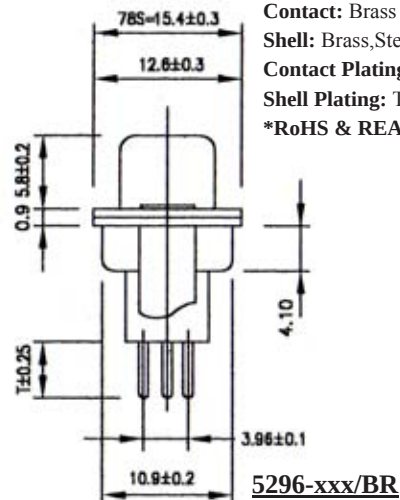
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N 5 2 9 6 - $\frac{xx}{1}$ $\frac{xx}{2}$ $\frac{xx}{3}$ $\frac{xx}{4}$

1. CONNECTOR TYPE:

"96" FEMALE

2. NO. OF CONTACTS:

15, 26, 44, 62, 78

3. PIN LENGTH & CONTACT TYPE:

"A" T= 3.6MM MACHINED PINS (5A)

"B" T= 5.4MM MACHINED PINS (5A)

"C" T= 7.2MM MACHINED PINS (5A)

"D" T= 3.6MM STAMPED PINS (3A)

"E" T= 5.4MM STAMPED PINS (3A)

"F" T= 7.2MM STAMPED PINS (3A)

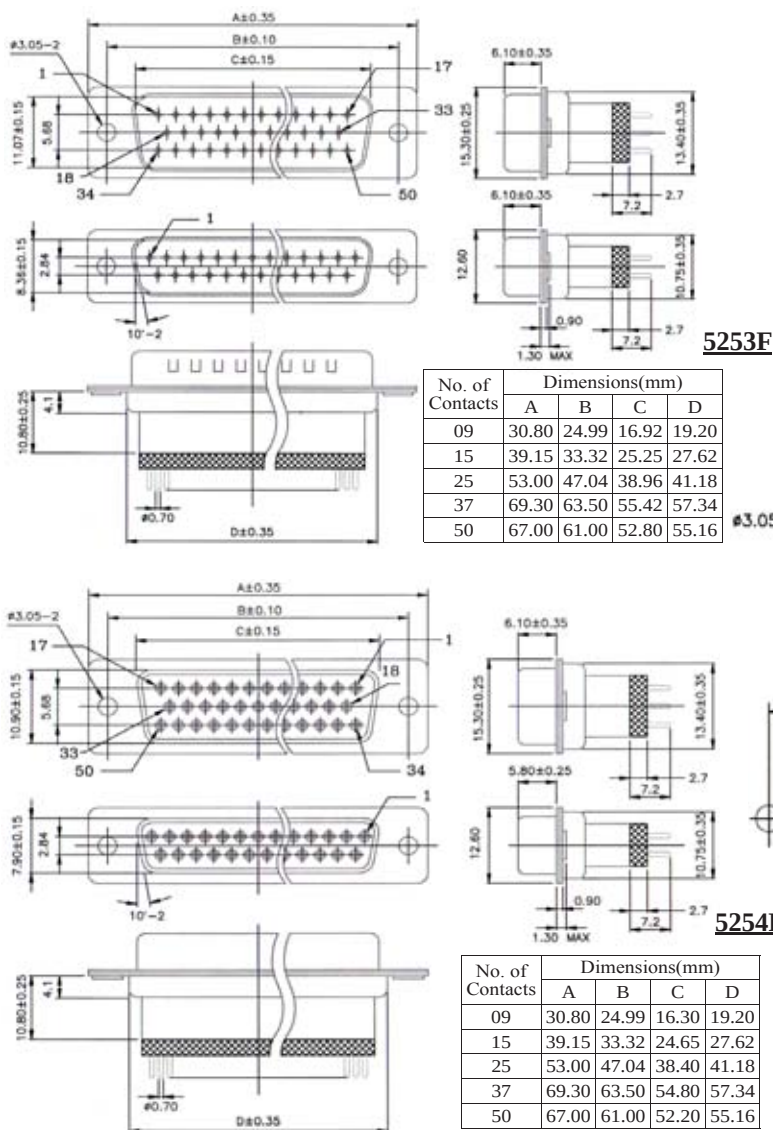
4. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

"BR" BOARD LOCK

"BRJ" BOARD LOCK & SCREW

D-SUB. CONNECTOR HIGH PROFILE STRAIGHT PCB MOUNT TYPE WITH MACHINED PINS & FERRITE



SPECIFICATIONS

Current Rating: 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

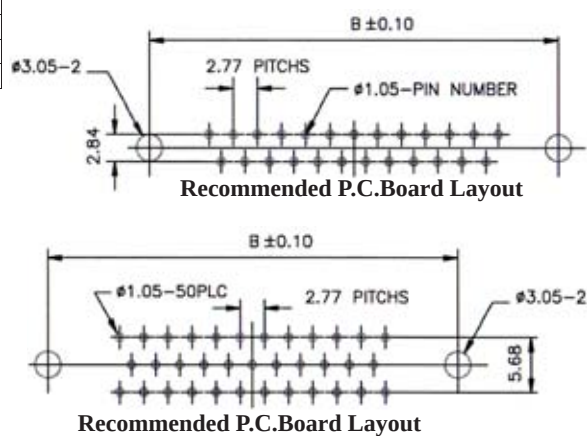
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"53" MALE

"54" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

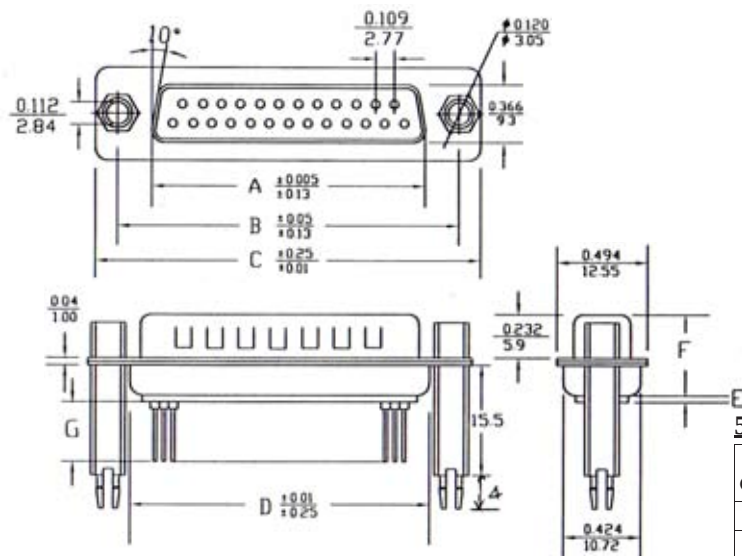
3. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

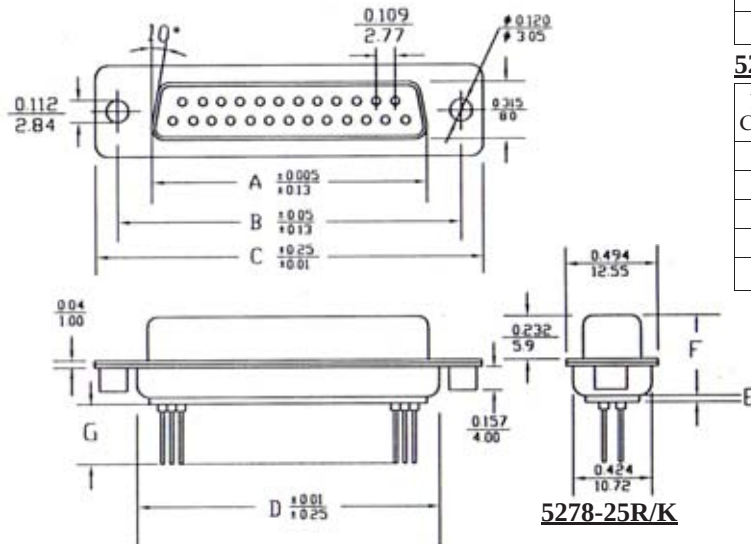
"BR" BOARD LOCK

"BRJ" BOARD LOCK & SCREW

D-SUB. CONNECTOR STRAIGHT PCB TYPE WITH LONG MACHINED TAILS



5277-25R/BR15.5J



5278-25R/K

SPECIFICATIONS

Current Rating: 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

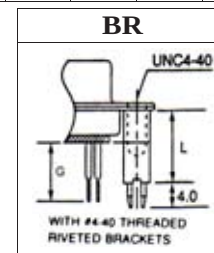
***RoHS & REACH compliant.**

5277

No. of Contacts	Dimensions(mm)						
	A	B	C	D	E	F	G
09	16.92	24.99	30.81	19.28	1.20	11.00	13.00
15	25.25	33.32	39.14	27.51	1.20	11.00	13.00
25	38.96	47.04	53.04	41.30	1.20	11.00	13.00
37	55.42	63.50	69.32	57.71	1.20	11.00	13.00
50	52.86	61.11	66.92	55.30	1.20	11.00	13.00

5278

No. of Contacts	Dimensions(mm)						
	A	B	C	D	E	F	G
09	16.33	24.99	30.81	19.28	1.20	11.00	13.00
15	24.66	33.32	39.14	27.51	1.20	11.00	13.00
25	38.38	47.04	53.04	41.30	1.20	11.00	13.00
37	54.84	63.50	69.32	57.71	1.20	11.00	13.00
50	52.34	61.11	66.92	55.30	1.20	11.00	13.00



ORDERING INFORMATION:

P/N 5 2 $\frac{xx}{1}$ - $\frac{xxx}{2}$ / $\frac{xxx}{4}$

1. CONNECTOR TYPE:

"77" MALE

"78" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37, 50

3. PIN LENGTH:

"Q" G=10.0MM

"R" G=13.0MM

4. MOUNTING OPTION:

K, J, KJ, BRxx, BRxxJ

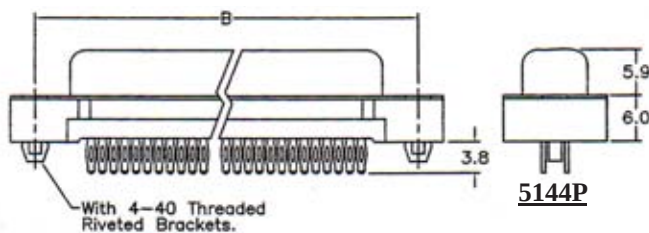
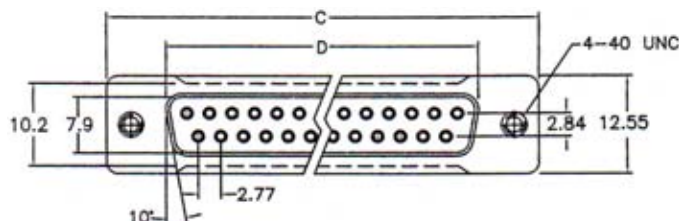
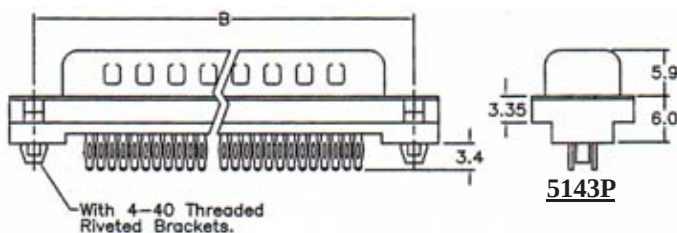
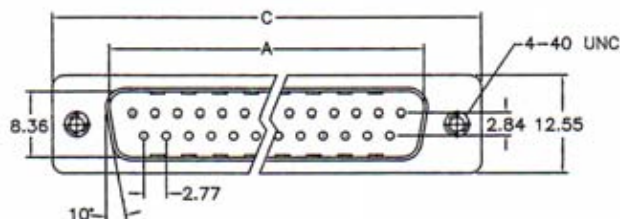
"BR14.5" L= 14.50MM

"BR15.5" L= 15.50MM

OTHER LENGTHS:

8.4, 11, 9.5, 12.5, 15.5, 10.5MM...ETC.

D-SUB. CONNECTOR STRAIGHT PRESS FIT TYPE



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

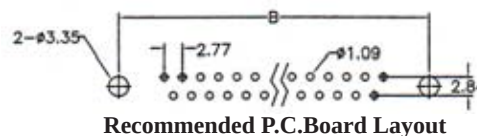
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.92	24.99	30.81	16.33
15	25.50	33.32	39.14	24.66
25	38.96	47.04	53.04	38.36
37	55.42	63.50	69.32	54.84

ORDERING INFORMATION:

P/N 51 $\frac{xx}{1}$ P - $\frac{xx}{2}$ T $\frac{B}{3}$ / $\frac{xx}{4}$

1. CONNECTOR TYPE:

"43" MALE

"44" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. INSERT COLOR:

"B" BLACK

4. MOUNTING OPTION:

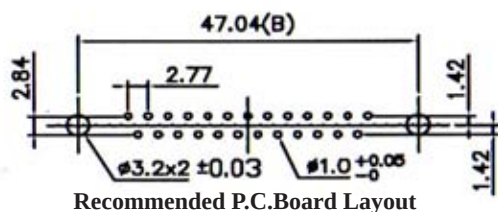
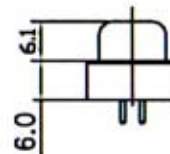
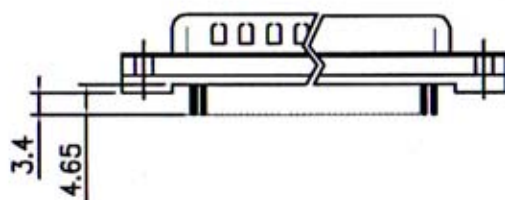
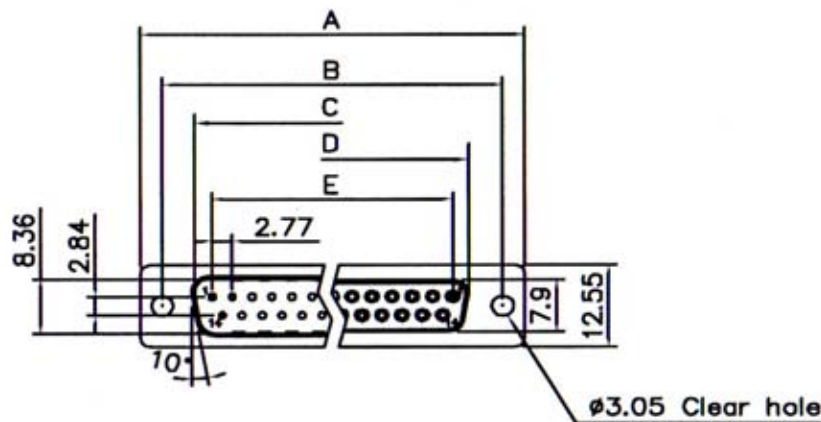
" " Ø3.05MM THROUGH HOLES

"J" FRONT RIVETED NUTS UNC4-40

"JM3" FRONT RIVETED NUTS M3

"BR" WITH BOARDLOCKS

D-SUB. CONNECTORS STRAIGHT PCB TYPE WITHOUT METAL REAR SHELL



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
09	30.81	24.99	16.92	16.33	11.08
15	39.14	33.32	25.50	24.66	19.39
25	53.04	47.04	38.96	38.38	33.24
37	69.32	63.50	55.42	54.84	49.86

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"35" MALE

"36" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. INSERT COLOR:

"B" BLACK

4. MOUNTING OPTION:

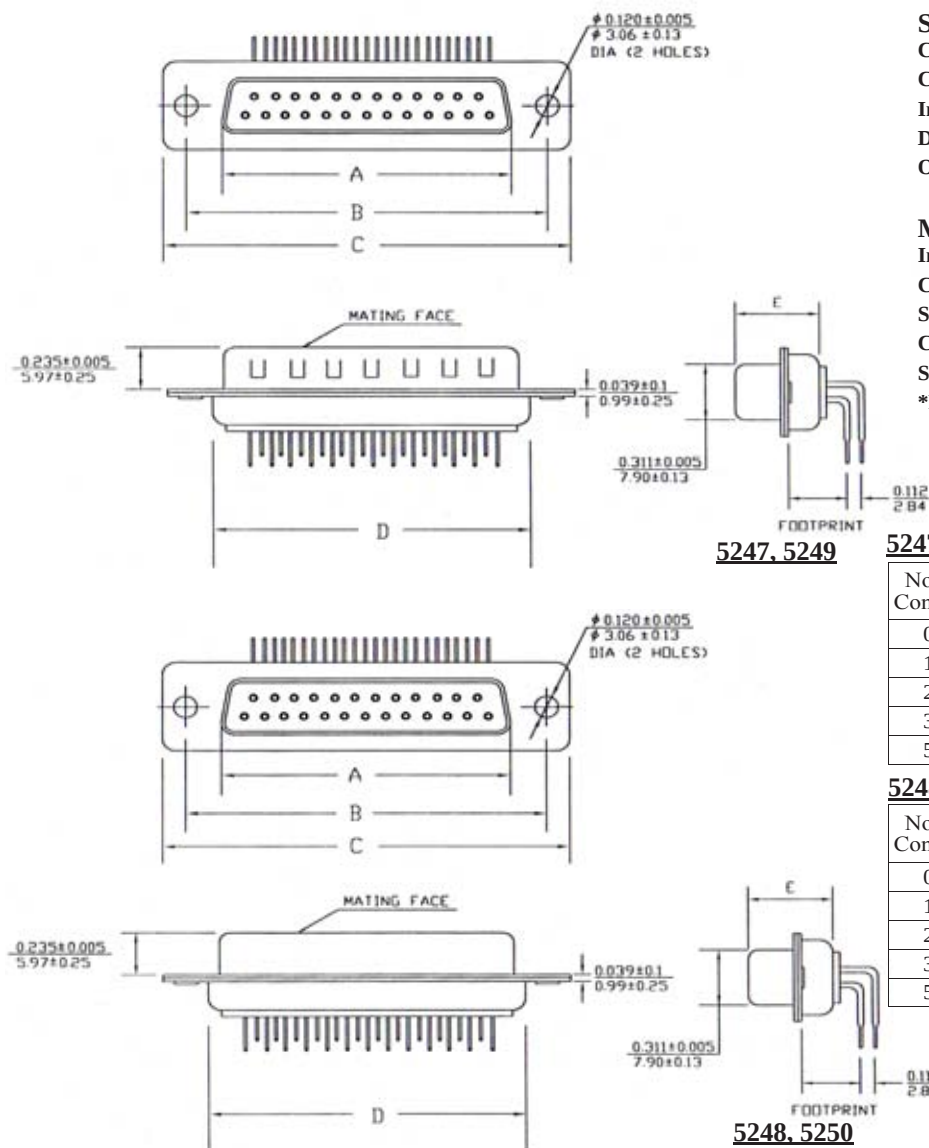
" " Ø3.05MM THROUGH HOLES

"J" FRONT RIVETED NUTS UNC4-40

"JM3" FRONT RIVETED NUTS M3

"BR" WITH BOARDLOCKS

D-SUB. RIGHT ANGLE CONNECTOR WITH MACHINED CONTACTS



SPECIFICATIONS

Current Rating: 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

5247, 5249

No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
09	16.92	24.99	30.81	19.28	10.82
15	25.25	33.32	39.14	27.51	10.82
25	38.96	47.04	53.04	41.28	10.82
37	55.42	63.50	69.32	57.71	10.90
50	52.81	61.10	66.93	55.32	10.90

5248, 5250

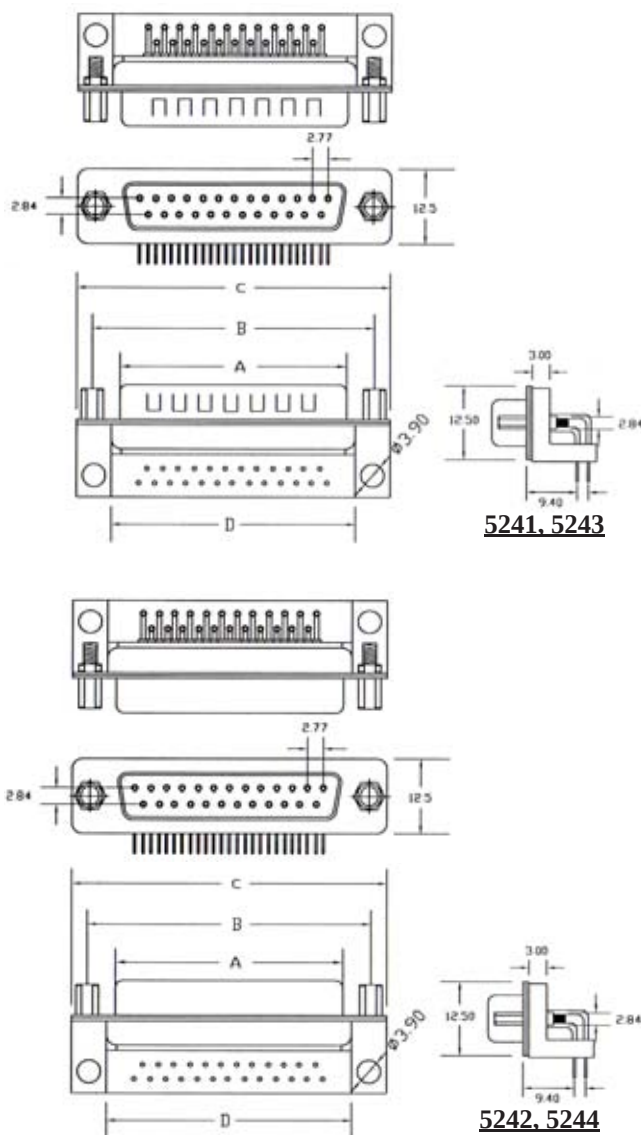
No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
09	16.33	24.99	30.81	19.28	10.90
15	24.66	33.32	39.14	27.51	10.90
25	38.38	47.04	53.04	41.28	10.90
37	54.84	63.50	69.32	57.71	10.90
50	52.43	61.10	66.93	55.32	10.90

ORDERING INFORMATION:

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

- CONNECTOR TYPE & FOOTPRINT:
 "47" MALE WITH FOOTPRINT= 7.2MM
 "48" FEMALE WITH FOOTPRINT= 7.2MM
 "49" MALE WITH FOOTPRINT= 9.4MM
 "50" FEMALE WITH FOOTPRINT= 9.4MM
- NO. OF CONTACTS:
 09, 15, 25, 37, 50
- SHELL FINISH:
 "T" FULL TIN PLATED

D-SUB. RIGHT ANGLE CONNECTOR WITH MACHINED PINS & PLASTIC BRACKET



5241, 5243

5242, 5244

SPECIFICATIONS

Current Rating: 5A

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

5241, 5243

No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.92	24.99	30.81	18.20
15	25.25	33.32	39.14	26.30
25	38.96	47.04	53.04	40.30
37	55.42	63.50	69.32	56.50

5242, 5244

No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	16.33	24.99	30.81	18.20
15	24.66	33.32	39.14	26.30
25	38.38	47.04	53.04	40.30
37	54.84	63.50	69.32	56.50

ORDERING INFORMATION:

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

1. CONNECTOR TYPE & FOOTPRINT:

"41" MALE WITH FOOTPRINT= 7.2MM

"42" FEMALE WITH FOOTPRINT= 7.2MM

"43" MALE WITH FOOTPRINT= 9.4MM

"44" FEMALE WITH FOOTPRINT= 9.4MM

2. NO. OF CONTACTS:

09, 15, 25, 37

3. SHELL FINISH:

"T" FULL TIN PLATED

4. INSULATOR COLOR:

"W" WHITE

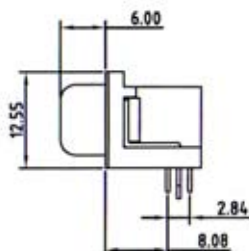
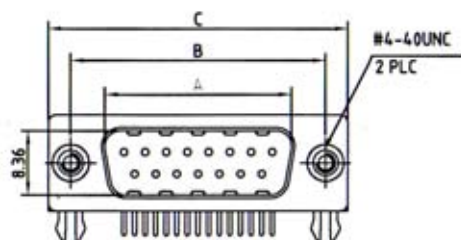
"B" BLACK

5. MOUNTING OPTION:

" " W/O BOARDLOCKS

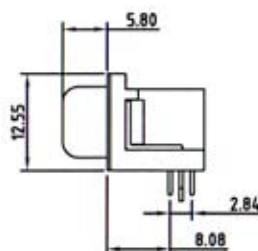
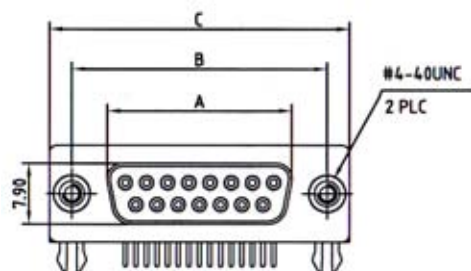
"BL" WITH BOARDLOCKS

D-SUB. CONNECTOR RIGHT ANGLE TYPE WITH BOARDLOCKS (CONTACT EXTENSION: 7.2MM STANDARD)



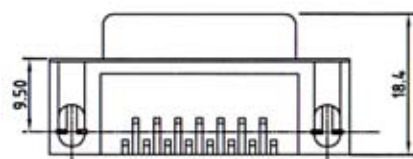
5259, 5261

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5260, 5262

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

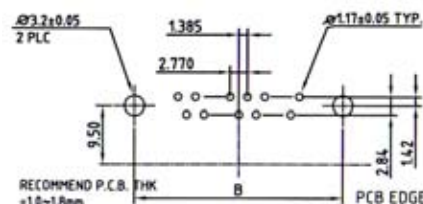
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C. Board Layout

N	(BLANK)
NJ	NH

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

- "59" MALE WITH SELECTIVE GOLD PLATED CONTACTS
- "60" FEMALE WITH SELECTIVE GOLD PLATED CONTACTS
- "61" MALE WITH FULL GOLD PLATED CONTACTS
- "62" FEMALE WITH FULL GOLD PLATED CONTACTS

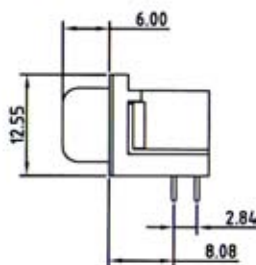
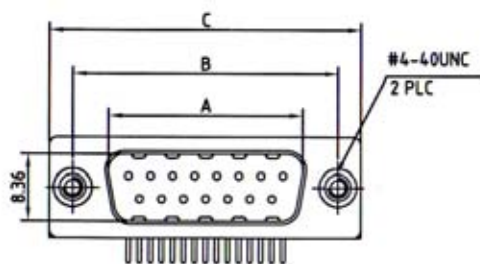
2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

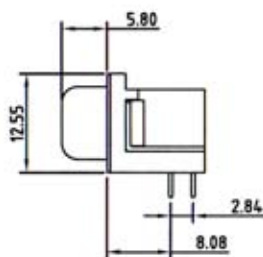
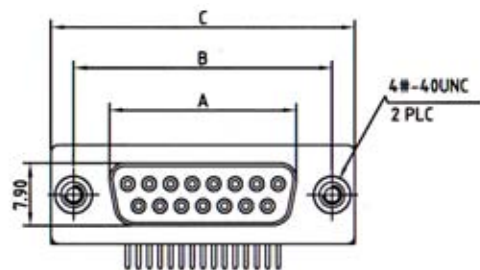
- " " LOCKED SCREWS (4.8MM)
- "N" WITHOUT SCREWS (5.8MM)
- "NH" LOOSE SCREWS (4.8MM)
- "NJ" ASSEMBLED SCREWS (4.8MM)

D-SUB. CONNECTOR RIGHT ANGLE TYPE WITHOUT BOARDLOCKS (CONTACT EXTENSION: 7.2MM)



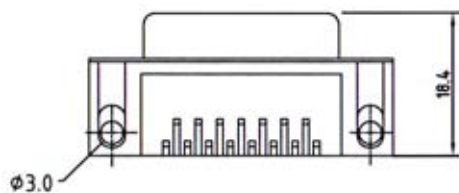
5259, 5261

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5260, 5262

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

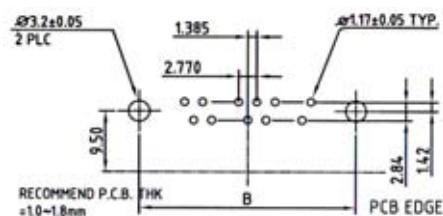
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

NB	NA
NK	NL

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

- "59" MALE WITH SELECTIVE GOLD PLATED CONTACTS
- "60" FEMALE WITH SELECTIVE GOLD PLATED CONTACTS
- "61" MALE WITH FULL GOLD PLATED CONTACTS
- "62" FEMALE WITH FULL GOLD PLATED CONTACTS

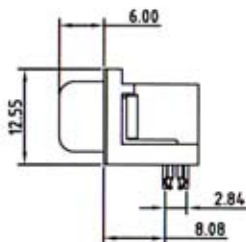
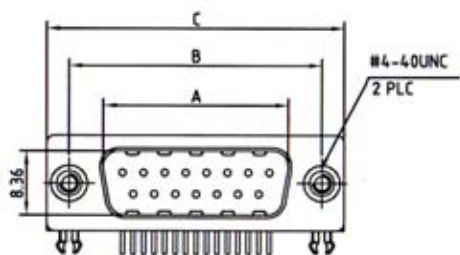
2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

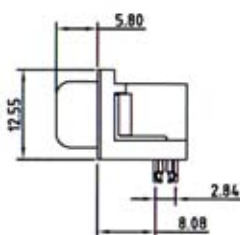
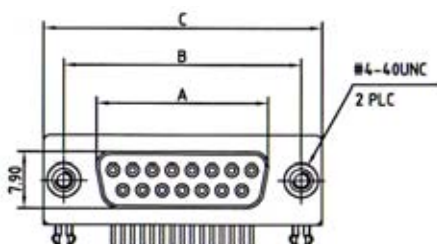
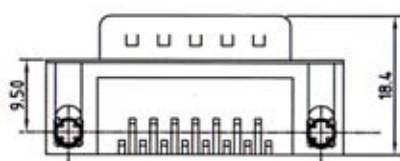
- "NA" LOCKED SCREWS (4.8MM)
- "NB" WITHOUT SCREWS (5.8MM)
- "NL" LOOSE SCREWS (4.8MM)
- "NK" ASSEMBLED SCREWS (4.8MM)

D-SUB. CONNECTOR RIGHT ANGLE TYPE WITH 4 PRONGED BOARDLOCKS (CONTACT EXTENSION: 7.2MM)



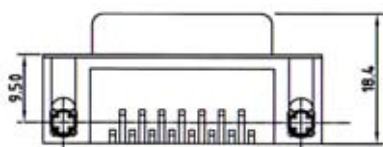
5113

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5114

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

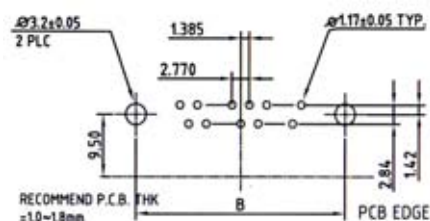
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C. Board Layout

N	(BLANK)
NJ	NH

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"13" MALE

"14" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

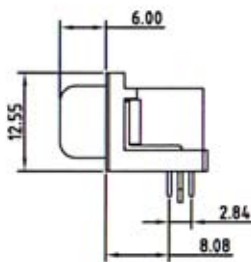
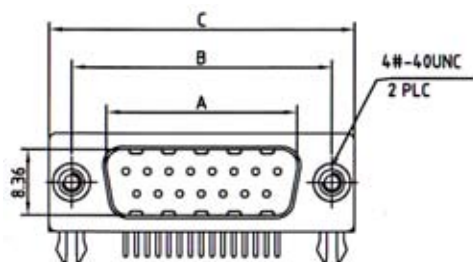
" " LOCKED SCREWS (4.8MM)

"N" WITHOUT SCREWS (5.8MM)

"NH" LOOSE SCREWS (4.8MM)

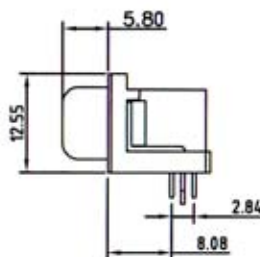
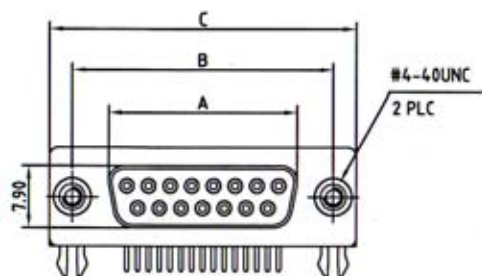
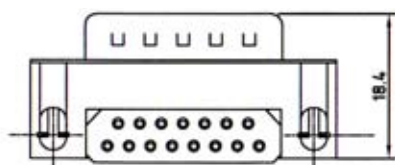
"NJ" ASSEMBLED SCREWS (4.8MM)

D-SUB. CONNECTOR RIGHT ANGLE TYPE WITH STAMPED CONTACTS & FERRITE (CONTACT EXTENSION: 7.2MM)



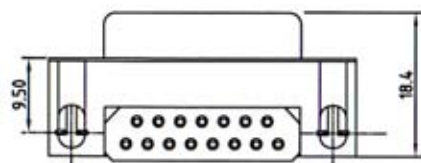
5265F

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5266F

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

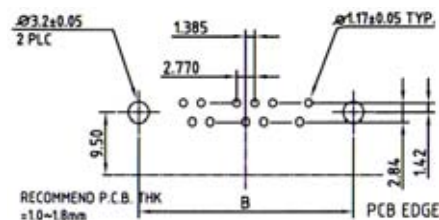
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C. Board Layout

N	(BLANK)
NJ	NH

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"65" MALE

"66" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

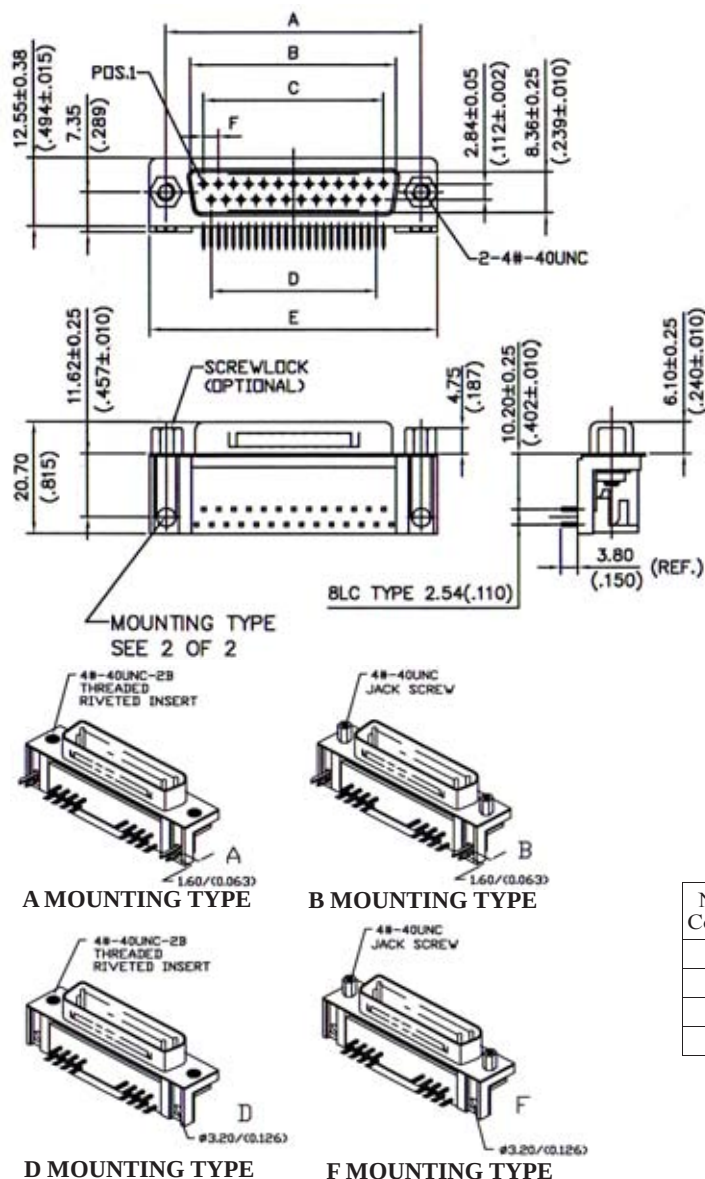
" " LOCKED SCREWS (4.8MM)

"N" WITHOUT SCREWS (5.8MM)

"NH" LOOSE SCREWS (4.8MM)

"NJ" ASSEMBLED SCREWS (4.8MM)

EUROPEAN STANDARD D-SUB. MALE CONNECTOR RIGHT ANGLE TYPE (9.4MM)

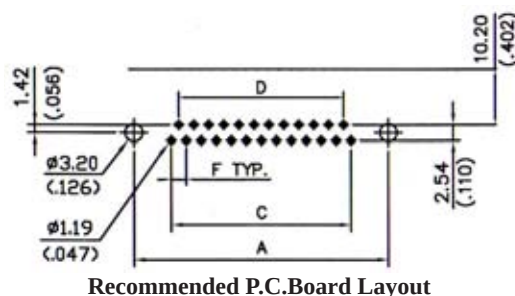


SPECIFICATIONS

Current Rating: 3.0 Amperes
Contact Resistance: 25mΩ Max.
Insulation Resistance: 1000MΩ Min. at 500V
Dielectric Voltage: 1000V at 1 Minute
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: PBT, UL94V-0 Rated
Contact: Brass
Shell: Brass, Steel
Contact Plating: Gold Over Nickel Plated
Shell Plating: Tin Over Copper Plated
***RoHS & REACH compliant.**



No. of Contacts	Dimensions(mm)					
	A±0.13	B±0.25	C±0.13	D±0.13	E±0.38	F±0.05
09	24.99	16.92	10.96	8.22	30.89	2.74
15	33.32	25.25	19.19	16.44	39.10	2.74
25	47.04	38.96	33.24	30.47	53.09	2.77
37	63.50	55.42	49.86	47.09	69.40	2.77

ORDERING INFORMATION:

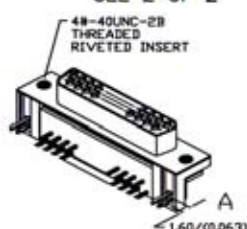
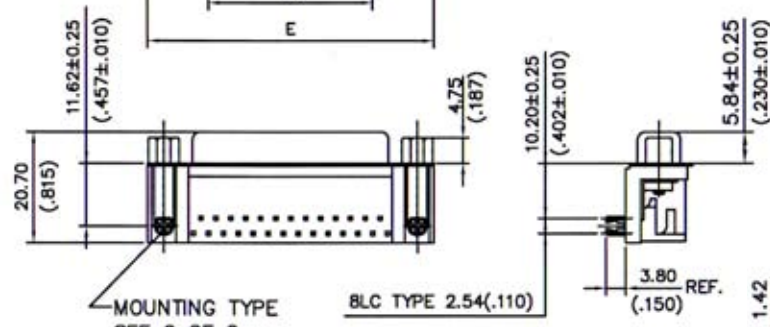
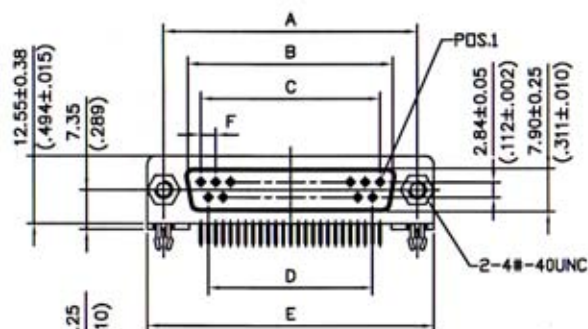
P/N 5 2 7 1 - $\frac{x x x}{1 2}$

- NO. OF CONTACTS:
09, 15, 25, 37
- MOUNTING TYPE:
 "A" WITH BOARDLOCK GROUNDING BRACKET & WITH UNC4-40 THREADED RIVETED INSERT
 "B" WITH BOARDLOCK GROUNDING BRACKET & SCREW LOCK
 "D" WITH Ø3.2MM MOUNTING HOLE & UNC4-40 THREADED RIVETED INSERT
 "F" WITH Ø3.2MM MOUNTING HOLE & WITH SCREW LOCK

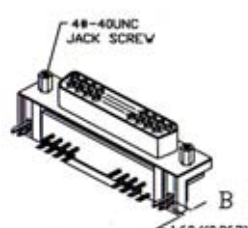
NOTE: THE SPECIFICATION CONFORMS TO EUROPEAN STANDARD:

- * CONTACT EXTENTION: 9.4MM
- * CONTACT CENTER SPACING: 2.54MM

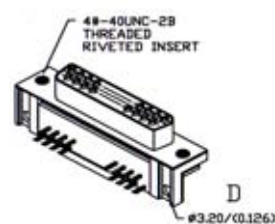
EUROPEAN STANDARD D-SUB. FEMALE CONNECTOR RIGHT ANGLE TYPE (9.4MM)



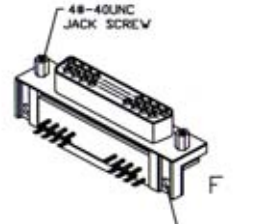
A MOUNTING TYPE



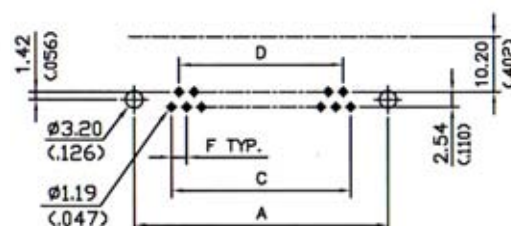
B MOUNTING TYPE



D MOUNTING TYPE



F MOUNTING TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.

No. of Contacts	Dimensions(mm)					
	A±0.13	B±0.25	C±0.13	D±0.13	E±0.38	F±0.05
09	24.99	16.33	10.96	8.22	30.89	2.74
15	33.32	24.66	19.19	16.44	39.10	2.74
25	47.04	38.38	33.24	30.47	53.09	2.77
37	63.50	54.84	49.86	47.09	69.40	2.77

ORDERING INFORMATION:

P/N 5 2 7 2 - $\frac{x x x}{1 2}$

1. NO. OF CONTACTS:

09, 15, 25, 37

2. MOUNTING TYPE:

"A" WITH BOARDLOCK GROUNDING BRACKET & WITH UNC4-40 THREADED RIVETED INSERT

"B" WITH BOARDLOCK GROUNDING BRACKET & SCREW LOCK

"D" WITH Ø3.2MM MOUNTING HOLE & UNC4-40 THREADED RIVETED INSERT

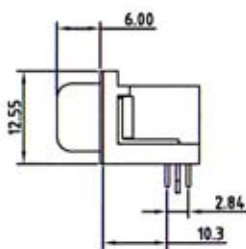
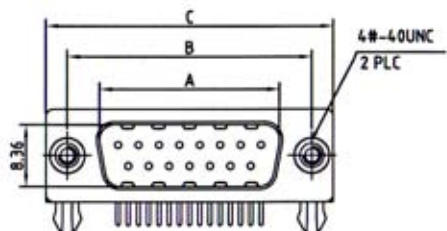
"F" WITH Ø3.2MM MOUNTING HOLE & WITH SCREW LOCK

NOTE: THE SPECIFICATION CONFORMS TO EUROPEAN STANDARD:

* CONTACT EXTENSION: 9.4MM

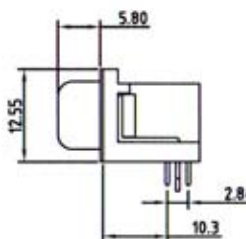
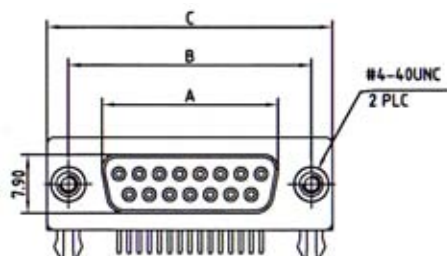
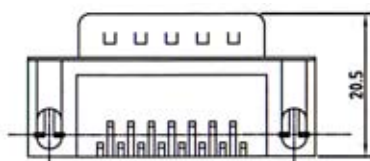
* CONTACT CENTER SPACING: 2.54MM

D-SUB. CONNECTOR RIGHT ANGLE WITH BOARDLOCKS (CONTACT EXTENSION: 9.4MM STANDARD)



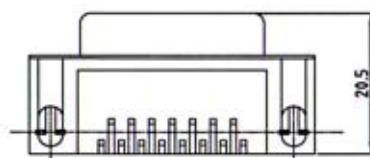
5273

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5274

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

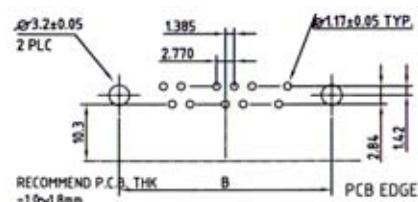
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C. Board Layout

N	(BLANK)
NJ	NH

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"73" MALE

"74" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

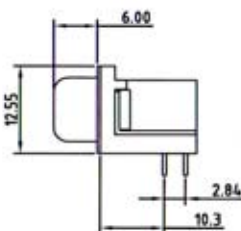
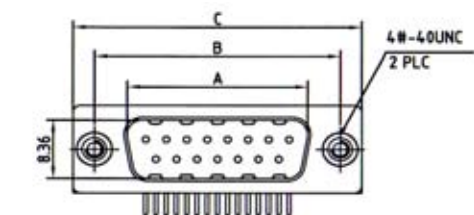
" " LOCKED SCREWS (4.8MM)

"N" WITHOUT SCREWS (5.8MM)

"NH" LOOSE SCREWS (4.8MM)

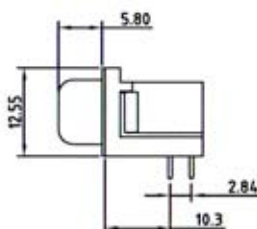
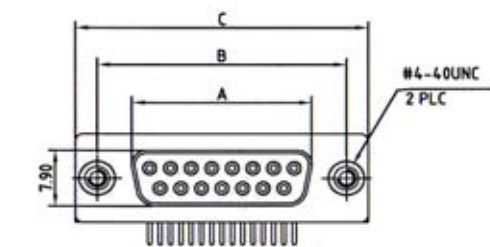
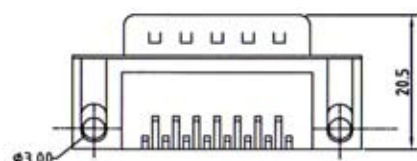
"NJ" ASSEMBLED SCREWS (4.8MM)

D-SUB. CONNECTOR RIGHT ANGLE WITHOUT BOARDLOCKS (CONTACT EXTENSION: 9.4MM)



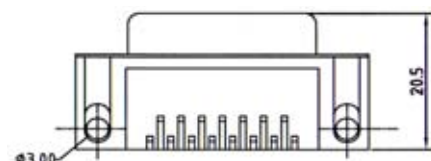
5273

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5274

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

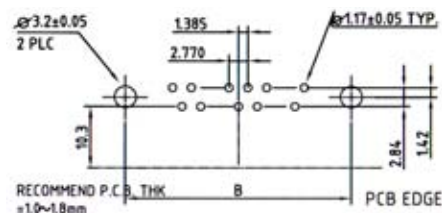
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.



Recommended P.C. Board Layout

NB	NA
NK	NL

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"73" MALE

"74" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

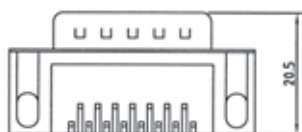
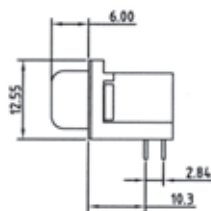
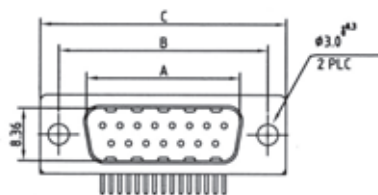
"NA" LOCKED SCREWS (4.8MM)

"NB" WITHOUT SCREWS (5.8MM)

"NL" LOOSE SCREWS (4.8MM)

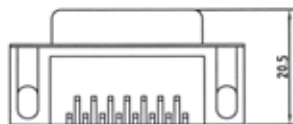
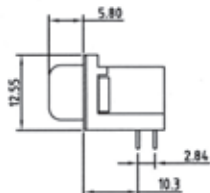
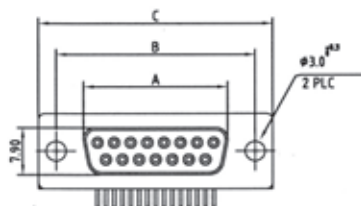
"NK" ASSEMBLED SCREWS (4.8MM)

D-SUB. RIGHT ANGLE CONNECTOR WITH 2 THROUGH HOLES (CONTACT EXTENSION=9.4MM)



5273

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5274

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.83	63.50	69.32

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT

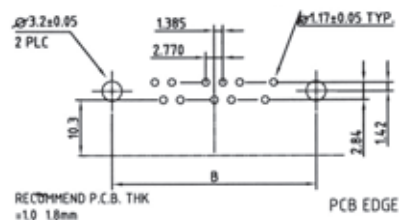
Contact: Copper Alloy

Shell: SPCC

Z-Piece: Copper Alloy

Rivet: Copper Alloy or Zinc

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 2 $\frac{x}{1} \frac{x}{2}$ T B 2 H O

1. CONNECTOR TYPE:

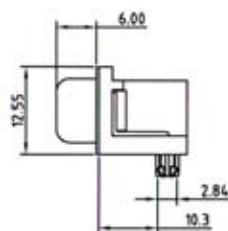
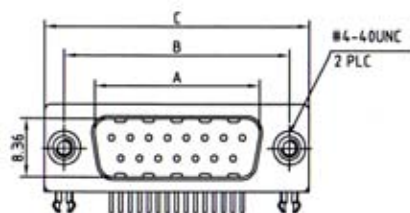
"73" MALE

"74" FEMALE

2. NO. OF CONTACTS:

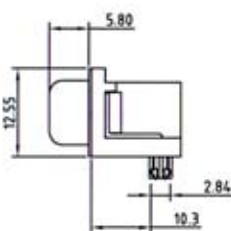
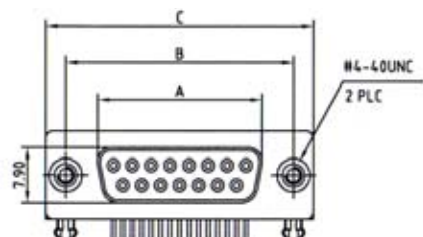
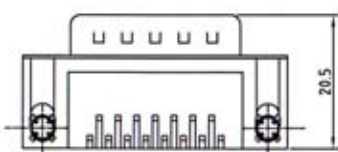
09, 15, 25, 37

D-SUB. CONNECTOR RIGHT ANGLE WITH STAMPED CONTACTS WITH 4 PRONGED BOARDLOCKS (CONTACT EXTENSION: 9.4MM)



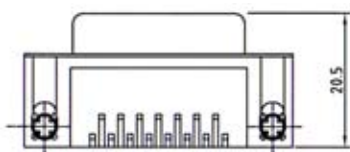
5189

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5190

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

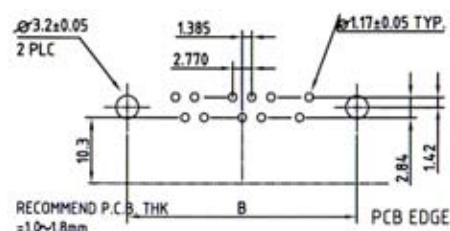
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C. Board Layout

N	(BLANK)
NJ	NH

ORDERING INFORMATION:

P/N 51 $\frac{xx}{1}$ - $\frac{xx}{2}$ T B / $\frac{xx}{3}$

1. CONNECTOR TYPE:

"89" MALE

"90" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

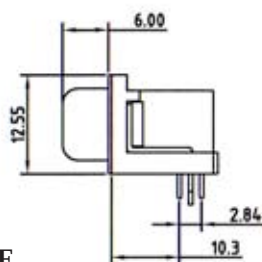
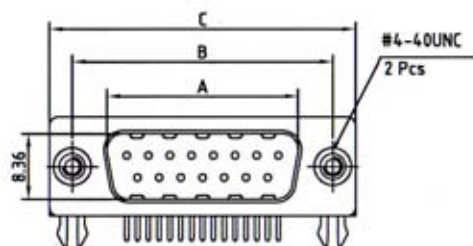
" " LOCKED SCREWS (4.8MM)

"N" WITHOUT SCREWS (5.8MM)

"NH" LOOSE SCREWS (4.8MM)

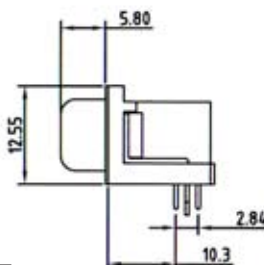
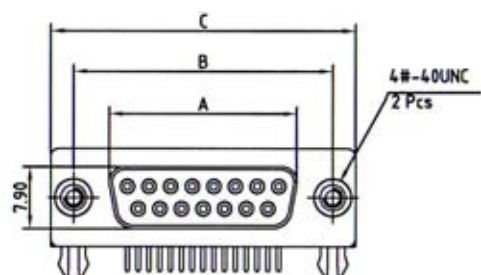
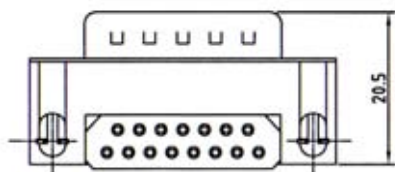
"NJ" ASSEMBLED SCREWS (4.8MM)

D-SUB. CONNECTOR RIGHT ANGLE TYPE WITH FERRITE (CONTACT EXTENSION: 9.4MM)



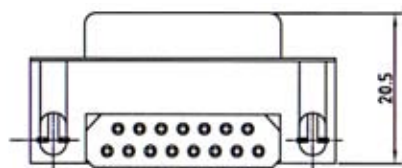
5141F

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5142F

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

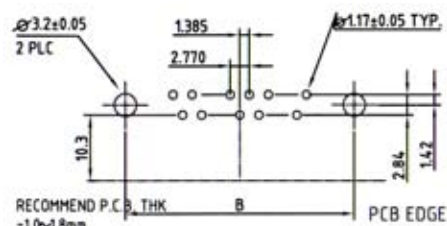
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C. Board Layout

N	(BLANK)
NJ	NH

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"41" MALE

"42" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

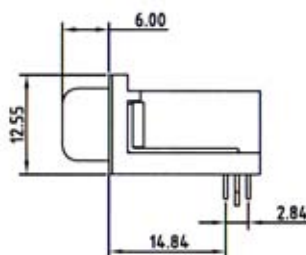
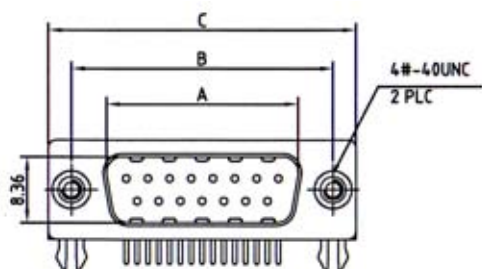
" " LOCKED SCREWS (4.8MM)

"N" WITHOUT SCREWS (5.8MM)

"NH" LOOSE SCREWS (4.8MM)

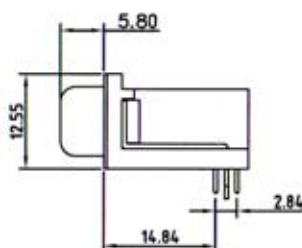
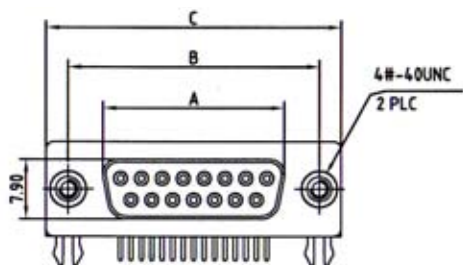
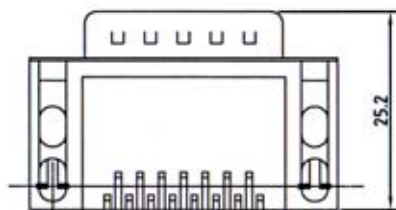
"NJ" ASSEMBLED SCREWS (4.8MM)

D-SUB. CONNECTOR RIGHT ANGLE TYPE WITH STAMPED CONTACTS (CONTACT EXTENSION: 13.84MM)



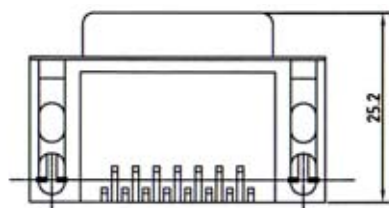
5263

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.92	24.99	30.81
15	25.25	33.32	39.14
25	38.96	47.04	53.04
37	55.42	63.50	69.32



5264

No. of Contacts	Dimensions(mm)		
	A	B	C
09	16.33	24.99	30.81
15	24.66	33.32	39.14
25	38.38	47.04	53.04
37	54.84	63.50	69.32



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

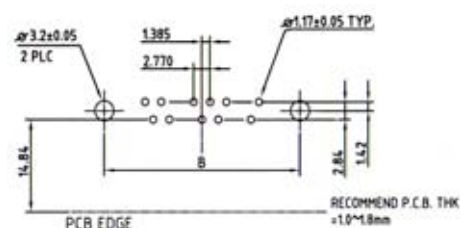
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

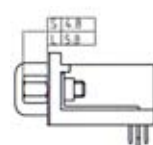
Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

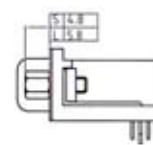


Recommended P.C. Board Layout

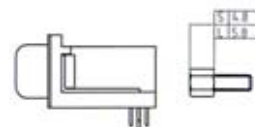
(BLANK)



NJ



NH



ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"63" MALE

"64" FEMALE

2. NO. OF CONTACTS:

09, 15, 25, 37

3. MOUNTING OPTION:

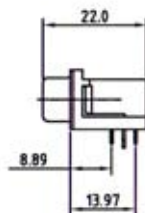
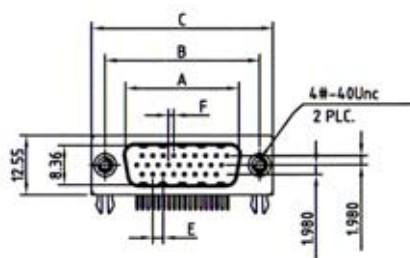
" " LOCKED SCREWS (4.8MM)

"N" WITHOUT SCREWS (5.8MM)

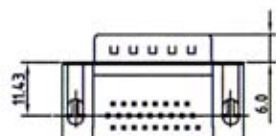
"NH" LOOSE SCREWS (4.8MM)

"NJ" ASSEMBLED SCREWS (4.8MM)

D-SUB. HIGH DENSITY CONNECTOR RIGHT ANGLE TYPE WITH BOARDLOCKS (8.89MM STANDARD)



5267



No. of Contacts	Dimensions(mm)					
	A	B	C	E	F	H
15	16.92	24.99	30.81	2.29	1.145	7.04
26	25.25	33.32	39.14	2.29	1.145	6.88
44	38.96	47.04	53.04	2.29	1.145	6.88
62	55.42	63.50	69.32	2.41	1.205	7.00

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

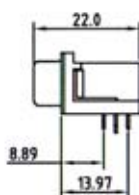
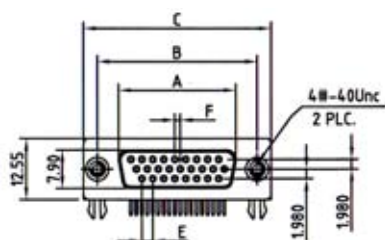
Contact: Brass

Shell: Brass, Steel

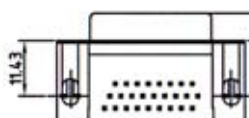
Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

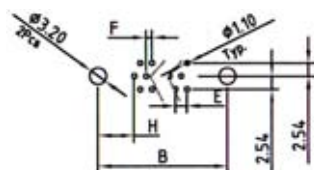
***RoHS & REACH compliant.**



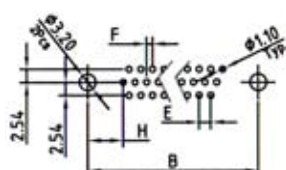
5268



No. of Contacts	Dimensions(mm)					
	A	B	C	E	F	H
15	16.33	24.99	30.81	2.29	1.145	7.04
26	24.66	33.32	39.14	2.29	1.145	6.88
44	38.38	47.04	53.04	2.29	1.145	6.88
62	54.84	63.50	69.32	2.41	1.205	7.00



**Recommended P.C. Board Layout
(15 POSITION)**



**Recommended P.C. Board Layout
(26, 44, 62 POSITION)**

N	(BLANK)
NJ	NH

ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"67" MALE

"68" FEMALE

2. NO. OF CONTACTS:

15, 26, 44, 62

3. MOUNTING OPTION:

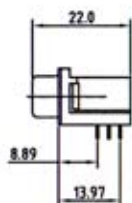
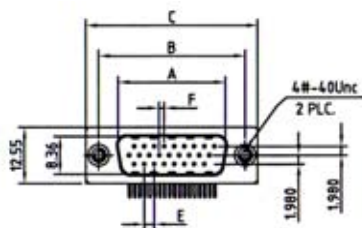
" " LOCKED SCREWS (4.8MM)

"N" WITHOUT SCREWS (5.8MM)

"NH" LOOSE SCREWS (4.8MM)

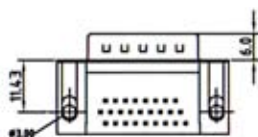
"NJ" ASSEMBLED SCREWS (4.8MM)

D-SUB. HIGH DENSITY CONNECTOR RIGHT ANGLE TYPE WITHOUT BOARDLOCKS (8.89MM)



5267

No. of Contacts	Dimensions(mm)					
	A	B	C	E	F	H
15	16.92	24.99	30.81	2.29	1.145	7.04
26	25.25	33.32	39.14	2.29	1.145	6.88
44	38.96	47.04	53.04	2.29	1.145	6.88
62	55.42	63.50	69.32	2.41	1.205	7.00



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

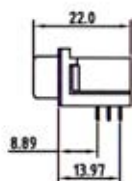
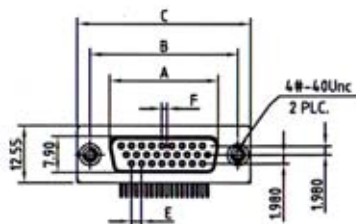
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

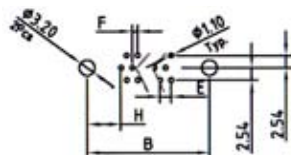
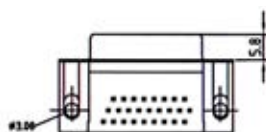
Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

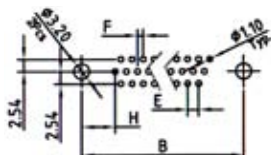


5268

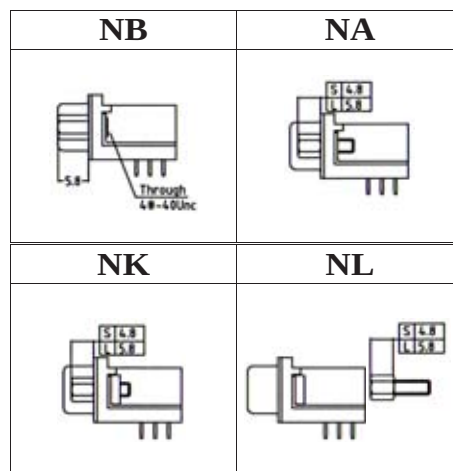
No. of Contacts	Dimensions(mm)					
	A	B	C	E	F	H
15	16.33	24.99	30.81	2.29	1.145	7.04
26	24.66	33.32	39.14	2.29	1.145	6.88
44	38.38	47.04	53.04	2.29	1.145	6.88
62	54.84	63.50	69.32	2.41	1.205	7.00



Recommended P.C.Board Layout (15 POSITION)



Recommended P.C.Board Layout (26, 44, 62 POSITION)



ORDERING INFORMATION:

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

1. CONNECTOR TYPE:

"67" MALE

"68" FEMALE

2. NO. OF CONTACTS:

15, 26, 44, 62, 78

3. MOUNTING OPTION:

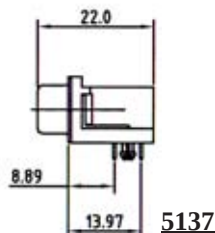
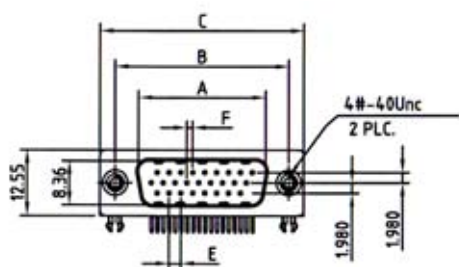
"NA" LOCKED SCREWS (4.8MM)

"NB" WITHOUT SCREWS (5.8MM)

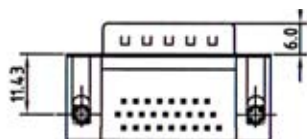
"NL" LOOSE SCREWS (4.8MM)

"NK" ASSEMBLED SCREWS (4.8MM)

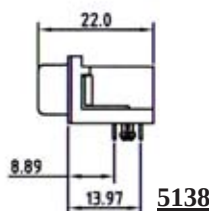
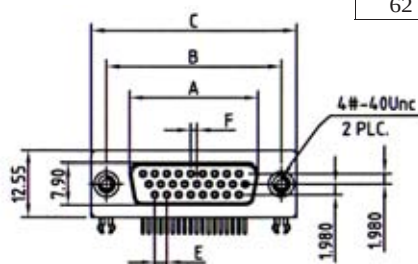
D-SUB. HIGH DENSITY CONNECTOR RIGHT ANGLE TYPE WITH 4 PRONGED BOARDLOCKS (STANDARD: 8.89MM)



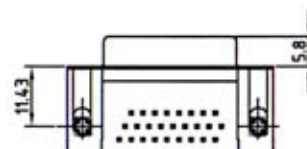
5137



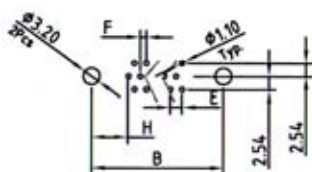
No. of Contacts	Dimensions(mm)					
	A	B	C	E	F	H
15	16.92	24.99	30.81	2.29	1.145	7.04
26	25.25	33.32	39.14	2.29	1.145	6.88
44	38.96	47.04	53.04	2.29	1.145	6.88
62	55.42	63.50	69.32	2.41	1.205	7.00



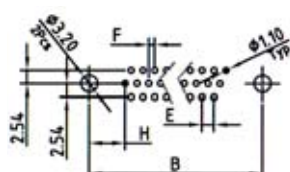
5138



No. of Contacts	Dimensions(mm)					
	A	B	C	E	F	H
15	16.33	24.99	30.81	2.29	1.145	7.04
26	24.66	33.32	39.14	2.29	1.145	6.88
44	38.38	47.04	53.04	2.29	1.145	6.88
62	54.84	63.50	69.32	2.41	1.205	7.00



Recommended P.C.Board Layout
(15 POSITION)



Recommended P.C.Board Layout
(26, 44, 62 POSITION)

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

N	(BLANK)
NJ	NH

ORDERING INFORMATION:

P/N 51 $\frac{xx}{1}$ - $\frac{xx}{2}$ T B / $\frac{xx}{3}$

1. CONNECTOR TYPE:

"37" MALE

"38" FEMALE

2. NO. OF CONTACTS:

15, 26, 44, 62, 78

3. MOUNTING OPTION:

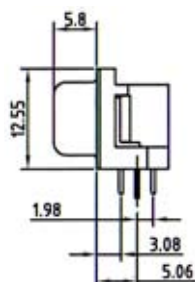
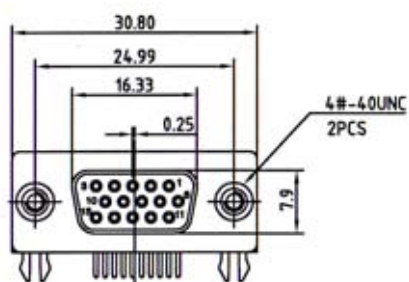
" " LOCKED SCREWS (4.8MM)

"N" WITHOUT SCREWS (5.8MM)

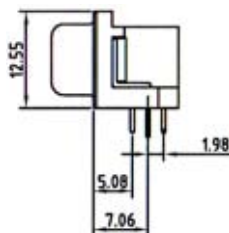
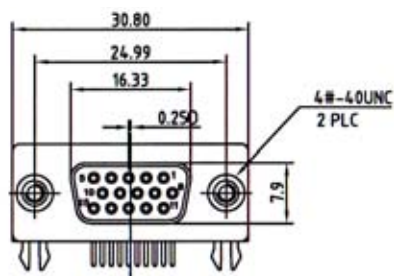
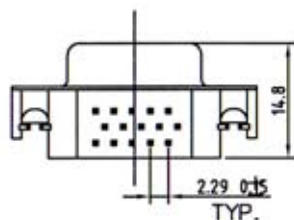
"NH" LOOSE SCREWS (4.8MM)

"NJ" ASSEMBLED SCREWS (4.8MM)

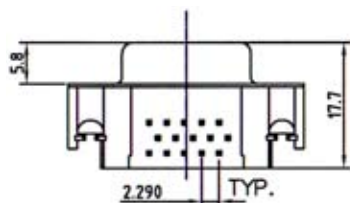
D-SUB. HIGH DENSITY FEMALE CONNECTOR RIGHT ANGLE TYPE (OPTIONAL: 3.08MM & 5.08MM)



5180



5186



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

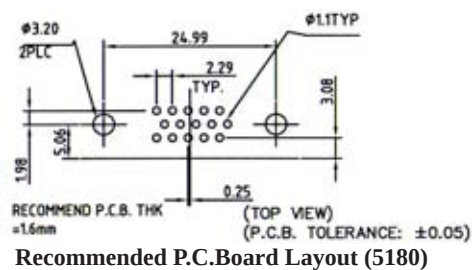
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



N	NJ
NH	

ORDERING INFORMATION:

P/N 51 $\frac{xx}{1}$ - $\frac{1.5}{2}$ T B / $\frac{xx}{3}$

1. CONNECTOR TYPE:

"80" FEMALE WITH EXTENSION= 3.08MM

"86" FEMALE WITH EXTENSION= 5.08MM

2. NO. OF CONTACTS:

15

3. MOUNTING OPTION:

" " LOCKED SCREWS (4.8MM)

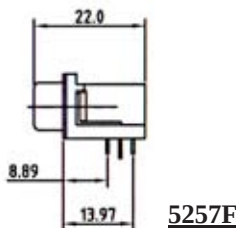
"N" WITHOUT SCREWS (5.8MM)

"NH" LOOSE SCREWS (4.8MM)

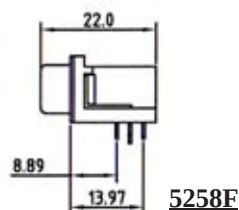
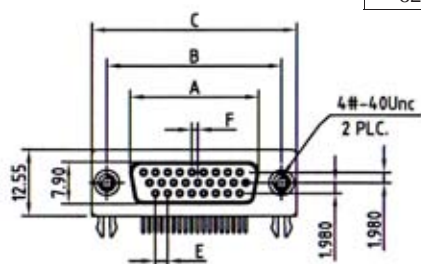
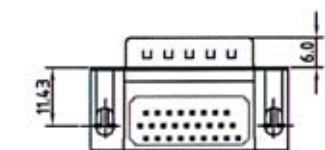
"NJ" ASSEMBLED SCREWS (4.8MM)

Technical drawing of a rectangular plate with dimensions and labels:

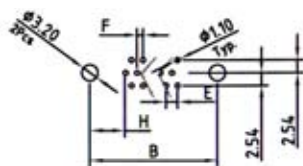
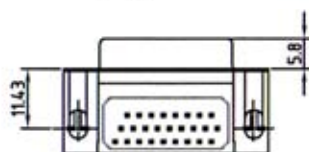
- Overall width: C
- Inner width: B
- Inner width (excluding holes): A
- Distance from center to hole center: F
- Overall height: E
- Distance from top edge to hole center: 12.55
- Distance from hole center to bottom edge: 8.36
- Distance from hole center to bottom edge (alternative): 1.980
- Distance from hole center to bottom edge (alternative): 1.980
- Thread specification: $4\text{H}-40\text{Unc}$
- Material specification: 2 PLC



No. of Contacts	Dimensions(mm)					
	A	B	C	E	F	H
15	16.92	24.99	30.81	2.29	1.145	7.04
26	25.25	33.32	39.14	2.29	1.145	6.88
44	38.96	47.04	53.04	2.29	1.145	6.88
62	55.42	63.50	69.32	2.41	1.205	7.00



No. of Contacts	Dimensions(mm)					
	A	B	C	E	F	H
15	16.33	24.99	30.81	2.29	1.145	7.04
26	24.66	33.32	39.14	2.29	1.145	6.88
44	38.38	47.04	53.04	2.29	1.145	6.88
62	54.84	63.50	69.32	2.41	1.205	7.00



**Recommended P.C.Board Layout
(26, 44, 62 POSITION)**

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

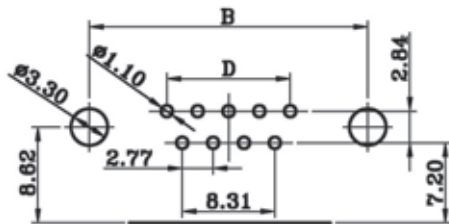
***RoHS & REACH compliant.**

N	(BLANK)
NJ	NH

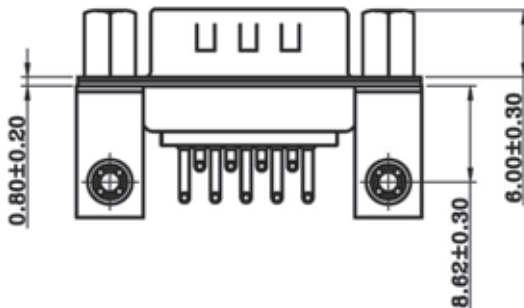
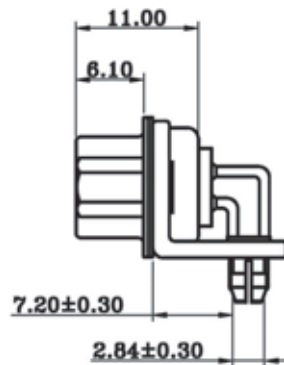
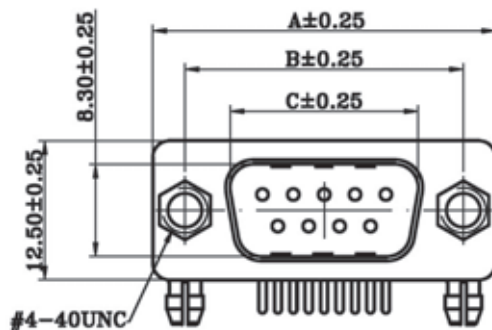
P/N 5 2 xx F - xx T B / xx
1 2 3

- # ELITALIA

D-SUB. 9, 15, 25, 37 PIN RIGHT ANGLE MALE CONNECTOR WITH MACHINED CONTACTS & METAL BRACKETS (7.2MM)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 5 Amp

Contact Resistance: 10MΩ Max.

Dielectric Withstanding Voltage:
1000V AC Min.

Insulation Resistance: 5GΩ Min.

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

MATERIALS

Shell: Steel, Front Shell Tin Finished

Back Shell Tin Finished

Insulator: PBT Thermoplastic, 30% Glass
Filled, UL94V-0

Single Contact: Copper Alloy, Gold Flash

*RoHS & REACH compliant.

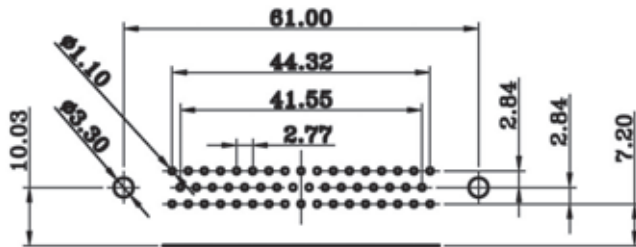
No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	30.80	25.00	16.90	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.05	38.95	33.24
37	69.40	63.50	55.40	49.86

ORDERING INFORMATION:

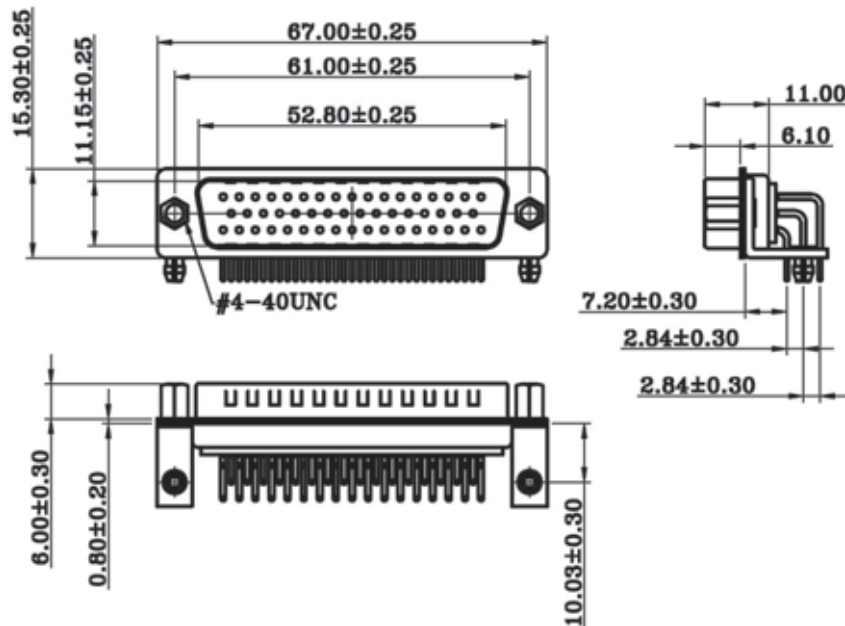
P/N 5 7 4 7 - x x T x / R V
1 2 3 4 5

- CONNECTOR TYPE & FOOTPRINT:
"47" MALE WITH FOOTPRINT=7.2MM
- NO. OF CONTACTS:
09, 15, 25, 37
- SHELL FINISH:
"T" FULL TIN PLATED
- INSULATOR COLOR:
"B" BLACK
"W" WHITE
- MOUNTING TYPE:
"RV" METAL BRACKET #4-40 UNC
WITH NUTS

D-SUB. 50 PIN RIGHT ANGLE MALE CONNECTOR WITH MACHINED CONTACTS & METAL BRACKETS (7.2MM)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 5 Amp

Contact Resistance: 10MΩ Max.

Dielectric Withstanding Voltage:
1000V AC Min.

Insulation Resistance: 5GΩ Min.

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

MATERIALS

Shell: Steel, Front Shell Tin Finished

Back Shell Tin Finished

Insulator: PBT Thermoplastic, 30% Glass
Filled, UL94V-0

Single Contact: Copper Alloy, Gold Flash

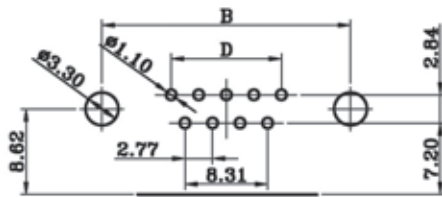
*RoHS & REACH compliant.

ORDERING INFORMATION:

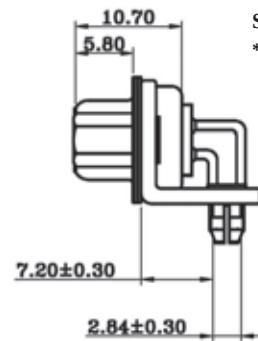
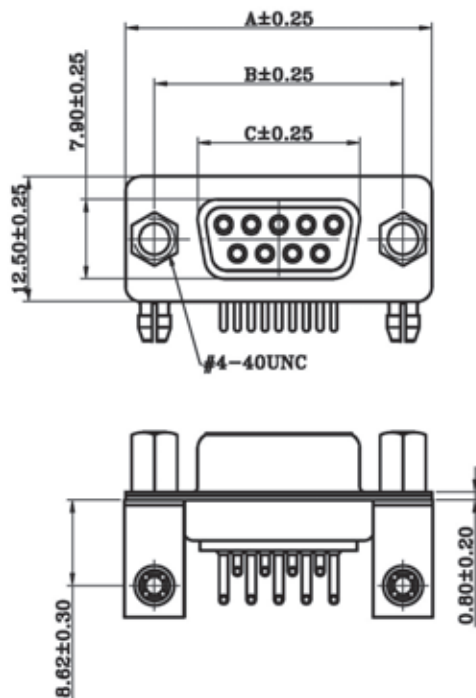
P/N 5 7 4 7 - 5 0 T x / R V
1 2 3 4 5

1. CONNECTOR TYPE & FOOTPRINT:
"47" MALE WITH FOOTPRINT=7.2MM
2. NO. OF CONTACTS:
50
3. SHELL FINISH:
"T" FULL TIN PLATED
4. INSULATOR COLOR:
"B" BLACK
"W" WHITE
5. MOUNTING TYPE:
"RV" METAL BRACKET #4-40 UNC
WITH NUTS

D-SUB. 9, 15, 25, 37 PIN RIGHT ANGLE FEMALE CONNECTOR WITH MACHINED CONTACTS & METAL BRACKETS (7.2MM)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 5 Amp

Contact Resistance: 10MΩ Max.

Dielectric Withstanding Voltage:
1000V AC Min.

Insulation Resistance: 5GΩ Min.

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

MATERIALS

Shell: Steel, Front Shell Tin Finished

Back Shell Tin Finished

Insulator: PBT Thermoplastic, 30% Glass
Filled, UL94V-0

Single Contact: Copper Alloy, Gold Flash

*RoHS & REACH compliant.

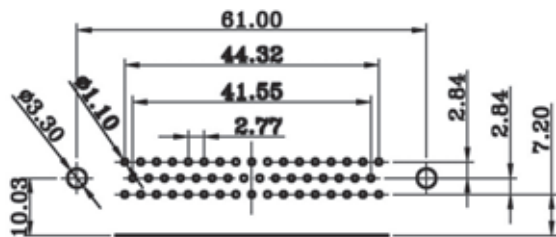
No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	30.80	25.00	16.90	11.08
15	39.20	33.30	24.60	19.39
25	53.05	47.05	38.40	33.24
37	69.40	63.50	55.80	49.86

ORDERING INFORMATION:

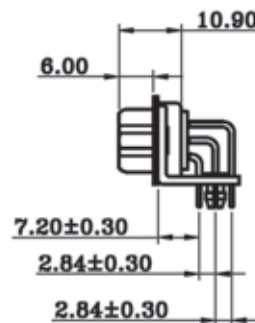
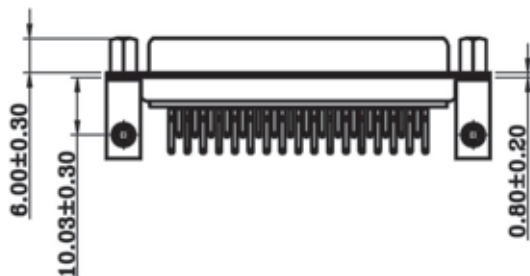
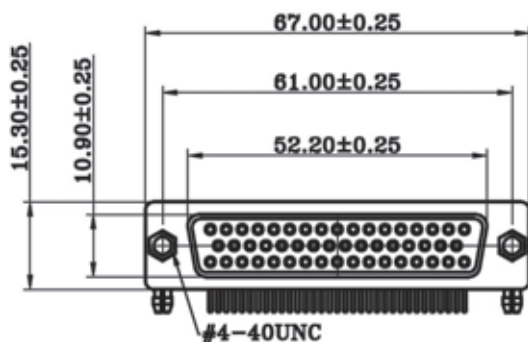
P/N 5 7 48 - x x T x / R V
1 2 3 4 5

- CONNECTOR TYPE & FOOTPRINT:
"48" FEMALE WITH FOOTPRINT=7.2MM
- NO. OF CONTACTS:
09, 15, 25, 37
- SHELL FINISH:
"T" FULL TIN PLATED
- INSULATOR COLOR:
"B" BLACK
"W" WHITE
- MOUNTING TYPE:
"RV" METAL BRACKET #4-40 UNC
WITH NUTS

D-SUB. 50 PIN RIGHT ANGLE FEMALE CONNECTOR WITH MACHINED CONTACTS & METAL BRACKETS (7.2MM)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 5 Amp

Contact Resistance: 10MΩ Max.

Dielectric Withstanding Voltage:
1000V AC Min.

Insulation Resistance: 5GΩ Min.

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

MATERIALS

Shell: Steel, Front Shell Tin Finished

Back Shell Tin Finished

Insulator: PBT Thermoplastic, 30% Glass
Filled, UL94V-0

Single Contact: Copper Alloy, Gold Flash

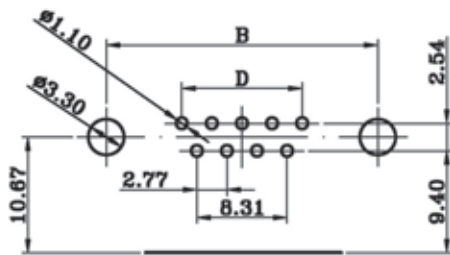
*RoHS & REACH compliant.

ORDERING INFORMATION:

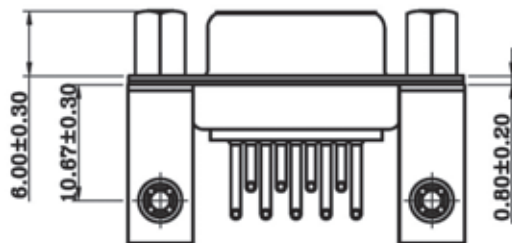
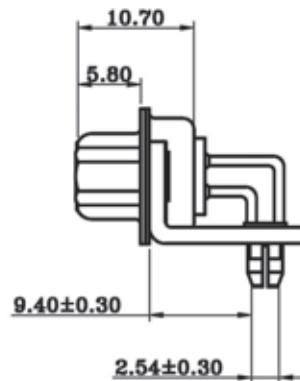
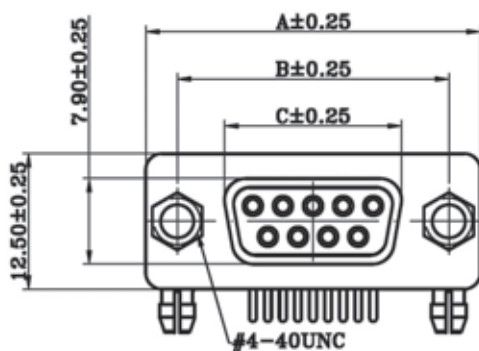
P/N 5 7 48 - 50 T x / R V
1 2 3 4 5

1. CONNECTOR TYPE & FOOTPRINT:
"48" FEMALE WITH FOOTPRINT=7.2MM
2. NO. OF CONTACTS:
50
3. SHELL FINISH:
"T" FULL TIN PLATED
4. INSULATOR COLOR:
"B" BLACK
"W" WHITE
5. MOUNTING TYPE:
"RV" METAL BRACKET #4-40 UNC
WITH NUTS

D-SUB. 9, 15, 25, 37 PIN RIGHT ANGLE MALE CONNECTOR WITH MACHINED CONTACTS & METAL BRACKETS (9.4MM)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 5 Amp

Contact Resistance: 10MΩ Max.

Dielectric Withstanding Voltage:
1000V AC Min.

Insulation Resistance: 5GΩ Min.

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

MATERIALS

Shell: Steel, Front Shell Tin Finished

Back Shell Tin Finished

Insulator: PBT Thermoplastic, 30% Glass
Filled, UL94V-0

Single Contact: Copper Alloy, Gold Flash

*RoHS & REACH compliant.

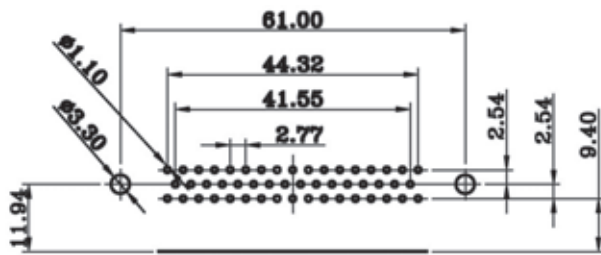
No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	30.80	25.00	16.90	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.05	38.95	33.24
37	69.40	63.50	55.40	49.86

ORDERING INFORMATION:

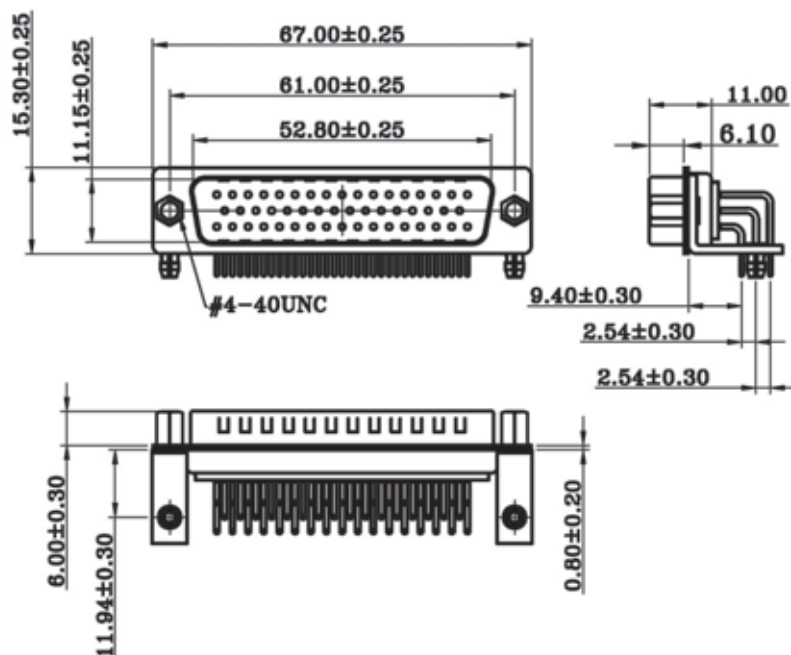
P/N 5 7 49 - x x T x / R V
1 2 3 4 5

- CONNECTOR TYPE & FOOTPRINT:
"49" MALE WITH FOOTPRINT=9.4MM
- NO. OF CONTACTS:
09, 15, 25, 37
- SHELL FINISH:
"T" FULL TIN PLATED
- INSULATOR COLOR:
"B" BLACK
"W" WHITE
- MOUNTING TYPE:
"RV" METAL BRACKET #4-40 UNC
WITH NUTS

D-SUB. 50 PIN RIGHT ANGLE MALE CONNECTOR WITH MACHINED CONTACTS & METAL BRACKETS (9.4MM)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 5 Amp

Contact Resistance: 10MΩ Max.

Dielectric Withstanding Voltage:
1000V AC Min.

Insulation Resistance: 5GΩ Min.

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

MATERIALS

Shell: Steel, Front Shell Tin Finished

Back Shell Tin Finished

Insulator: PBT Thermoplastic, 30% Glass
Filled, UL94V-0

Single Contact: Copper Alloy, Gold Flash

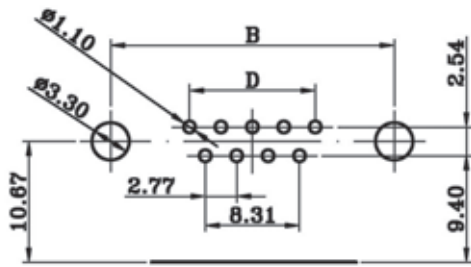
*RoHS & REACH compliant.

ORDERING INFORMATION:

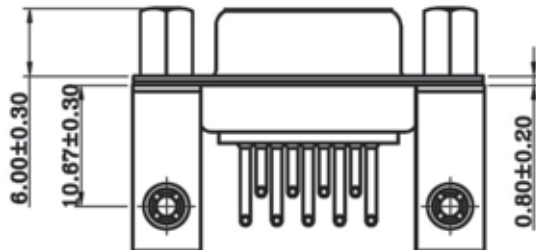
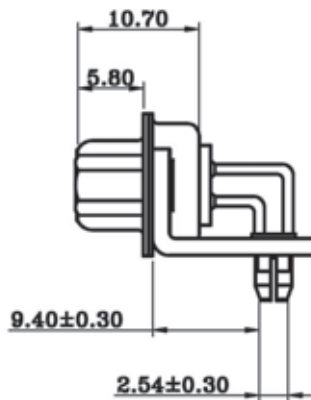
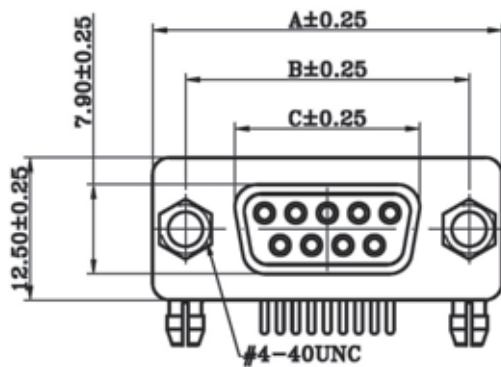
P/N 5 7 49 - 50 T_x / R V
1 2 3 4 5

1. CONNECTOR TYPE & FOOTPRINT:
"49" MALE WITH FOOTPRINT=9.4MM
2. NO. OF CONTACTS:
50
3. SHELL FINISH:
"T" FULL TIN PLATED
4. INSULATOR COLOR:
"B" BLACK
"W" WHITE
5. MOUNTING TYPE:
"RV" METAL BRACKET #4-40 UNC
WITH NUTS

D-SUB. 9, 15, 25, 37 PIN RIGHT ANGLE FEMALE CONNECTOR WITH MACHINED CONTACTS & METAL BRACKETS (9.4MM)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 5 Amp

Contact Resistance: 10MΩ Max.

Dielectric Withstanding Voltage:
1000V AC Min.

Insulation Resistance: 5GΩ Min.

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

MATERIALS

Shell: Steel, Front Shell Tin Finished

Back Shell Tin Finished

Insulator: PBT Thermoplastic, 30% Glass
Filled, UL94V-0

Single Contact: Copper Alloy, Gold Flash

*RoHS & REACH compliant.

No. of Contacts	Dimensions(mm)			
	A	B	C	D
09	30.80	25.00	16.30	11.08
15	39.20	33.30	24.60	19.39
25	53.05	47.05	38.40	33.24
37	69.40	63.50	55.80	49.86

ORDERING INFORMATION:

P/N 5 7 50 - x x T x / R V
1 2 3 4 5

- CONNECTOR TYPE & FOOTPRINT:
"50" FEMALE WITH FOOTPRINT=9.4MM
- NO. OF CONTACTS:
09, 15, 25, 37
- SHELL FINISH:
"T" FULL TIN PLATED
- INSULATOR COLOR:
"B" BLACK
"W" WHITE
- MOUNTING TYPE:
"RV" METAL BRACKET #4-40 UNC
WITH NUTS

Figure 1 is a plan view of the bridge deck. It shows a rectangular deck with a total width of 61.00m. The reinforcement layout is indicated by a grid of dots representing bars. Key dimensions include: a total width of 61.00m, a width of 44.32m for the main reinforcement area, a width of 41.55m for the inner reinforcement area, and a spacing of 2.77m between reinforcement bars. The deck is supported by two piers, with dimensions of 2.54m and 9.40m shown for the pier widths. The reinforcement bars are labeled with diameters of 11.10 and 11.94.

Technical drawing of the 100-pin connector showing top and side views with dimensions.

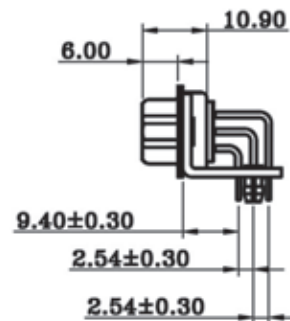
Top View Dimensions:

- Overall width: 67.00 ± 0.25
- Width of the central pin array area: 61.00 ± 0.25
- Width of the pin array itself: 52.20 ± 0.25
- Distance from the top edge to the top of the pin array: 15.30 ± 0.25
- Distance from the top of the pin array to the top of the mounting flange: 10.90 ± 0.25
- Thread specification for mounting holes: #4-40UNC

Side View Dimensions:

- Overall height: 6.00 ± 0.30
- Height of the pin array area: 11.94 ± 0.30
- Height of the mounting flange: 0.80 ± 0.20

Shell: Steel, Front Shell Tin Finished
Back Shell Tin Finished
Insulator: PBT Thermoplastic, 30% Glass
Filled, UL94V-0
Single Contact: Copper Alloy, Gold Flash
***RoHS & REACH compliant.**



P/N 57 50 - 50 T_x / R V
1 2 3 4 5

- ELITALIA

SLIM DB9 MALE CONNECTOR RIGHT ANGLE DIP TYPE

SPECIFICATIONS

Current Rating: 5 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 1000MΩ Min. at 500V DC

Withstanding Voltage: 1000V AC

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

Max Processing Temperature:

210°C for 30~60 Seconds

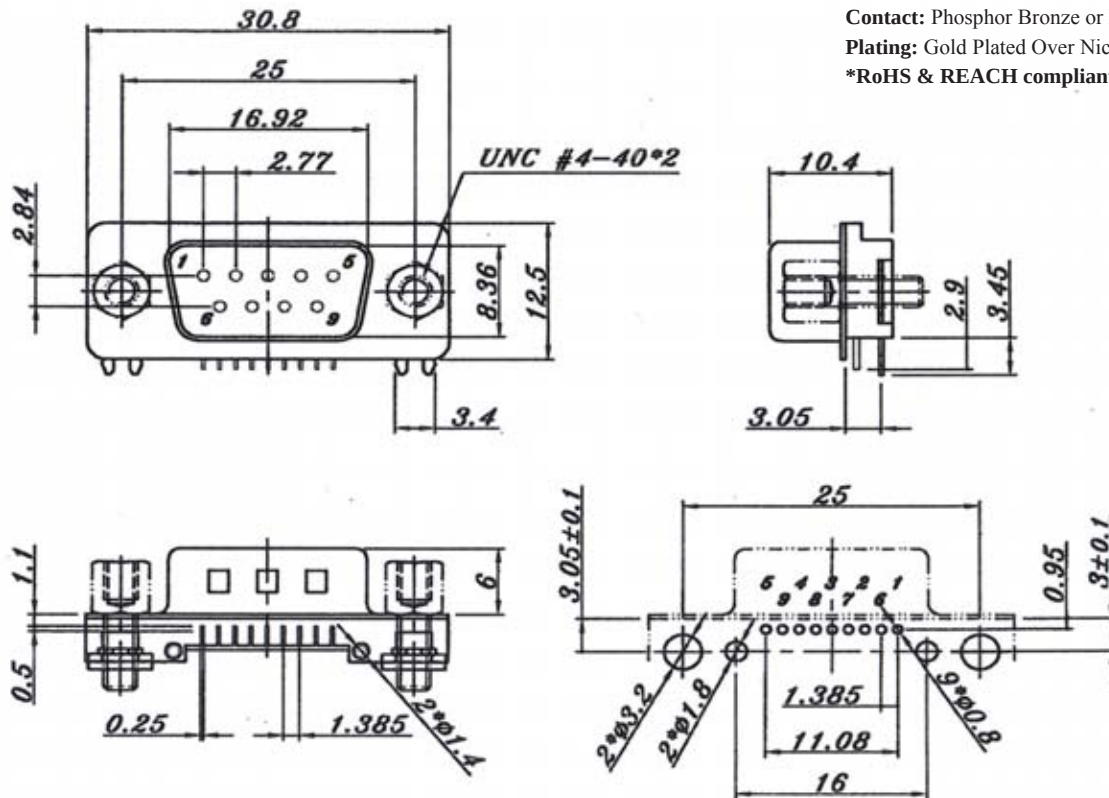
MATERIALS

Insulator: NY9T, UL94V-0

Contact: Phosphor Bronze or Brass

Plating: Gold Plated Over Nickel in Contact Area

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 299 - DB09 RA / xx
1 2 3 4

1. CONNECTOR TYPE:

"299" MALE

2. NO. OF CONTACTS:

"DB09" DB9M

3. TERMINAL TYPE:

"RA" R/A DIP TYPE

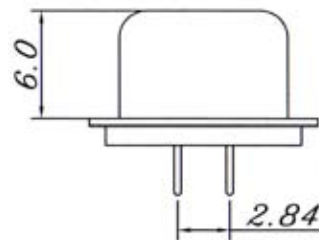
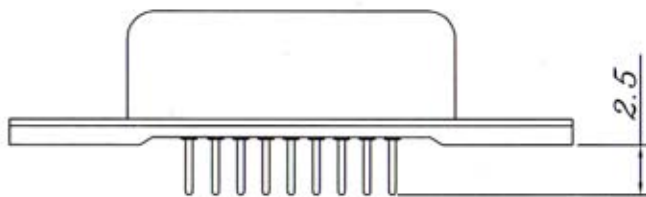
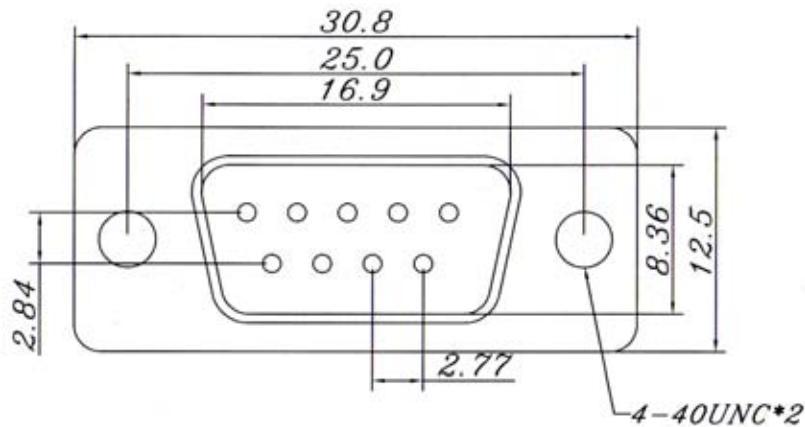
4. FLANGE MOUNTING OPTION:

"N" #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

SLIM DB9 MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE



SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 500MΩ Min. at 500V DC

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

Max Processing Temperature:

230°C for 30~60 Seconds

MATERIALS

Insulator: High Temperature Housing (UL94V-0)

IR and VPR Soldering Methods.

Contact: Phosphor Bronze

Plated: Selective Gold Plated

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N 5 299 - DB09 STR
1 2 3

1. CONNECTOR TYPE:

"299" MALE

2. NO. OF CONTACTS:

"DB09" DB9M MACHINED PINS

3. TERMINAL TYPE:

"STR" STRAIGHT DIP TYPE

SLIM DB9 MALE CONNECTOR RIGHT ANGLE SMT TYPE

SPECIFICATIONS

Current Rating: 5 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 1000MΩ Min. at 500V DC

Withstanding Voltage: 1000V AC

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

Max Processing Temperature:

230°C for 60 Seconds

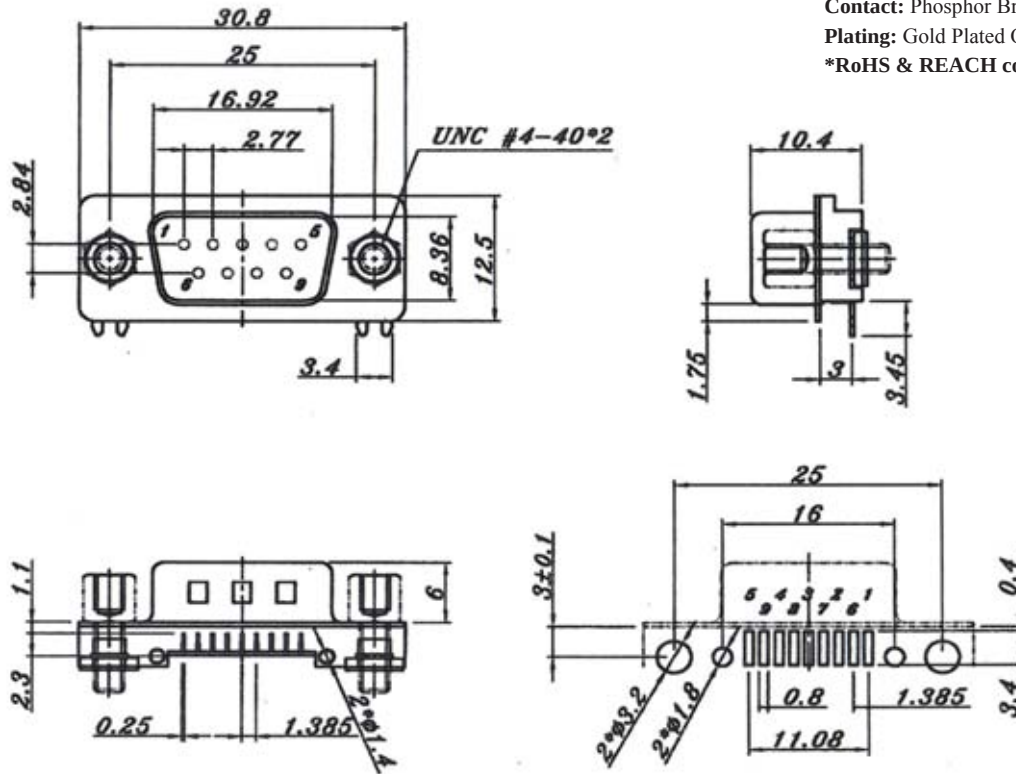
MATERIALS

Insulator: NY9T, UL94V-0

Contact: Phosphor Bronze or Brass

Plating: Gold Plated Over Nickel in Contact Area

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 299 - DB09 SMT / xx
1 2 3 4

1. CONNECTOR TYPE:

"299" MALE

2. NO. OF CONTACTS:

"DB09" DB9M

3. TERMINAL TYPE:

"SMT" R/A SMT TYPE

4. FLANGE MOUNTING OPTION:

"N" #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

SLIM DB9 FEMALE CONNECTOR RIGHT ANGLE DIP TYPE

SPECIFICATIONS

Current Rating: 5 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 1000MΩ Min. at 500V DC

Withstanding Voltage: 1000V AC

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

Max Processing Temperature:

210°C for 30~60 Seconds

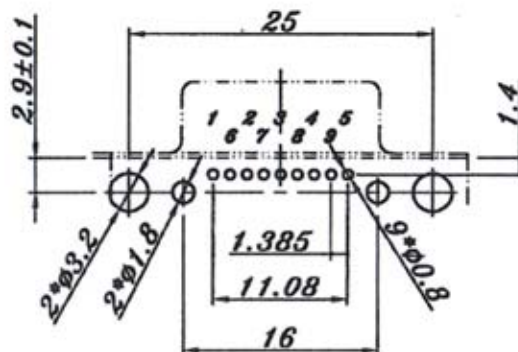
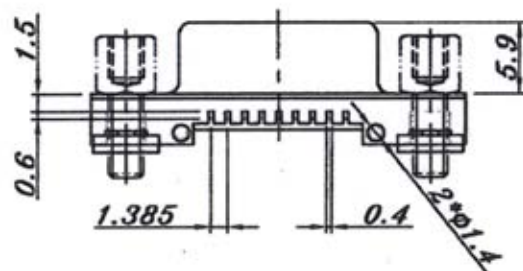
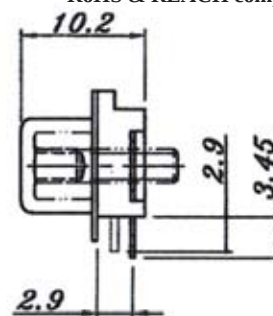
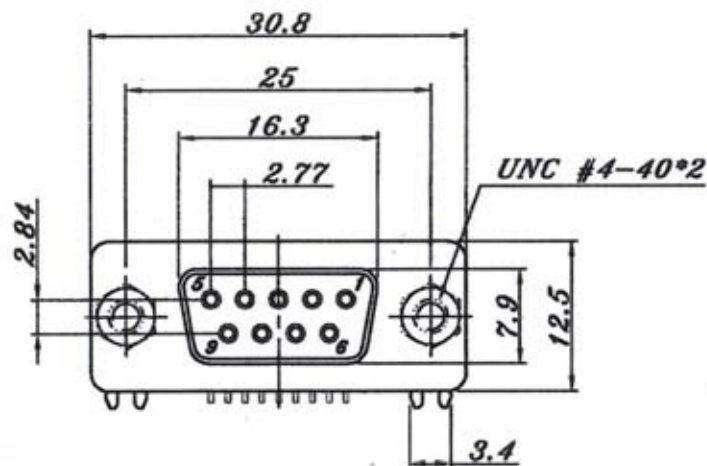
MATERIALS

Insulator: NY9T, UL94V-0

Contact: Phosphor Bronze or Brass

Plating: Gold Plated Over Nickel in Contact Area

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 300 - DB09 RA / xx
1 2 3 4

1. CONNECTOR TYPE:

"300" FEMALE

2. NO. OF CONTACTS:

"DB09" DB9F

3. TERMINAL TYPE:

"RA" R/A DIP TYPE

4. FLANGE MOUNTING OPTION:

"N" #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

SLIM DB9 FEMALE CONNECTOR RIGHT ANGLE SMT TYPE

SPECIFICATIONS

Current Rating: 5 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 1000MΩ Min. at 500V DC

Withstanding Voltage: 1000V AC

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

Max Processing Temperature:
210°C for 30~60 Seconds

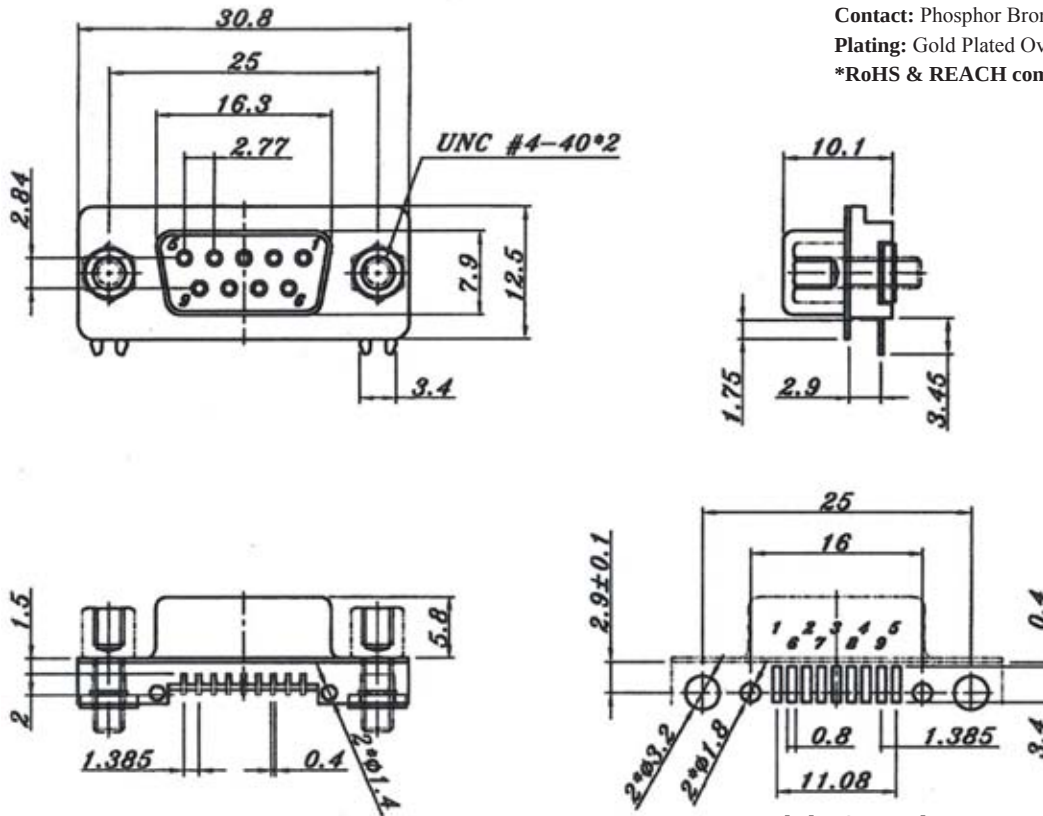
MATERIALS

Insulator: NY9T, UL94V-0

Contact: Phosphor Bronze or Brass

Plating: Gold Plated Over Nickel in Contact Area

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 300 - DB09 SMT / xx
1 2 3 4

1. CONNECTOR TYPE:

"300" FEMALE

2. NO. OF CONTACTS:

"DB09" DB9F

3. TERMINAL TYPE:

"SMT" R/A SMT TYPE

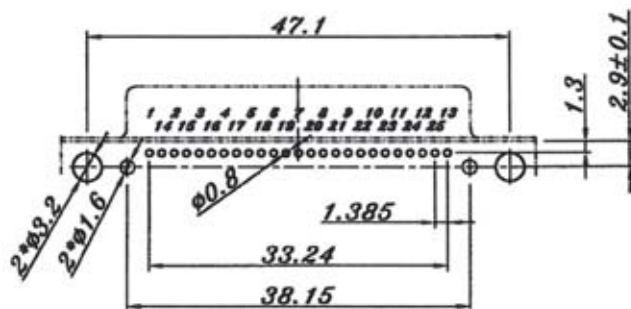
4. FLANGE MOUNTING OPTION:

"N" #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

SLIM DB25 FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 5 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 1000MΩ Min. at 500V DC

Withstanding Voltage: 1000V AC

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

Max Processing Temperature:

230°C for 60 Seconds

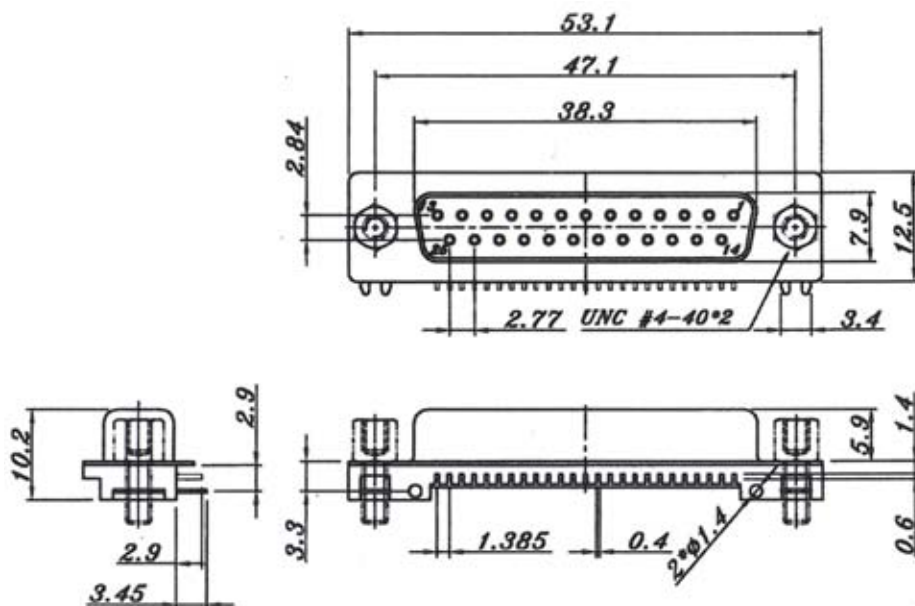
MATERIALS

Insulator: NY9T, UL94V-0

Contact: Phosphor Bronze or Brass

Plating: Gold Plated Over Nickel in Contact Area

***RoHS & REACH compliant.**



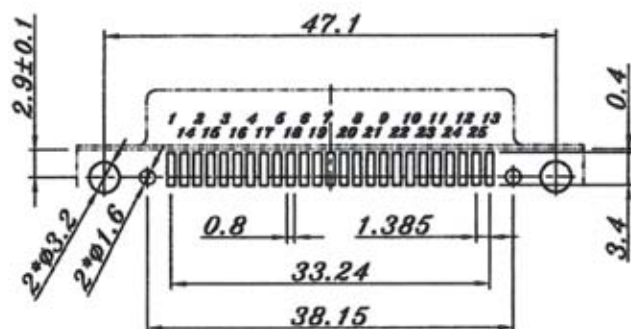
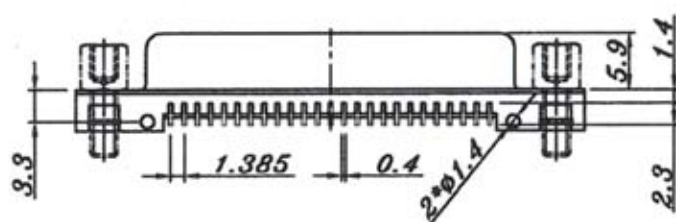
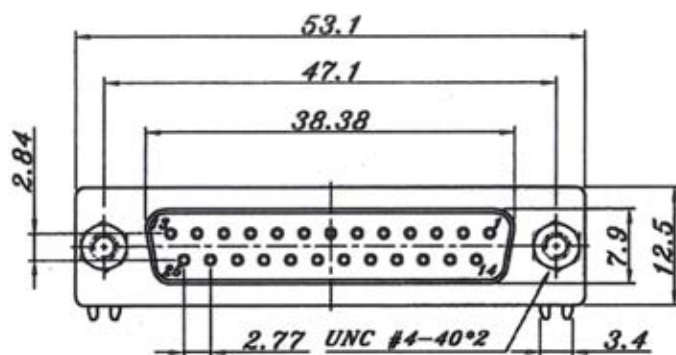
ORDERING INFORMATION:

P/N **5 3 0 0** - **D B 2 5** **R A** / **x x**
 1 **2** **3** **4**

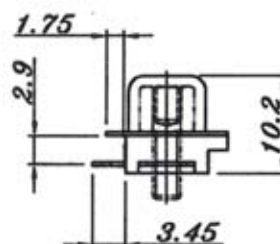
1. CONNECTOR TYPE:
"300" FEMALE
2. NO. OF CONTACTS:
"DB25" DB25F
3. TERMINAL TYPE:
"RA" R/A DIP TYPE

4. FLANGE MOUNTING OPTION:
 "N " #4-40UNC THREADED HOLES
 WITHOUT HEX SCREW BOLTS
 "NH" #4-40UNC THREADED HOLES
 WITH BULK-PACKED (LOOSE)
 #4-40UNC HEX SCREW BOLTS
 "NJ" #4-40UNC THREADED HOLES
 WITH INSTALLED (ASSEMBLED)
 #4-40UNC HEX SCREW BOLTS

SLIM DB25 FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 5 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 1000MΩ Min. at 500V DC

Withstanding Voltage: 1000V AC

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

Max Processing Temperature:

230°C for 60 Seconds

MATERIALS

Insulator: NY9T, UL94V-0

Contact: Phosphor Bronze or Brass

Plating: Gold Plated Over Nickel in Contact Area

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 300 - DB25 SMT / xx
1 2 3 4

1. CONNECTOR TYPE:

"300" FEMALE

2. NO. OF CONTACTS:

"DB25" DB25F

3. TERMINAL TYPE:

"SMT" R/A SMT TYPE

4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

SLIM HD15 FEMALE CONNECTOR RIGHT ANGLE DIP TYPE

SPECIFICATIONS

Current Rating: 5 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 1000MΩ Min. at 500V DC

Withstanding Voltage: 1000V AC

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

Max Processing Temperature:

230°C for 60 Seconds

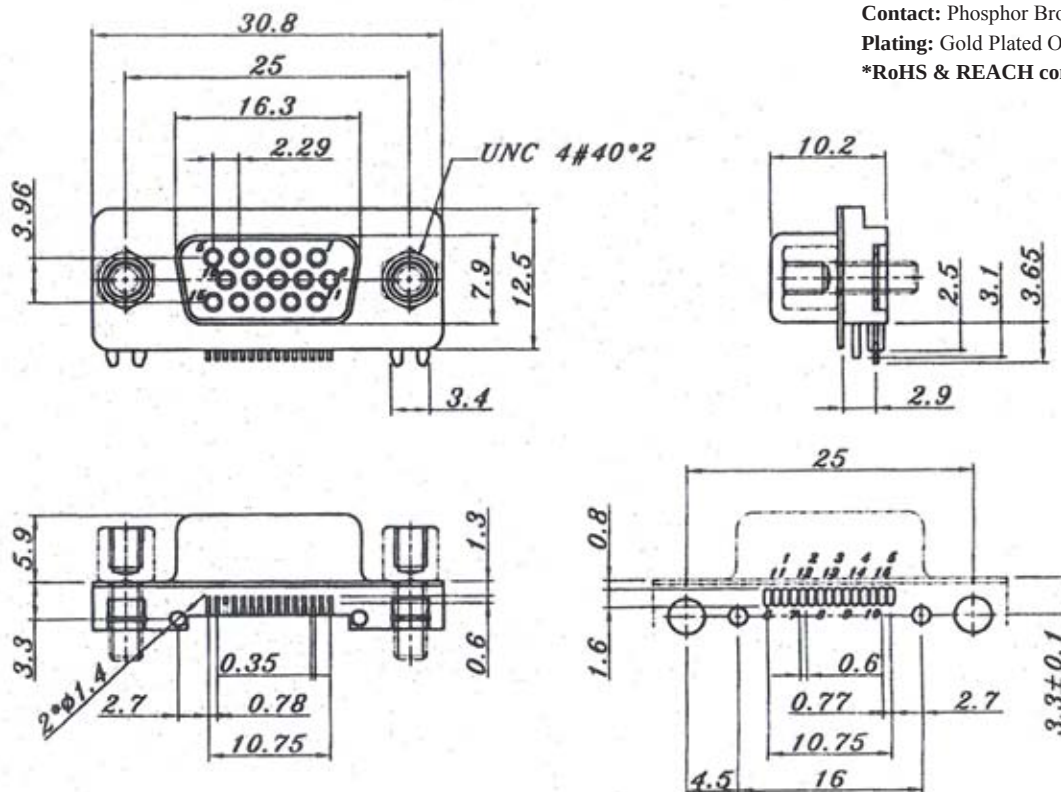
MATERIALS

Insulator: NY9T, UL94V-0

Contact: Phosphor Bronze or Brass

Plating: Gold Plated Over Nickel in Contact Area

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 300 - HD15 RA / x x

1 2 3 4

1. CONNECTOR TYPE:

"300" FEMALE

2. NO. OF CONTACTS:

"HD15" HIGH DENSITY D-SUB 15P

3. TERMINAL TYPE:

"RA" R/A DIP TYPE

4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

SLIM HD15 FEMALE CONNECTOR RIGHT ANGLE SMT TYPE

SPECIFICATIONS

Current Rating: 5 Ampere

Contact Resistance: 20mΩ Max. at DC 100mA

Insulation Resistance: 1000MΩ Min. at 500V DC

Withstanding Voltage: 1000V AC

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

Max Processing Temperature:

230°C for 60 Seconds

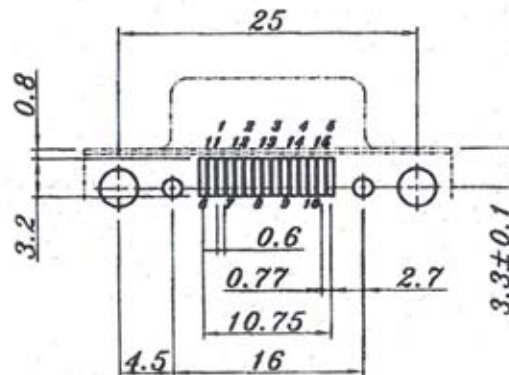
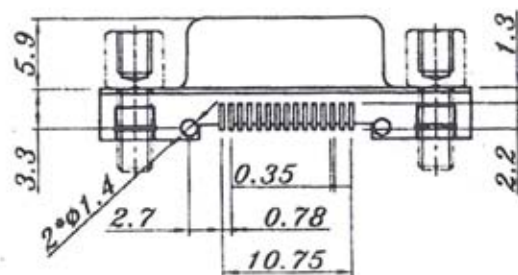
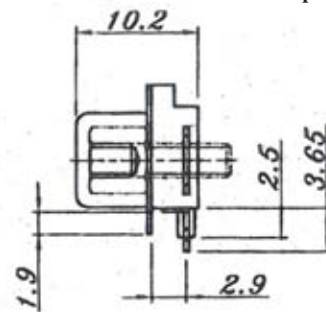
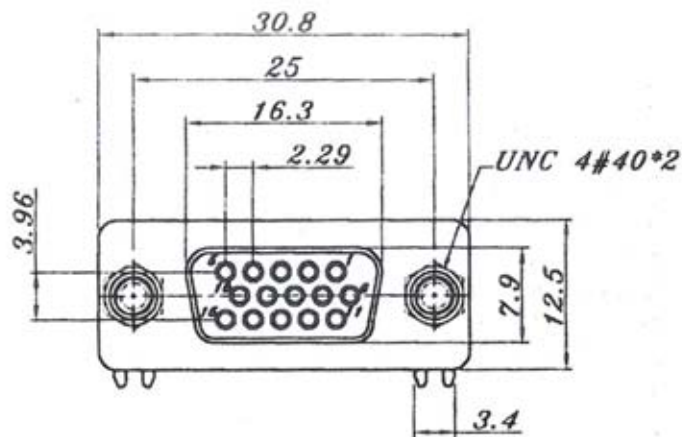
MATERIALS

Insulator: NY9T, UL94V-0

Contact: Phosphor Bronze or Brass

Plating: Gold Plated Over Nickel in Contact Area

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 300 - HD15 SMT / x x
1 2 3 4

1. CONNECTOR TYPE:

"300" FEMALE

2. NO. OF CONTACTS:

"HD15" HIGH DENSITY D-SUB 15P

3. TERMINAL TYPE:

"SMT" R/A SMT TYPE

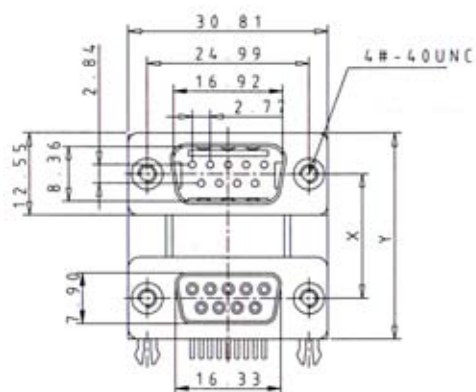
4. FLANGE MOUNTING OPTION:

"N" #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

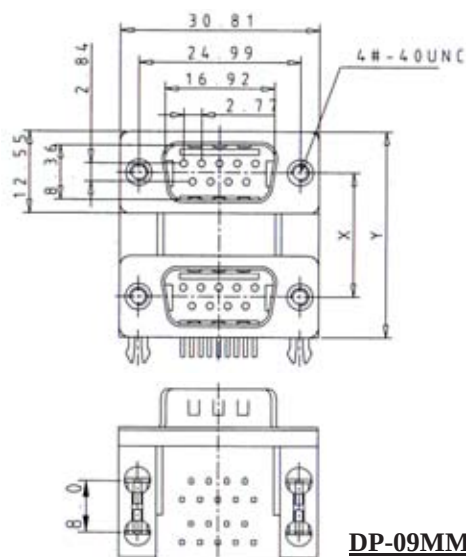
"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

DUAL PORT DB9/DB9 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.08MM)



DP-09MF/xxx



DP-09MM/xxx

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

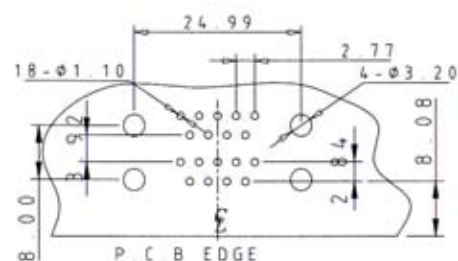
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N DP-09 $\frac{xx}{12}$ / $\frac{xxx}{34}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" X/Y= 19.05/31.60MM

"B" X/Y= 22.86/35.41MM

"C" X/Y= 15.88/28.42MM

4. FLANGE MOUNTING OPTION:

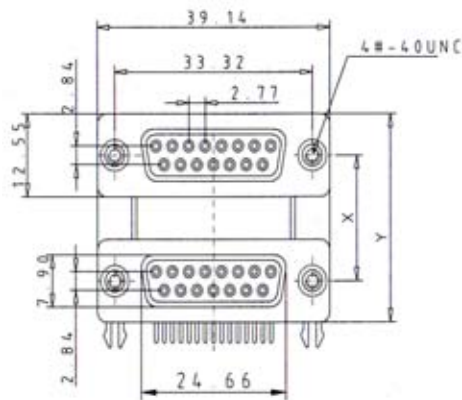
"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

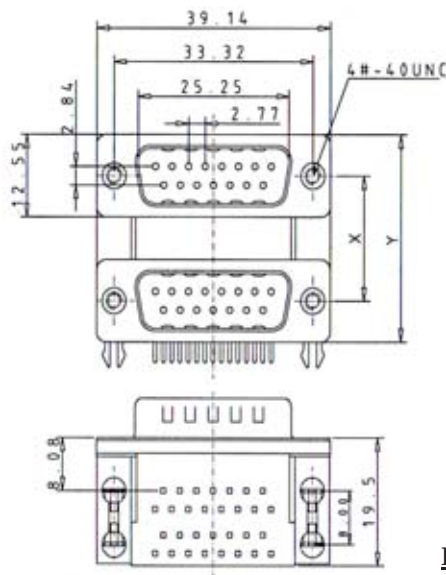
"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

OPTION: P/N DPF-09xx/xxx (WITH FERRITE)

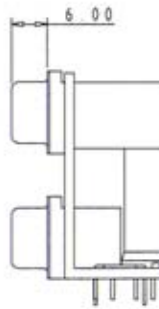
DUAL PORT DB15/DB15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.08MM)



DP-15FF/xxx



DP-15MM/xxx



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

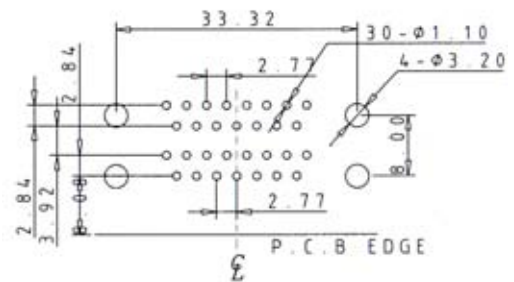
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N D P - 15 $\frac{xx}{12}$ / $\frac{xxx}{34}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" X/Y= 19.05/31.60MM

"B" X/Y= 22.86/35.41MM

"C" X/Y= 15.88/28.42MM

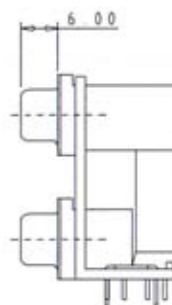
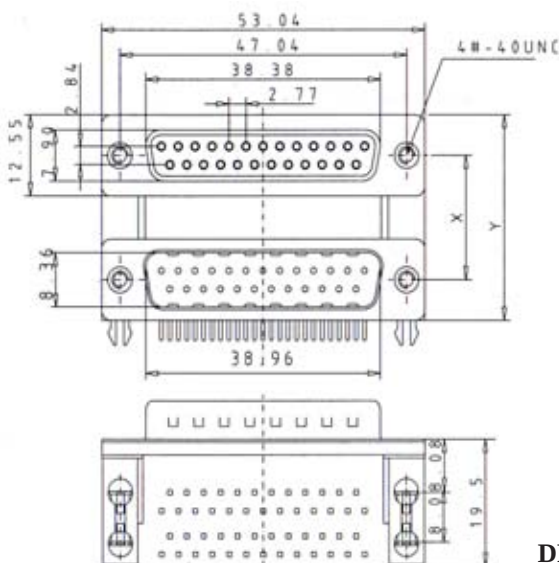
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

OPTION: P/N DPF-15xx/xxx (WITH FERRITE)



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

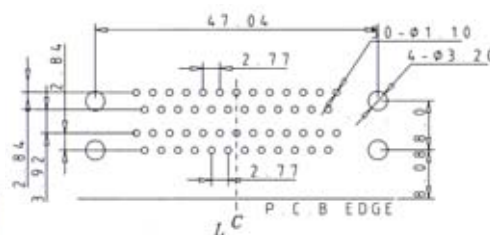
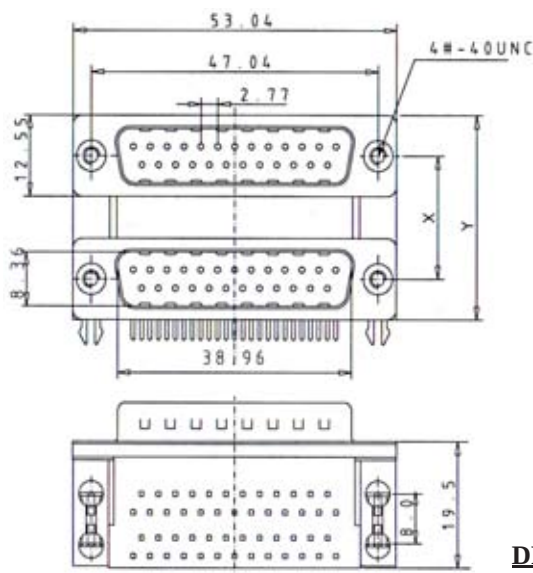
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

DP-25FM/xxx

Recommended P.C.Board Layout

DP-25MM/xxx

ORDERING INFORMATION:

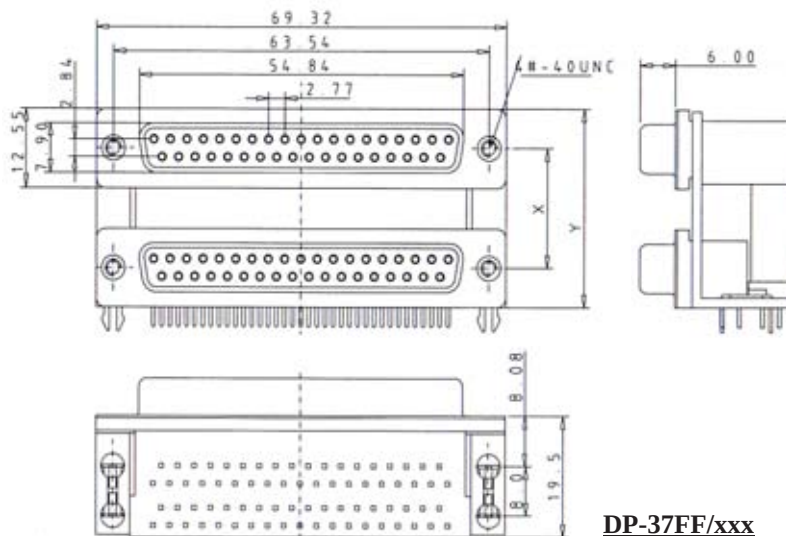
P/N D P - 2 5 1 2 / 3 4

1. TOP CONNECTOR TYPE:
"F" FEMALE
"M" MALE
2. BOTTOM CONNECTOR TYPE:
"F" FEMALE
"M" MALE
3. SPACING BETWEEN PORTS:
"A" X/Y= 19.05/31.60MM
"B" X/Y= 22.86/35.41MM
"C" X/Y= 15.88/28.42MM

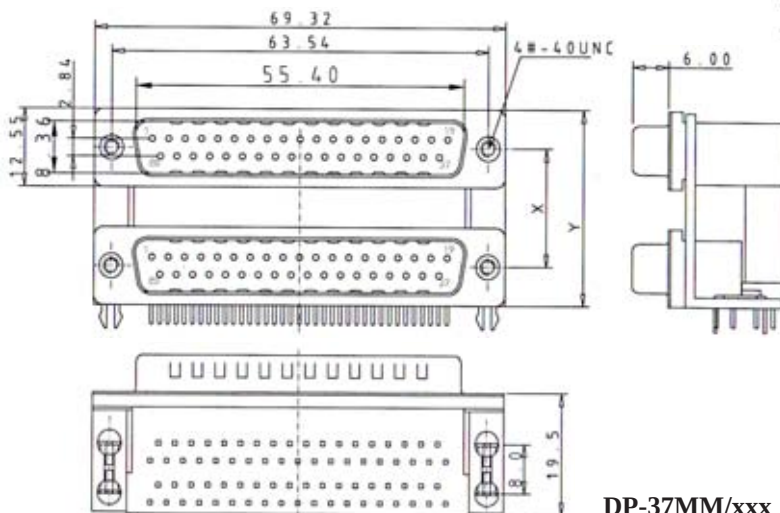
4. FLANGE MOUNTING OPTION:
 "N " #4-40UNC THREADED HOLES
 WITHOUT HEX SCREW BOLTS
 "NH" #4-40UNC THREADED HOLES
 WITH BULK-PACKED (LOOSE)
 #4-40UNC HEX SCREW BOLTS
 "NJ" #4-40UNC THREADED HOLES
 WITH INSTALLED (ASSEMBLED)
 #4-40UNC HEX SCREW BOLTS

OPTION: P/N DPF-25xx/xxx (WITH FERRITE)

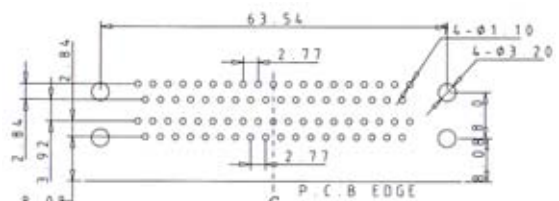
DUAL PORT DB37/DB37 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.08MM)



DP-37FF/xxx



DP-37MM/xxx



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

ORDERING INFORMATION:

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

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" X/Y= 19.05/31.60MM

"B" X/Y= 22.86/35.41MM

"C" X/Y= 15.88/28.42MM

4. FLANGE MOUNTING OPTION:

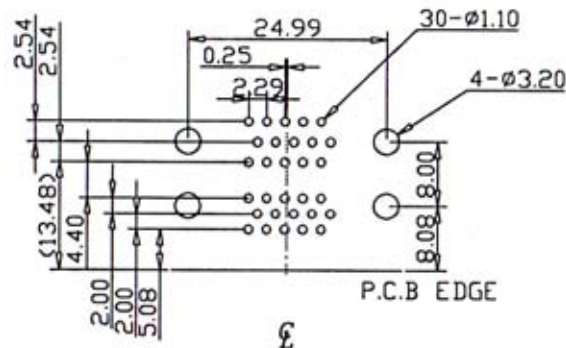
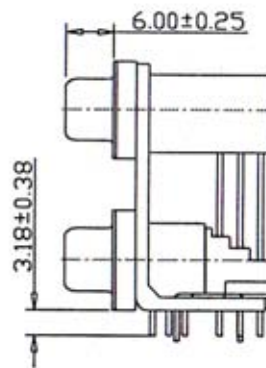
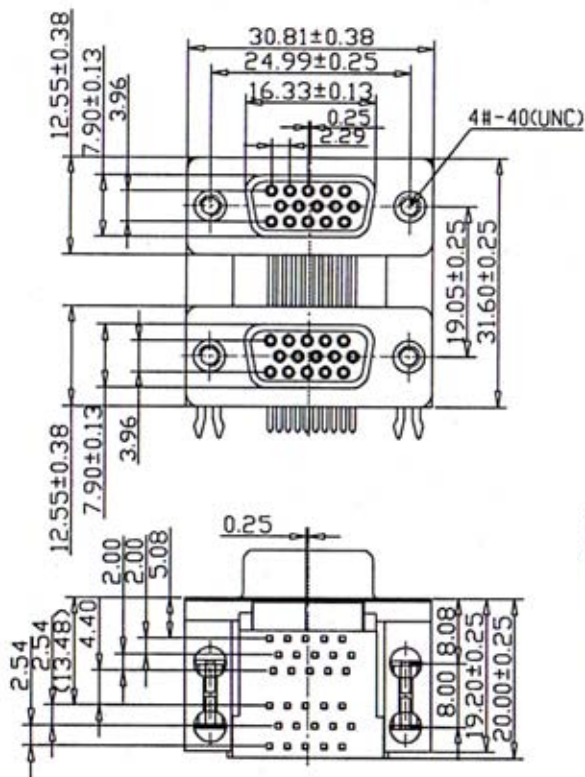
"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

OPTION: P/N DPF-37xx/xxx (WITH FERRITE)

DUAL PORT HD15/HD15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 5.08MM)



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N D P D - H D 1 5 $\frac{x}{1}$ $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

"C" 15.88MM(0.625")

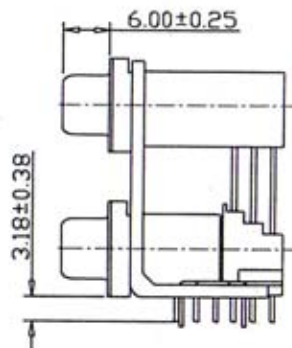
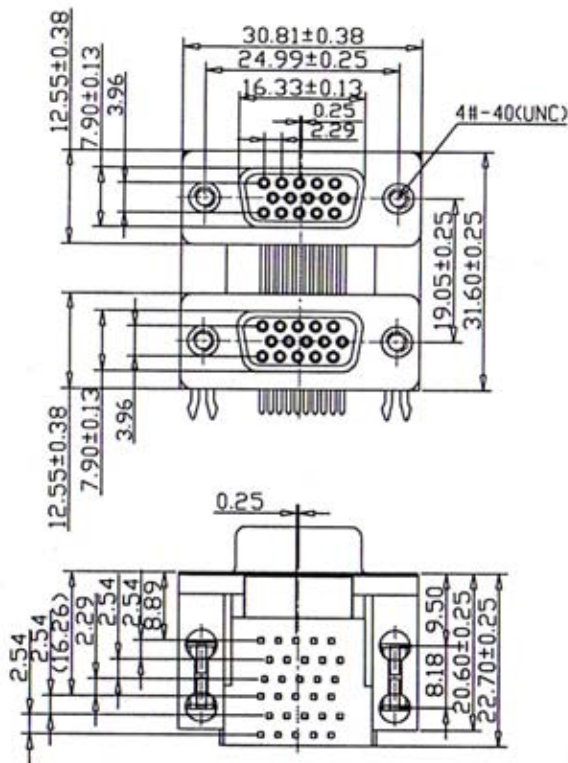
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT HD15/HD15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.89MM)



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

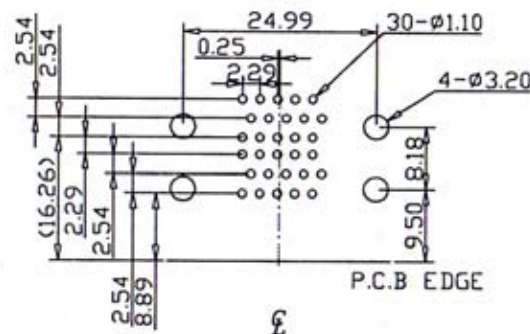
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C. Board Layout

ORDERING INFORMATION:

P/N D P H - H D 1 5 $\frac{x}{1} \frac{x}{2} / \frac{x}{3} \frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

"C" 15.88MM(0.625")

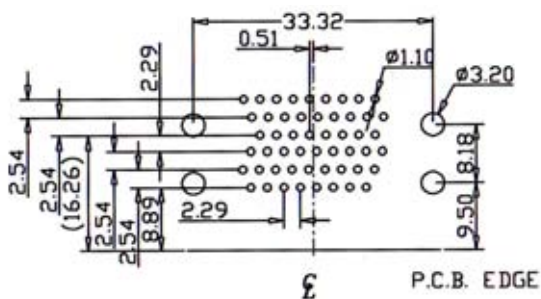
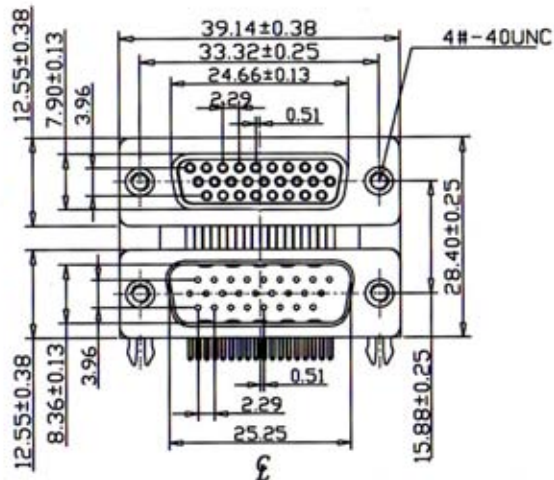
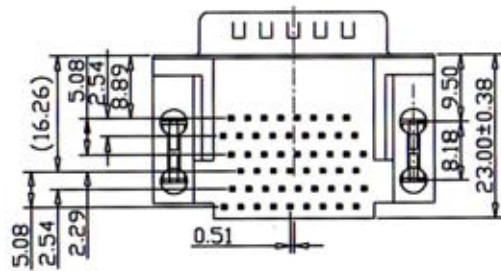
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT HD26/HD26 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.89MM)



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N D P H - H D 2 6 $\frac{x}{1} \frac{x}{2} / \frac{x}{3} \frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

"C" 15.88MM(0.625")

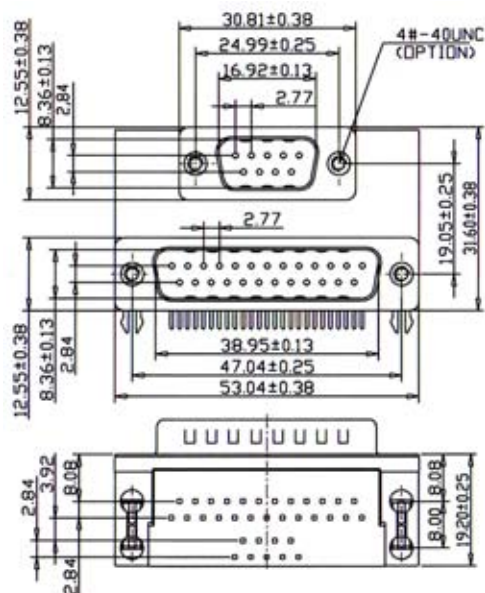
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

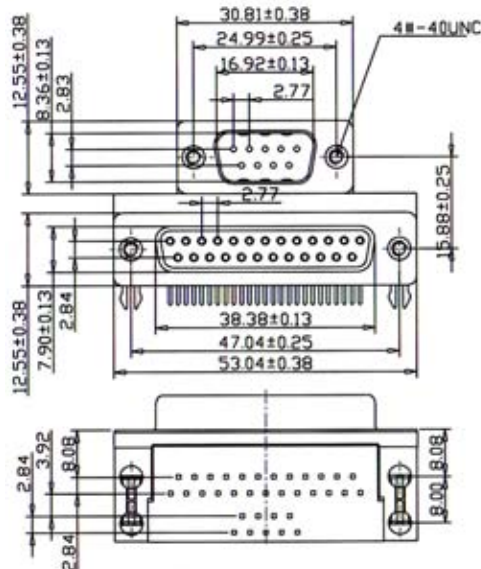
"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

DUAL PORT DB9/DB25 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.08MM)



DP-9M25M/Axx



DP-9M25F/Cxx

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

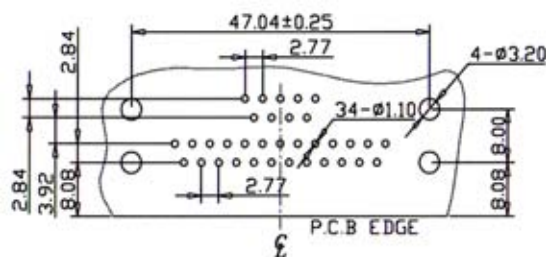
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N D P - 9 $\frac{x}{1}$ 2 5 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

"C" 15.88MM(0.625")

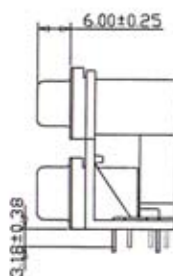
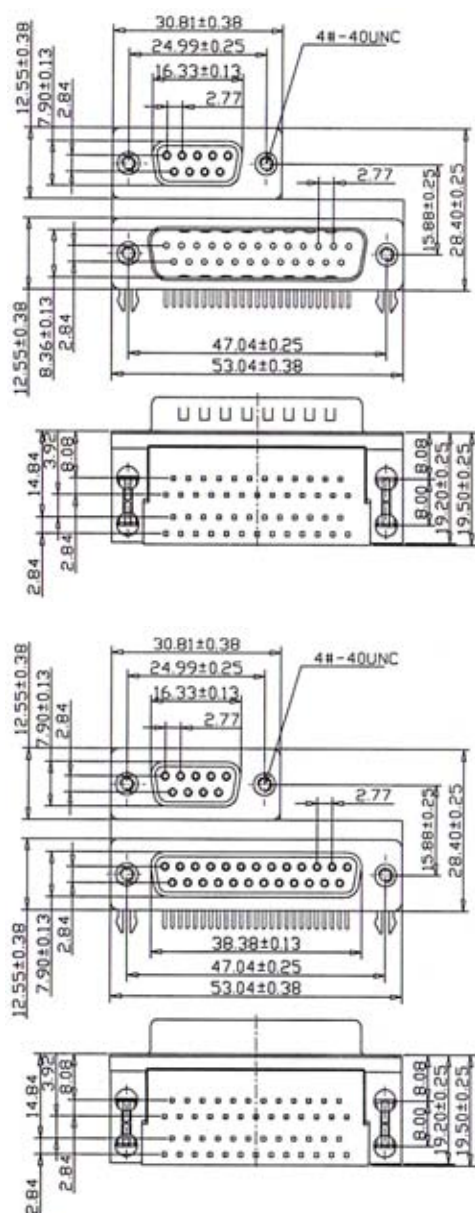
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

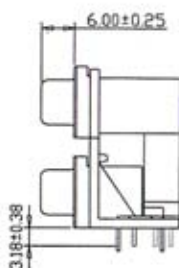
"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT DB9/DB25 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.08MM)



DPA-9F25M/Cxx



DPA-9F25F/Cxx

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

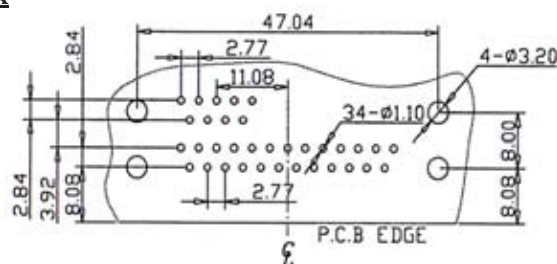
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N D P A - 9 $\frac{x}{1}$ 2 5 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"C" 15.88MM(0.625")

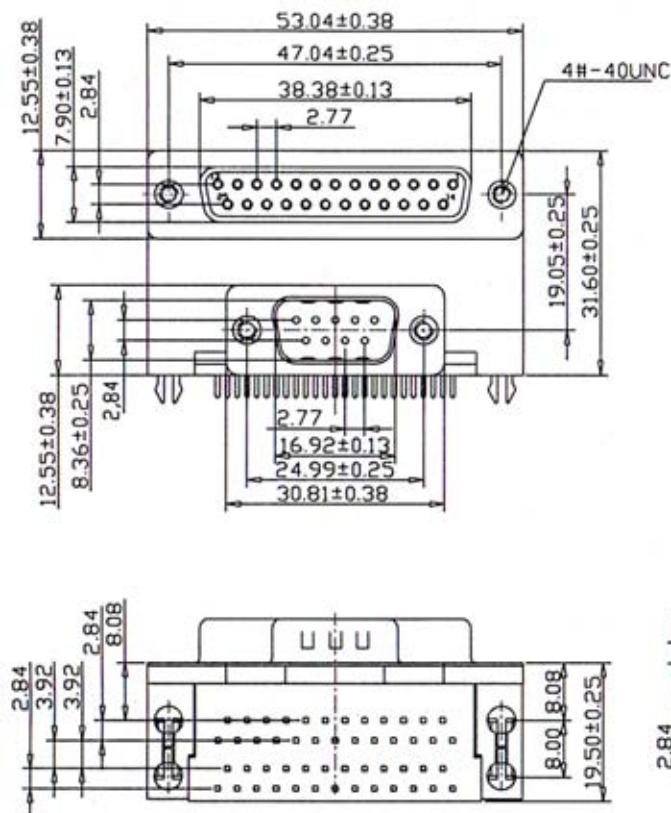
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT DB25/DB9 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.08MM)



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

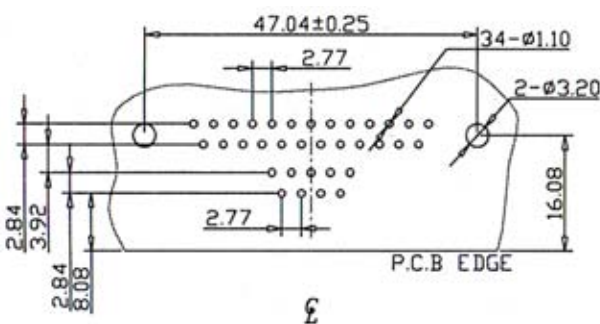
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C. Board Layout

ORDERING INFORMATION:

P/N D P - 2 5 $\frac{x}{1}$ 9 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

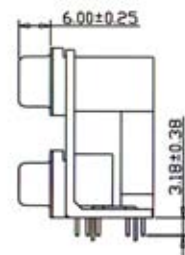
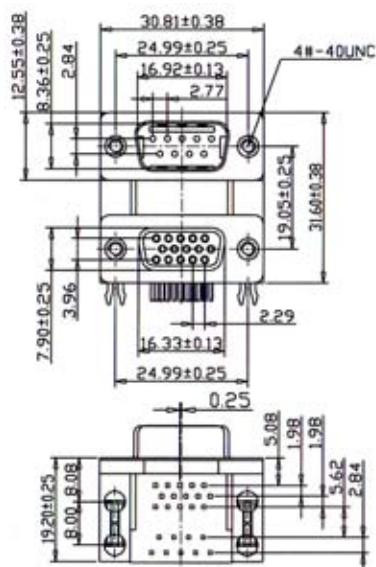
4. FLANGE MOUNTING OPTION:

"N" #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

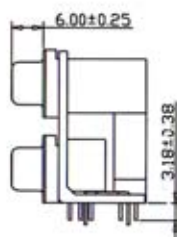
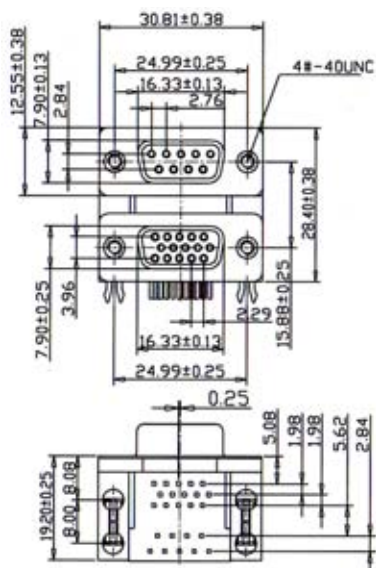
"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT DB9/HD15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 5.08MM)



DPD-9MHD15F/Axx



DPD-9FHD15F/Cxx

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

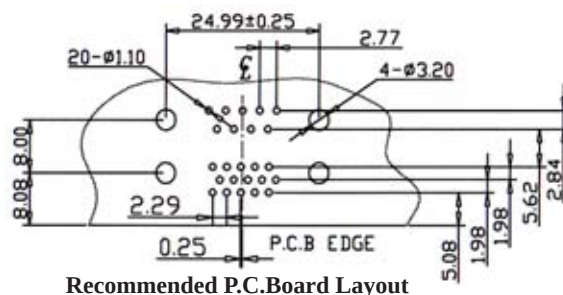
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N D P D - 9 $\frac{x}{1}$ H D 1 5 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

"C" 15.88MM(0.625")

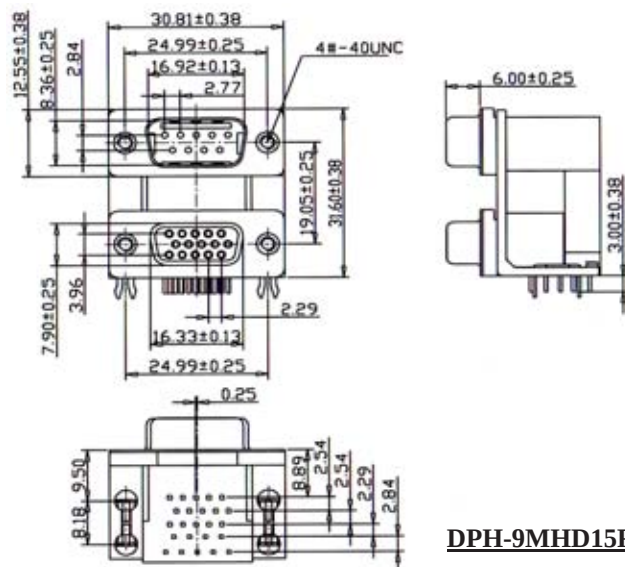
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

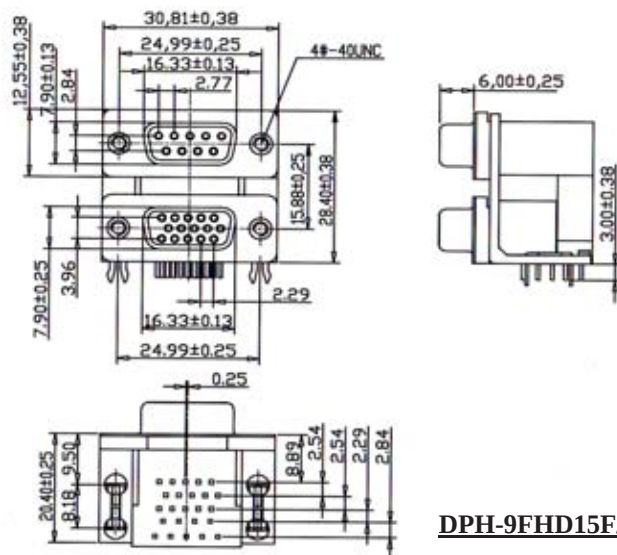
"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT DB9/HD15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.89MM)



DPH-9MHD15F/Axx



DPH-9FHD15F/Cxx

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

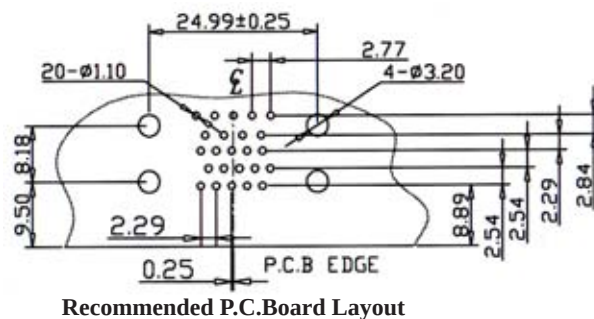
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N DPH - 9 ₁ x HD 15 ₂ / ₃ x x ₄

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

"C" 15.88MM(0.625")

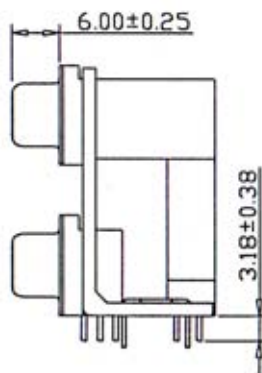
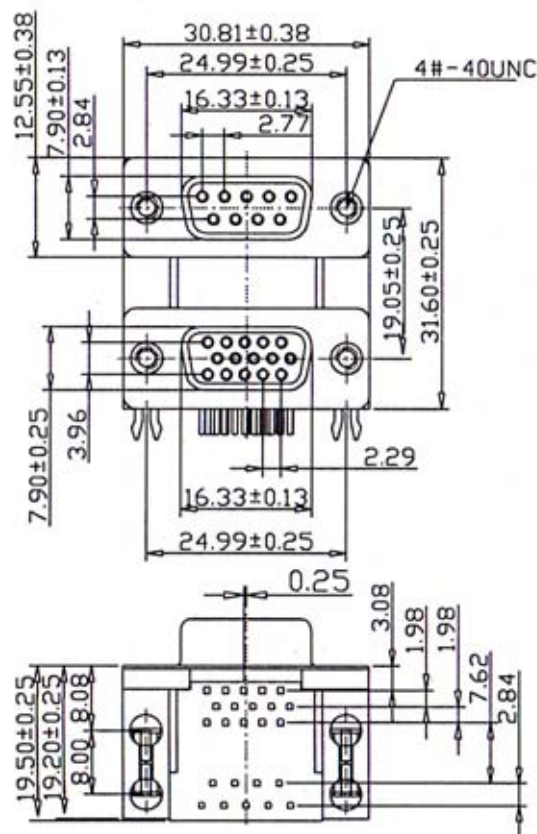
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT DB9/HD15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 3.08MM)



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

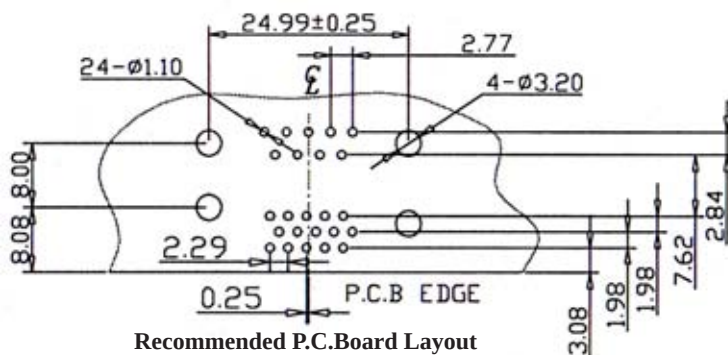
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N D P B - 9 $\frac{x}{1}$ H D 1 5 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

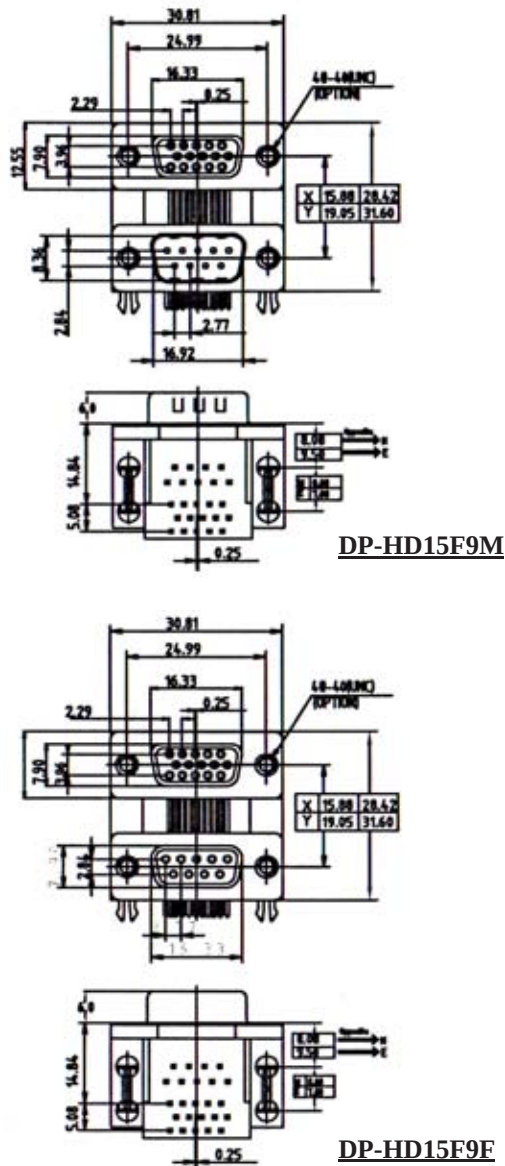
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT HD15/DB09 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.08MM)



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

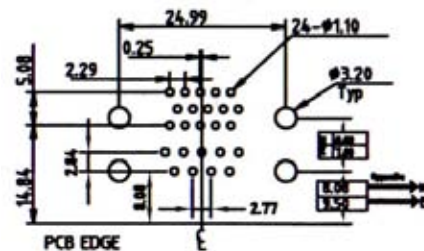
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N D P - H D 1 5 $\frac{x}{1}$ 9 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

"C" 15.88MM(0.625")

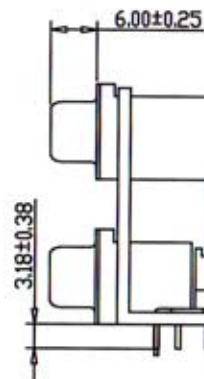
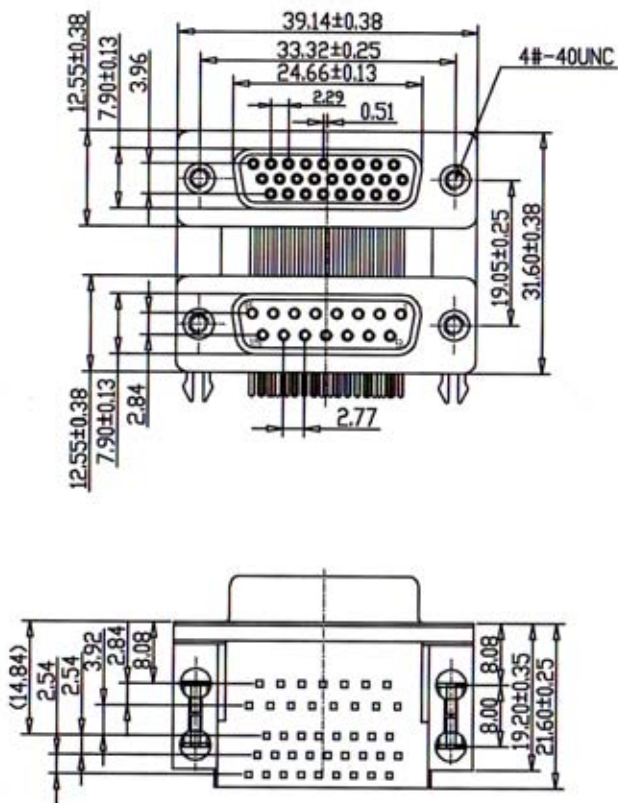
4. FLANGE MOUNTING OPTION:

"N" #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT HD26/DB15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.08MM)



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

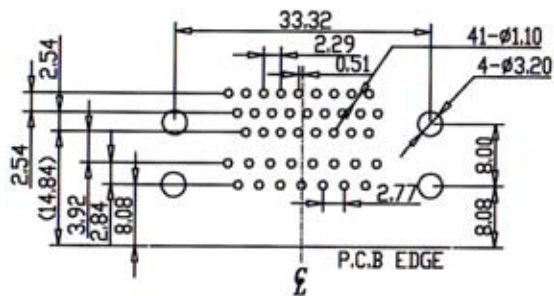
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N D P - H D 2 6 $\frac{x}{1}$ 1 5 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

"C" 15.88MM(0.625")

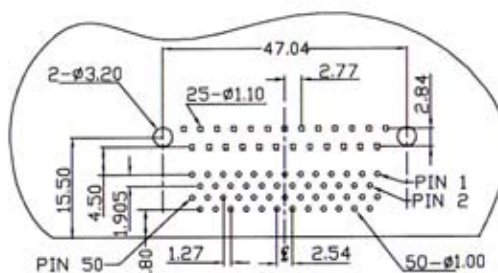
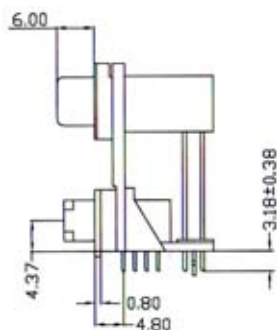
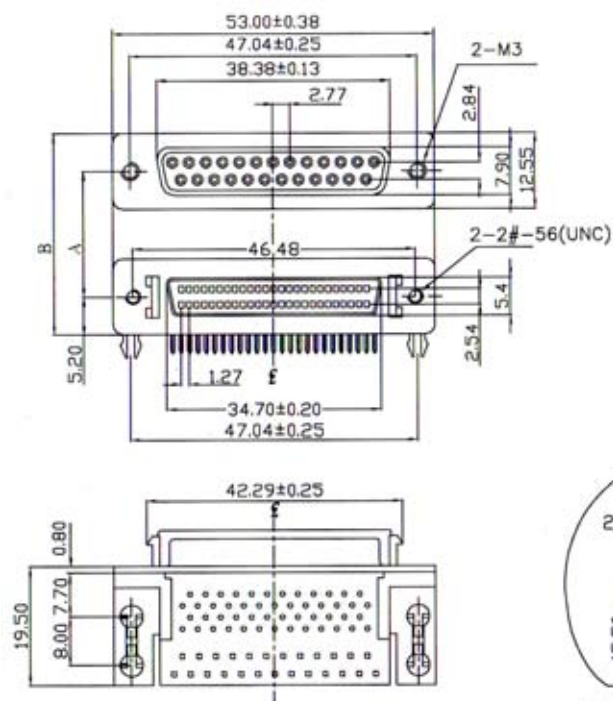
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT DB25 TO HPDB50 SCSI-II CONNECTOR RIGHT ANGLE TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N D P - 2 5 F H P 5 0 F / x x x
1 2 3 4

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"C" A= 15.88MM(0.625")

"F" A= 20.57MM(0.810")

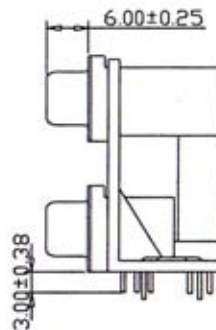
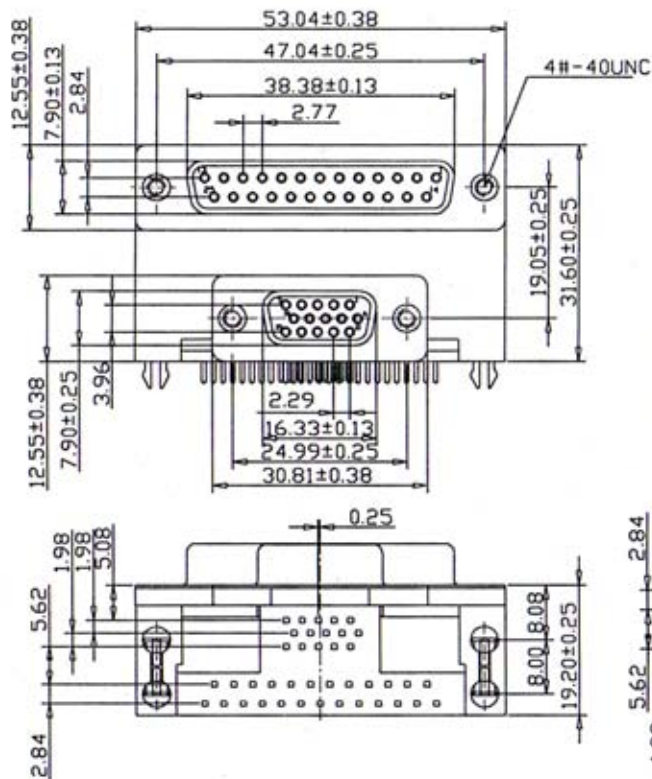
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

DUAL PORT DB25/HD15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 5.08MM)



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

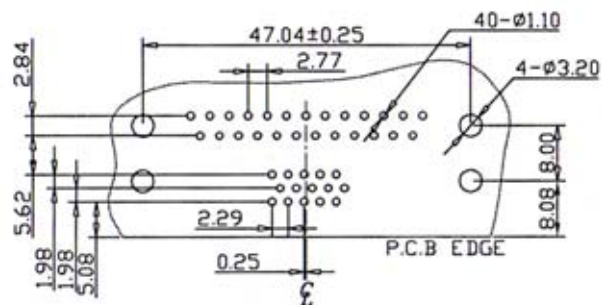
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N D P D - 2 5 $\frac{x}{1}$ H D 1 5 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

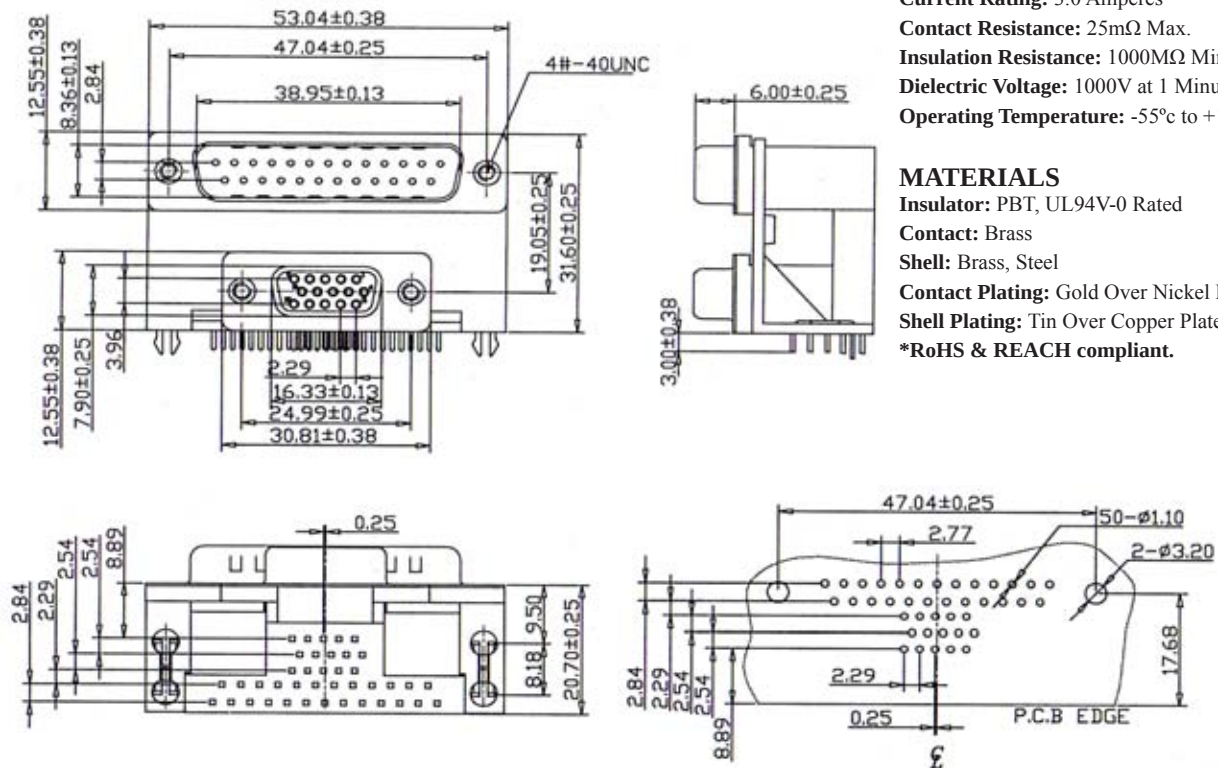
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

DUAL PORT DB25/HD15 CONNECTOR RIGHT ANGLE TYPE (FOOTPRINT= 8.89MM)



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**

Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N D P H - 2 5 $\frac{x}{1}$ H D 1 5 $\frac{x}{2}$ / $\frac{x}{3}$ $\frac{x}{4}$

1. TOP CONNECTOR TYPE:

"F" FEMALE

"M" MALE

2. BOTTOM CONNECTOR TYPE:

"F" FEMALE

"M" MALE

3. SPACING BETWEEN PORTS:

"A" 19.05MM(0.750")

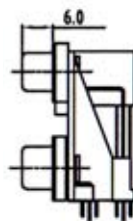
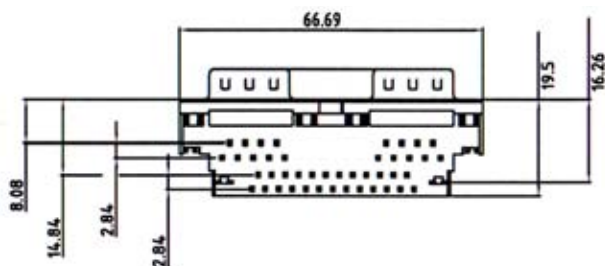
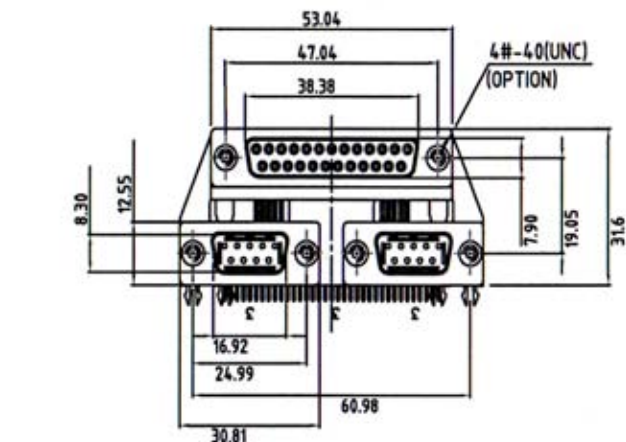
4. FLANGE MOUNTING OPTION:

"N" " #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS

"NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

TRIPLE PORT DB25F TO DB9M/DB9M CONNECTOR RIGHT ANGLE TYPE



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

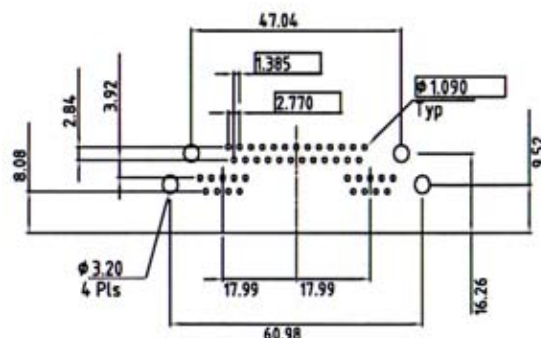
Contact: Brass

Shell: Brass, Steel

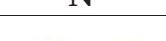
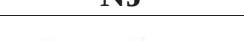
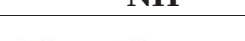
Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

N	NJ	NH
		

ORDERING INFORMATION:

P/N TP25F-9M9M/A_{xx}
1

1. MOUNTING OPTION:

"N " #4-40UNC THREADED HOLES
WITHOUT HEX SCREW BOLTS

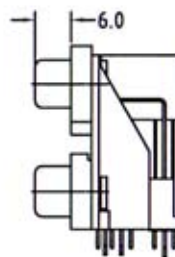
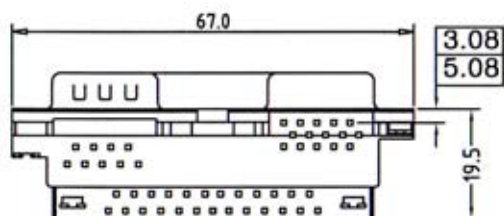
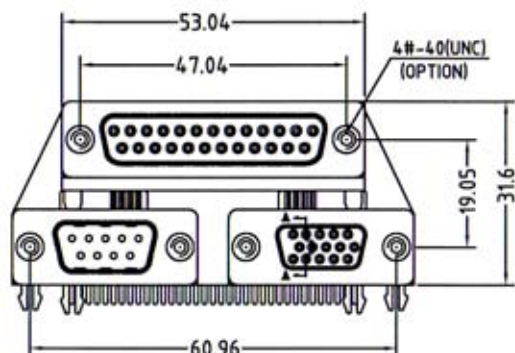
"NH" #4-40UNC THREADED HOLES
WITH BULK-PACKED (LOOSE)
#4-40UNC HEX SCREW BOLTS

"NJ" #4-40UNC THREADED HOLES
WITH INSTALLED (ASSEMBLED)
#4-40UNC HEX SCREW BOLTS

NOTE: PC99 FOLLOW PANTONE COLORS:

1. UPPER PORT: PURPLE (DB25F)
2. LOWER PORT: GREEN (DB09M)

TRIPLE PORT DB25F TO DB9M/HD15F CONNECTOR RIGHT ANGLE TYPE



SPECIFICATIONS

Current Rating: 3.0 Amperes

Contact Resistance: 25mΩ Max.

Insulation Resistance: 1000MΩ Min. at 500V

Dielectric Voltage: 1000V at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

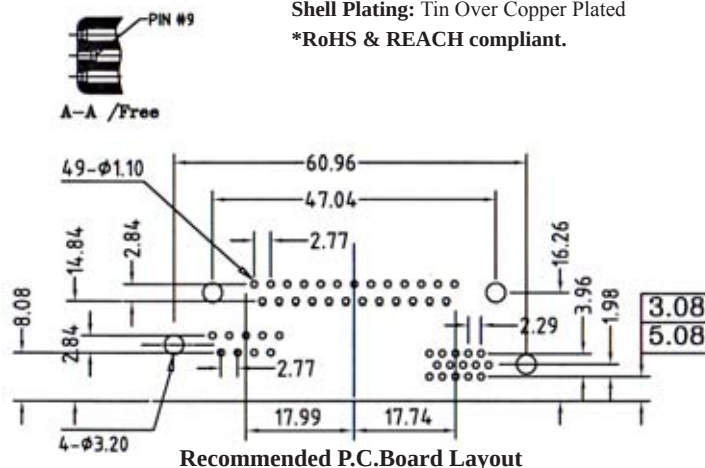
Contact: Brass

Shell: Brass, Steel

Contact Plating: Gold Over Nickel Plated

Shell Plating: Tin Over Copper Plated

*RoHS & REACH compliant.



Recommended P.C.Board Layout

N	NJ	NH

ORDERING INFORMATION:

P/N TP25F-9MHD15F/A_{xx}₁

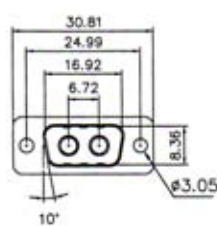
1. MOUNTING OPTION:

- "N" #4-40UNC THREADED HOLES WITHOUT HEX SCREW BOLTS
- "NH" #4-40UNC THREADED HOLES WITH BULK-PACKED (LOOSE) #4-40UNC HEX SCREW BOLTS
- "NJ" #4-40UNC THREADED HOLES WITH INSTALLED (ASSEMBLED) #4-40UNC HEX SCREW BOLTS

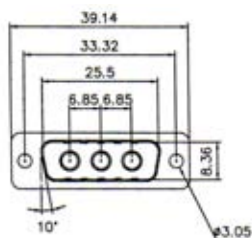
NOTE: PC99 FOLLOW PANTONE COLORS:

1. UPPER PORT: PURPLE (DB25F)
2. LOWER PORT: GREEN (DB09M)
3. LOWER PORT: BLUE (HD15F)

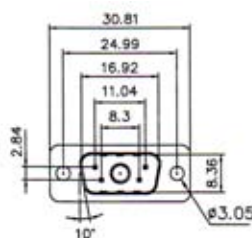
D-SUB. HIGH POWER MALE CONNECTOR SOLDER TYPE WITH COAXIAL PINS



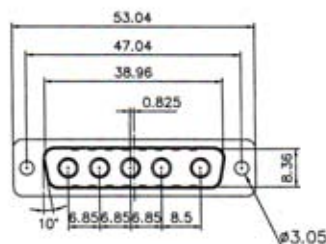
02W2



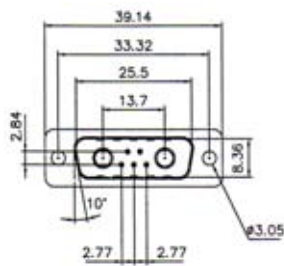
03W3



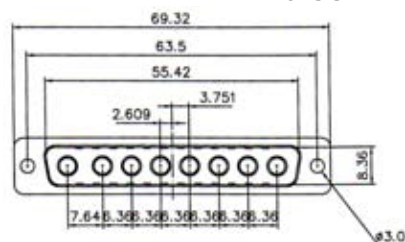
05W1



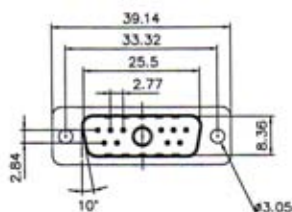
05W5



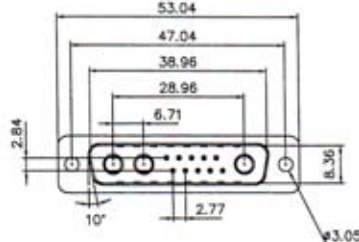
07W2



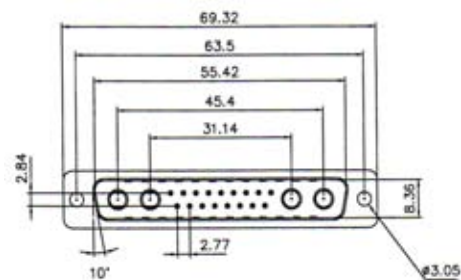
08W8



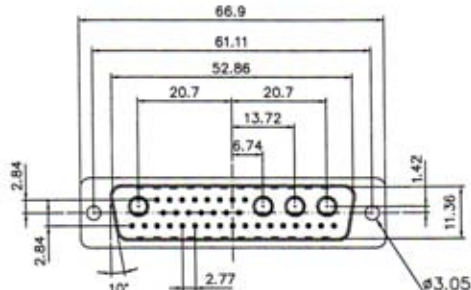
11W1



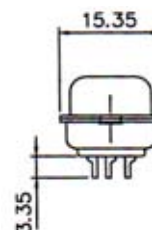
13W3



21W4



36W4



SPECIFICATIONS

Current Rating: 10A, 20A, 40A

Contact Resistance: 30mΩ Max.

Insulation Resistance: 5000MΩ Min.

Dielectric Wstanding: 500V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

SHELL: STEEL TIN Plated Over Nickel

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 2 8 9 - x x x x H x x
1 2 3 4

1. CONNECTOR TYPE:

"89" MALE SOLDER TYPE WITH COAXIAL PINS

2. NO. OF CONTACTS:

02W2, 03W3, 05W1, 05W5, 07W2, 08W8, 11W1, 13W3, 21W4, 36W4

3. TYPE OF COAXIAL PINS:

"H" HIGH POWER PINS

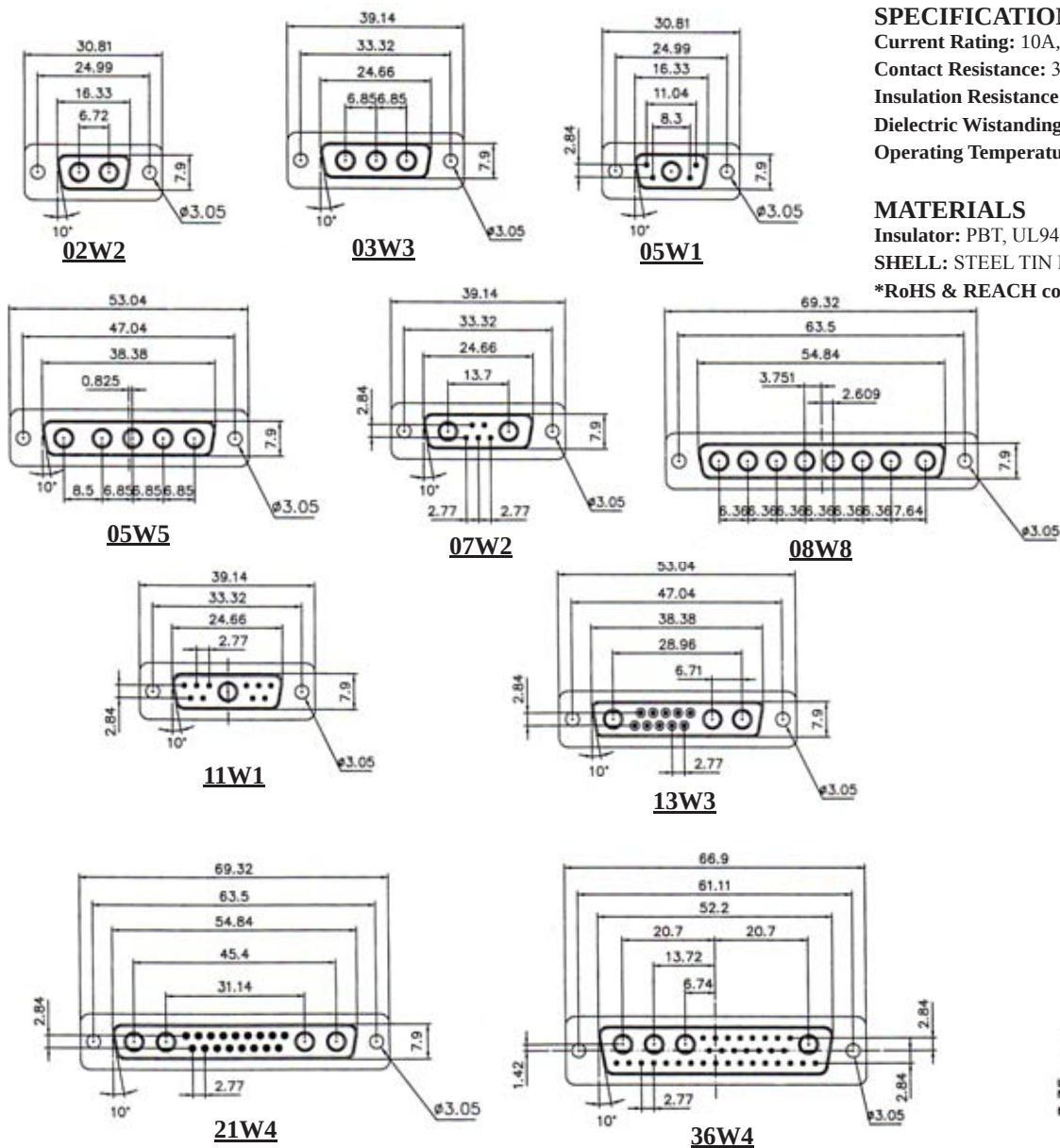
4. CURRENT RATING:

"10" 10A

"20" 20A

"40" 40A

D-SUB. HIGH POWER FEMALE CONNECTOR SOLDER TYPE WITH COAXIAL PINS



SPECIFICATIONS

Current Rating: 10A, 20A, 40A

Contact Resistance: 30mΩ Max.

Insulation Resistance: 5000MΩ Min.

Dielectric Withstanding: 500V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

SHELL: STEEL TIN Plated Over Nickel

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 2 9 0 - x x x x H x x
1 2 3 4

1. CONNECTOR TYPE:

"90" FEMALE SOLDER TYPE WITH COAXIAL PINS

2. NO. OF CONTACTS:

02W2, 03W3, 05W1, 05W5, 07W2, 08W8, 11W1, 13W3, 21W4, 36W4

3. TYPE OF COAXIAL PINS:

"H" HIGH POWER PINS

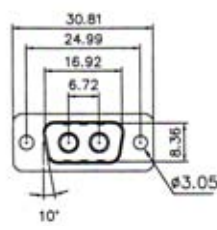
4. CURRENT RATING:

"10" 10A

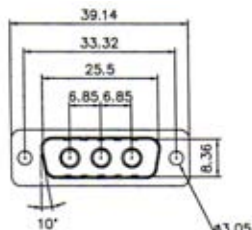
"20" 20A

"40" 40A

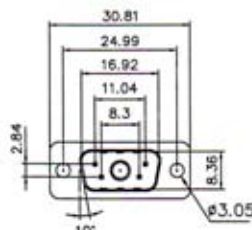
D-SUB. HIGH POWER MALE CONNECTOR STRAIGHT PCB MOUNT TYPE WITH COAXIAL PINS



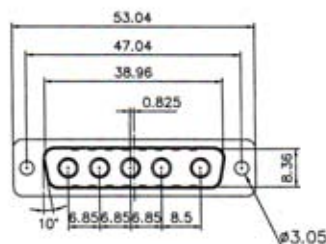
02W2



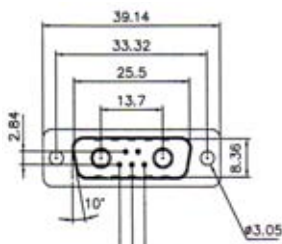
03W3



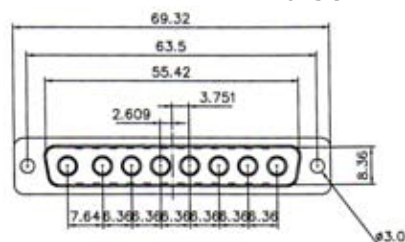
05W1



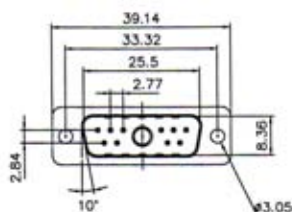
05W5



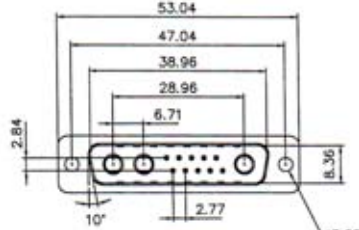
07W2



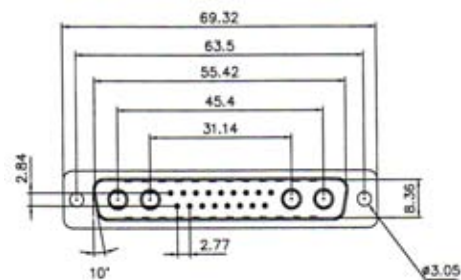
08W8



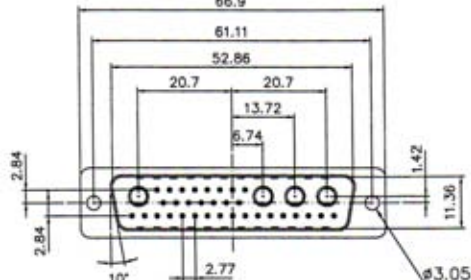
11W1



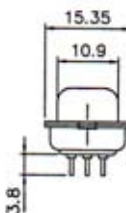
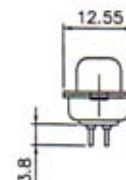
13W3



21W4



36W4



SPECIFICATIONS

Current Rating: 10A, 20A, 40A

Contact Resistance: 30mΩ Max.

Insulation Resistance: 5000MΩ Min.

Dielectric Withstanding: 500V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

SHELL: STEEL TIN Plated Over Nickel

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N 5 2 7 5 - x x x x H x x / x x
1 2 3 4 5

1. CONNECTOR TYPE:

"75" MALE STRAIGHT DIP TYPE WITH COAXIAL PINS

2. NO. OF CONTACTS:

02W2, 03W3, 05W1, 05W5, 07W2, 08W8, 11W1, 13W3, 21W4, 36W4

3. TYPE OF COAXIAL PINS:

"H" HIGH POWER PINS

4. CURRENT RATING:

"10" 10A

"20" 20A

"40" 40A

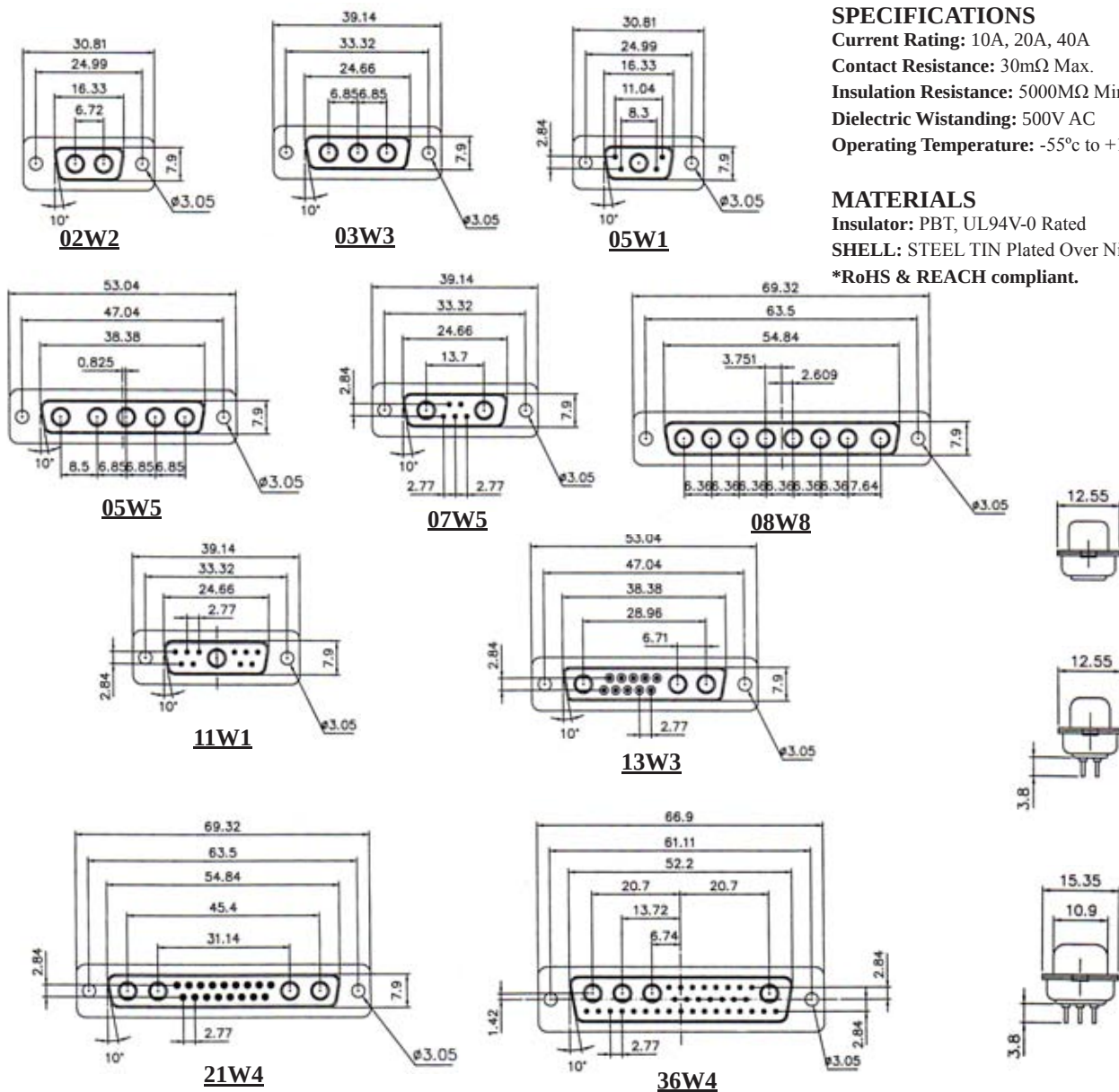
5. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

"BR" WITH BOARDLOCK, BUT WITHOUT HEXAGONAL BOLTS

"BRJ" WITH BOARDLOCK, BUT WITH ASSEMBLED HEX BOLTS

D-SUB. HIGH POWER FEMALE CONNECTOR STRAIGHT PCB MOUNT TYPE WITH COAXIAL PINS



SPECIFICATIONS

Current Rating: 10A, 20A, 40A

Contact Resistance: 30mΩ Max.

Insulation Resistance: 5000MΩ Min.

Dielectric Withstanding: 500V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

SHELL: STEEL TIN Plated Over Nickel

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N 5 2 7 6 - $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{x}{4} \frac{H}{5} \frac{x}{x} \frac{x}{x}$

1. CONNECTOR TYPE:

"76" FEMALE STRAIGHT DIP TYPE WITH COAXIAL PINS

2. NO. OF CONTACTS:

02W2, 03W3, 05W1, 05W5, 07W2, 08W8, 11W1, 13W3, 21W4, 36W4

3. TYPE OF COAXIAL PINS:

"H" HIGH POWER PINS

4. CURRENT RATING:

"10" 10A

"20" 20A

"40" 40A

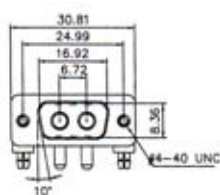
5. MOUNTING OPTION:

" " Ø3.05MM THROUGH HOLES

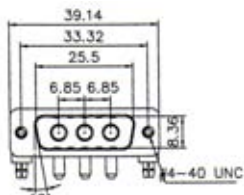
"BR" WITH BOARDLOCK, BUT WITHOUT HEXAGONAL BOLTS

"BRJ" WITH BOARDLOCK, BUT WITH ASSEMBLED HEX BOLTS

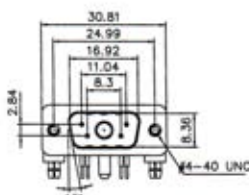
D-SUB. HIGH POWER MALE CONNECTOR RIGHT ANGLE DIP TYPE WITH COAXIAL PINS



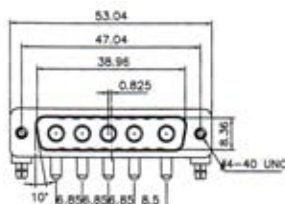
02W2



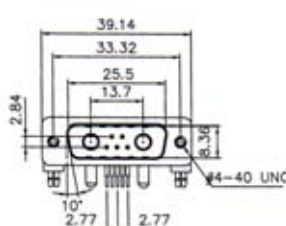
03W3



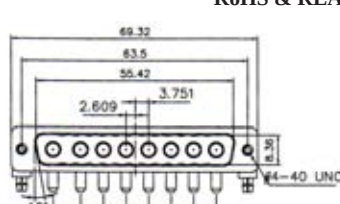
05W1



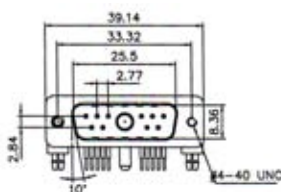
05W5



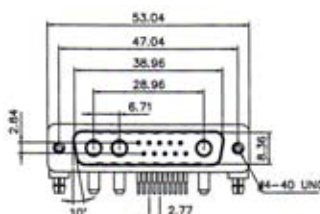
07W2



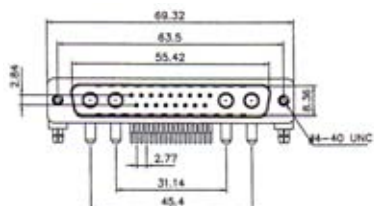
08W8



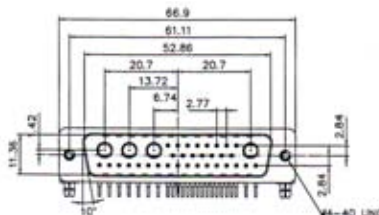
11W1



13W3



21W4



36W4



SPECIFICATIONS

Current Rating: 10A, 20A, 40A

Contact Resistance: 30mΩ Max.

Insulation Resistance: 5000MΩ Min.

Dielectric Withstanding: 500V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

SHELL: STEEL TIN Plated Over Nickel

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N 5 2 8 3 - x x x x H x x / x x
1 2 3 4 5

1. CONNECTOR TYPE:

"83" MALE RIGHT ANGLE TYPE WITH COAXIAL PINS

2. NO. OF CONTACTS:

02W2, 03W3, 05W1, 05W5, 07W2, 08W8, 11W1, 13W3, 21W4, 36W4

3. TYPE OF COAXIAL PINS:

"H" HIGH POWER PINS

4. CURRENT RATING:

"10" 10A

"20" 20A

"40" 40A

5. MOUNTING OPTION:

"N" WITH BOARDLOCK, BUT WITHOUT HEXAGONAL BOLTS

"NH" WITH BOARDLOCK, AND WITH LOOSE HEX BOLTS

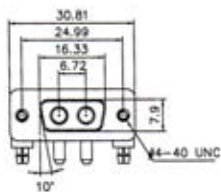
"NJ" WITH BOARDLOCK, AND WITH ASSEMBLED HEX BOLTS

"NB" WITHOUT BOARDLOCK, AND WITHOUT HEXAGONAL BOLTS

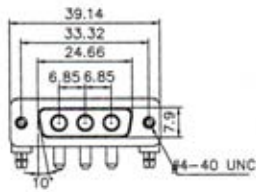
"NL" WITHOUT BOARDLOCK, BUT WITH LOOSE HEX BOLTS

"NK" WITHOUT BOARDLOCK, BUT WITH ASSEMBLED HEX BOLTS

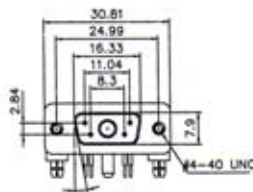
D-SUB. HIGH POWER FEMALE CONNECTOR RIGHT ANGLE DIP TYPE WITH COAXIAL PINS



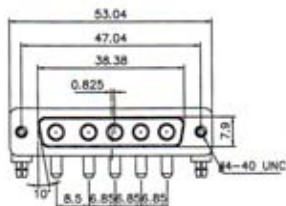
02W2



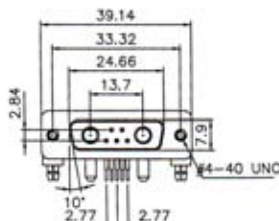
03W3



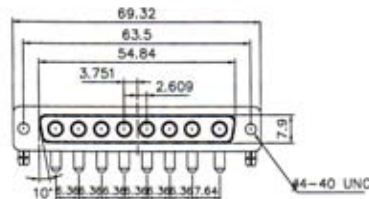
05W1



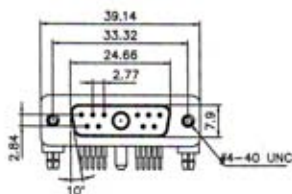
05W5



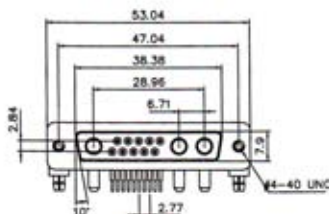
07W2



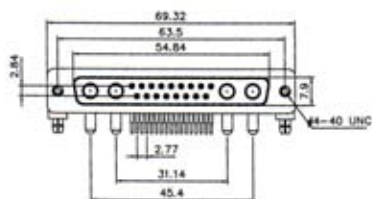
08W8



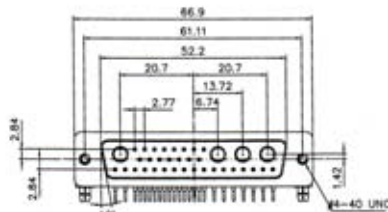
11W1



13W3



21W4



36W4



SPECIFICATIONS

Current Rating: 10A, 20A, 40A

Contact Resistance: 30mΩ Max.

Insulation Resistance: 5000MΩ Min.

Dielectric Withstanding: 500V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

SHELL: STEEL TIN Plated Over Nickel

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 2 8 4 - x x x x H x x / x x
1 2 3 4 5

1. CONNECTOR TYPE:

"84" FEMALE RIGHT ANGLE TYPE WITH COAXIAL PINS

2. NO. OF CONTACTS:

02W2, 03W3, 05W1, 05W5, 07W2, 08W8, 11W1, 13W3, 21W4, 36W4

3. TYPE OF COAXIAL PINS:

"H" HIGH POWER PINS

4. CURRENT RATING:

"10" 10A

"20" 20A

"40" 40A

5. MOUNTING OPTION:

"N" WITH BOARDLOCK, BUT WITHOUT HEXAGONAL BOLTS

"NH" WITH BOARDLOCK, AND WITH LOOSE HEX BOLTS

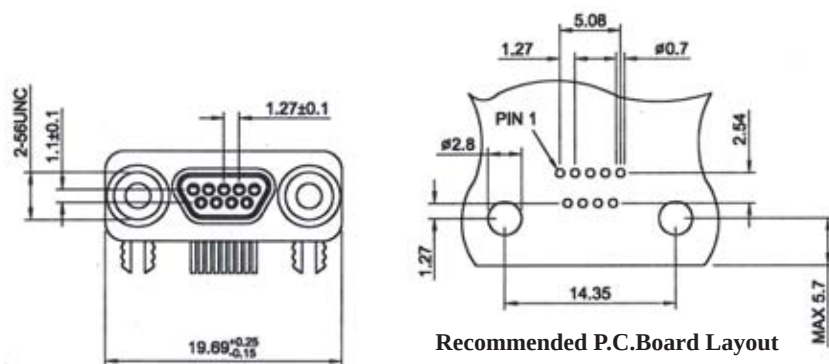
"NJ" WITH BOARDLOCK, AND WITH ASSEMBLED HEX BOLTS

"NB" WITHOUT BOARDLOCK, AND WITHOUT HEXAGONAL BOLTS

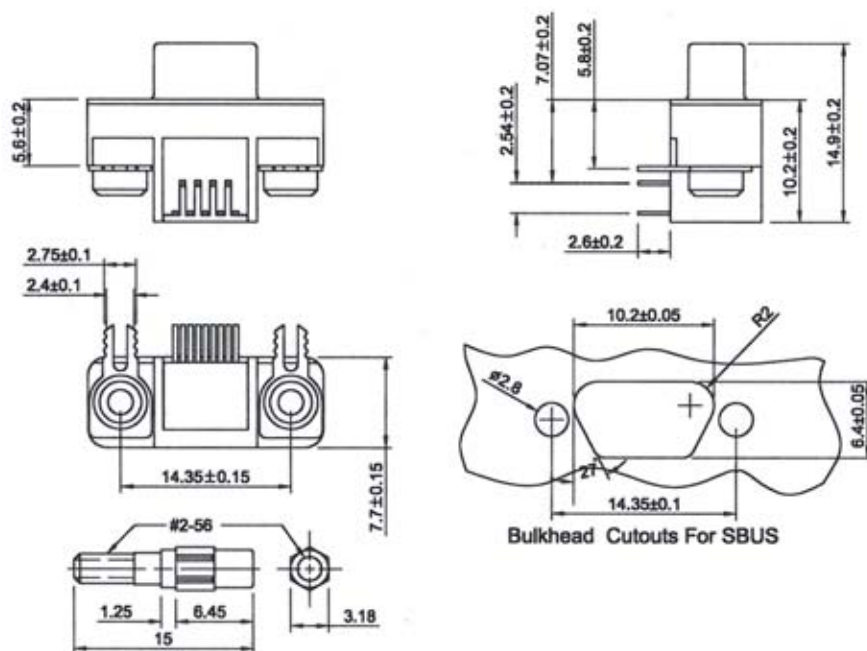
"NL" WITHOUT BOARDLOCK, BUT WITH LOOSE HEX BOLTS

"NK" WITHOUT BOARDLOCK, BUT WITH ASSEMBLED HEX BOLTS

MICRO D-SUB. 9 PIN FEMALE CONNECTOR RIGHT ANGLE TYPE



Recommended P.C.Board Layout



Bulkhead Cutouts For SBUS

SPECIFICATIONS

Current Rating: 1 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500VAC

Contact Resistance: 45mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

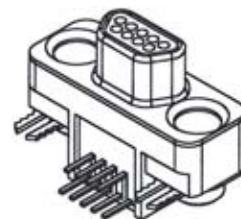
Insulator: Thermoplastic, UL94V-0

Contact: Copper Alloy

Shell: Cold Roller Steel; Bright Tin Over Copper

Contact: Gold on Mating End; Tin on Termination End; All Underplated Nickel

*RoHS & REACH compliant.

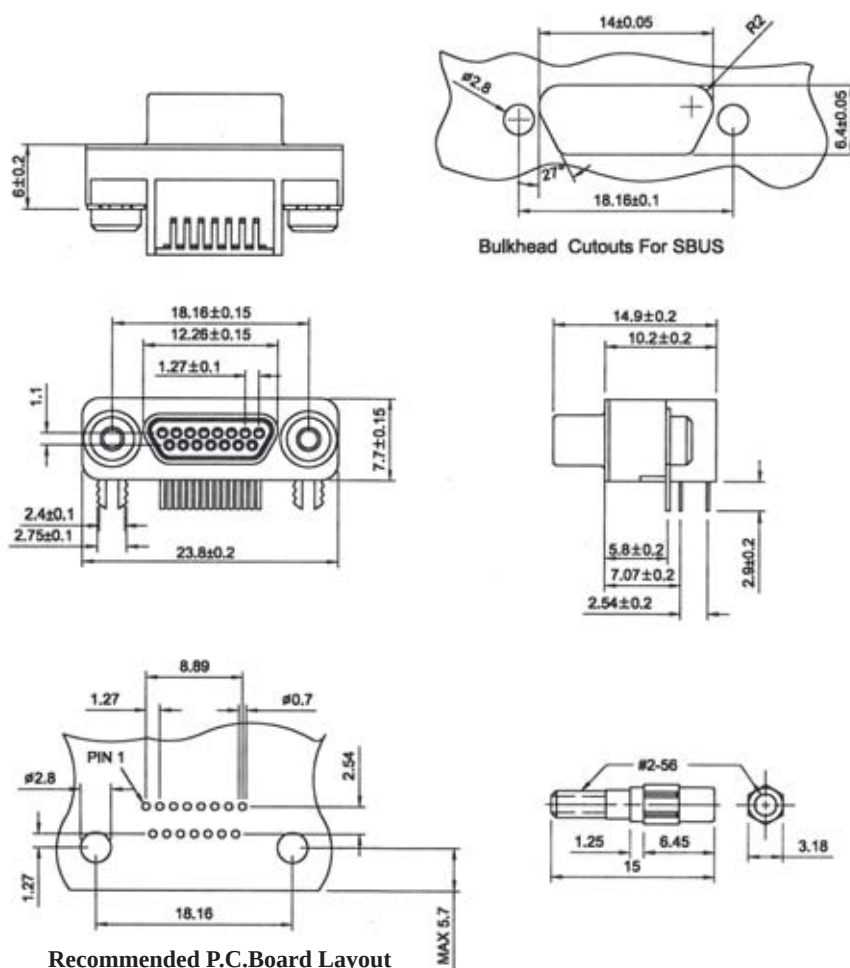


ORDERING INFORMATION:

P/N 5 2 RF - 09 T B / x x
 1 2 3

1. CONNECTOR TYPE:
"RF" MICRO D-SUB. FEMALE CONNECTOR
2. NO. OF CONTACTS:
09
3. MOUNTING OPTION:
"N" WITHOUT SCREWS
"NH" LOOSE SCREWS
"NJ" ASSEMBLED SCREWS

MICRO D-SUB. 15 PIN FEMALE CONNECTOR RIGHT ANGLE TYPE



SPECIFICATIONS

Current Rating: 1 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500VAC

Contact Resistance: 45mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

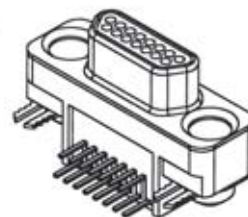
Insulator: Thermoplastic, UL94V-0

Contact: Copper Alloy

Shell: Cold Roller Steel; Bright Tin Over Copper

Contact: Gold on Mating End; Tin on Termination End; All Underplated Nickel

***RoHS & REACH compliant.**



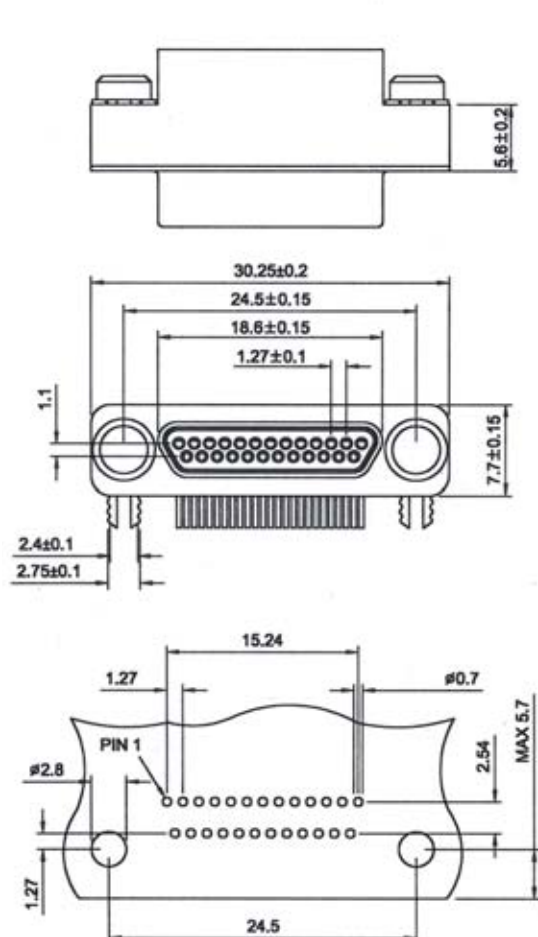
ORDERING INFORMATION:

P/N 5 2 RF - 15 T B / x x

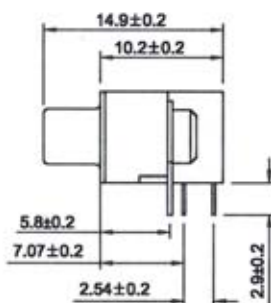
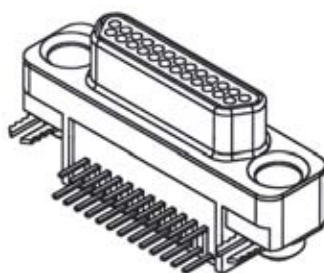
1 2 3

1. CONNECTOR TYPE:
"RF" MICRO D-SUB. FEMALE CONNECTOR
2. NO. OF CONTACTS:
15
3. MOUNTING OPTION:
"N" WITHOUT SCREWS
"NH" LOOSE SCREWS
"NJ" ASSEMBLED SCREWS

MICRO D-SUB. 25 PIN FEMALE CONNECTOR RIGHT ANGLE TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500VAC

Contact Resistance: 45mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

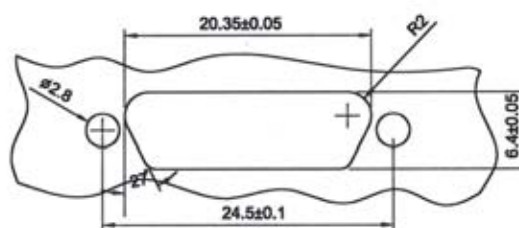
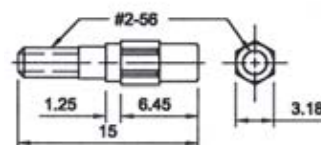
Insulator: Thermoplastic, UL94V-0

Contact: Copper Alloy

Shell: Cold Roller Steel; Bright Tin Over Copper

Contact: Gold on Mating End; Tin on Termination End; All Underplated Nickel

*RoHS & REACH compliant.



Bulkhead Cutouts For SBus

ORDERING INFORMATION:

P/N 5 2 RF - 25 T B / x x
1 2 3

1. CONNECTOR TYPE:

"RF" MICRO D-SUB. FEMALE CONNECTOR

2. NO. OF CONTACTS:

25

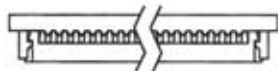
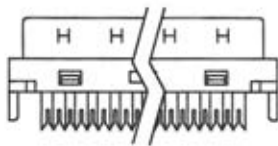
3. MOUNTING OPTION:

"N" WITHOUT SCREWS

"NH" LOOSE SCREWS

"NJ" ASSEMBLED SCREWS

HALF PITCH (1.27MM) D-SUB. IDC TYPE CABLE MALE CONNECTOR WITHOUT HOOD



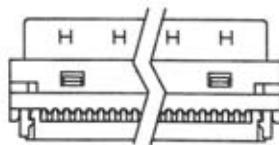
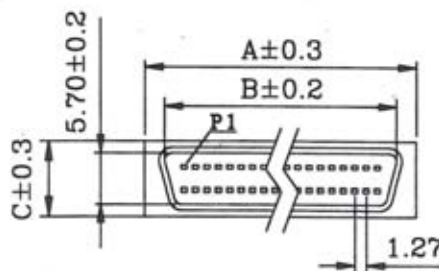
Termination Cover



Termination Plate Cover



Wire Holder



M Type (W/O Hood)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Cover & Holder: Plastic Thermoplastic UL94V-0,
P.B.T. UL94V-0, Black

***RoHS & REACH compliant.**

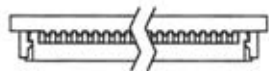
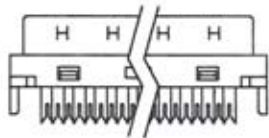
No. of Contacts	A	B	C	D
20	20.20	15.80	9.30	15.00
26	24.00	19.65	9.30	15.00
36	30.40	25.96	8.50	14.60
40	32.95	28.50	9.30	15.40
50	39.30	34.85	9.30	15.50
68	50.80	46.40	9.30	14.95
100	71.15	66.68	9.30	14.70

ORDERING INFORMATION:

P/N 5 2 M D - $\frac{x}{1} \frac{x}{2} \frac{M}{3} \frac{x}{3}$

1. NO. OF CONTACTS:
20, 26, 36, 40, 50, 68, 100
2. MANUFACTURED TYPE:
"M" MOLDED TYPE (W/O HOOD)
3. WIRE HOLDER (AWG28 & AWG30):
"6" 0.62MM
"7" 0.75MM
"8" 0.80MM
"9" 0.90MM

HALF PITCH (1.27MM) D-SUB. IDC TYPE CABLE MALE CONNECTOR KIT WITH HOOD



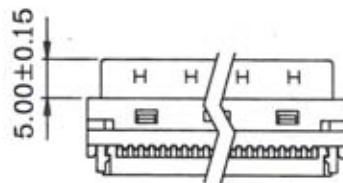
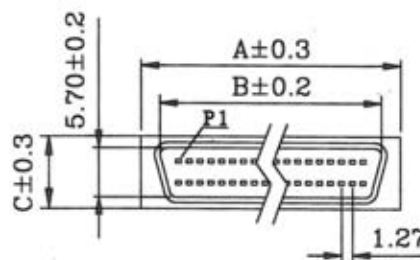
Termination Cover



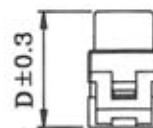
Termination Plate Cover



Wire Holder



A Type (With Hood)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Cover & Holder: Plastic Thermoplastic UL94V-0, P.B.T. UL94V-0, Black

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D
20	20.20	15.80	9.30	15.00
26	24.00	19.65	9.30	15.00
36	30.40	25.96	8.50	14.60
40	32.95	28.50	9.30	15.40
50	39.30	34.85	9.30	15.50
68	50.80	46.40	9.30	14.95
100	71.15	66.68	9.30	14.70

ORDERING INFORMATION:

P/N 5 2 M D - $\frac{x}{1} \frac{x}{2} \frac{A}{3} \frac{x}{4} \frac{x}{5} \frac{x}{6}$

1. NO. OF CONTACTS:

20, 26, 36, 40, 50, 68, 100

2. WIRE HOLDER (AWG28 & AWG30):

"6" 0.62MM

"7" 0.75MM

"8" 0.80MM

"9" 0.90MM

3. HOOD TYPE:

PLASTIC HOOD: PHL, PHLS, PHS

METAL HOOD: MHL, MHR, MHS, MHEL, MHES
(SEE PAGE C0491~C0499)

4. ENTRY HOLE SIZE OF HOOD:

0, 4A, 6, 6A, 7, 7A, 8, 8A, 9,

10A, 11, 12, 14, 14A, 15A, Y
(SEE PAGE C0491~C0499)

5. HOOD COLOR OR FINISH:

"V" BEIGE (PLASTIC HOOD)

"B" BLACK (PLASTIC HOOD)

"N" NICKEL PLATED (METAL HOOD)

"G" GOLD PLATED (METAL HOOD)

6. THREADED FINISH:

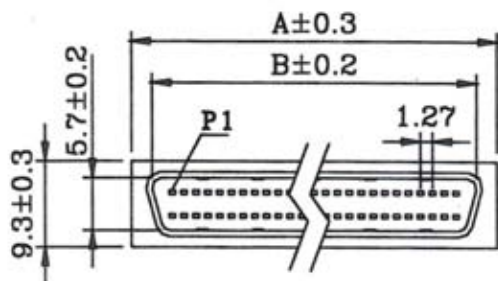
(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

HALF PITCH (1.27MM) D-SUB. SOLDER TYPE CABLE MALE CONNECTOR WITHOUT HOOD



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

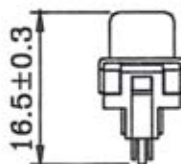
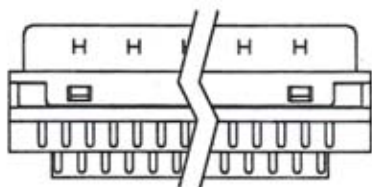
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B
20	20.20	15.80
26	24.00	19.60
50	39.30	34.85
68	50.70	46.35



M Type (W/O Hood)

ORDERING INFORMATION:

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

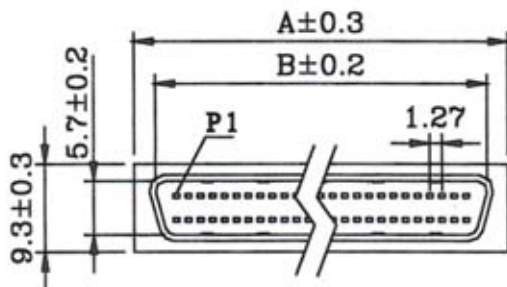
1. NO. OF CONTACTS:

20, 26, 50, 68

2. MANUFACTURED TYPE:

"M" MOLDED TYPE (W/O HOOD)

HALF PITCH (1.27MM) D-SUB. SOLDER TYPE CABLE MALE CONNECTOR KIT WITH HOOD



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

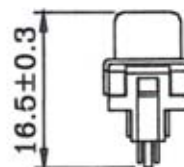
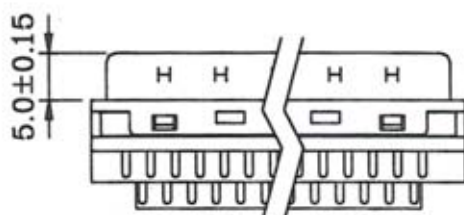
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B
20	20.20	15.80
26	24.00	19.60
50	39.30	34.85
68	50.70	46.35



A Type (With Hood)

ORDERING INFORMATION:

P/N 5 2 M T - $\frac{x}{1} \frac{x}{2} \frac{A}{3} \frac{x}{4} \frac{x}{5} \frac{x}{6} \frac{x}{7}$

1. NO. OF CONTACTS:

20, 26, 50, 68

2. HOOD TYPE:

PLASTIC HOOD: PHL, PHLS, PHS

METAL HOOD: MHL, MHR, MHS, MHEL, MHES

(SEE PAGE C0491~C0499)

3. ENTRY HOLE SIZE OF HOOD:

0, 4A, 6, 6A, 7, 7A, 8, 8A, 9,

10A, 11, 12, 14, 14A, 15A, Y

(SEE PAGE C0491~C0499)

4. HOOD COLOR OR FINISH:

"V" BEIGE (PLASTIC HOOD)

"B" BLACK (PLASTIC HOOD)

"N" NICKEL PLATED (METAL HOOD)

"G" GOLD PLATED (METAL HOOD)

5. THREADED FINISH:

(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

HALF PITCH (1.27MM) D-SUB. MALE CONNECTOR IDC TYPE FOR 0.635MM PITCH FLAT CABLE ASSEMBLY

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

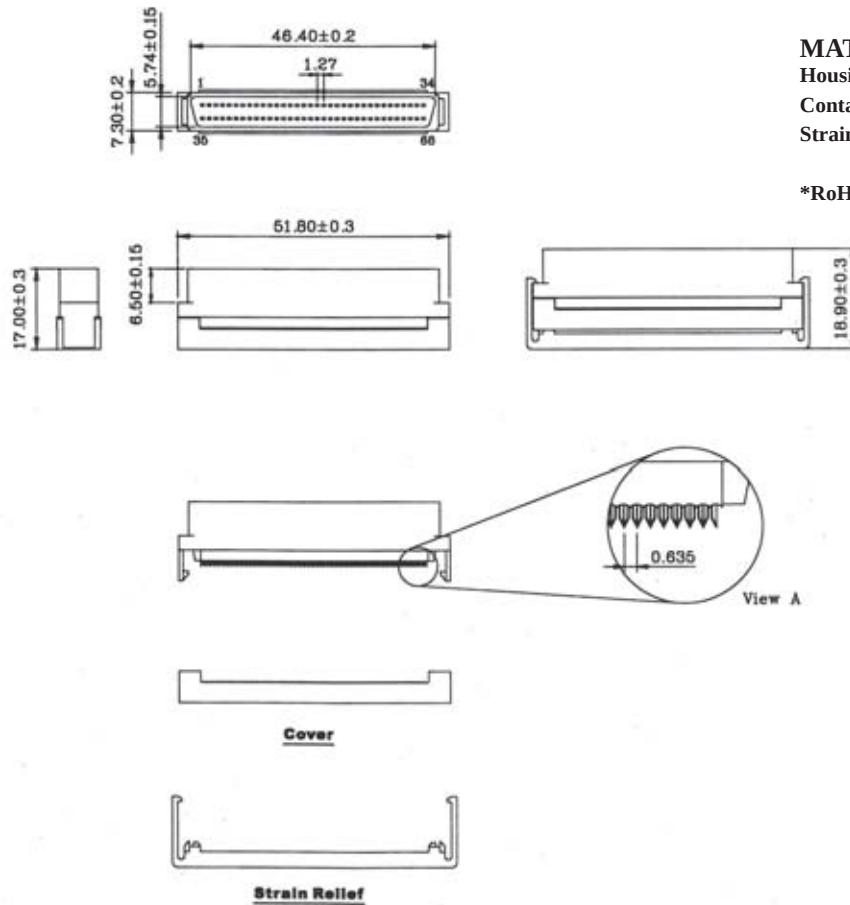
MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Strain Relief: Plastic Thermoplastic P.B.T. UL94V-0,
Black

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N 5 2 M F - $\frac{68}{1} \frac{P}{2}$

1. NO. OF CONTACTS:

68

2. BRACKET TYPE:

"P" ALL PLASTIC

HALF PITCH (1.27MM) D-SUB. IDC TYPE CABLE FEMALE CONNECTOR WITHOUT HOOD

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

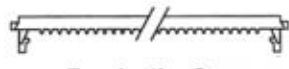
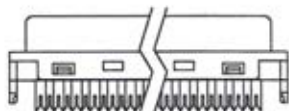
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Cover & Holder: Plastic Thermoplastic UL94V-0,
P.B.T. UL94V-0, Black

***RoHS & REACH compliant.**



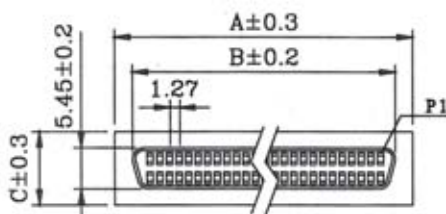
Termination Cover



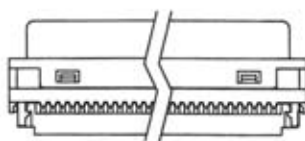
Termination Plate Cover



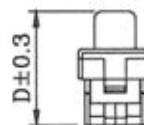
Wire Holder



No. of Contacts	A	B	C	D
26	24.00	19.46	9.30	14.40
36	30.40	25.80	8.40	14.40
50	39.20	34.70	9.30	15.60
68	50.70	46.20	9.30	14.40



M Type (W/O Hood)



ORDERING INFORMATION:

P/N 5 2 F D - $\frac{x}{1} \frac{x}{2} \frac{M}{3} \frac{x}{3}$

1. NO. OF CONTACTS:

26, 36, 50, 68

2. MANUFACTURED TYPE:

"M" MOLDED TYPE (W/O HOOD)

3. WIRE HOLDER (AWG28 & AWG30):

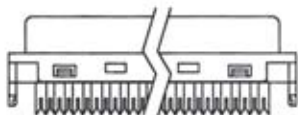
"6" 0.62MM

"7" 0.75MM

"8" 0.80MM

"9" 0.90MM

HALF PITCH (1.27MM) D-SUB. IDC TYPE CABLE FEMALE CONNECTOR KIT WITH HOOD



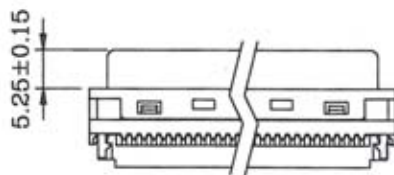
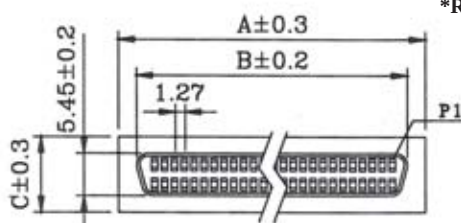
Termination Cover



Termination Plate Cover



Wire Holder



A Type (With Hood)

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Cover & Holder: Plastic Thermoplastic UL94V-0,
P.B.T. UL94V-0, Black

*RoHS & REACH compliant.

No. of Contacts	A	B	C	D
26	24.00	19.46	9.30	14.40
36	30.40	25.80	8.40	14.40
50	39.20	34.70	9.30	15.60
68	50.70	46.20	9.30	14.40

ORDERING INFORMATION:

P/N 5 2 F D - $\frac{x}{1} \frac{x}{2} \frac{A}{3} \frac{x}{4} \frac{x}{5} \frac{x}{6}$

1. NO. OF CONTACTS:

26, 36, 50, 68

2. WIRE HOLDER (AWG28 & AWG30):

"6" 0.62MM

"7" 0.75MM

"8" 0.80MM

"9" 0.90MM

3. HOOD TYPE:

PLASTIC HOOD: PHL, PHLS, PHS

METAL HOOD: MHL, MHR, MHS, MHES, MHES
(SEE PAGE C0491~C0499)

4. ENTRY HOLE SIZE OF HOOD:

0, 4A, 6, 6A, 7, 7A, 8, 8A, 9,
10A, 11, 12, 14, 14A, 15A, Y
(SEE PAGE C0491~C0499)

5. HOOD COLOR OR FINISH:

"V" BEIGE (PLASTIC HOOD)

"B" BLACK (PLASTIC HOOD)

"N" NICKEL PLATED (METAL HOOD)

"G" GOLD PLATED (METAL HOOD)

6. THREADED FINISH:

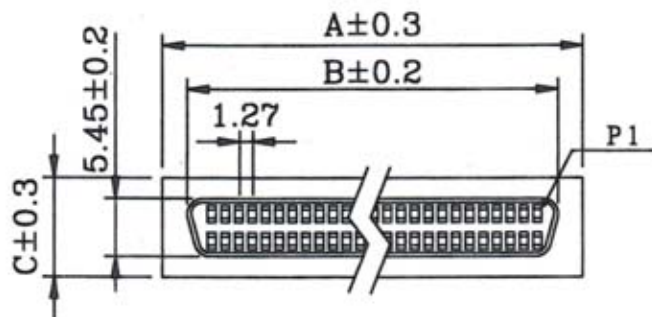
(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

HALF PITCH (1.27MM) D-SUB. SOLDER TYPE CABLE FEMALE CONNECTOR WITHOUT HOOD



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

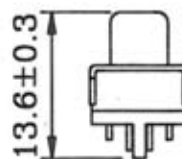
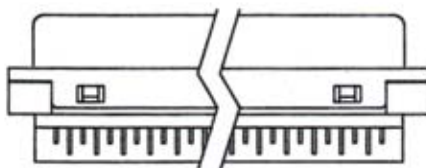
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C
26	24.00	19.46	9.30
36	30.40	25.80	8.40
50	39.30	34.70	9.30
68	50.70	46.20	9.30



M Type (W/O Hood)

ORDERING INFORMATION:

P/N 5 2 F T - $\frac{x}{1} \frac{x}{2} \frac{M}{2}$

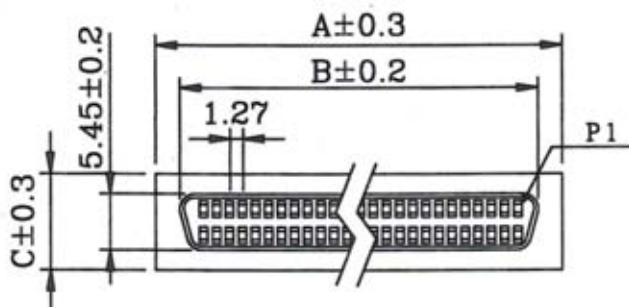
1. NO. OF CONTACTS:

26, 36, 50, 68

2. MANUFACTURED TYPE:

"M" MOLDED TYPE (W/O HOOD)

HALF PITCH (1.27MM) D-SUB. SOLDER TYPE CABLE FEMALE CONNECTOR KIT WITH HOOD



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

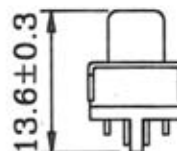
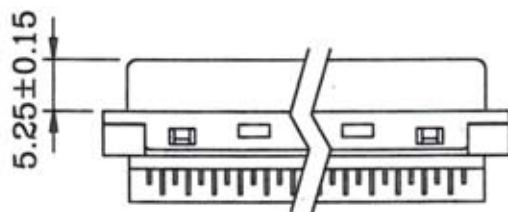
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C
26	24.00	19.46	9.30
36	30.40	25.80	8.40
50	39.30	34.70	9.30
68	50.70	46.20	9.30



A Type (With Hood)

ORDERING INFORMATION:

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

1. NO. OF CONTACTS:

26, 36, 50, 68

2. HOOD TYPE:

PLASTIC HOOD: PHL, PHLS, PHS

METAL HOOD: MHL, MHR, MHS, MHEL, MHES
(SEE PAGE C0491~C0499)

3. ENTRY HOLE SIZE OF HOOD:

0, 4A, 6, 6A, 7, 7A, 8, 8A, 9,
10A, 11, 12, 14, 14A, 15A, Y
(SEE PAGE C0491~C0499)

4. HOOD COLOR OR FINISH:

"V" BEIGE (PLASTIC HOOD)

"B" BLACK (PLASTIC HOOD)

"N" NICKEL PLATED (METAL HOOD)

"G" GOLD PLATED (METAL HOOD)

5. THREADED FINISH:

(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

HALF PITCH (1.27MM) D-SUB. FEMALE CONNECTOR IDC TYPE FOR 0.635MM PITCH FLAT CABLE ASSEMBLY

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

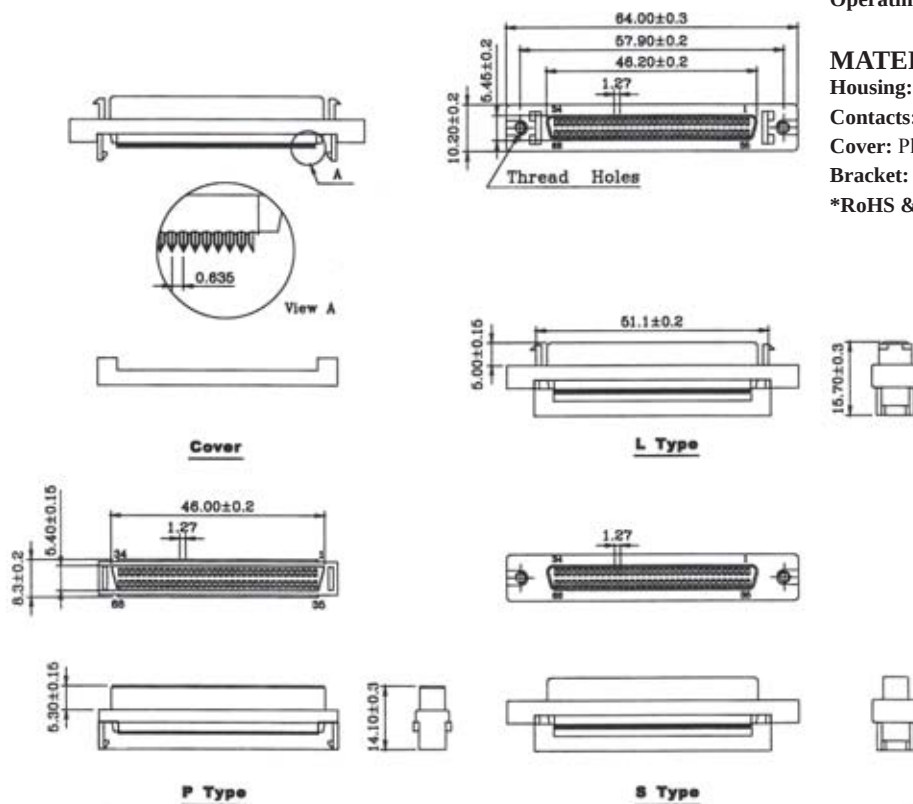
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Cover: Plastic Thermoplastic P.B.T. UL94V-0, Black

Bracket: Zinc Alloy, Nickel Plated Over Copper

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N 5 2 F F - $\frac{68}{1} \times \frac{x}{23}$

1. NO. OF CONTACTS:

68

2. BRACKET TYPE:

"L" LATCH BRACKET

"S" SCREW BRACKET

"P" ALL PLASTIC

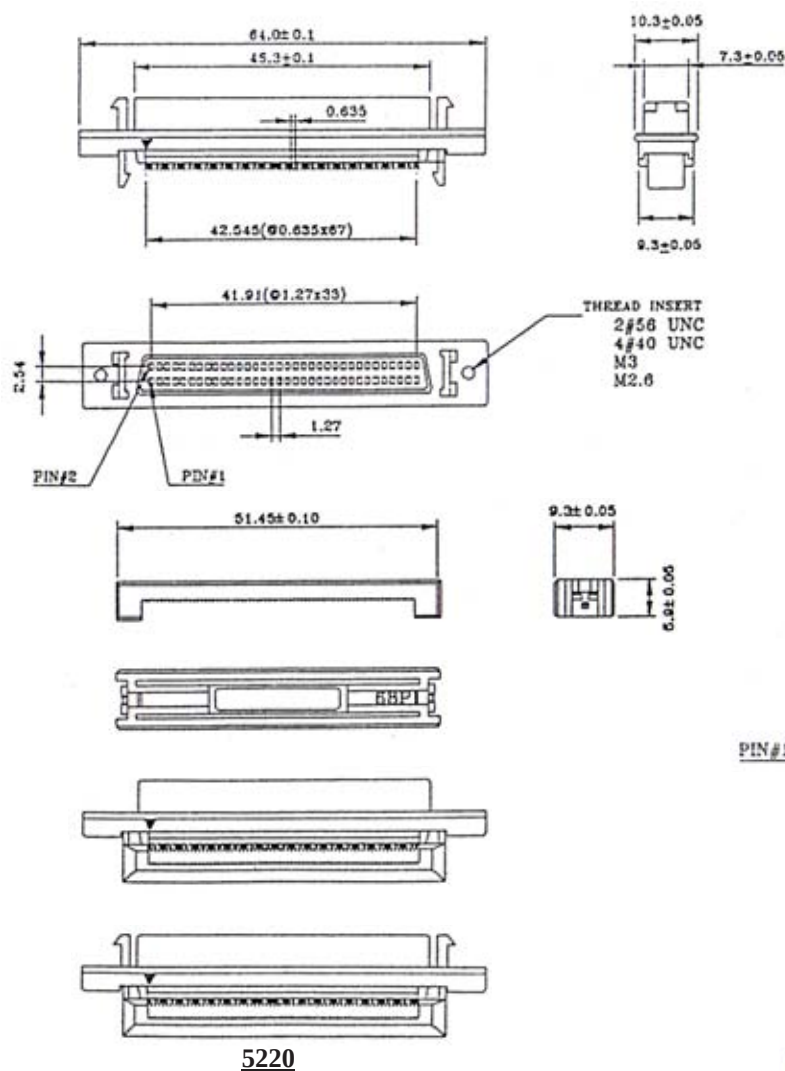
3. THREADED FINISH:

"1" #2-56

"2" #4-40

"3" M2.6

HALF PITCH(1.27MM) D-SUB. CONNECTOR IDC TYPE FOR 0.635MM FLAT CABLE



SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Voltage: 500V AC at 1 Minute

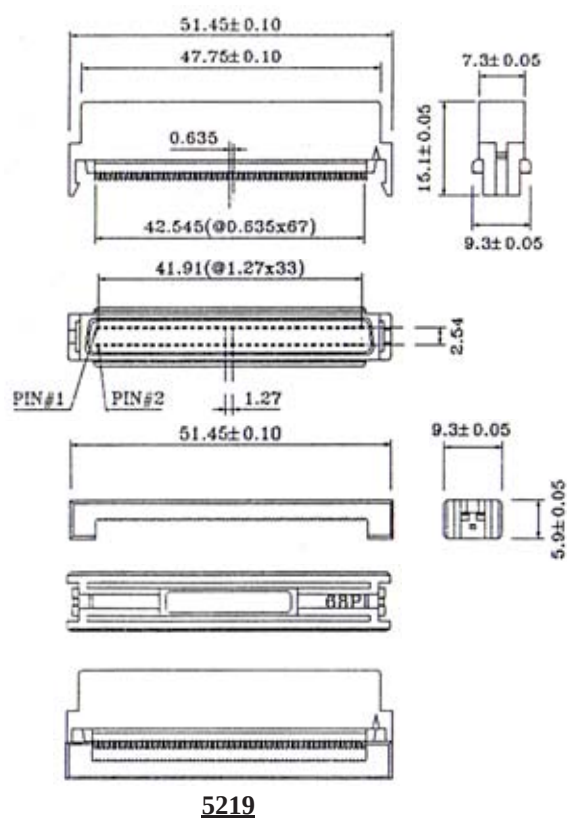
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N 52 $\frac{x}{1}$ - 68 $\frac{x}{2}$ $\frac{x}{3}$

1. CONNECTOR TYPE:

"19" MALE

"20" FEMALE

2. NO. OF CONTACTS:

68

3. MOUNTING TYPE:

"A" MALE ALL PLASTIC W/O S.R.

"B" MALE ALL PLASTIC WITH S.R.

"C" FEMALE WITH LATCHES

UNC2-56 THREADED

"D" FEMALE WITH LATCHES

UNC4-40 THREADED

"E" FEMALE W/O LATCHES

UNC2-56 THREADED

"F" FEMALE W/O LATCHES

UNC4-40 THREADED

HALF PITCH (1.27MM) D-SUB. FEMALE CONNECTOR VERTICAL MOUNT DIP TYPE

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

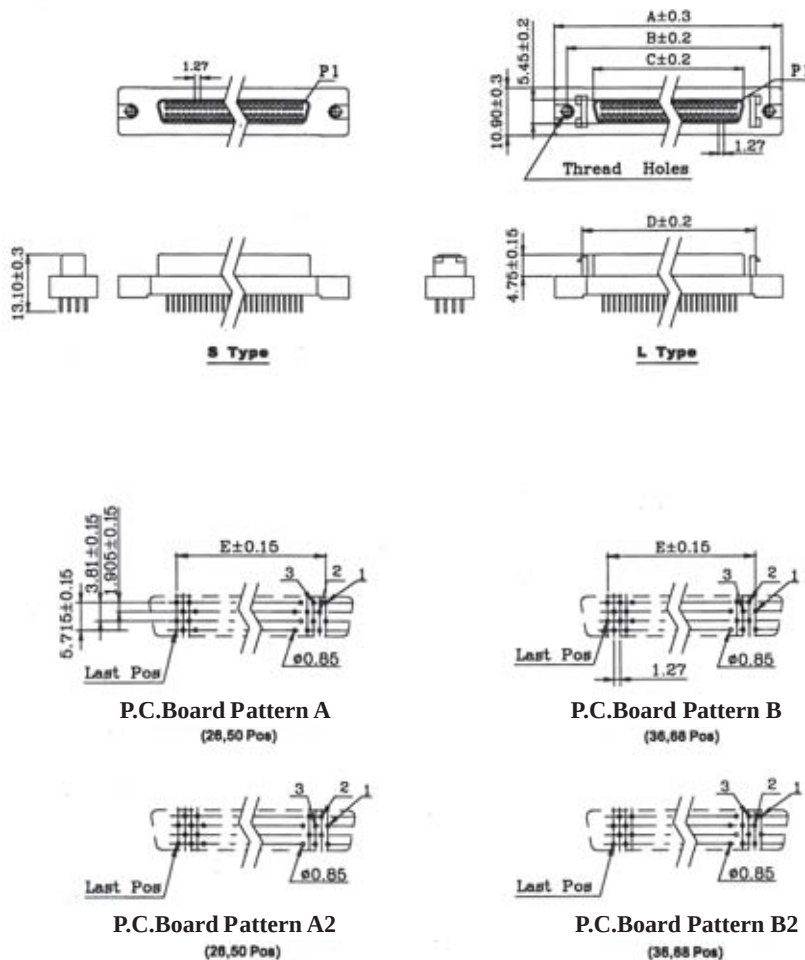
MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Bracket Shell: Zinc Alloy, Nickel Plated Over Copper

***RoHS & REACH compliant.**



No. of Contacts	A	B	C	D	E
26	37.20	31.20	19.46	24.70	15.24
36	43.50	37.60	25.80	31.00	21.59
50	52.60	46.50	34.70	40.10	30.48
68	64.00	57.90	46.20	50.90	41.91

ORDERING INFORMATION:

P/N 5 2 F 3 - $\frac{x x x x x}{1 2 3 4}$

1. NO. OF CONTACTS:

26, 36, 50, 68

2. BRACKET TYPE:

"L" LATCH BRACKET
"S" SCREW BRACKET

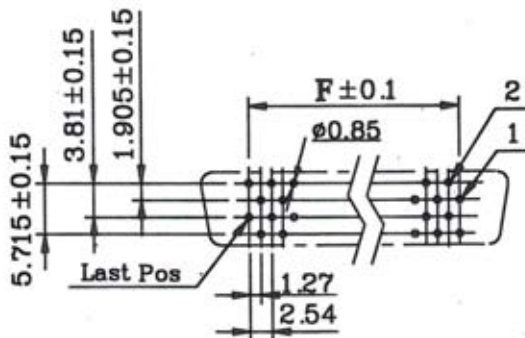
3. THREADED FINISH:

"1" #2-56
"2" #4-40
"3" M2.6

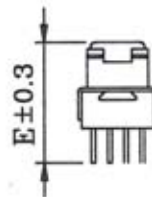
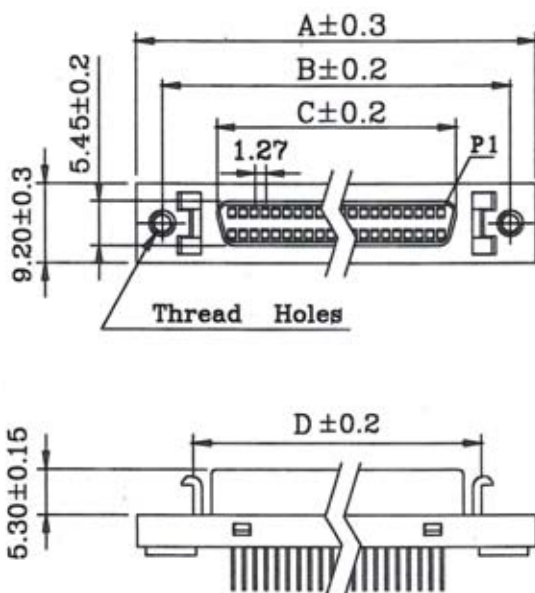
4. PCB LAYOUT TYPE:

"A" STANDARD (26P, 50P)
"A2" REVERSE (26P, 50P)
"B" STANDARD (36P, 68P)
"B2" REVERSE (36P, 68P)

HALF PITCH (1.27MM) D-SUB. FEMALE CONNECTOR VERTICAL MOUNT DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Bracket: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D	E	F
40	46.10	40.15	28.25	33.30	13.20	24.13
100	84.18	78.25	66.45	71.50	12.70	62.23

ORDERING INFORMATION:

P/N 5 2 F 4 - $\frac{x}{1} \frac{x}{2} \frac{L}{3} \frac{x}{3}$

1. NO. OF CONTACTS:

40, 100

2. BRACKET TYPE:

"L" LATCH BRACKET

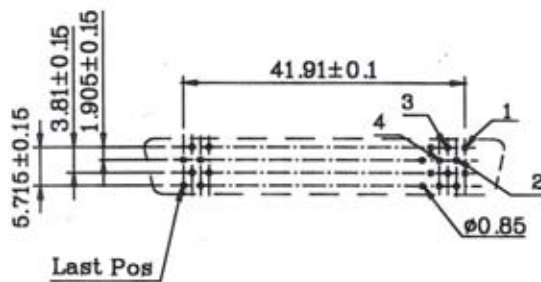
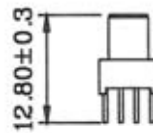
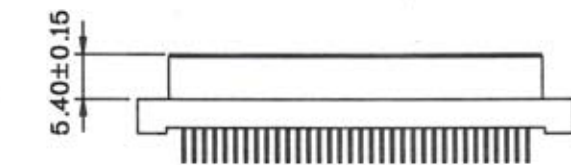
3. THREADED FINISH:

"1" #2-56

"2" #4-40

"3" M2.6

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black
Contacts: Copper Alloy, Gold Selective Plated
***RoHS & REACH compliant.**

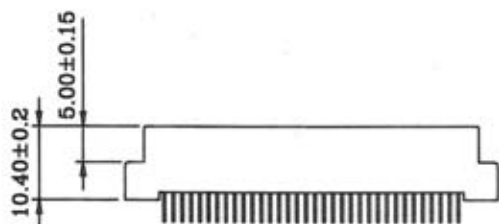
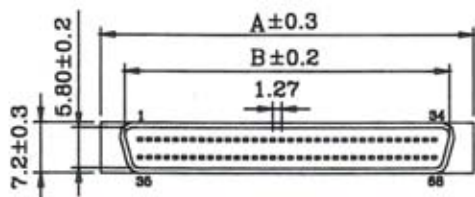


P.C.Board Pattern B2
(68 Pos)

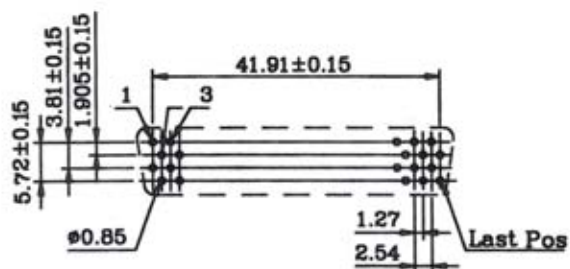
P/N 5 2 F 5 - $\frac{xx}{1} \frac{Px}{23}$

- # ELITALIA

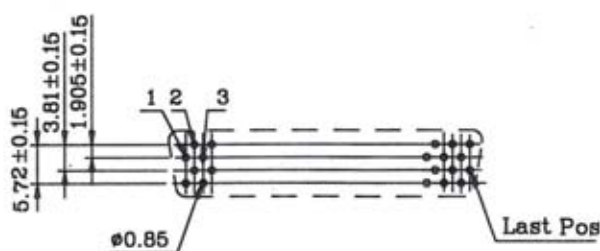
HALF PITCH (1.27MM) D-SUB. MALE CONNECTOR ALL PLASTIC VERTICAL MOUNT DIP TYPE



Hosing	A	B
L	53.10	46.50
S	48.60	46.50



P.C.Board Pattern B
(68 Pos)



P.C.Board Pattern B2
(68 Pos)

ORDERING INFORMATION:

P/N 5 2 M 1 - $\frac{x}{1} \frac{x}{2} \frac{P}{3} \frac{x}{4}$

1. NO. OF CONTACTS:
68
2. BRACKET TYPE:
"P" ALL PLASTIC
3. PCB LAYOUT TYPE:
"B" STANDARD (68P)
"B2" REVERSE (68P)
4. HOUSING FINISH:
"L" LONG
"S" SHORT

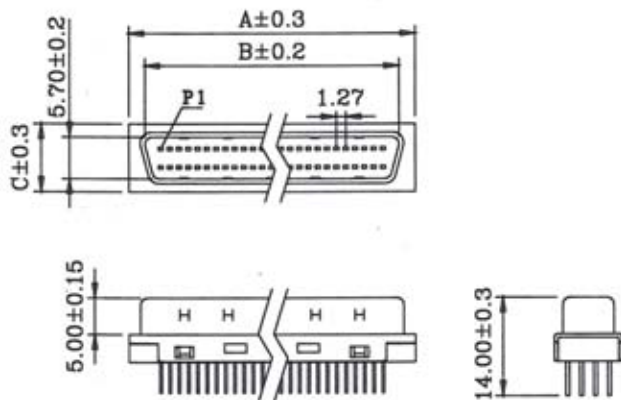
SPECIFICATIONS

Current Rating: 1.0 Amp
Dielectric Withstanding: 500V AC
Contact Resistance: 35m OHMS Max.
Insulation Resistance: 500M OHMS Min
Operating Temperature: -55°C to +105°C

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black
Contacts: Copper Alloy, Gold Selective Plated
*RoHS & REACH compliant.

HALF PITCH (1.27MM) D-SUB. MALE CONNECTOR VERTICAL MOUNT DIP TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

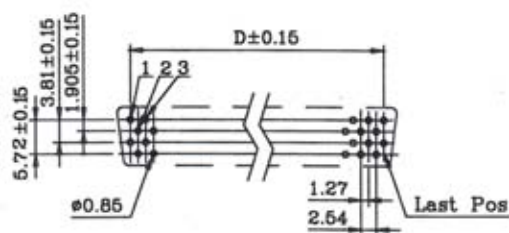
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

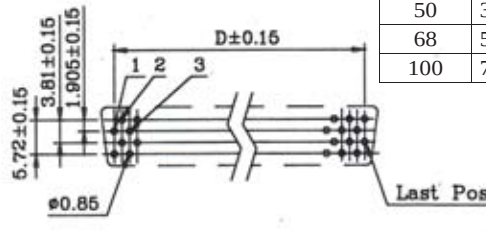
Front Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

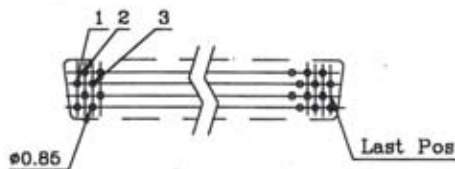
No. of Contacts	A	B	C	D
20	20.20	15.80	9.30	11.43
26	24.00	19.65	9.30	15.24
36	30.40	25.96	8.50	21.59
40	32.95	28.50	9.30	24.13
50	39.30	34.85	9.30	30.48
68	50.70	46.35	9.30	41.91
100	71.05	66.68	9.30	62.23



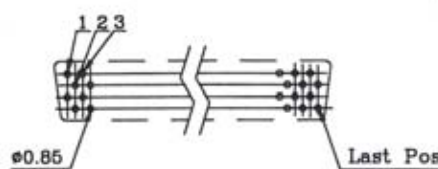
P.C.Board Pattern A
(26,50 Pos)



P.C.Board Pattern B
(20,36,40,68,100 Pos)



P.C.Board Pattern A2
(26,50 Pos)



P.C.Board Pattern B2
(20,36,40,68,100 Pos)

ORDERING INFORMATION:

P/N 5 2 M 2 - $\frac{x}{1} \frac{x}{2}$

1. NO. OF CONTACTS:

20, 26, 36, 40, 50, 68, 100

2. PCB LAYOUT TYPE:

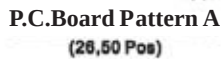
"A" STANDARD (26P, 50P)

"A2" REVERSE (26P, 50P)

"B" STANDARD (20P, 36P, 40P, 68P, 100P)

"B2" REVERSE (20P, 36P, 40P, 68P, 100P)

HALF PITCH (1.27MM) D-SUB. MALE CONNECTOR VERTICAL MOUNT DIP TYPE



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

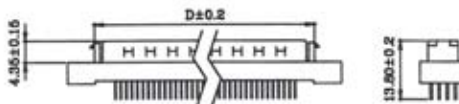
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D	E
26	37.20	31.20	19.65	24.70	15.24
36	43.50	37.60	25.96	31.00	21.59
50	52.60	46.80	34.85	40.10	30.50
68	64.00	57.90	46.35	51.00	41.91



ORDERING INFORMATION:

P/N 5 2 M 3 - X₁ X₂ X₃ X₄

1. NO. OF CONTACTS:

26, 36, 50, 68

- ## 2. BRACKET TYPE:

"L" LATCH BRACKET

"S" SCREW BRACKET

- ### 3. THREADED FINISH:

"1" #2-56

"2" #4-40

"3" M2.6

- #### 4. PCB LAYOUT TYPE:

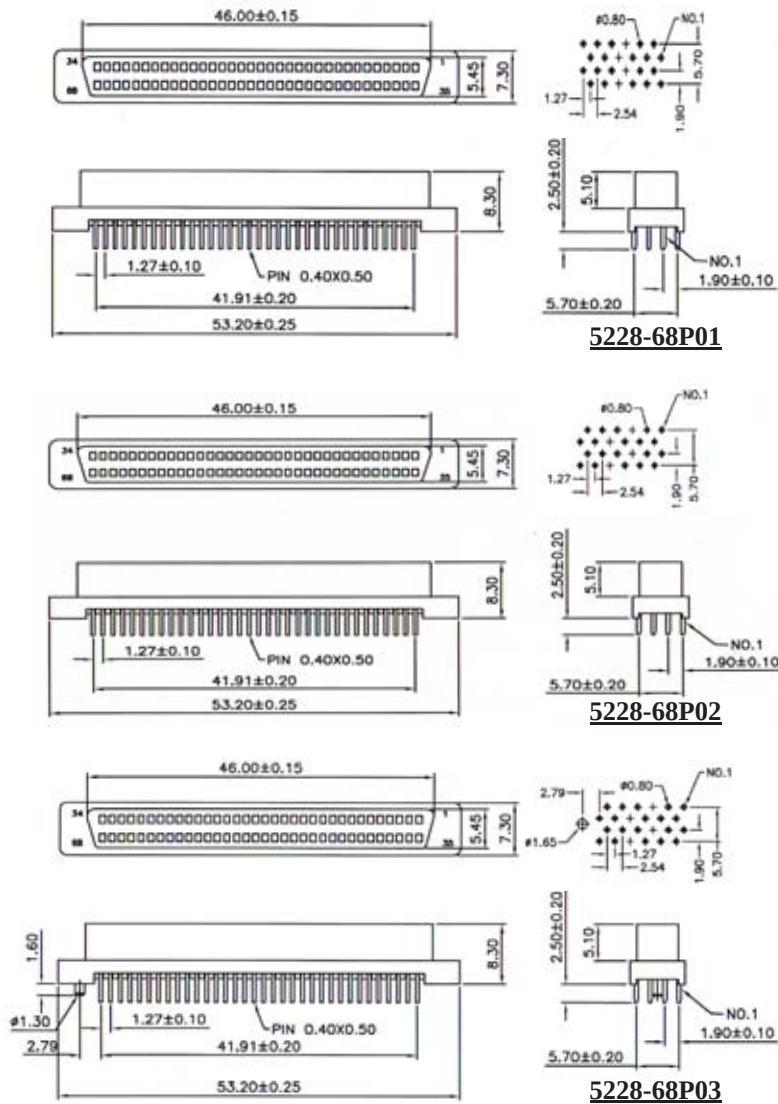
"A" STANDARD (26P, 50P)

"A2" REVERSE (26P, 50P)

"B" STANDARD (36P, 68P)

"B2" REVERSE (36P, 68P)

HALF PITCH(1.27MM) SCSI-III D-SUB. FEMALE CONNECTOR STRAIGHT PCB MOUNT TYPE



SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 300V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze

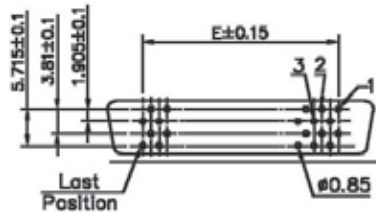
***RoHS & REACH compliant.**

ORDERING INFORMATION:

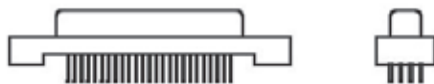
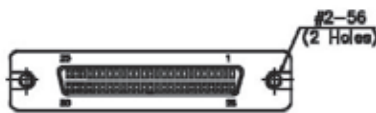
P/N 5 2 2 8 - $\frac{68}{1} \frac{P}{2} \frac{x}{3} \frac{x}{4}$

1. NO. OF CONTACTS:
"68" HPDB68F (SCSI-III FEMALE)
2. HOUSING TYPE:
"P" ALL PLASTIC TYPE
3. PCB LAYOUT TYPE:
"01" TYPE 1 W/O POST
"02" TYPE 2 W/O POST
"03" TYPE 2 WITH POST

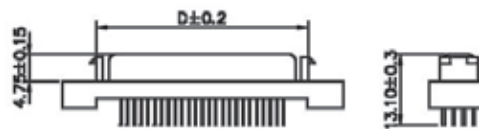
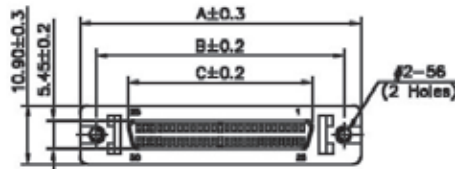
HALF PITCH(1.27MM) D-SUB. FEMALE CONNECTOR STRAIGHT PCB MOUNTING TYPE



Recommended P.C.Board Layout



Without Latch blocks



With latch blocks

SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 35mΩ Max.

Insulation Resistance: 500MΩ Min.

Dielectric Wistanding: 250V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze

***RoHS & REACH compliant.**

No. of Contacts	Dimensions(mm)				
	A	B	C	D	E
26	37.20	31.20	19.46	24.70	15.24
36	43.50	37.60	25.80	31.00	21.59
50	52.60	46.80	34.70	40.10	30.48
68	64.00	57.90	46.20	50.09	41.91

ORDERING INFORMATION:

P/N 5 1 94 - x x x x x
1 2 3 4 5

1. CONNECTOR TYPE:

"94" FEMALE

2. NO. OF CONTACTS:

26, 36, 50, 68

3. SHELL TYPE:

"N" NICKEL PLATED METAL SHELL

"P" ALL PLASTIC

4. SCREW TYPE:

"2" UNC #2-56

"4" UNC #4-40

" " NONE

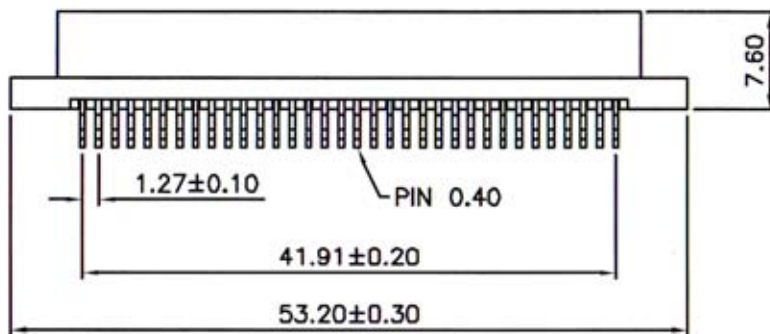
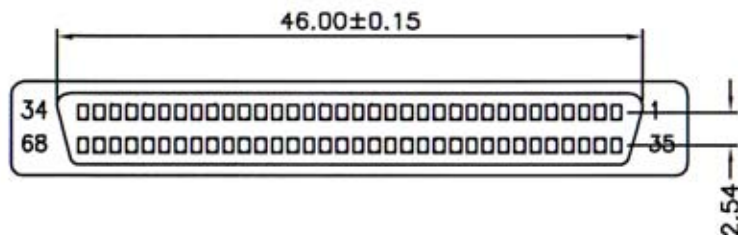
5. BRACKET TYPE:

" " W/O BRACKET (ALL PLASTIC)

"1" WITH LATCH BRACKETS (METAL SHELL)

"2" W/O LATCH BRACKETS (METAL SHELL)

HALF PITCH(1.27MM) SCSI-III FEMALE CONNECTOR STRADDLE MOUNT TYPE



SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: $20\text{m}\Omega$ Max.

Insulation Resistance: $1000\text{M}\Omega$ Min.

Dielectric Withstanding: 300V AC/DC

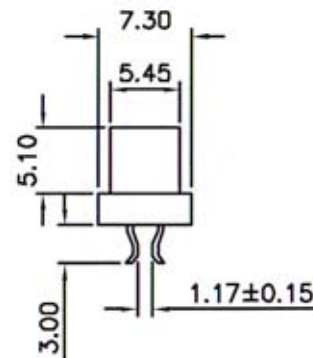
Operating Temperature: -40°C to $+105^\circ\text{C}$

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze

*RoHS & REACH compliant.

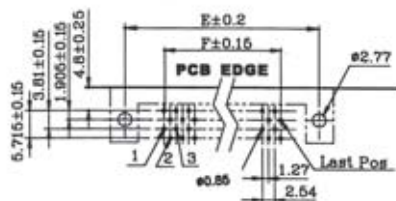
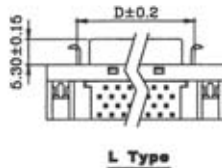
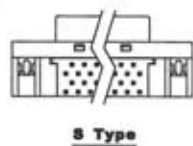
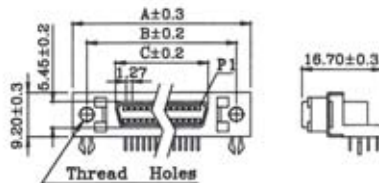
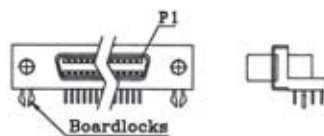


ORDERING INFORMATION:

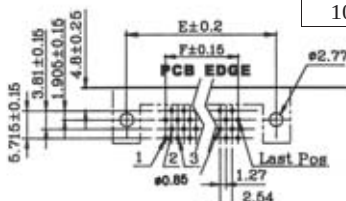
P/N 5 2 4 6 - 6 8 P 0 1
 1 2 3

1. NO. OF CONTACTS:
"68" HPDB68F (SCSI-III FEMALE)
2. HOUSING TYPE:
"P" ALL PLASTIC TYPE
3. PCB LAYOUT TYPE:
"01" TYPE 1

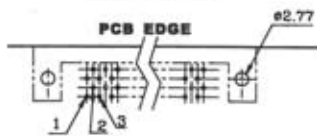
HALF PITCH (1.27MM) D-SUB. FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



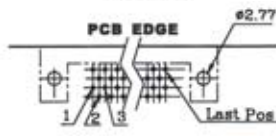
P.C.Board Pattern B
(20,40,68,100 Pos)



P.C.Board Pattern A
(26,50 Pos)



P.C.Board Pattern B2
(20,40,68,100 Pos)



P.C.Board Pattern A2
(26,50 Pos)

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Bracket Shell: Steel, Nickel Plated Over Copper

Boardlock: Copper Alloy, Tin Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D	E	F
20	33.50	27.60	15.64	20.80	27.60	11.43
26	37.19	31.26	19.45	24.65	31.26	15.24
40	46.10	40.15	28.25	33.70	40.15	24.13
50	52.43	46.50	34.70	39.90	46.50	30.48
68	63.86	57.93	46.13	51.32	57.93	41.91
100	84.18	78.23	66.45	71.50	78.23	62.23

ORDERING INFORMATION:

P/N 5 2 F 1 - $\frac{x x x x x}{1 2 3 4}$

1. NO. OF CONTACTS:

20, 26, 40, 50, 68, 100

2. BRACKET TYPE:

"L" LATCH BRACKET

"S" SCREW BRACKET

3. THREADED FINISH:

"1" #2-56

"2" #4-40

"3" M2.6

4. PCB LAYOUT TYPE:

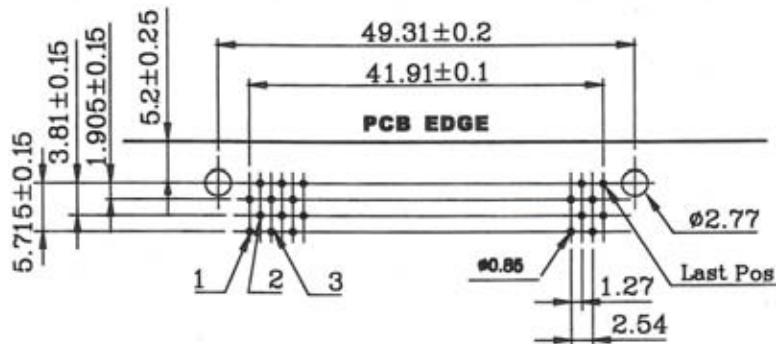
"A" STANDARD (26P, 50P)

"A2" REVERSE (26P, 50P)

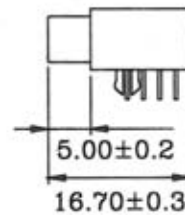
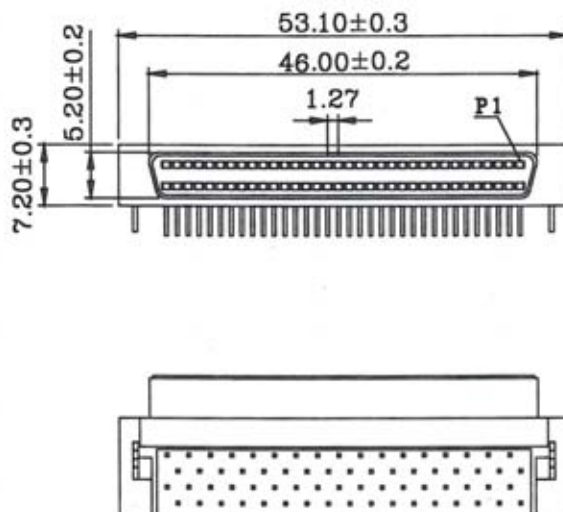
"B" STANDARD (20P, 40P, 68P, 100P)

"B2" REVERSE (20P, 40P, 68P, 100P)

HALF PITCH (1.27MM) D-SUB. FEMALE CONNECTOR ALL PLASTIC RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Boardlock: Copper Alloy, Tin Plated Over Copper

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 2 F 2 - $\frac{x}{1} \frac{x}{2} \frac{P}{2}$

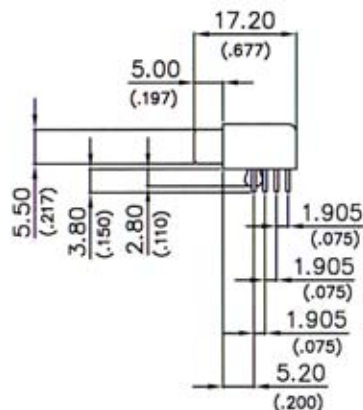
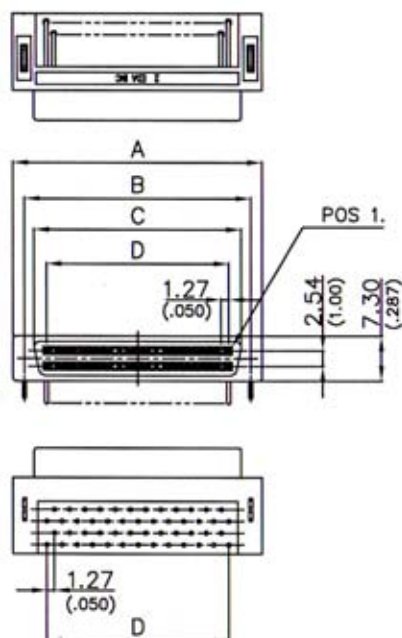
1. NO. OF CONTACTS:

68

2. BRACKET TYPE:

"P" ALL PLASTIC

HALF PITCH(1.27MM) D-SUB. FEMALE CONNECTOR RIGHT ANGLE ALL PLASTIC TYPE



SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 35mΩ Max.

Insulation Resistance: 500MΩ Min.

Dielectric Withstanding: 250V AC

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

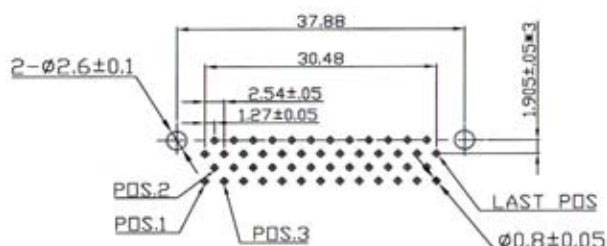
MATERIALS

Insulator: PBT, UL94V-0 Rated

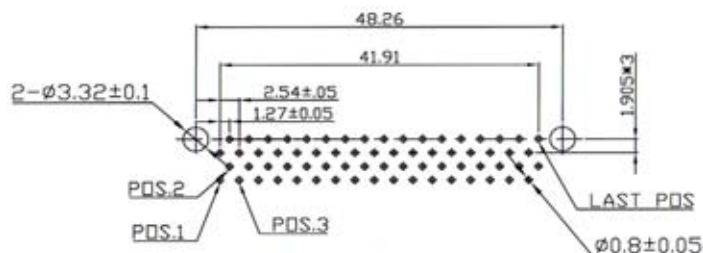
Contact: Phosphor Bronze

***RoHS & REACH compliant.**

No. of Contacts	Dimensions(mm)			
	A	B	C	D
50	41.70	37.88	10.96	30.48
68	53.13	49.31	46.13	41.91



Recommended P.C.Board Hole Pattern
(5246-50Pxx)



Recommended P.C.Board Hole Pattern
(5246-68Pxx)

ORDERING INFORMATION:

P/N 5 2 4 6 - $\frac{xx}{1}$ $\frac{Px0}{234}$

1. NO. OF CONTACTS:

"50" HPDB50F (SCSI- II FEMALE)

"68" HPDB68F (SCSI- III FEMALE)

2. HOUSING TYPE:

"P" ALL PLASTIC TYPE

3. SCREW TYPE OF MATING HOLES:

"C" UNC#4-40

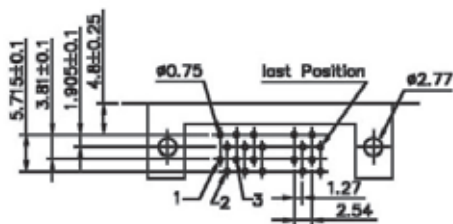
"F" UNC#2-56

"J" NO SCREW

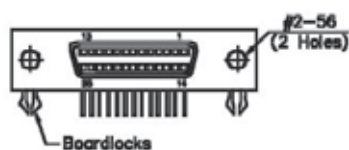
4. BRACKET TYPE:

"0" NO BRACKET (ALL PLASTIC)

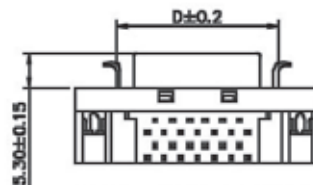
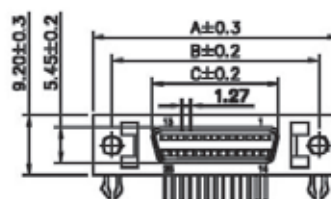
HALF PITCH(1.27MM) D-SUB. FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



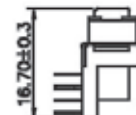
Recommended P.C.Board Layout



Without Latch blocks



With latch blocks



No. of Contacts	Dimensions(mm)					
	A	B	C	D	E	F
26	37.19	31.26	19.45	24.65	34.20	21.59
50	52.43	46.49	34.70	39.90	46.40	30.48
68	63.86	57.92	46.13	51.32	57.90	41.91
100	84.18	78.23	66.45	78.10	62.23	

SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 35mΩ Max.

Insulation Resistance: 500MΩ Min.

Dielectric Withstanding: 250V AC

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 51 $\frac{XX}{1}$ - $\frac{XXXXXX}{2345}$

1. CONNECTOR TYPE:

"39" MALE

"40" FEMALE

2. NO. OF CONTACTS:

26, 50, 68, 100

3. BOARD MOUNTING OPTION:

"0" NONE

"1" Ø3.05MM THROUGH HOLES

"2" #4-40UNC THREADED HOLES

4. FLANGE MOUNTING OPTION:

"0" Ø3.05MM THROUGH HOLES

"4" #4-40UNC

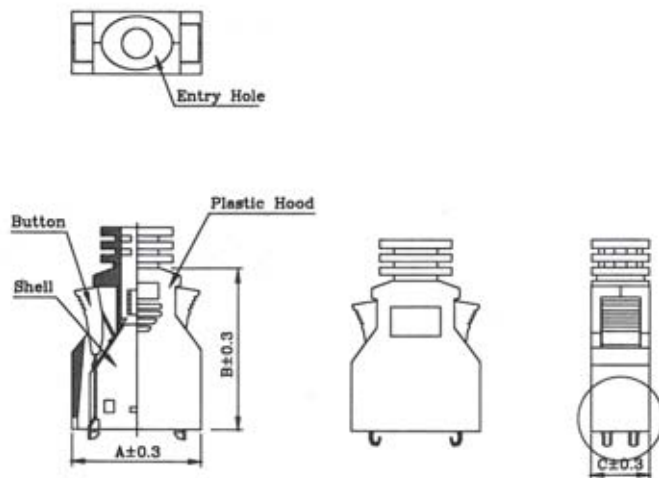
"2" #2-56UNC

5. BRACKET TYPE:

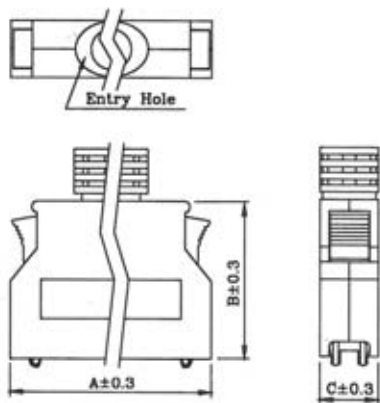
"1" WITH LATCH BRACKETS

"2" W/O LATCH BRACKETS

PLASTIC HOOD STRAIGHT EXIT WITH SPRING LATCHES FOR HALF PITCH CABLE FEMALE & MALE CONNECTORS



14P



20P, 26P, 36P, 50P

MATERIALS

Housing: Plastic Thermoplastic PC

Screw: Steel, Nickel Plated Over Copper

Latch: Stainless Steel

Latch Cover: Plastic Thermoplastic P.B.T. UL94V-0

Nuts: Steel, Nickel Plated Over Copper

Cable Clipper: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C
14	26.00	30.30	12.00
20	30.00	31.50	12.50
26	33.70	31.40	12.50
36	40.00	31.40	11.50
50	49.20	31.40	12.50

ORDERING INFORMATION:

P/N P H L $\frac{x}{1}$ - $\frac{x}{2}$ $\frac{x}{3}$

1. NO. OF CONTACTS:

14, 20, 26, 36, 50

2. ENTRY HOLE SIZES:

"4A" Ø4.5MM (14P)

"6" Ø6MM (14P, 20P)

"6A" Ø6.5MM (14P, 20P)

"7" Ø7MM (14P, 20P, 26P, 36P)

"7A" Ø7.5MM (14P, 20P)

"8" Ø8MM (14P, 20P, 26P, 36P)

"8A" Ø8.5MM (26P, 36P)

"9" Ø9MM (36P, 50P)

"10A" Ø10.5MM (50P)

3. HOOD COLOR:

"V" BEIGE

"B" BLACK

PLASTIC HOOD STRAIGHT EXIT WITH JACK SCREWS FOR HALF PITCH CABLE FEMALE & MALE CONNECTORS

MATERIALS

Housing: Plastic Thermoplastic PC

Screw: Steel, Nickel Plated Over Copper

Latch: Stainless Steel

Latch Cover: Plastic Thermoplastic P.B.T. UL94V-0

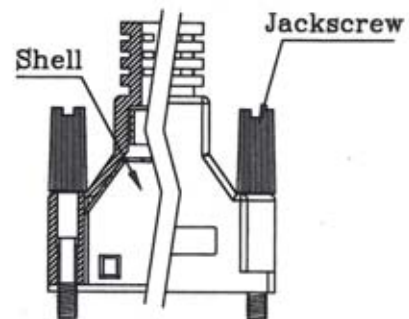
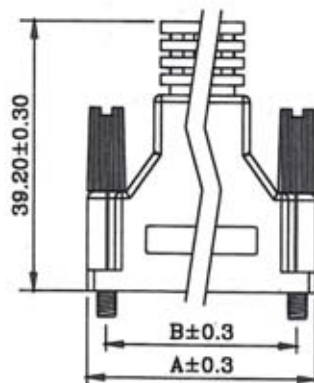
Nuts: Steel, Nickel Plated Over Copper

Cable Clipper: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**



No. of Contacts	A	B	C
20	33.04	27.40	12.60
26	36.74	31.26	12.60
36	43.20	37.61	12.30



ORDERING INFORMATION:

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

1. NO. OF CONTACTS:

20, 26, 36

2. ENTRY HOLE SIZES:

"6" Ø6MM (20P)

"6A" Ø6.5MM (20P)

"7" Ø7MM (20P, 26P, 36P)

"7A" Ø7.5MM (20P)

"8" Ø8MM (26P, 36P)

"8A" Ø8.5MM (26P, 36P)

"9" Ø9MM (36P)

3. HOOD COLOR:

"V" BEIGE

"B" BLACK

4. THREADED FINISH:

"1" JACKSCREWS #2-56

"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

PLASTIC HOOD STRAIGHT EXIT WITH LATCHES & SCREWS FOR HALF PITCH CABLE FEMALE & MALE CONNECTORS

MATERIALS

Housing: Plastic Thermoplastic PC

Screw: Steel, Nickel Plated Over Copper

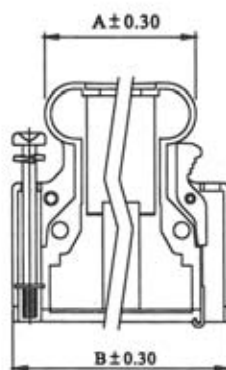
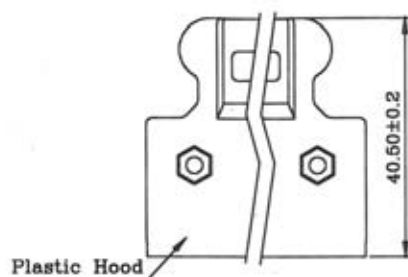
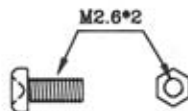
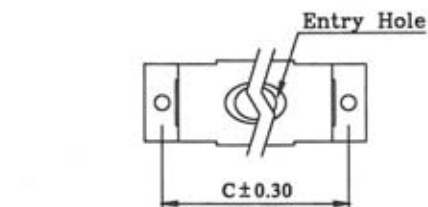
Latch: Stainless Steel

Latch Cover: Plastic Thermoplastic P.B.T. UL94V-0

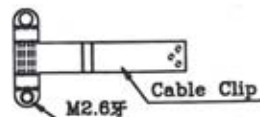
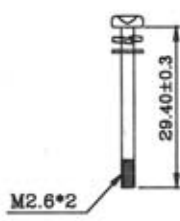
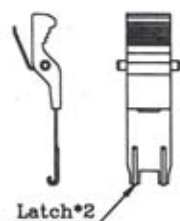
Nuts: Steel, Nickel Plated Over Copper

Cable Clipper: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**



No. of Contacts	A	B	C
14	18.20	29.50	23.60
20	22.00	33.30	27.40
26	26.00	37.00	31.50
36	32.20	43.50	37.60
50	41.10	52.40	46.50



ORDERING INFORMATION:

P/N P H L S $\frac{x}{1} - \frac{x}{2} \frac{x}{3}$

1. NO. OF CONTACTS:

14, 20, 26, 36, 50

2. ENTRY HOLE SIZES:

"9" Ø9MM

"11" Ø11MM

"12" Ø12MM

"15A" Ø15.5MM

3. HOOD COLOR:

"V" BEIGE

"B" BLACK

METAL HOOD STRAIGHT EXIT WITH SPRING LATCHES FOR HALF PITCH CABLE FEMALE & MALE CONNECTORS

MATERIALS

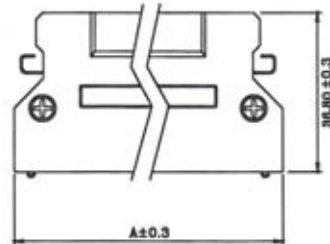
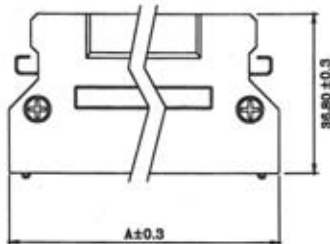
Backshell: Zinc Alloy, Nickel Plated Over Copper

Spring Latches: Stainless Steel

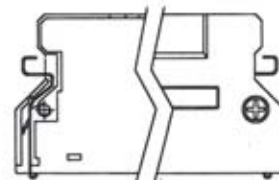
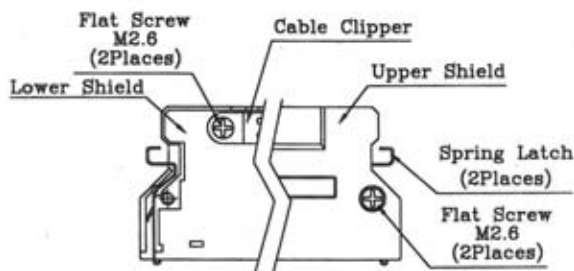
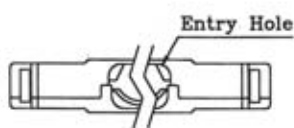
Flat Screws: Steel, Nickel Plated Over Copper

Cable Clipper: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**



No. of Contacts	A
20	31.60
26	35.20
36	41.50
40	44.15
50	50.50
68	61.30



CLOSE TYPE

(For Clip S.M.T. Connector With Terminator)

ORDERING INFORMATION:

P/N M H L $\frac{x}{1} - \frac{x}{2} \frac{x}{3}$

1. NO. OF CONTACTS:

20, 26, 36, 40, 50, 68

2. ENTRY HOLE SIZES:

"0" CLOSE TYPE (50P, 68P)

"7" Ø7MM (20P, 26P)

"7A" Ø7.5MM (36P)

"8" Ø8MM (20P, 26P)

"9" Ø9MM (36P, 40P, 50P)

"10A" Ø10.5MM (40P)

"11" Ø11MM (50P, 68P)

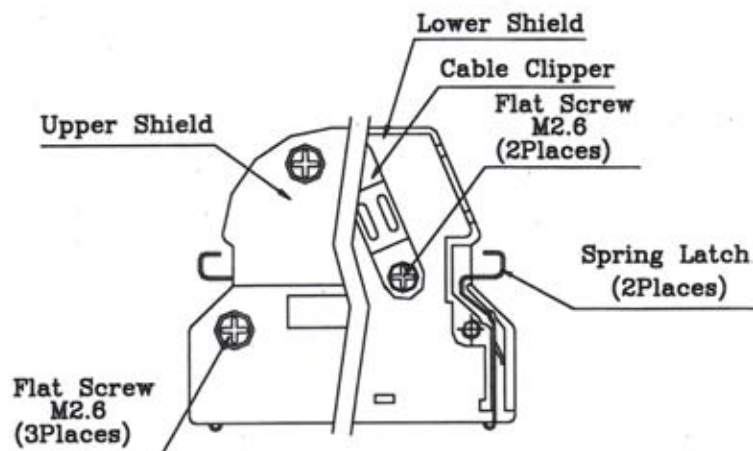
"14" Ø14MM (68P)

3. BACKSHELL FINISH:

"N" NICKEL PLATED (STANDARD)

"G" GOLD PLATED

METAL HOOD ANGLED EXIT WITH SPRING LATCHES FOR HALF PITCH CABLE FEMALE & MALE CONNECTORS



MATERIALS

Backshell: Zinc Alloy, Nickel Plated Over Copper

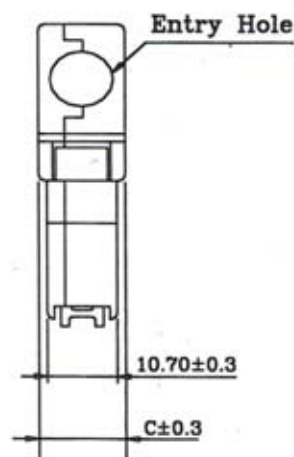
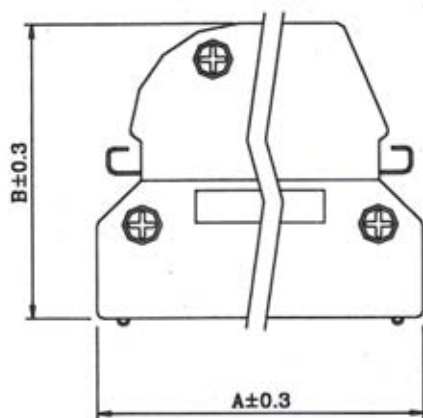
Spring Latches: Stainless Steel

Flat Screws: Steel, Nickel Plated Over Copper

Cable Clipper: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C
26	35.40	48.60	13.20
36	41.50	46.30	13.00
50	50.50	46.25	13.30
68	61.30	46.30	15.60



ORDERING INFORMATION:

P/N M H R $\frac{xx}{1} - \frac{xxx}{23}$

1. NO. OF CONTACTS:

"26" 60°
"36" 67°
"50" 67°
"68" 70°

2. ENTRY HOLE SIZES:

"8" Ø8MM (26P)
"9" Ø9MM (26P, 36P, 50P)
"10" Ø10MM (36P)
"11" Ø11MM (50P, 68P)
"12" Ø12MM (68P)

3. BACKSHELL FINISH:

"N" NICKEL PLATED (STANDARD)
"G" GOLD PLATED

METAL HOOD STRAIGHT EXIT WITH JACKSCREWS FOR HALF PITCH CABLE FEMALE & MALE CONNECTORS

No. of Contacts	A	B	C	D
40	46.60	38.70	11.70	13.00
50	53.30	38.60	11.70	13.60
68	64.10	38.30	11.90	13.90
100	84.20	38.20	12.10	17.50

MATERIALS

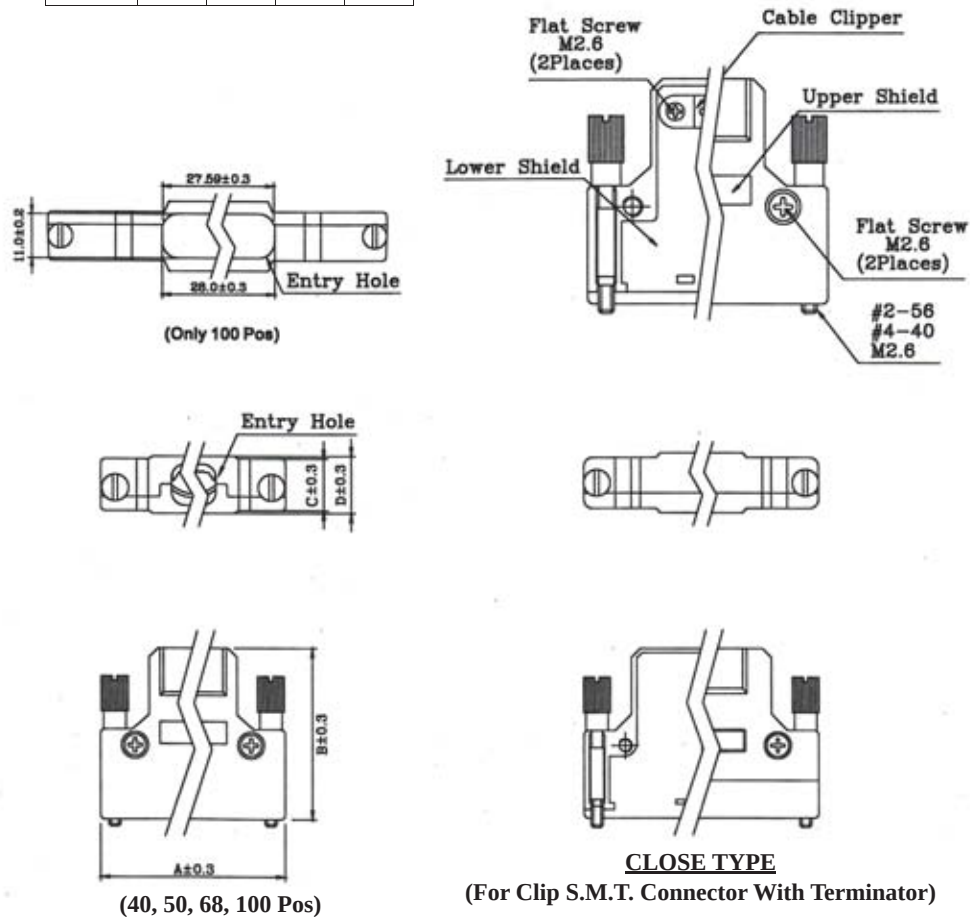
Backshell: Zinc Alloy, Nickel Plated Over Copper

Spring Latches: Stainless Steel

Flat Screws: Steel, Nickel Plated Over Copper

Cable Clipper: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N M H S $\frac{x}{1} - \frac{x}{2} \frac{x}{3} \frac{x}{4}$

1. NO. OF CONTACTS:

40, 50, 68, 100

2. ENTRY HOLE SIZES:

"0" CLOSE TYPE (50P, 68P)

"9" Ø9MM (40P, 50P)

"11" Ø11MM (50P, 68P, 100P)

"14" Ø14MM (68P, 100P)

"Y" ONLY 100 POS.

3. BACKSHELL FINISH:

"N" NICKEL PLATED (STANDARD)

"G" GOLD PLATED

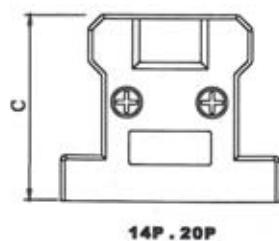
4. THREADED FINISH:

"1" JACKSCREWS #2-56

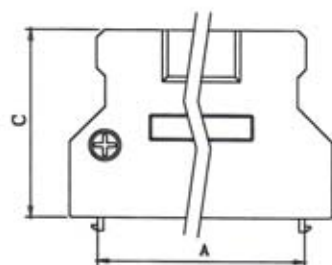
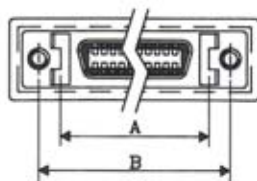
"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

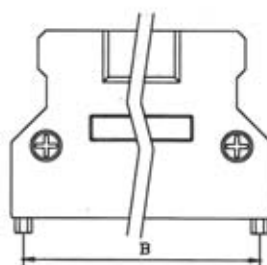
METAL HOOD STRAIGHT EXIT WITH LATCHES & SCREWS FOR HALF PITCH CABLE FEMALE & MALE CONNECTORS



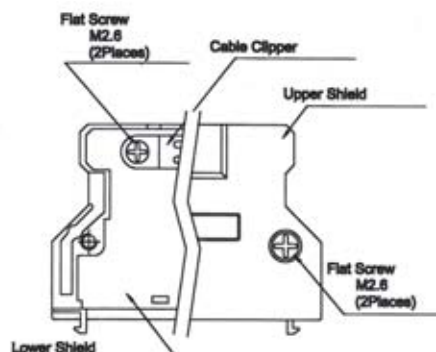
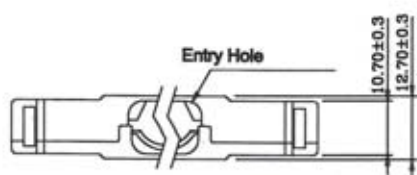
14P.20P



L Type
(26.36.50.68)



S Type
(26.36.50.68)



MATERIALS

Backshell: Zinc Alloy, Nickel Plated Over Copper

Spring Latches: Stainless Steel

Flat Screws: Steel, Nickel Plated Over Copper

Cable Clipper: Steel, Nickel Plated Over Copper

*RoHS & REACH compliant.

No. of Contacts	A	B	C
14	17.08	23.64	26.00
20	20.60	27.45	27.50
26	24.64	31.26	36.70
36	31.05	37.61	36.70
50	39.88	46.50	36.70
68	51.32	57.90	36.70

ORDERING INFORMATION:

P/N M H E $\frac{x}{1} \frac{x}{2} \frac{x}{3} - \frac{x}{4} \frac{x}{5} \frac{N}{4} \frac{x}{5}$

1. BRACKET TYPE:

"L" LATCH BRACKET
"S" SCREW BRACKET

2. NO. OF CONTACTS:

14, 20, 26, 36, 50, 68

3. ENTRY HOLE SIZES:

"7" Ø7MM (14P, 20P)
"7A" Ø7.5MM (26P, 36P)
"9" Ø9MM (26P, 36P, 50P)
"11" Ø11MM (50P, 68P)
"12" Ø12MM
"14" Ø14MM
"15" Ø15.5MM

4. BACKSHELL FINISH:

"N" NICKEL PLATED (STANDARD)

5. THREADED FINISH:

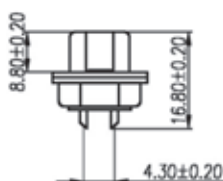
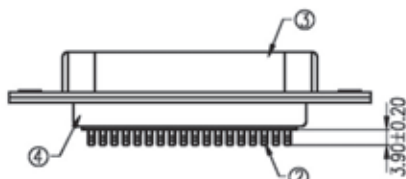
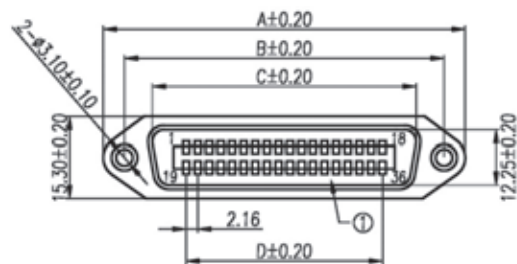
(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

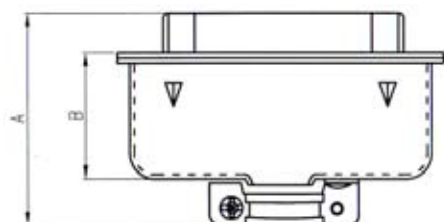
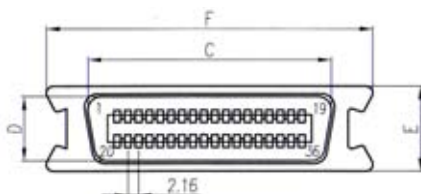
"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

57 SERIES CENTRONIC MALE CONNECTOR SOLDER TYPE



5701



5703

SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Voltage: 500V AC at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

***RoHS & REACH compliant.**

5701

No. of Contacts	Dimensions(mm)			
	A±0.20	B±0.20	C±0.20	D±0.20
14	43.90	36.00	25.50	12.96
24	54.70	46.80	36.30	23.76
36	67.70	59.70	49.30	36.72
50	82.80	74.90	64.60	51.84

5703

No. of Contacts	Dimensions(mm)					
	A±0.20	B±0.20	C±0.20	D±0.20	E±0.20	F±0.20
14	41.40	21.20	25.60	12.25	15.20	38.80
24	41.40	21.20	36.47	12.25	15.20	49.30
36	40.50	22.60	49.35	12.25	15.20	62.00
50	45.50	24.80	64.47	12.25	15.20	77.40

ORDERING INFORMATION:

P/N 57 $\frac{xx}{1}$ - $\frac{xx}{2}$

1. CONNECTOR TYPE:

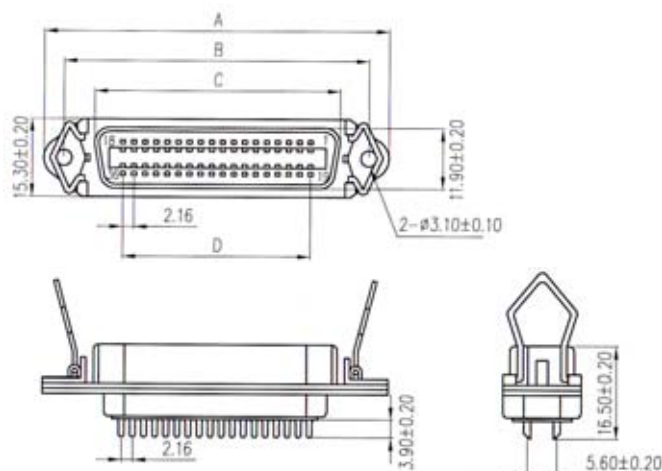
"01" MALE W/O METAL COVER

"03" MALE WITH METAL COVER

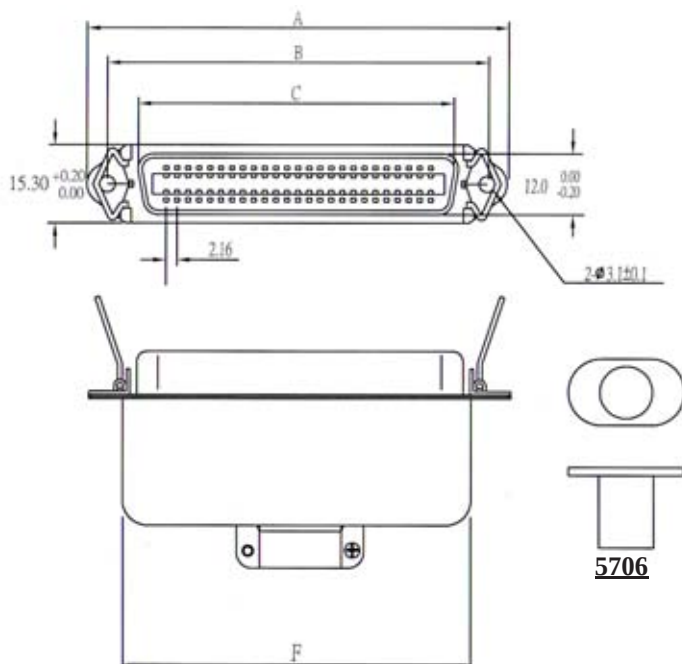
2. NO. OF CONTACTS:

14, 24, 36, 50

57 SERIES CENTRONIC FEMALE CONNECTOR SOLDER TYPE



5702, 5704



5706

SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Voltage: 500V AC at 1 Minute

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

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Brass

***RoHS & REACH compliant.**

5702, 5704

No. of Contacts	Dimensions(mm)			
	A±0.20	B±0.20	C±0.20	D±0.20
14	43.90	35.99	25.20	12.96
24	54.71	46.79	36.00	23.76
36	67.69	59.74	48.90	36.72
50	82.78	74.85	64.00	51.84

5706

No. of Contacts	Dimensions(mm)			
	A±0.20	B±0.20	C±0.20	F±0.20
14	43.92	35.99	25.20	29.00
24	54.71	46.79	36.00	39.80
36	67.69	59.74	48.90	53.00
50	82.78	74.85	64.00	68.10

ORDERING INFORMATION:

P/N 57 $\frac{xx}{1} - \frac{xx}{2}$

1. CONNECTOR TYPE:

"02" FEMALE WITHOUT LATCHES

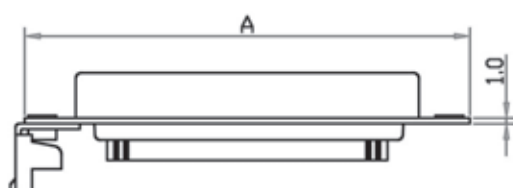
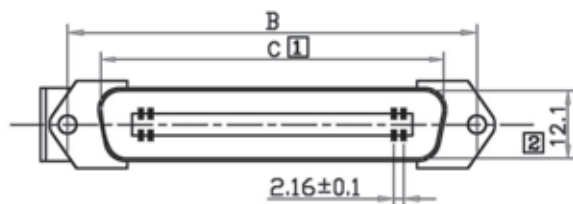
"04" FEMALE WITH 2 LATCHES

"06" FEMALE WITH METAL COVER

2. NO. OF CONTACTS:

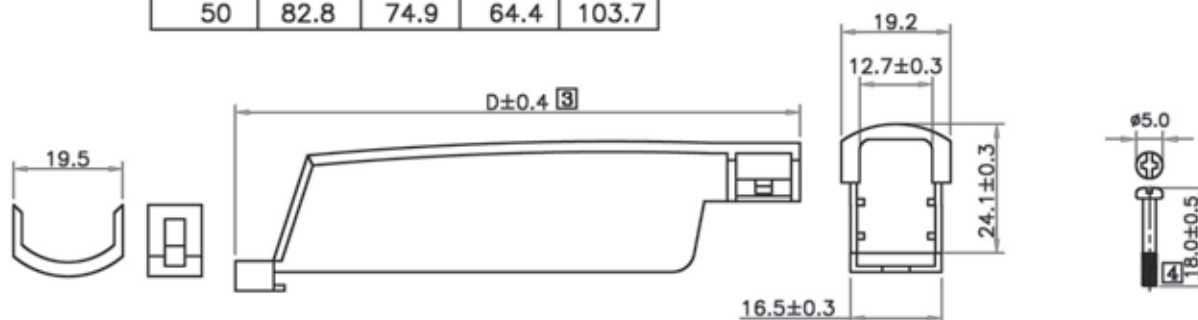
14, 24, 36, 50

57 SERIES CENTRONIC CONNECTOR RIGHT ANGLE SOLDER ASSEMBLY TYPE WITH PLASTIC COVER



Dimensional

Circuits	A	B	C	D
36	67.7	59.7	49.3	90.1
50	82.8	74.9	64.4	103.7



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze or Brass, Gold Plated

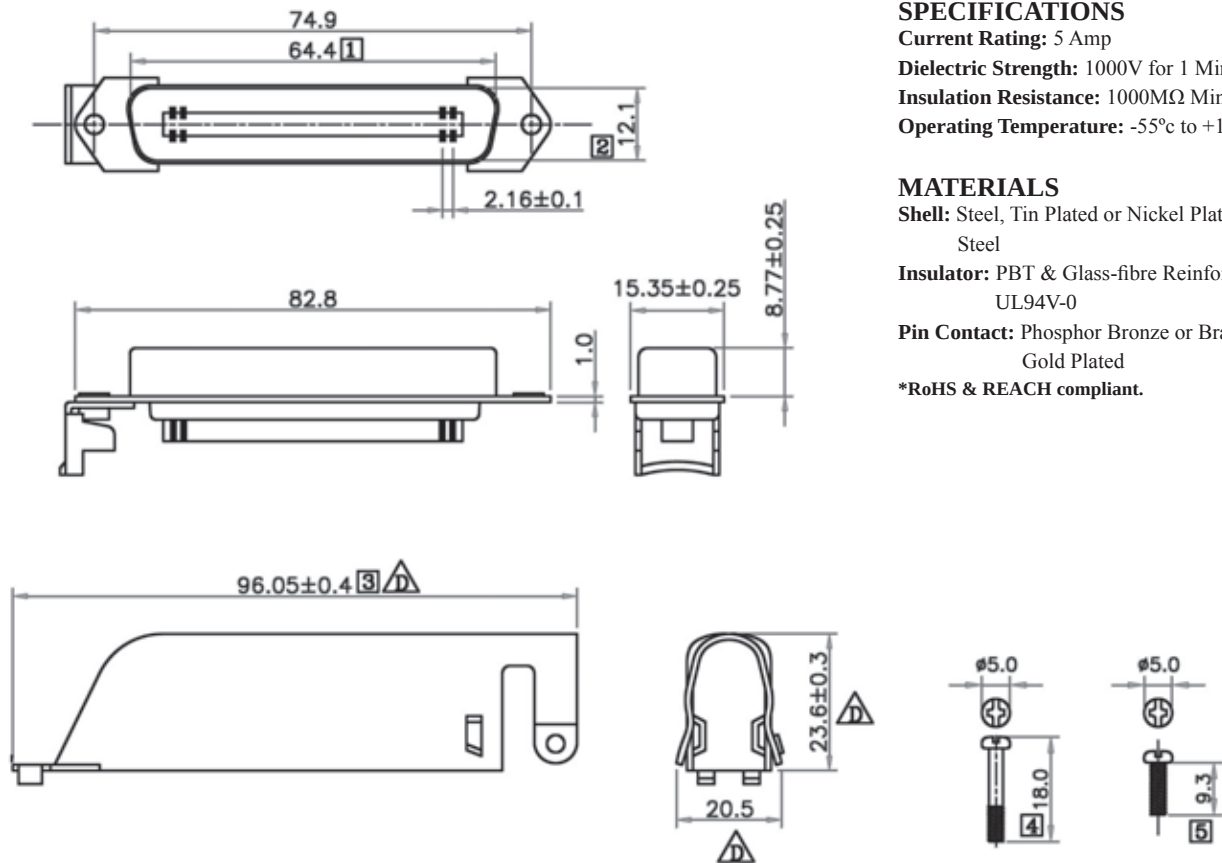
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 7 09 - x x P
1 2 3

1. CONNECTOR TYPE:
"09" MALE R/A SOLDER TYPE
2. NO. OF CONTACTS:
36, 50
3. COVER TYPE:
"P" R/A PLASTIC COVER

57 SERIES CENTRONIC CONNECTOR RIGHT ANGLE SOLDER ASSEMBLY TYPE WITH METAL COVER



ORDERING INFORMATION:

P/N 5 7 0 9 - 5 0 M
 1 2 3

1. CONNECTOR TYPE:
"09" MALE R/A SOLDER TYPE
2. NO. OF CONTACTS:
50
3. COVER COLOR:
"M" R/A METAL COVER

57 SERIES CENTRONIC MALE CONNECTOR ALL PLASTIC SOLDER TYPE

SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

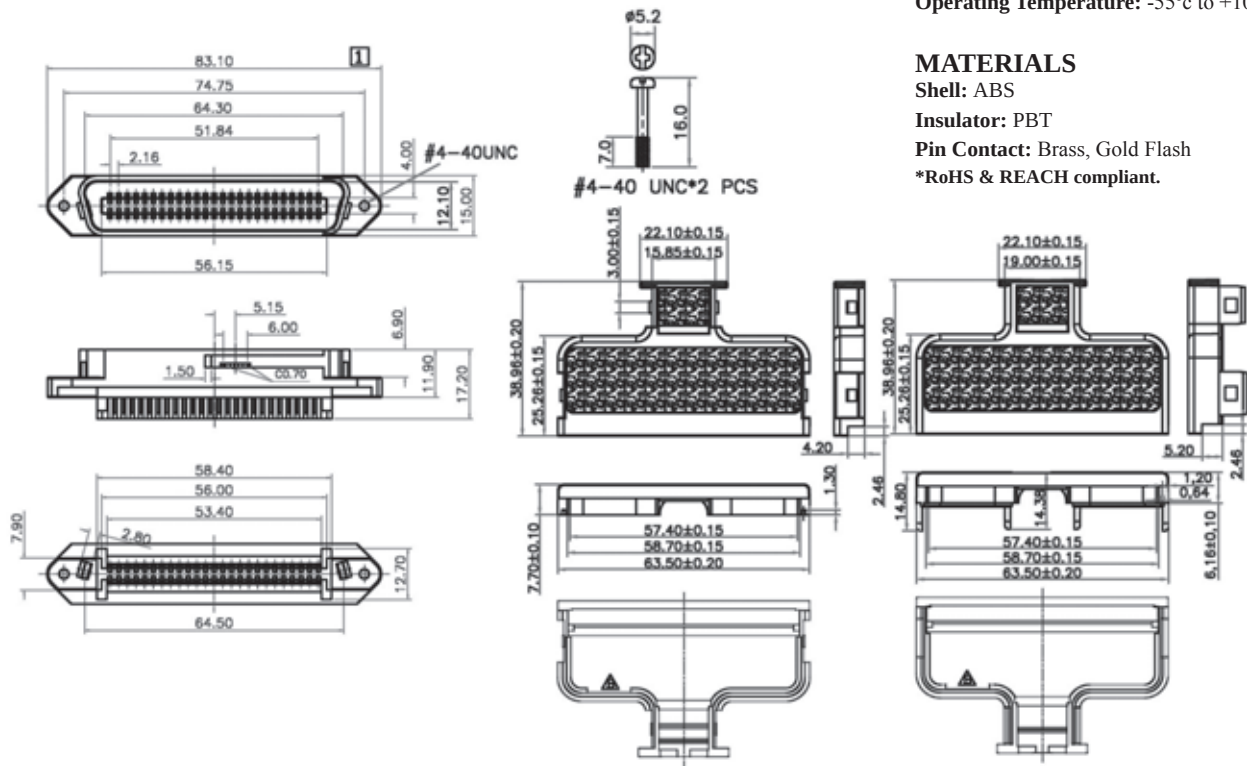
MATERIALS

Shell: ABS

Insulator: PBT

Pin Contact: Brass, Gold Flash

*RoHS & REACH compliant.

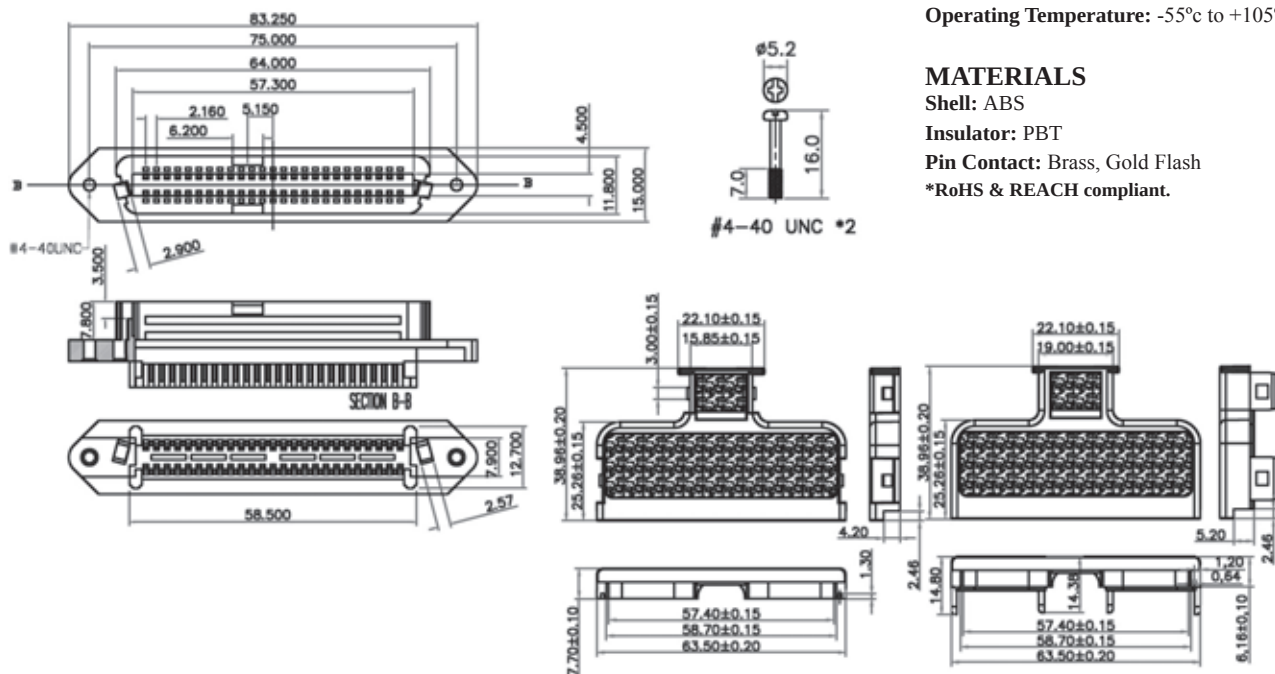


ORDERING INFORMATION:

P/N 57 15 - 50 A
1 2 3

1. CONNECTOR TYPE:
"15" MALE STRAIGHT TYPE
2. NO. OF CONTACTS:
50
3. INSULATOR COLOR:
"A" GRAY

57 SERIES CENTRONIC FEMALE CONNECTOR ALL PLASTIC SOLDER TYPE



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: ABS

Insulator: PBT

Pin Contact: Brass, Gold Flash

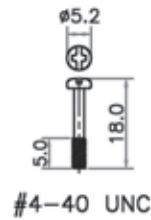
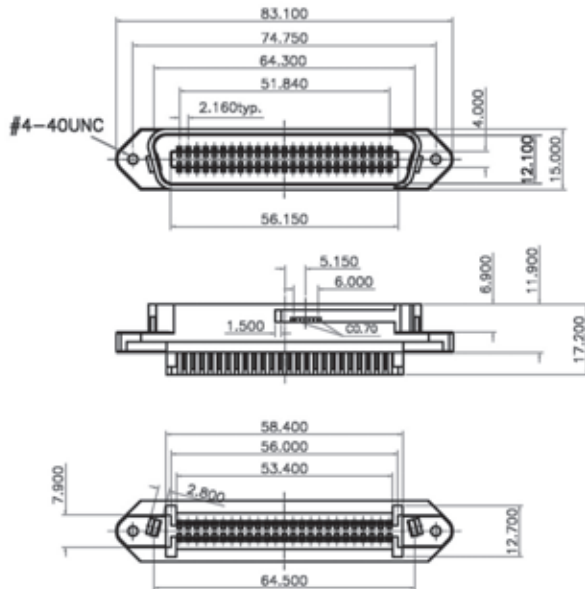
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 57 16 - 50 A
1 2 3

- CONNECTOR TYPE:
"16" FEMALE STRAIGHT TYPE
- NO. OF CONTACTS:
50
- INSULATOR COLOR:
"A" GRAY

57 SERIES CENTRONIC MALE CONNECTOR R/A ALL PLASTIC SOLDER TYPE



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

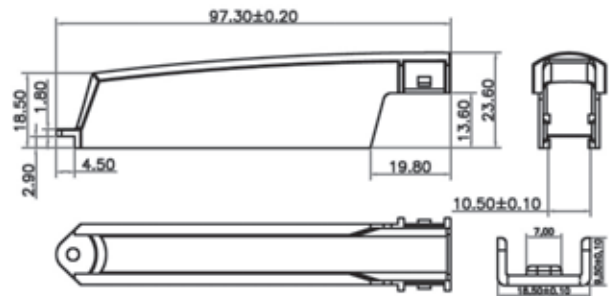
MATERIALS

Shell: ABS

Insulator: PBT

Pin Contact: Brass, Gold Flash

*RoHS & REACH compliant.

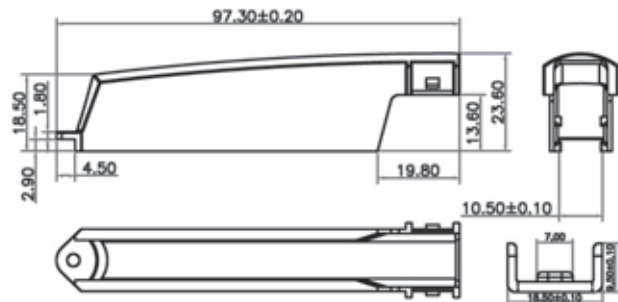
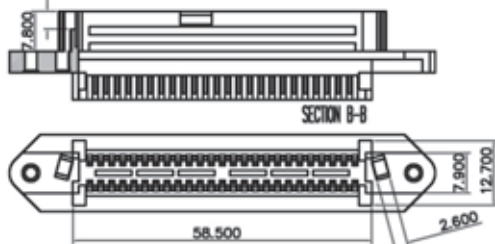
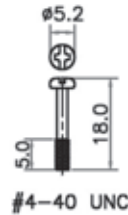
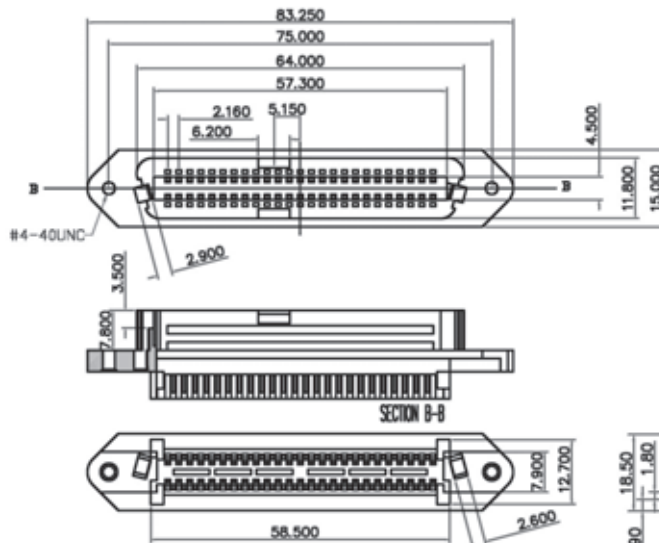


ORDERING INFORMATION:

P/N 57 27 - 50 A
1 2 3

1. CONNECTOR TYPE:
"27" MALE RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
50
3. INSULATOR COLOR:
"A" GRAY

57 SERIES CENTRONIC FEMALE CONNECTOR R/A ALL PLASTIC SOLDER TYPE



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: ABS

Insulator: PBT

Pin Contact: Brass, Gold Flash

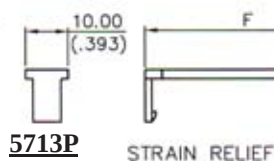
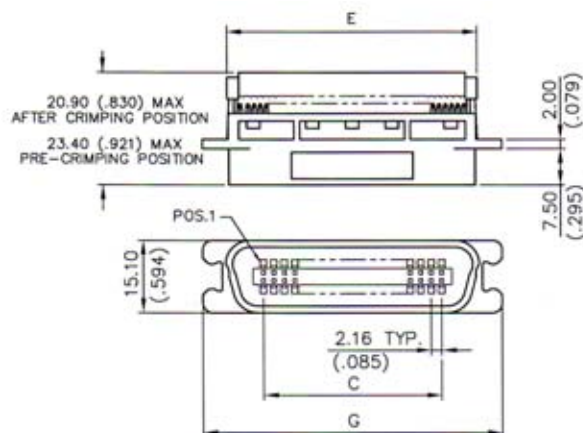
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 57 28 - 50 A
1 2 3

1. CONNECTOR TYPE:
"28" FEMALE RIGHT ANGLE TYPE
2. NO. OF CONTACTS:
50
3. INSULATOR COLOR:
"A" GRAY

57 SERIES CENTRONIC MALE CONNECTOR I.D.C. TYPE



5713P

STRAIN RELIEF

SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Voltage: 500V AC at 1 Minute

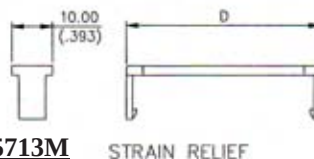
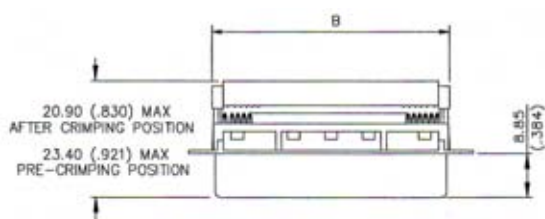
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: PBT, UL94V-0 Rated

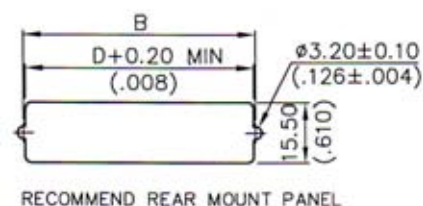
Contact: Brass

*RoHS & REACH compliant.

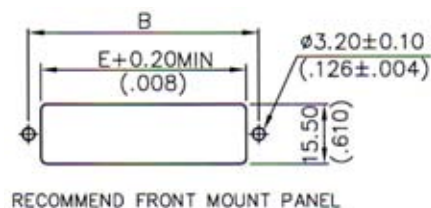


5713M

STRAIN RELIEF



RECOMMEND REAR MOUNT PANEL



RECOMMEND FRONT MOUNT PANEL

ORDERING INFORMATION:

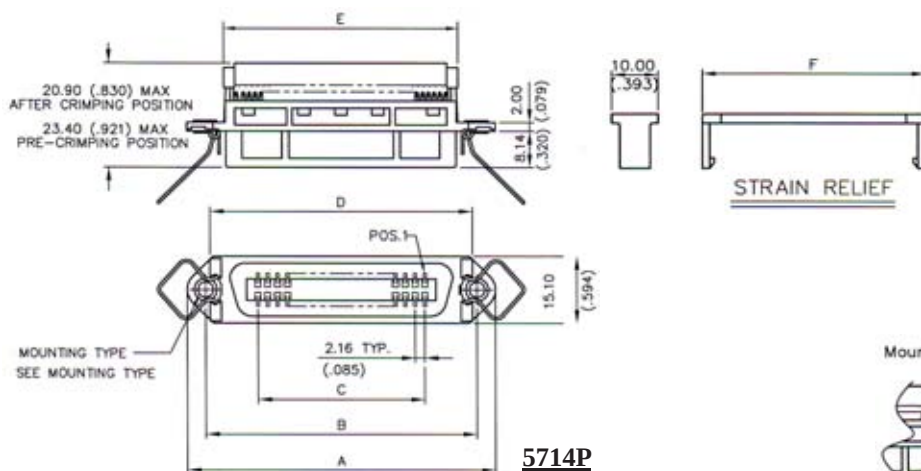
P/N 5 7 $\frac{13}{1}$ $\frac{x}{2}$ - $\frac{x}{3}$ $\frac{x}{4}$ $\frac{N}{5}$ x

1. CONNECTOR TYPE:
"13" MALE
2. HOUSING TYPE:
"P" ALL PLASTIC TYPE
"M" WITH FRONT METAL SHELL
3. NO. OF CONTACTS:
36, 50
4. MOUNTING TYPE:
"N" BAIL MOUNTING TYPE

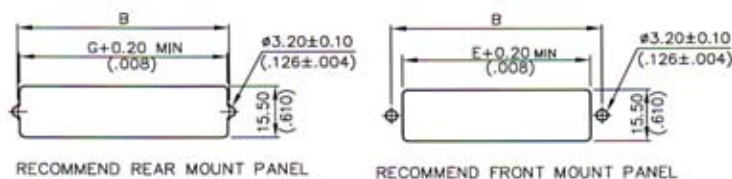
5. INSULATOR COLOR:
" " BLUE
"B" BLACK

NOTE: MALE IDC RIBBON CONNECTOR
ALWAYS WITHOUT MOUNTING
HOLES (BAIL MOUNTING TYPE)

57 SERIES CENTRONIC FEMALE CONNECTOR I.D.C. TYPE

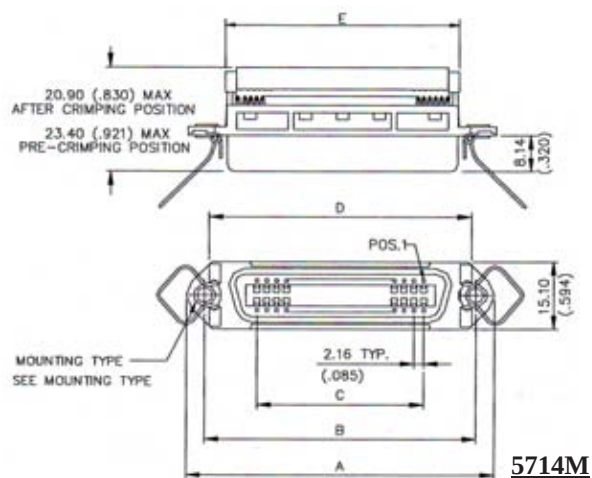


5714P



RECOMMEND REAR MOUNT PANEL

RECOMMEND FRONT MOUNT PANEL



5714M

SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Voltage: 500V AC at 1 Minute

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

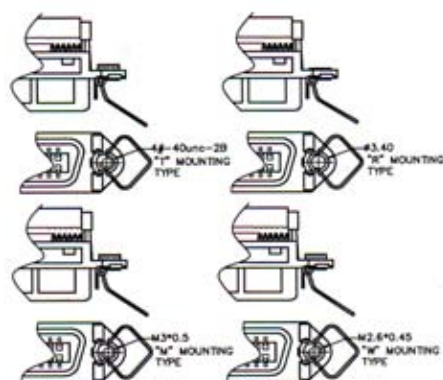
MATERIALS

Insulator: PBT, UL94V-0 Rated

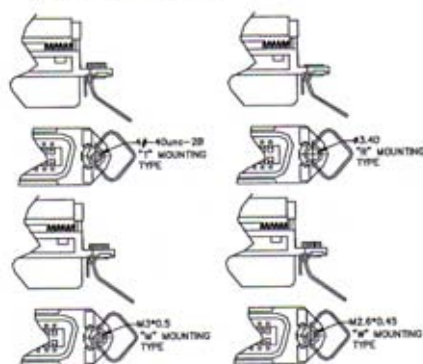
Contact: Brass

*RoHS & REACH compliant.

Mounting Types (Option) 5714P



Mounting Types (Option) 5714M



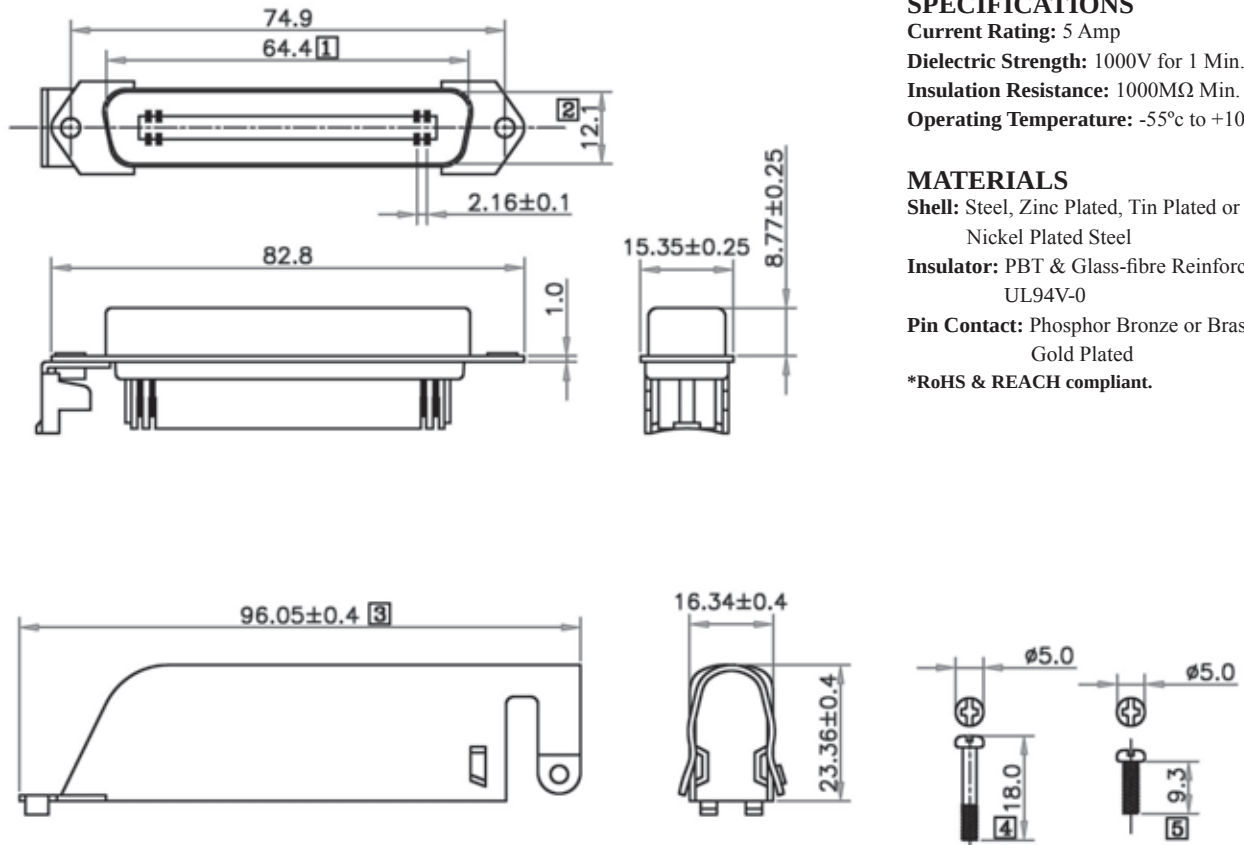
ORDERING INFORMATION:

P/N 57 $\frac{14}{1}$ $\frac{x}{2}$ - $\frac{x}{3}$ $\frac{x}{4}$ $\frac{x}{5}$

- CONNECTOR TYPE:
"14" FEMALE
- HOUSING TYPE:
"P" ALL PLASTIC TYPE
"M" WITH FRONT METAL SHELL
- NO. OF CONTACTS:
36, 50
- MOUNTING TYPE:
"R" WITH Ø3.40 RIVET THROUGH HOLES
"T" WITH #4-40UNC THREADED INSERT
"M" WITH M3*0.5 THREADED HOLES
"W" WITH M2.6*0.45 THREADED HOLES

- INSULATOR COLOR:
" " BLUE
"B" BLACK

57 SERIES CENTRONIC MALE CONNECTOR RIGHT ANGLE IDC ASSEMBLY TYPE WITH METAL COVER



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze or Brass, Gold Plated

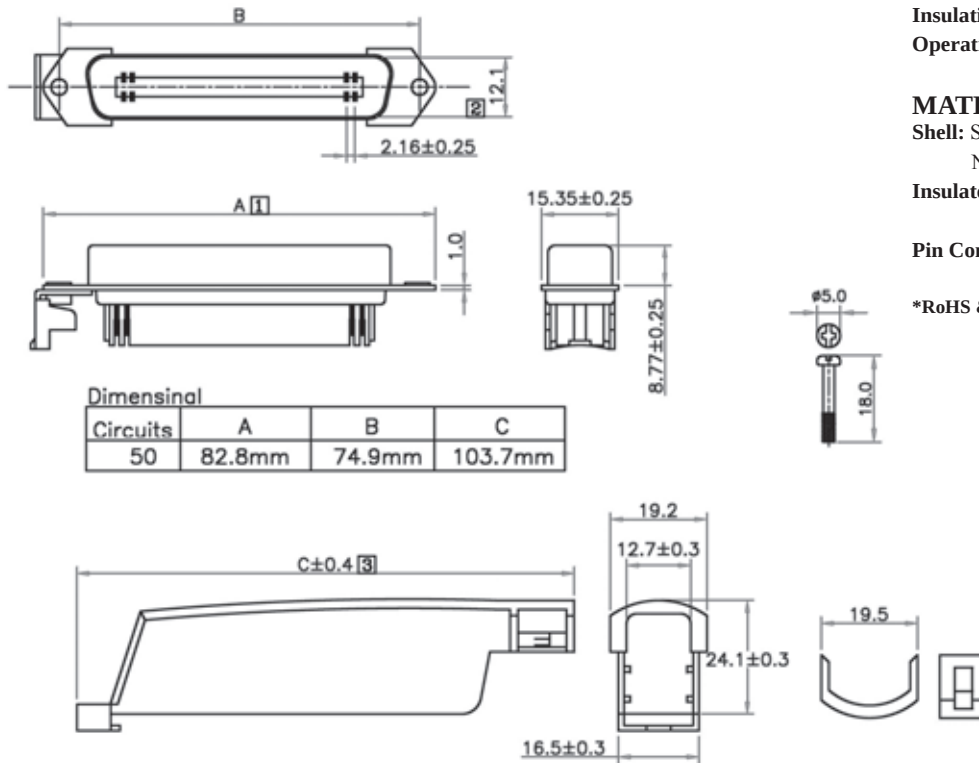
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 57 07 - 50 M
1 2 3

1. CONNECTOR TYPE:
"07" MALE R/A IDC TYPE
2. NO. OF CONTACTS:
50
3. COVER COLOR:
"M" R/A METAL COVER

57 SERIES CENTRONIC MALE CONNECTOR RIGHT ANGLE IDC ASSEMBLY TYPE WITH PLASTIC COVER



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze or Brass, Gold Plated

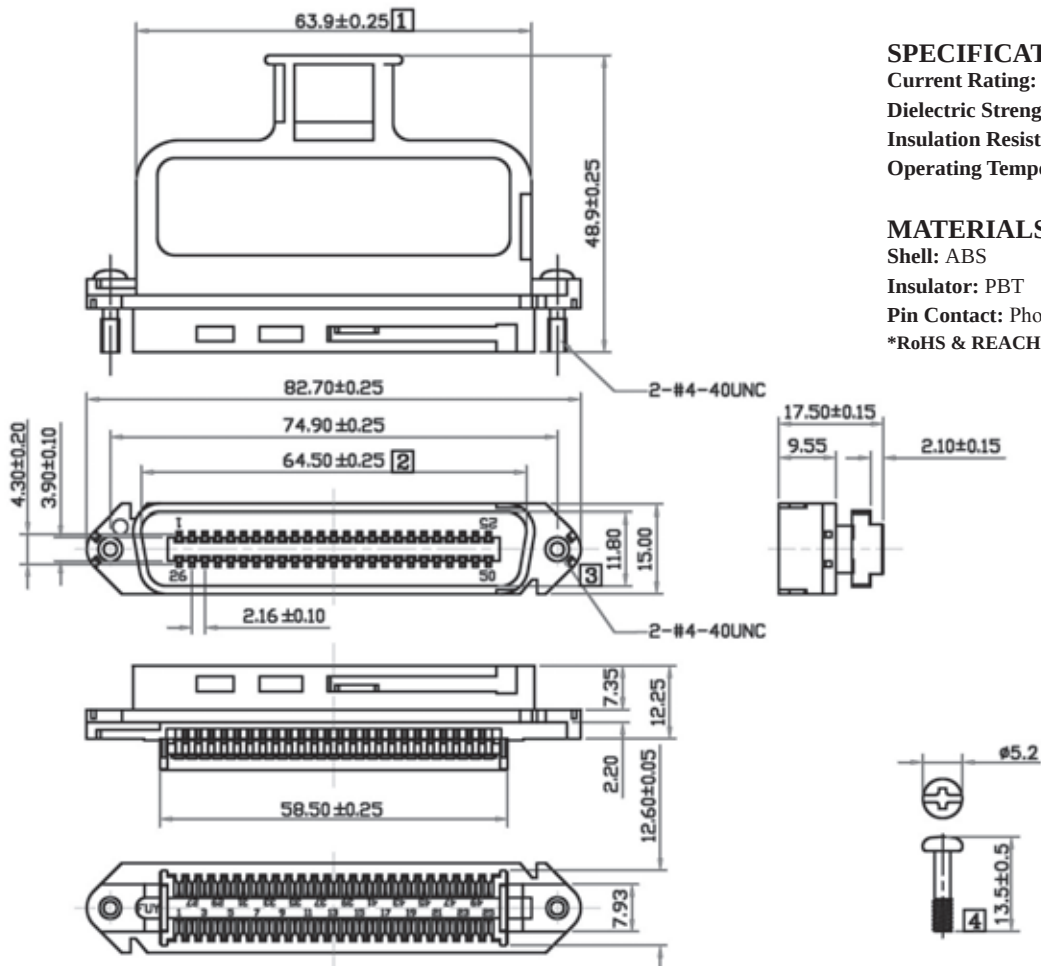
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 7 0 7 - 5 0 P
 1 2 3

1. CONNECTOR TYPE:
"07" MALE R/A IDC TYPE
2. NO. OF CONTACTS:
50
3. COVER COLOR:
"P" R/A PLASTIC COVER

57 SERIES CENTRONIC MALE CONNECTOR ALL PLASTIC IDC TYPE



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: ABS

Insulator: PBT

Pin Contact: Phosphor Bronze, Gold Flash

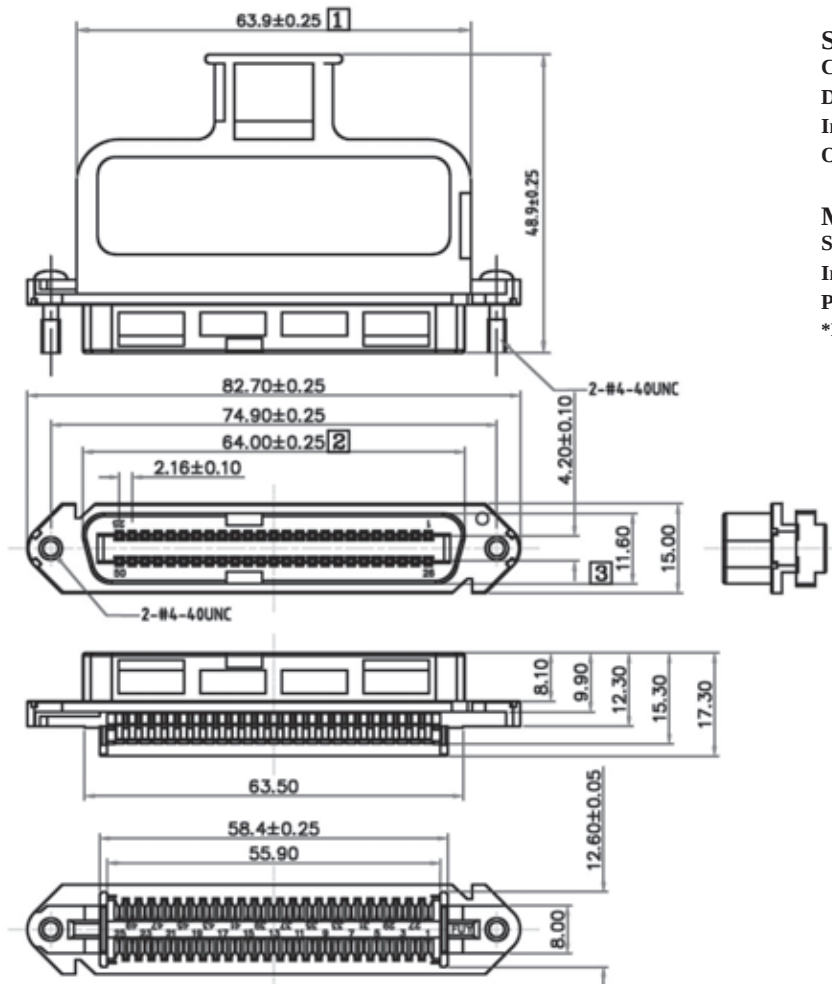
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 57 11 - 50 B
1 2 3

1. CONNECTOR TYPE:
"11" MALE ALL PLASTIC IDC TYPE
2. NO. OF CONTACTS:
50
3. INSULATOR COLOR:
"B" BLACK

57 SERIES CENTRONIC FEMALE CONNECTOR ALL PLASTIC IDC TYPE



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: ABS

Insulator: PBT

Pin Contact: Phosphor Bronze, Gold Flash

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 57 12 - 50 B
1 2 3

1. CONNECTOR TYPE:
"12" FEMALE ALL PLASTIC IDC TYPE
2. NO. OF CONTACTS:
50
3. INSULATOR COLOR:
"B" BLACK

57 SERIES CENTRONIC MALE CONNECTOR R/A ALL PLASTIC IDC TYPE

SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000M Ω Min.

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

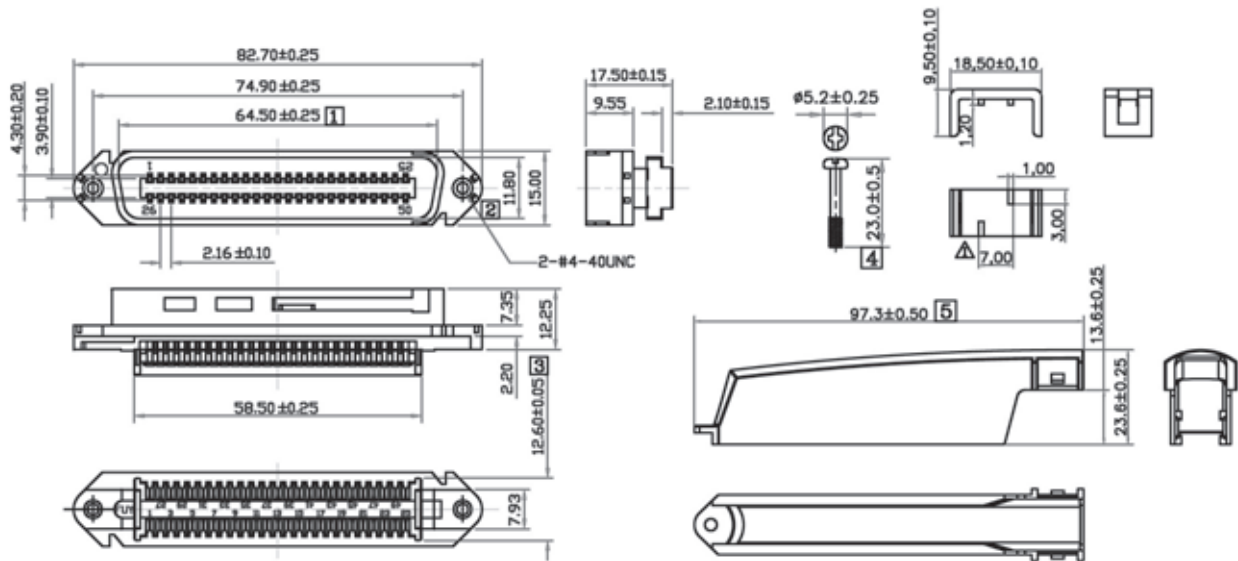
MATERIALS

Shell: ABS

Insulator: PBT, UL94V-0

Pin Contact: Phosphor Bronze, Gold Flash

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N 5 7 2 5 - 5 0 B
1 2 3

1. CONNECTOR TYPE:
"25" MALE R/A ALL PLASTIC IDC TYPE
2. NO. OF CONTACTS:
50
3. INSULATOR COLOR:
"B" BLACK

57 SERIES CENTRONIC FEMALE CONNECTOR R/A ALL PLASTIC IDC TYPE

SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

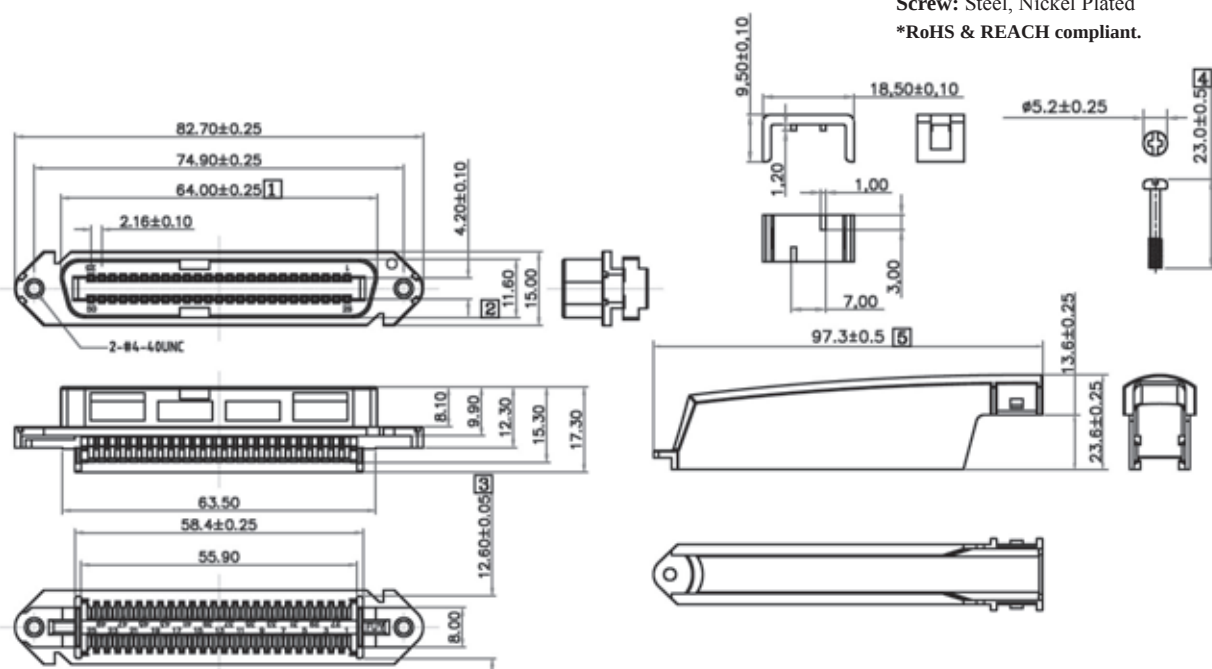
Shell: ABS

Insulator: PBT

Pin Contact: Phosphor Bronze, Gold Flash

Screw: Steel, Nickel Plated

***RoHS & REACH compliant.**

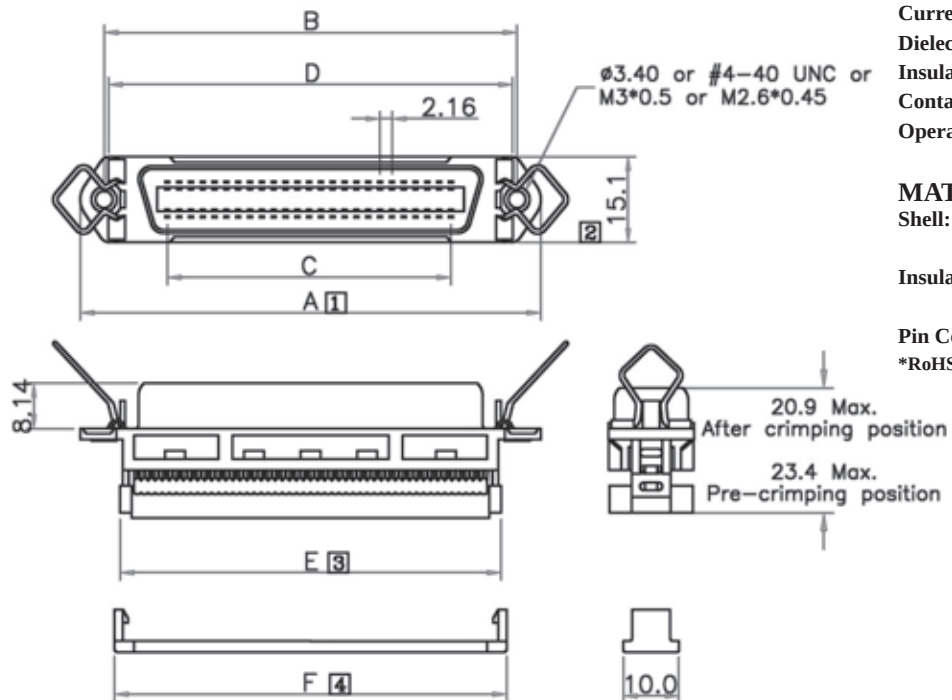


ORDERING INFORMATION:

P/N 57 26 - 50 B
1 2 3

1. CONNECTOR TYPE:
"26" FEMALE R/A ALL PLASTIC IDC TYPE
2. NO. OF CONTACTS:
50
3. INSULATOR COLOR:
"B" BLACK

57 SERIES CENTRONIC FEMALE CONNECTOR IDC TYPE WITH METAL SHELL FOR FLAT CABLE ASSEMBLY



A Position

	A±0.25	B±0.13	C±0.13	D±0.20	E±0.25	F±0.25	G±0.25
24	54.70	46.78	23.76	45.68	35.50	37.50	45.88
36	67.80	59.74	36.72	58.65	51.50	53.75	58.85
50	82.80	74.85	51.84	73.75	68.50	70.90	73.95

SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: AC 500V Min.

Insulation Resistance: 1000MΩ Min.

Contact Resistance: 25mΩ Max. Mated

Operating Temperature: -25°C to +85°C

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze or Brass

*RoHS & REACH compliant.

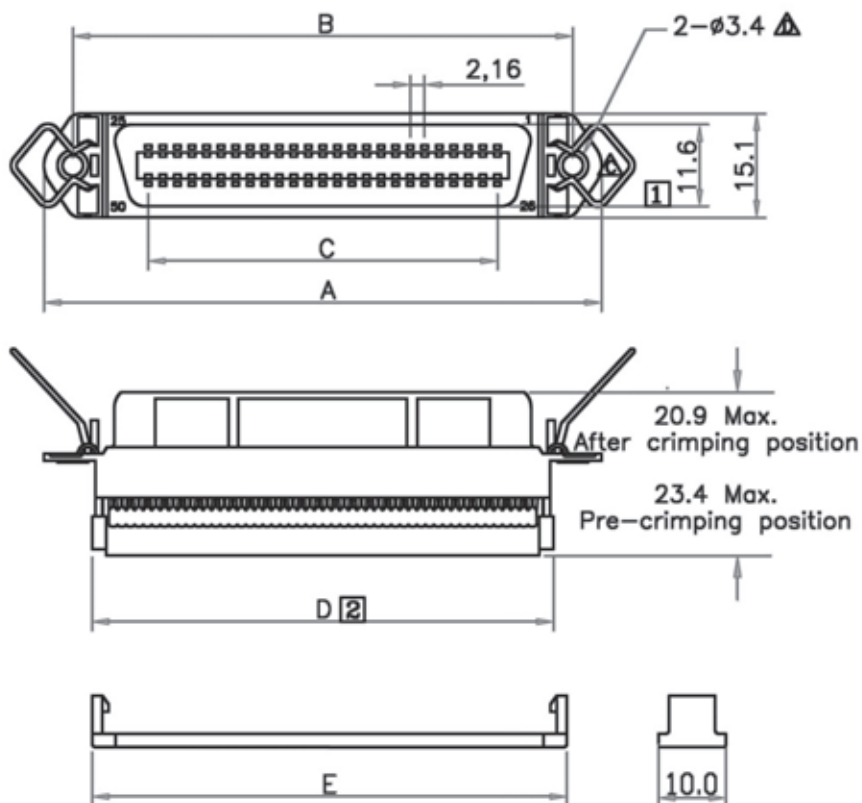
ORDERING INFORMATION:

P/N 5 7 3 0 - $\frac{x}{1} \frac{x}{2} \frac{M}{3} \frac{U}{3}$

1. NO. OF CONTACTS:
24, 36, 50
2. SHELL TYPE:
"M" METAL SHELL
3. INSULATOR COLOR:
"U" BLUE

57 SERIES CENTRONIC FEMALE CONNECTOR ALL PLASTIC IDC TYPE WITH SPRING LATCH & SR FOR FLAT CABLE ASSEMBLY

Position	A ± 0.25	B ± 0.13	C ± 0.13	D ± 0.25	E ± 0.25
24	54.70	46.78	23.76	35.50	37.50
36	67.80	59.74	36.72	51.50	53.75
50	82.80	74.85	51.84	68.50	70.90



SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: AC 1000V Min.

Insulation Resistance: 1000M Ω Min.

Contact Resistance: 25m Ω Max. Mated

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

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze or Brass

*RoHS & REACH compliant.

ORDERING INFORMATION:

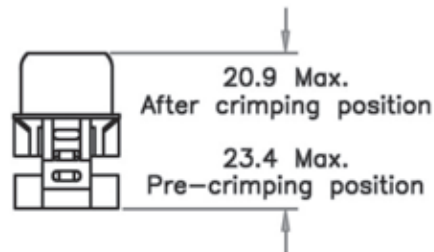
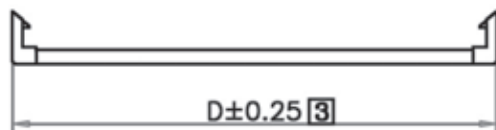
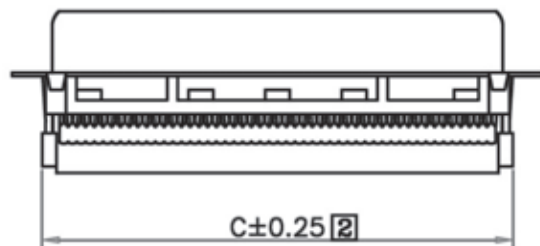
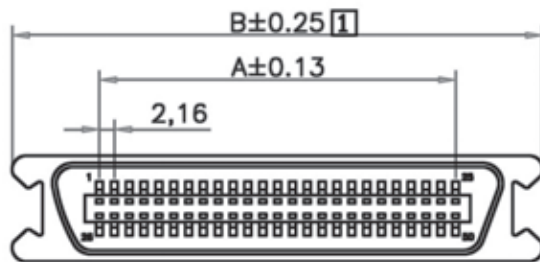
P/N 5 7 3 0 - $\frac{x}{1}$ $\frac{x}{2}$ $\frac{P}{3}$ U

1. NO. OF CONTACTS:
24, 36, 50
2. SHELL TYPE:
"P" ALL PLASTIC
3. INSULATOR COLOR:
"U" BLUE

57 SERIES CENTRONIC MALE CONNECTOR IDC TYPE WITH METAL SHELL FOR FLAT CABLE ASSEMBLY

Position

	A	B	C	D
24	23.76	49.3	35.5	37.50
36	36.72	62.0	51.5	53.75
50	51.84	77.4	68.5	70.90



SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: AC 1000V Min.

Insulation Resistance: 1000MΩ Min.

Contact Resistance: 25mΩ Max. Mated

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

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze or Brass

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 7 2 9 - $\frac{x}{1}$ $\frac{x}{2}$ $\frac{M}{3}$ $\frac{U}{3}$

1. NO. OF CONTACTS:

24, 36, 50

2. SHELL TYPE:

"M" METAL SHELL

3. INSULATOR COLOR:

"U" BLUE

57 SERIES CENTRONIC MALE CONNECTOR ALL PLASTIC IDC TYPE WITH SPRING LATCH & SR FOR FLAT CABLE ASSEMBLY

Position

	A ± 0.15	B ± 0.30	C ± 0.30	D ± 0.30
24	23.76	48.60	35.50	37.50
36	36.72	61.60	51.50	53.75
50	51.84	76.70	68.50	70.90

SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: AC 1000V Min.

Insulation Resistance: 1000M Ω Min.

Contact Resistance: 25m Ω Max. Mated

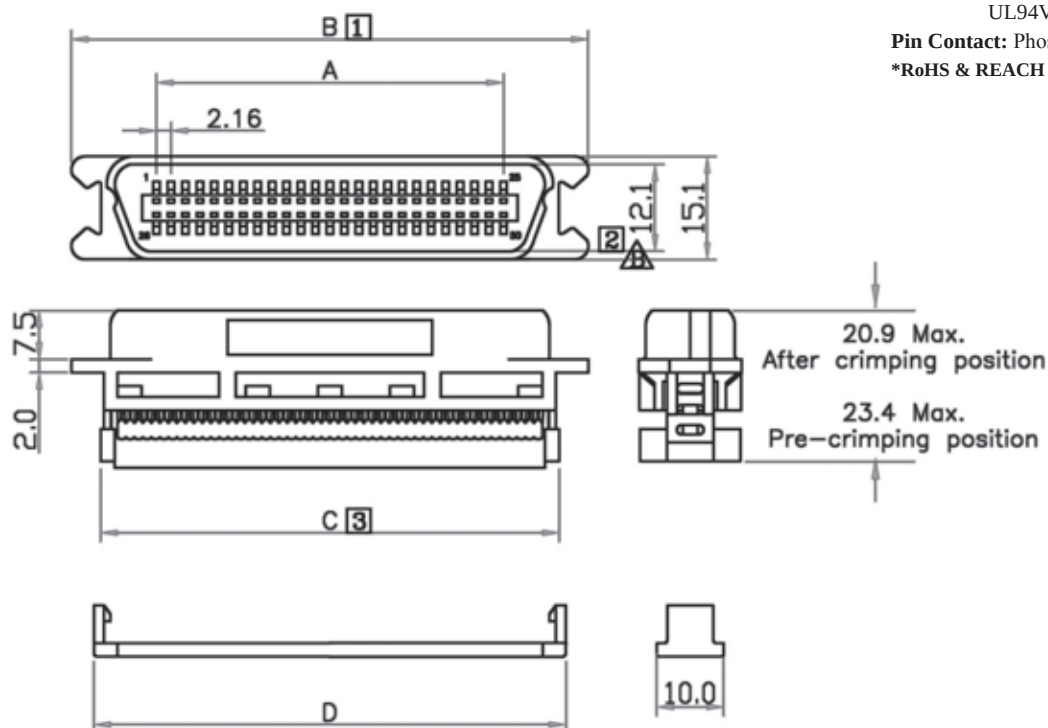
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: PBT & Glass-fibre Reinforced,
UL94V-0

Pin Contact: Phosphor Bronze or Brass

*RoHS & REACH compliant.

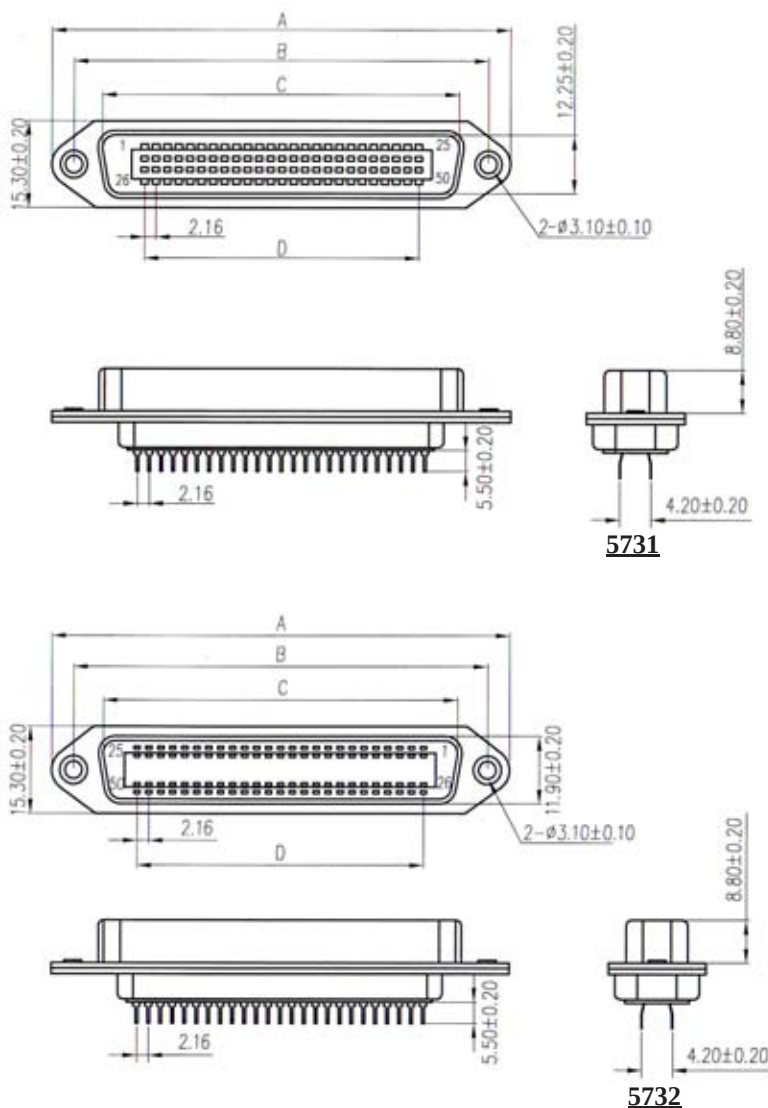


ORDERING INFORMATION:

P/N 5 7 2 9 - $\frac{x}{1}$ $\frac{x}{2}$ $\frac{P}{3}$ U

1. NO. OF CONTACTS:
24, 36, 50
2. SHELL TYPE:
"P" ALL PLASTIC
3. INSULATOR COLOR:
"U" BLUE

57 SERIES CENTRONIC CONNECTOR STRAIGHT PCB MOUNT TYPE



SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Voltage: 500V AC at 1 Minute

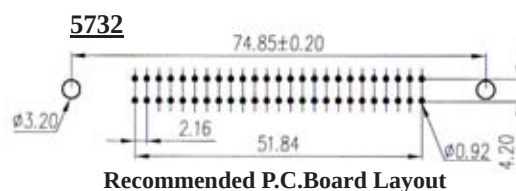
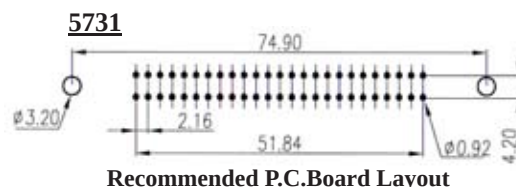
Operating Temperature: -55°C to +105°C

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze

***RoHS & REACH compliant.**



5731

No. of Contacts	Dimensions(mm)			
	A±0.20	B±0.20	C±0.20	D±0.20
14	43.90	36.00	25.50	12.96
24	54.70	46.80	36.30	23.76
36	67.70	59.70	49.30	36.72
50	82.80	74.90	64.40	51.48

5732

No. of Contacts	Dimensions(mm)			
	A±0.20	B±0.20	C±0.20	D±0.20
14	43.90	35.99	25.20	12.96
24	54.71	46.79	36.00	23.76
36	67.69	59.74	48.90	36.72
50	82.78	74.85	64.00	51.84

ORDERING INFORMATION:

P/N 57 $\frac{xx}{1}$ - $\frac{xx}{2}$

1. CONNECTOR TYPE:

"31" MALE WITHOUT LATCHES

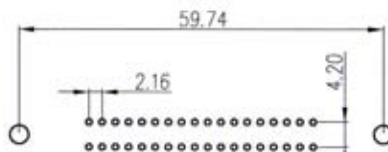
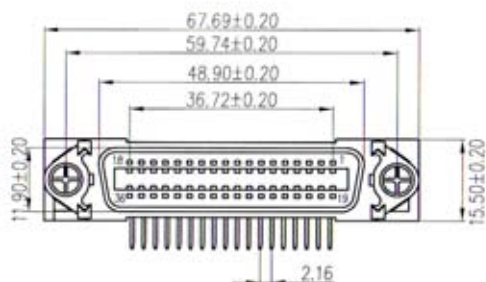
"32" FEMALE WITHOUT LATCHES

"34" FEMALE WITH 2 LATCHES

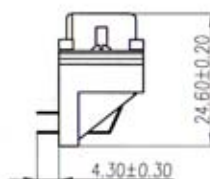
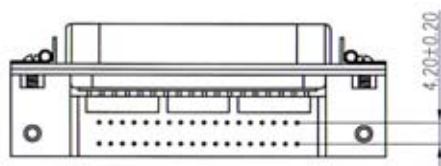
2. NO. OF CONTACTS:

14, 24, 36, 50

57 SERIES CENTRONIC FEMALE CONNECTORS RIGHT ANGLE PCB MOUNT TYPE



Recommended P.C.Board Layout



5742-36

SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 30mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Voltage: 500V AC at 1 Minute

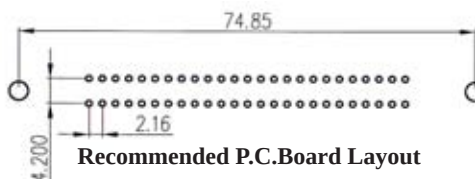
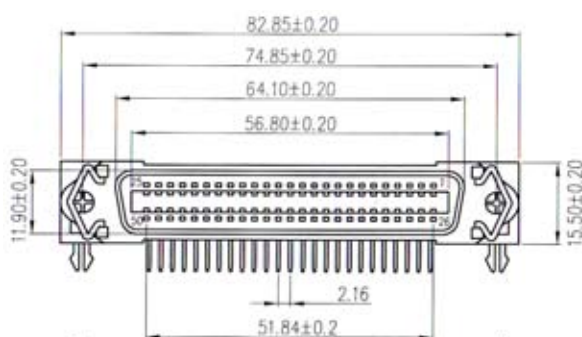
Operating Temperature: -55°C to +105°C

MATERIALS

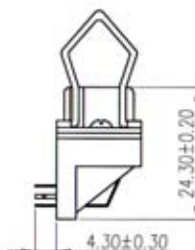
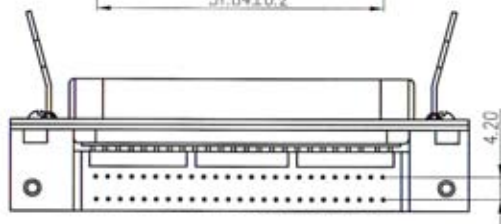
Insulator: PBT, UL94V-0 Rated

Contact: Brass

*RoHS & REACH compliant.



Recommended P.C.Board Layout



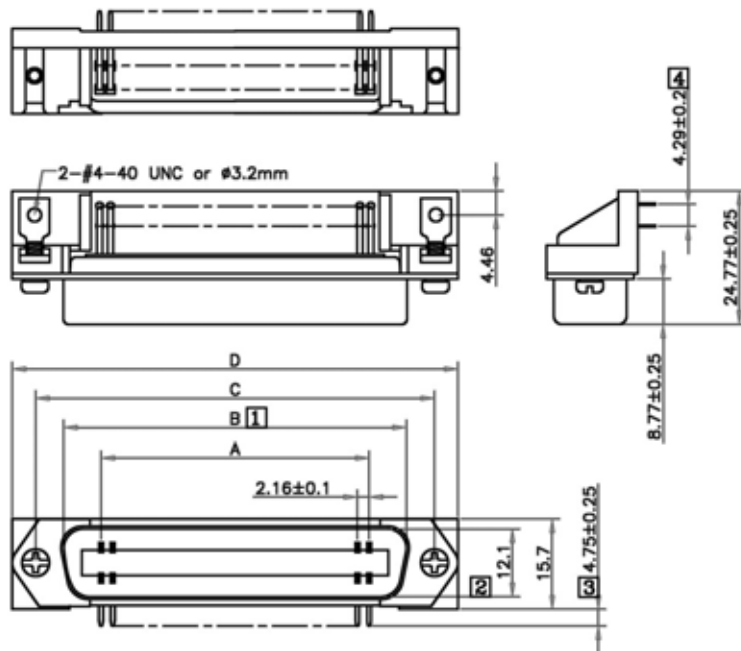
5744-50

ORDERING INFORMATION:

P/N 57 $\frac{xx}{1}$ - $\frac{xx}{2}$

1. CONNECTOR TYPE:
"42" FEMALE WITHOUT LATCHES
"44" FEMALE WITH 2 LATCHES
2. NO. OF CONTACTS:
36, 50

57 SERIES CENTRONIC MALE CONNECTOR RIGHT ANGLE DIP TYPE



Positions	A	B	C	D
14	12.96	25.6	36.0	43.9
24	23.76	36.3	46.8	54.7
36	36.72	49.3	59.6	67.7
50	51.84	64.4	74.9	82.8

SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

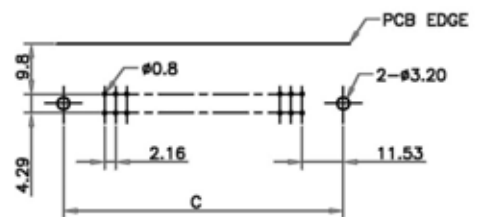
MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 7 1 9 - $\frac{x x x x}{1 \quad 2}$

1. NO. OF CONTACTS:

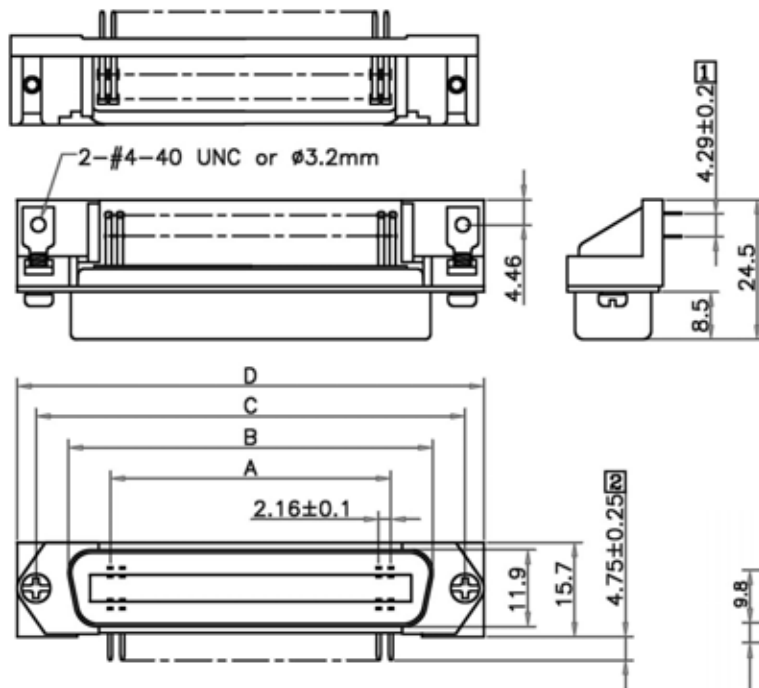
14, 24, 36, 50

2. MOUNTING TYPE:

"00" Ø3.2MM NON-THREADED HOLES

"U4" UNC4-40 THREADED HOLES

57 SERIES CENTRONIC FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Positions	A	B	C	D
14	12.96	25.2	36.0	43.9
24	23.76	36.0	46.8	54.7
36	36.72	48.9	59.7	67.7
50	51.84	64.1	74.9	82.8

SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

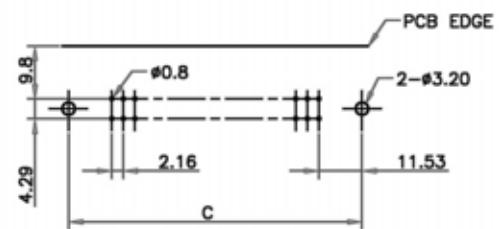
MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze

*RoHS & REACH compliant.



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 7 2 0 - $\frac{x x x x}{1 \quad 2}$

1. NO. OF CONTACTS:

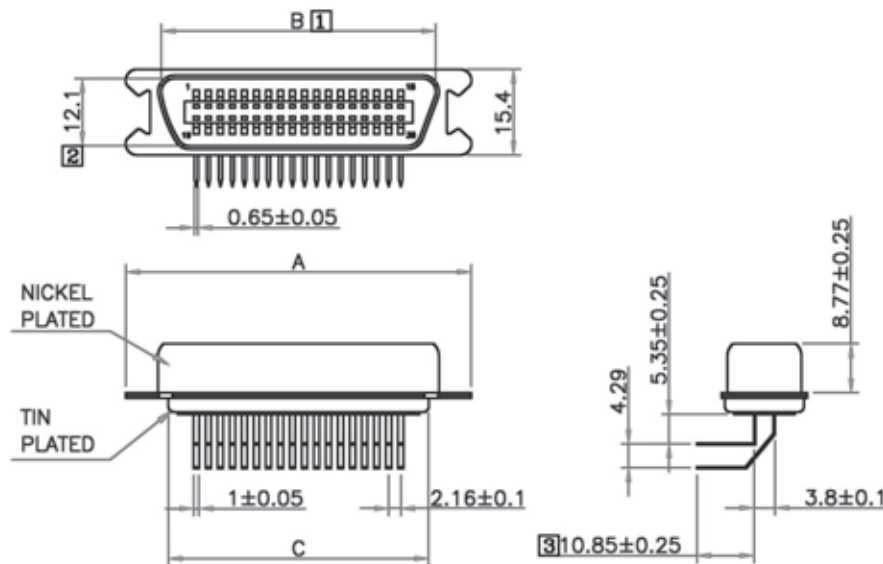
14, 24, 36, 50

2. MOUNTING TYPE:

"00" Ø3.2MM NON-THREADED HOLES

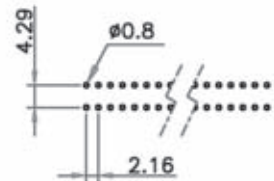
"U4" UNC4-40 THREADED HOLES

57 SERIES CENTRONIC MALE CONNECTOR RIGHT ANGLE DIP TYPE



Position

	A	B	C
36	62.1	49.3	46.8
50	77.2	64.4	62.0



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 5 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

Contact Resistance: 25mΩ Max. Mated

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

MATERIALS

Shell: Steel, Tin Plated & Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze

*RoHS & REACH compliant.

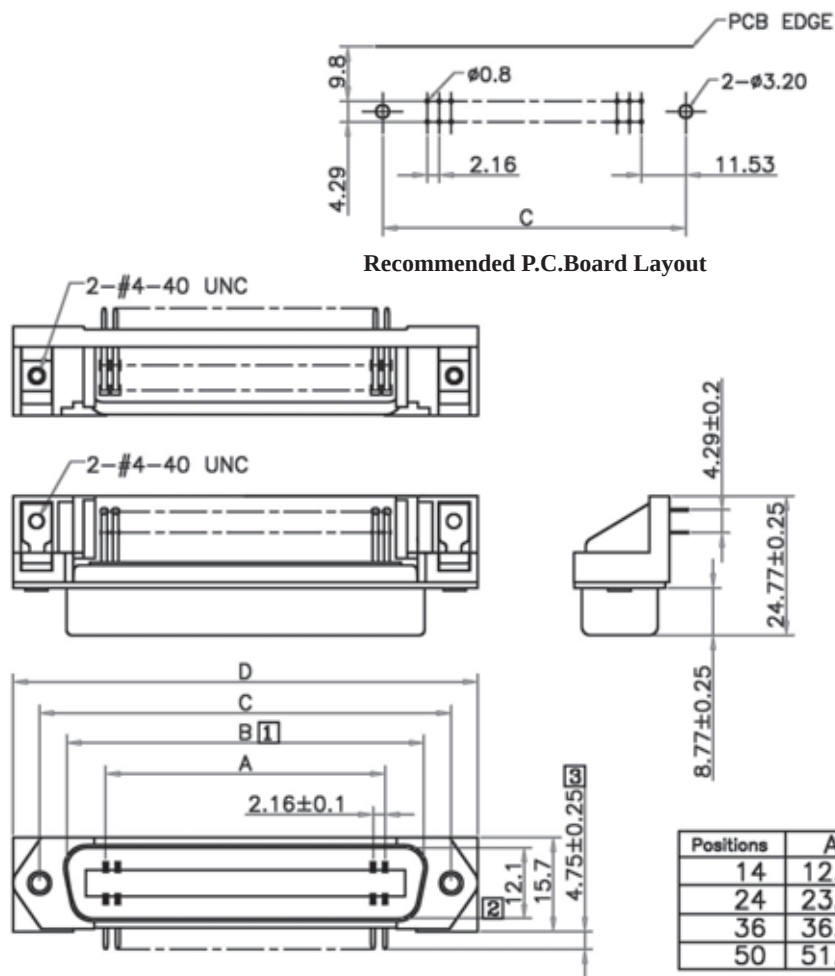
ORDERING INFORMATION:

P/N 5 7 4 3 - x x
1

1. NO. OF CONTACTS:

36, 50

57 SERIES CENTRONIC MALE CONNECTOR RIGHT ANGLE TYPE WITH RIVETED L SHAPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 7 4 7 - $\frac{xx}{1} \frac{xx}{2}$

1. NO. OF CONTACTS:

14, 24, 36, 50

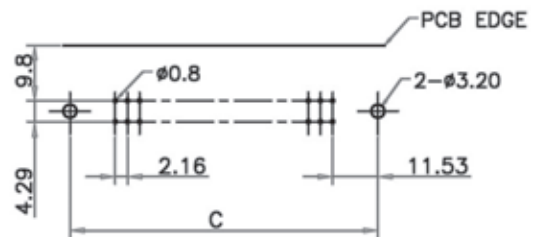
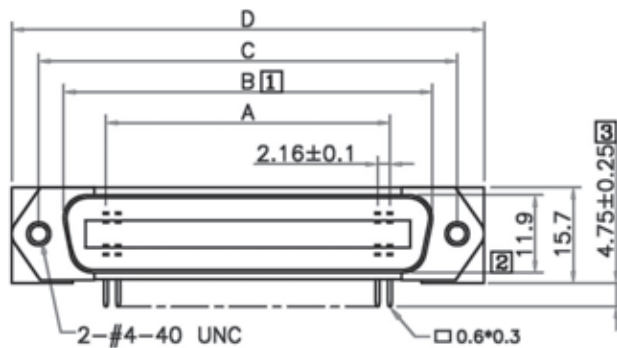
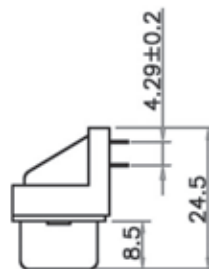
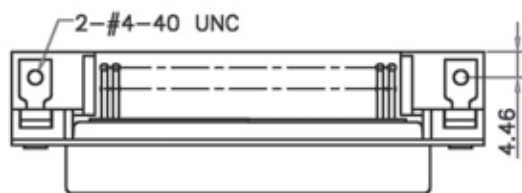
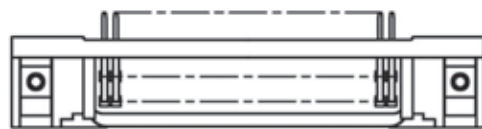
2. MOUNTING TYPE:

"U4" WITH #4-40UNC THREADED HOLES

"M3" WITH M3 THREADED HOLES

57 SERIES CENTRONIC FEMALE CONNECTOR RIGHT ANGLE TYPE WITH RIVETED L SHAPE

Positions	A	B	C	D
14	12.96	25.2	36.0	43.9
24	23.76	36.0	46.8	54.7
36	36.72	48.9	59.7	67.7
50	51.84	64.1	74.9	82.8



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 7 4 8 - $\frac{x x x x}{1 \quad 2}$

1. NO. OF CONTACTS:

14, 24, 36, 50

2. MOUNTING TYPE:

"U4" WITH #4-40UNC THREADED HOLES

"M3" WITH M3 THREADED HOLES

57 SERIES CENTRONIC MALE CONNECTOR RIGHT ANGLE TYPE WITH RIVETED L SHAPE & HEX SCREWS

Positions	A	B	C	D
14	12.96	25.6	36.0	43.9
24	23.76	36.3	46.8	54.7
36	36.72	49.3	59.6	67.7
50	51.84	64.4	74.9	82.8

SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

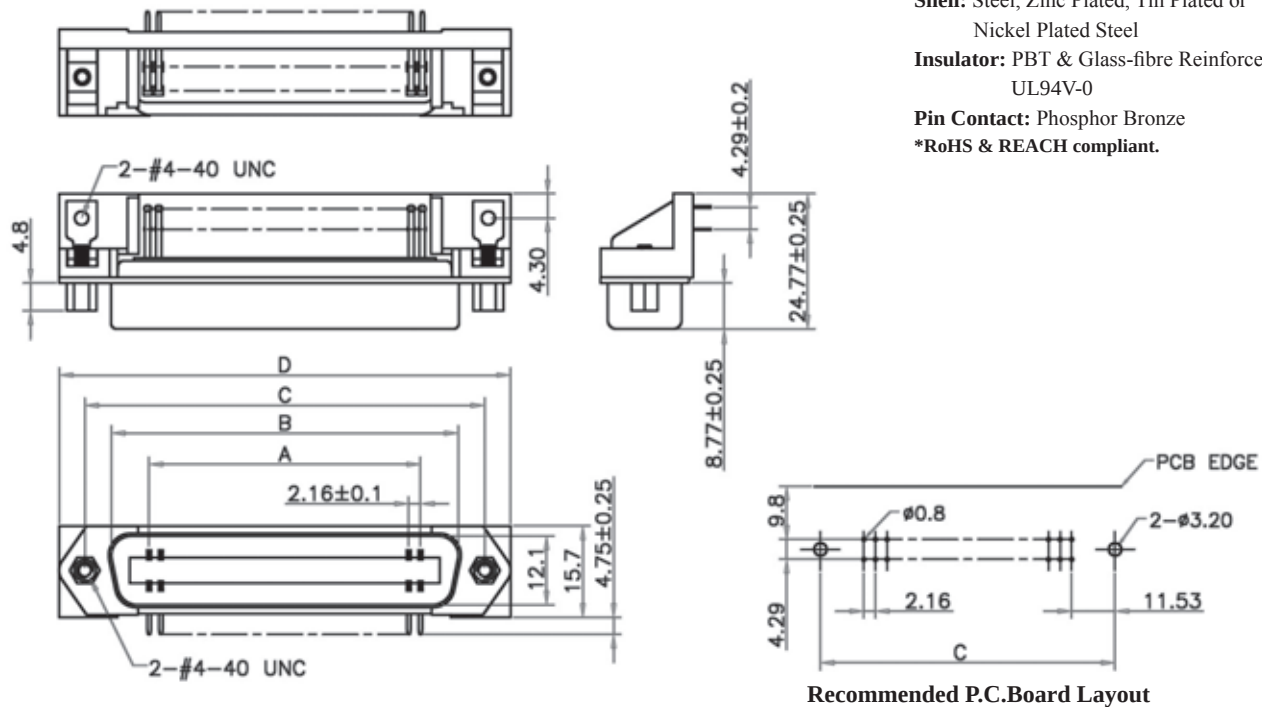
MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or
Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced,
UL94V-0

Pin Contact: Phosphor Bronze

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N 5 7 4 9 - $\frac{x x x x}{1 \quad 2}$

1. NO. OF CONTACTS:

14, 24, 36, 50

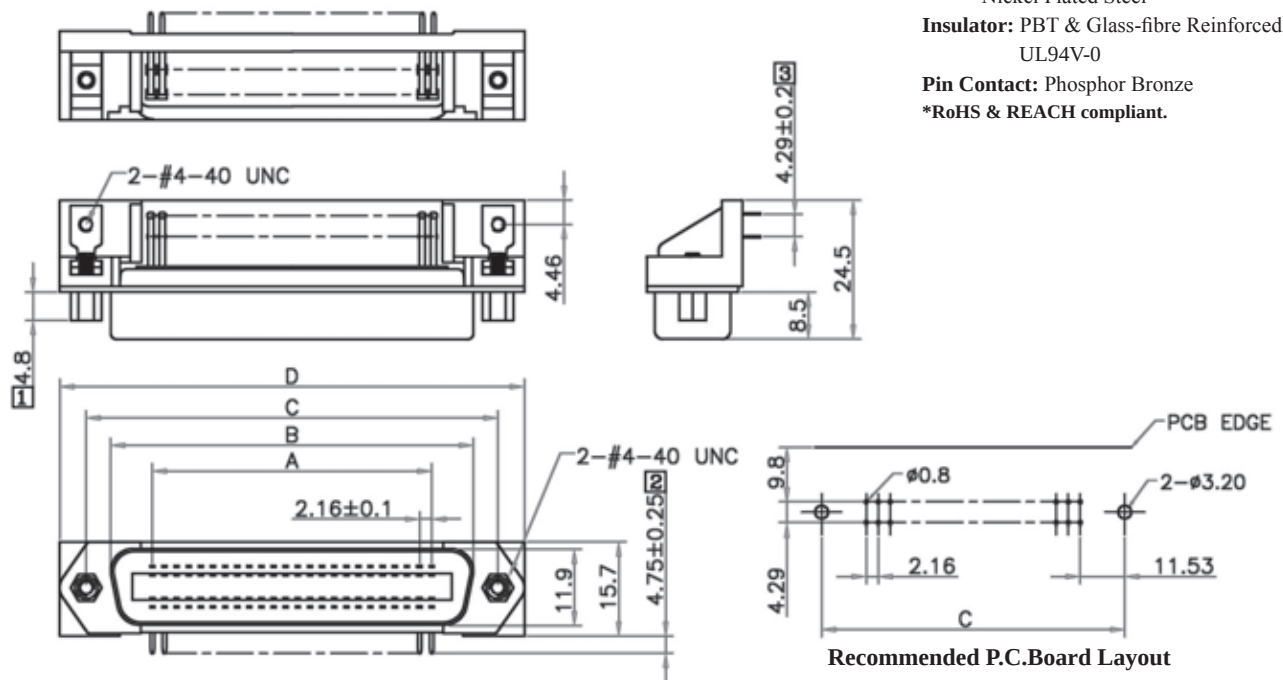
2. MOUNTING TYPE:

"U4" WITH #4-40UNC THREADED HOLES

"M3" WITH M3 THREADED HOLES

57 SERIES CENTRONIC FEMALE CONNECTOR RIGHT ANGLE TYPE WITH RIVETED L SHAPE & HEX SCREWS

Positions	A	B	C	D
14	12.96	25.2	36.0	43.9
24	23.76	36.0	46.8	54.7
36	36.72	48.9	59.7	67.7
50	51.84	64.1	74.9	82.8



SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 1000V for 1 Min.

Insulation Resistance: 1000MΩ Min.

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

MATERIALS

Shell: Steel, Zinc Plated, Tin Plated or Nickel Plated Steel

Insulator: PBT & Glass-fibre Reinforced, UL94V-0

Pin Contact: Phosphor Bronze

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 7 5 0 - $\frac{x x x x}{1 \quad 2}$

1. NO. OF CONTACTS:

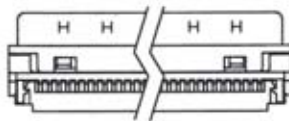
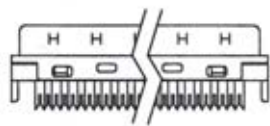
14, 24, 36, 50

2. MOUNTING TYPE:

"U4" WITH #4-40UNC THREADED HOLES

"M3" WITH M3 THREADED HOLES

HALF PITCH (1.27MM) MINI RIBBON IDC TYPE CABLE MALE CONNECTOR WITHOUT HOOD

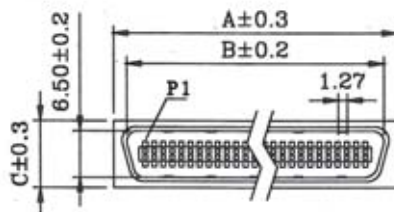


Wire Holder

M Type (W/O Hood)
(50,68 Pos)



M Type (W/O Hood)
(14,20,26,36,40,100 Pos)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Cover & Holder: Plastic Thermoplastic UL94V-0, Black

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D
14	16.45	12.80	8.60	13.20
20	20.00	16.60	9.30	13.20
26	24.00	20.40	9.30	13.20
36	30.40	26.70	8.60	13.20
40	32.95	29.25	9.30	13.20
50	39.30	35.60	9.30	13.80
68	50.80	46.95	9.30	13.20
100	71.05	67.29	9.30	13.50

ORDERING INFORMATION:

P/N 5 7 M C - $\frac{x}{1} \frac{x}{2} \frac{M}{3} \frac{x}{4}$

1. NO. OF CONTACTS:

14, 20, 26, 36, 40, 50, 68, 100

2. MANUFACTURED TYPE:

"M" MOLDED TYPE (W/O HOOD)

3. WIRE HOLDER (AWG28 & AWG30):

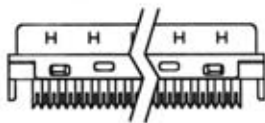
"6" 0.62MM

"7" 0.75MM

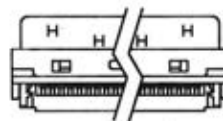
"8" 0.80MM

"9" 0.90MM

HALF PITCH (1.27MM) MINI RIBBON IDC TYPE CABLE MALE CONNECTOR KIT WITH HOOD



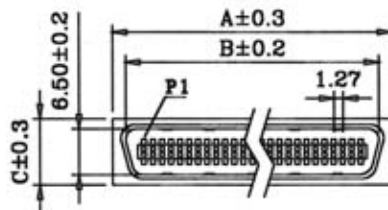
A Type (With Hood)
(50,68 Pos)



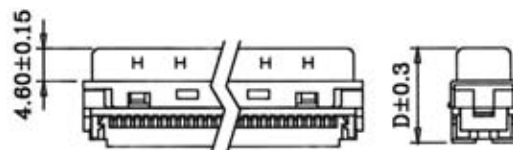
A Type (With Hood)
(14,20,26,36,40,100 Pos)



Termination Plate Cover



Wire Holder



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Cover & Holder: Plastic Thermoplastic UL94V-0, P.B.T. UL94V-0, Black

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D
14	16.45	12.80	8.60	13.20
20	20.00	16.60	9.30	13.20
26	24.00	20.40	9.30	13.20
36	30.40	26.70	8.60	13.20
40	32.95	29.25	9.30	13.20
50	39.30	35.60	9.30	13.80
68	50.80	46.95	9.30	13.20
100	71.05	67.29	9.30	13.50

ORDERING INFORMATION:

P/N 5 7 M C - $\frac{x}{1} \frac{x}{2} \frac{A}{3} \frac{x}{4} \frac{x}{5} \frac{x}{6}$

1. NO. OF CONTACTS:

14, 20, 26, 36, 40, 50, 68, 100

2. WIRE HOLDER (AWG28 & AWG30):

"6" 0.62MM

"7" 0.75MM

"8" 0.80MM

"9" 0.90MM

3. HOOD TYPE:

PLASTIC HOOD: PHL, PHLS, PHS

METAL HOOD: MHL, MHR, MHS, MHEL, MHES
(SEE PAGE C0491~C0499)

4. ENTRY HOLE SIZE OF HOOD:

0, 4A, 6, 6A, 7, 7A, 8, 8A, 9,
10A, 11, 12, 14, 14A, 15A, Y
(SEE PAGE C0491~C0499)

5. HOOD COLOR OR FINISH:

"V" BEIGE (PLASTIC HOOD)

"B" BLACK (PLASTIC HOOD)

"N" NICKEL PLATED (METAL HOOD)

"G" GOLD PLATED (METAL HOOD)

6. THREADED FINISH:

(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

HALF PITCH (1.27MM) MINI RIBBON SOLDER TYPE CABLE MALE CONNECTOR WITHOUT HOOD

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

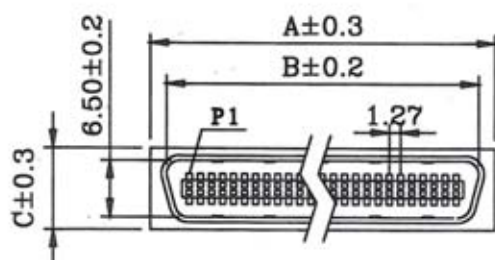
MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

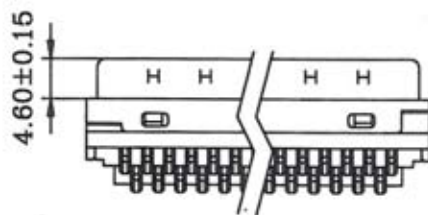
Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

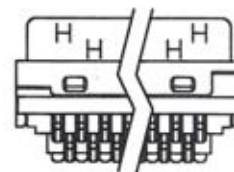
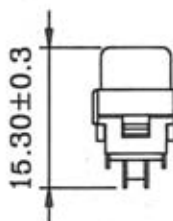
***RoHS & REACH compliant.**



No. of Contacts	A	B	C
14	16.45	12.80	8.60
20	20.20	16.60	9.30
26	24.00	20.40	9.30
36	30.40	26.70	8.60
40	33.00	29.25	9.30
50	39.30	35.60	9.30
68	50.80	46.95	9.30
100	71.05	67.29	9.30



M Type (W/O Hood)
(36,50,68 Pos)



M Type (W/O Hood)
(14,20,26,40,100 Pos)

ORDERING INFORMATION:

P/N 5 7 M S - $\frac{x}{1} \frac{x}{2} \frac{M}{2}$

1. NO. OF CONTACTS:

14, 20, 26, 36, 40, 50, 68, 100

2. MANUFACTURED TYPE:

"M" MOLDED TYPE (W/O HOOD)

HALF PITCH (1.27MM) MINI RIBBON SOLDER TYPE CABLE MALE CONNECTOR KIT WITH HOOD

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

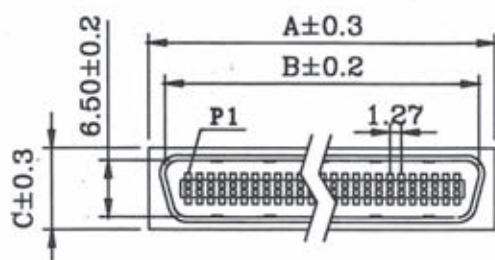
MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

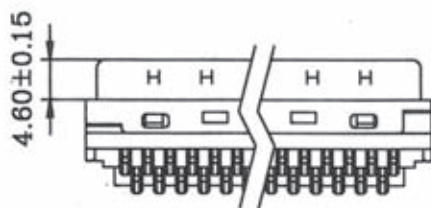
Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

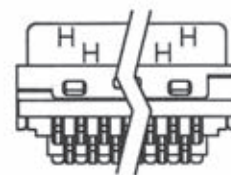
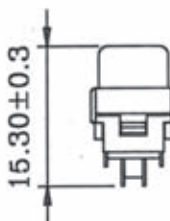
***RoHS & REACH compliant.**



No. of Contacts	A	B	C
14	16.45	12.80	8.60
20	20.20	16.60	9.30
26	24.00	20.40	9.30
36	30.40	26.70	8.60
40	33.00	29.25	9.30
50	39.30	35.60	9.30
68	50.80	46.95	9.30
100	71.05	67.29	9.30



A Type (With Hood)
(36,50,68 Pos)



A Type (With Hood)
(14,20,26,40,100 Pos)

ORDERING INFORMATION:

P/N 57MS - $\frac{xx}{1}A \frac{xxxx}{2} \frac{xxx}{3} \frac{xx}{4} \frac{x}{5}$

1. NO. OF CONTACTS:

14, 20, 26, 36, 40, 50, 68, 100

2. HOOD TYPE:

PLASTIC HOOD: PHL, PHLS, PHS

METAL HOOD: MHL, MHR, MHS, MHEL, MHES
(SEE PAGE C0491~C0499)

3. ENTRY HOLE SIZE OF HOOD:

0, 4A, 6, 6A, 7, 7A, 8, 8A, 9,
10A, 11, 12, 14, 14A, 15A, Y
(SEE PAGE C0491~C0499)

4. HOOD COLOR OR FINISH:

"V" BEIGE (PLASTIC HOOD)

"B" BLACK (PLASTIC HOOD)

"N" NICKEL PLATED (METAL HOOD)

"G" GOLD PLATED (METAL HOOD)

5. THREADED FINISH:

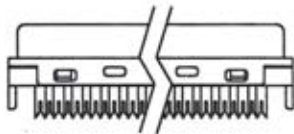
(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

HALF PITCH (1.27MM) MINI RIBBON IDC TYPE CABLE FEMALE CONNECTOR WITHOUT HOOD



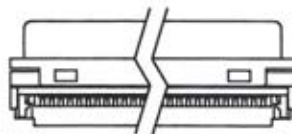
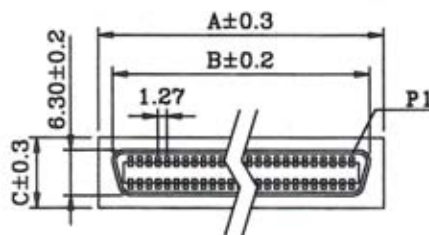
Termination Cover



Termination Plate Cover



Wire Holder



M Type (W/O Hood)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Cover & Holder: Plastic Thermoplastic UL94V-0,

P.B.T. UL94V-0, Black

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D
26	24.00	20.25	9.30	13.85
36	30.40	26.50	8.60	13.85
50	39.20	35.50	9.30	14.40
68	50.80	46.93	9.30	13.85

ORDERING INFORMATION:

P/N 5 7 F C - $\frac{x}{1} \frac{x}{2} \frac{M}{3} x$

1. NO. OF CONTACTS:

26, 36, 50, 68

2. MANUFACTURED TYPE:

"M" MOLDED TYPE (W/O HOOD)

3. WIRE HOLDER (AWG28 & AWG30):

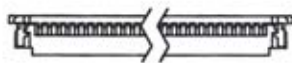
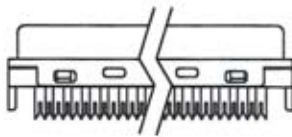
"6" 0.62MM

"7" 0.75MM

"8" 0.80MM

"9" 0.90MM

HALF PITCH (1.27MM) MINI RIBBON IDC TYPE CABLE FEMALE CONNECTOR KIT WITH HOOD



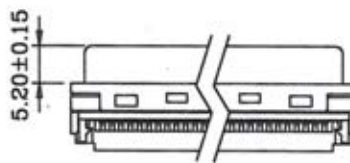
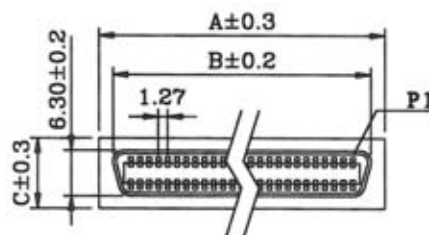
Termination Cover



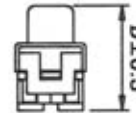
Termination Plate Cover



Wire Holder



A Type (With Hood)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Cover & Holder: Plastic Thermoplastic UL94V-0,
P.B.T. UL94V-0, Black

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D
26	24.00	20.25	9.30	13.85
36	30.40	26.50	8.60	13.85
50	39.20	35.50	9.30	14.40
68	50.80	46.93	9.30	13.85

ORDERING INFORMATION:

P/N 5 7 F C - $\frac{x}{1} \frac{x}{2} A \frac{x}{3} \frac{x}{4} \frac{x}{5} \frac{x}{6}$

1. NO. OF CONTACTS:

26, 36, 50, 68

2. WIRE HOLDER (AWG28 & AWG30):

"6" 0.62MM

"7" 0.75MM

"8" 0.80MM

"9" 0.90MM

3. HOOD TYPE:

PLASTIC HOOD: PHL, PHLS, PHS

METAL HOOD: MHL, MHR, MHS, MHES, MHES
(SEE PAGE C0491~C0499)

4. ENTRY HOLE SIZE OF HOOD:

0, 4A, 6, 6A, 7, 7A, 8, 8A, 9,
10A, 11, 12, 14, 14A, 15A, Y
(SEE PAGE C0491~C0499)

5. HOOD COLOR OR FINISH:

"V" BEIGE (PLASTIC HOOD)

"B" BLACK (PLASTIC HOOD)

"N" NICKEL PLATED (METAL HOOD)

"G" GOLD PLATED (METAL HOOD)

6. THREADED FINISH:

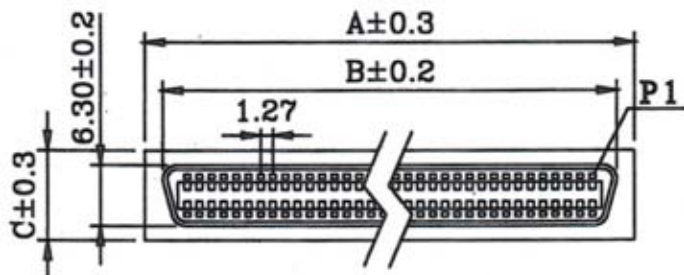
(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

HALF PITCH (1.27MM) MINI RIBBON SOLDER TYPE CABLE FEMALE CONNECTOR WITHOUT HOOD



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

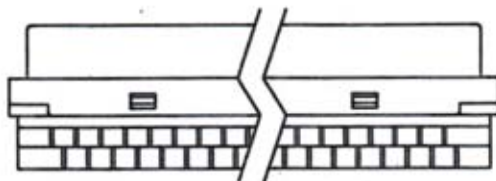
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

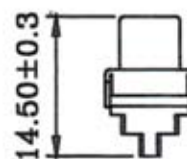
Front Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C
26	24.00	20.25	9.30
36	30.40	26.50	8.60
50	39.20	35.50	9.30
68	50.90	46.93	9.30



M Type (W/O Hood)



ORDERING INFORMATION:

P/N 57FS - $\frac{x}{1} \frac{x}{2} \frac{M}{2}$

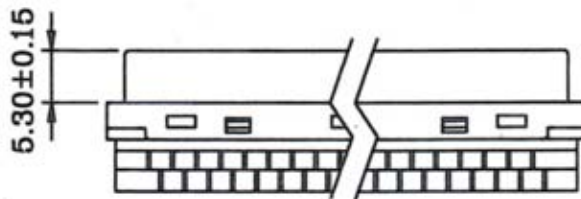
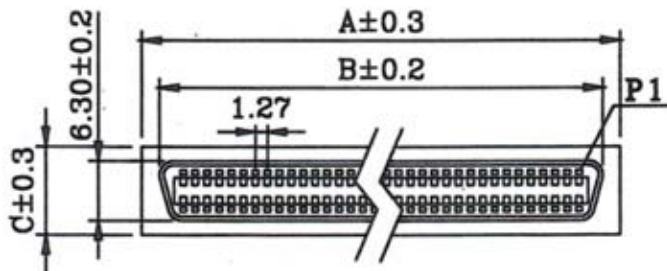
1. NO. OF CONTACTS:

26, 36, 50, 68

2. MANUFACTURED TYPE:

"M" MOLDED TYPE (W/O HOOD)

HALF PITCH (1.27MM) MINI RIBBON SOLDER TYPE CABLE FEMALE CONNECTOR KIT WITH HOOD



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

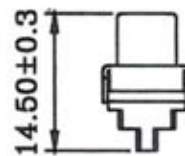
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C
26	24.00	20.25	9.30
36	30.40	26.50	8.60
50	39.20	35.50	9.30
68	50.90	46.93	9.30



A Type (with Hood)

ORDERING INFORMATION:

P/N 57FS - $\frac{x}{1}A \frac{x}{2} \frac{x}{3} \frac{x}{4} \frac{x}{5}$

1. NO. OF CONTACTS:

26, 36, 50, 68

2. HOOD TYPE:

PLASTIC HOOD: PHL, PHLS, PHS

METAL HOOD: MHL, MHR, MHS, MHEL, MHES

(SEE PAGE C0491~C0499)

3. ENTRY HOLE SIZE OF HOOD:

0, 4A, 6, 6A, 7, 7A, 8, 8A, 9,

10A, 11, 12, 14, 14A, 15A, Y

(SEE PAGE C0491~C0499)

4. HOOD COLOR OR FINISH:

"V" BEIGE (PLASTIC HOOD)

"B" BLACK (PLASTIC HOOD)

"N" NICKEL PLATED (METAL HOOD)

"G" GOLD PLATED (METAL HOOD)

5. THREADED FINISH:

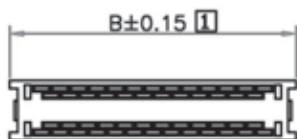
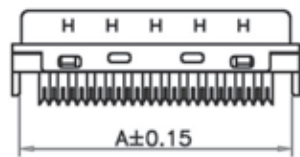
(ONLY FOR SCREW BRACKET)

"1" JACKSCREWS #2-56

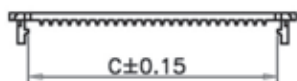
"2" JACKSCREWS #4-40

"3" JACKSCREWS M2.6

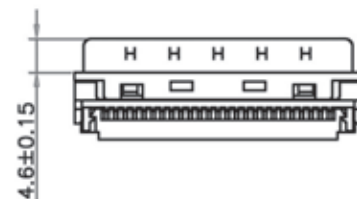
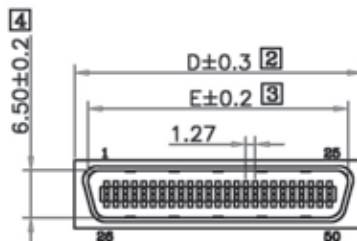
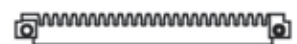
HALF PITCH MINI RIBBON IDC TYPE CONNECTOR KIT FOR ROUND CABLE ASSEMBLY



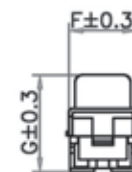
Termination Cover
(1 Places)



Wire Holder
(2 Places)



NO OF CONTACTS	A	B	C	D	E	F	G
14	14.38	16.38	11.18	16.45	12.80	8.60	13.10
20	18.10	20.10	14.90	20.20	16.60	9.50	13.10
26	22.10	24.00	18.60	24.00	20.40	9.50	13.10
36	28.35	29.40	25.21	30.40	26.70	8.60	13.10
50	37.30	38.30	34.10	39.30	35.60	9.50	13.80
68	48.75	50.80	45.65	50.90	46.95	9.30	13.10
100	69.05	71.05	65.85	71.05	67.29	9.30	13.50



ORDERING INFORMATION:

P/N 5 7 81 - x x x x x x
1 2 3 4 5

1. CONNECTOR TYPE:

"81" MALE

2. NO. OF CONTACTS:

14, 20, 26, 36, 50, 68, 100

3. LATCH & SCREW OPTION:

"L" WITH LATCHES

"S" WITH #2-56 SCREWS

4. COVER OD:

"6" Ø6.0MM (14P, 20P)

"6A" Ø6.5MM (20P)

"7" Ø7.0MM (20P, 26P)

"7A" Ø7.5MM (20P, 26P, 36P)

"8" Ø8.0MM (20P, 26P, 36P)

"8A" Ø8.5MM (26P, 36P)

"9" Ø9.0MM (26P, 36P, 40P, 50P)

"10" Ø10.0MM (50P)

"10A" Ø10.5MM (50P)

"11" Ø11.0MM (50P, 68P, 100P)

"14" Ø14.0MM (68P, 100P)

5. COVER TYPE:

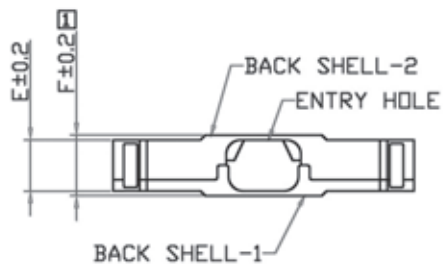
"0" WITHOUT COVER

"P" WITH PLASTIC COVER

"M" WITH METAL COVER

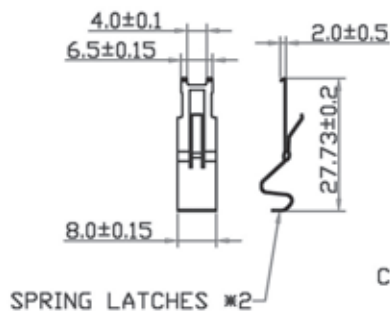
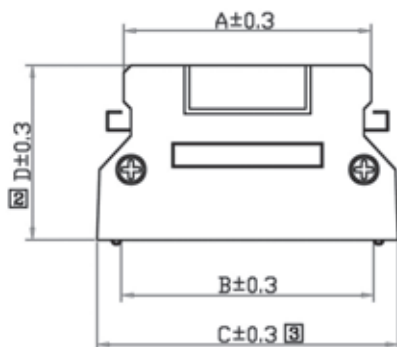
NOTE: SEE NEXT PAGE FOR METAL &
PLASTIC COVERS!

METAL COVER & PLASTIC COVER FOR HALF PITCH MINI RIBBON IDC TYPE PLUG



Positions

	A	B	C	D	E	F
26	25.10	25.14	35.10	36.70	10.71	12.65
36	31.50	31.54	41.50	36.70	10.71	12.65
50	40.50	40.54	50.50	36.70	10.71	12.65
68	51.30	51.50	61.60	36.70	10.70	12.50



ENTRY HOLE	
ø7.5	36,26
ø9.0	50,36,26
ø11.0	50,68
ø14.0	68



METAL COVER FOR P/N 5781-xxxxxM

MATERIALS

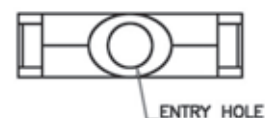
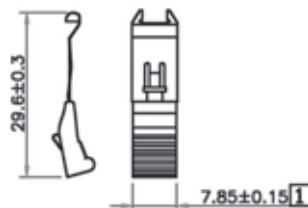
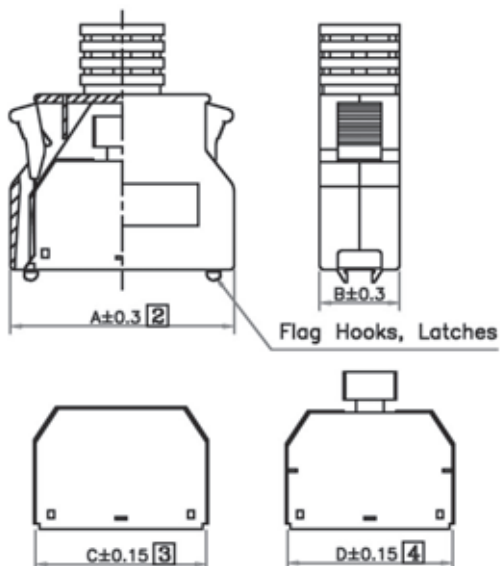
Hood: Plastic ABS

Inner Shell: Steel, Nickel Plated

Flag Latch: Phosphor Bronze,
Nickel Plated

Fish Latch: Stainless Steel

*RoHS & REACH compliant.

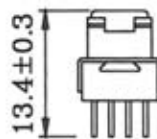
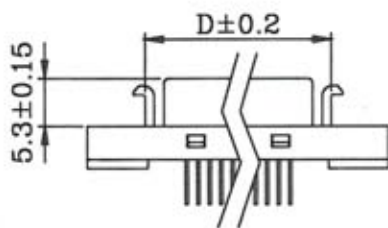
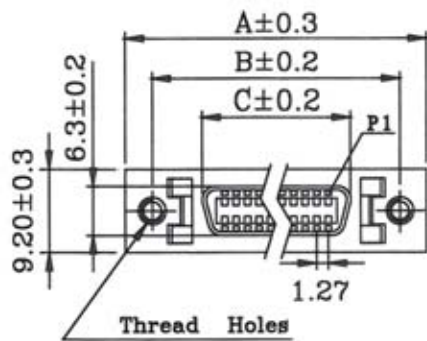


ENTRY HOLE	
14P	ø6.0
20P	ø6.0, ø6.5, ø7.0, ø7.5, ø8.0
26P	ø7.0, ø8.0, ø8.5
36P	ø7.5, ø8.0, ø8.5, ø9.0
50P	ø9.0, ø10.5

	A	B	C	D
14	26.00	12.00	17.60	16.30
20	30.00	12.40	21.40	20.20
26	33.70	12.40	25.30	23.95
36	39.90	11.40	31.60	30.30
50	49.20	12.50	40.55	39.35

PLASTIC COVER FOR P/N 5781-xxxxxP

HALF PITCH (1.27MM) MINI RIBBON FEMALE CONNECTOR VERTICAL MOUNT DIP TYPE (1)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

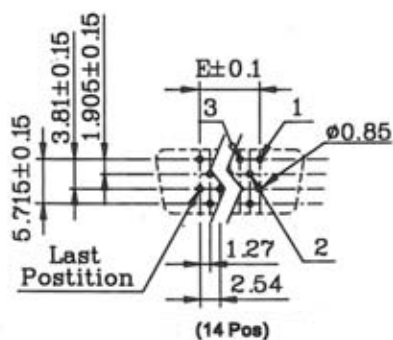
Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

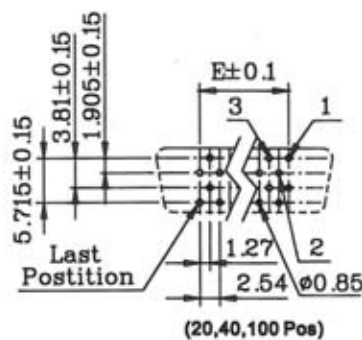
Bracket Shell: Steel, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D	E
14	29.60	23.64	12.63	17.08	7.62
20	33.40	27.44	16.44	20.80	11.43
40	46.08	40.14	29.14	33.30	24.13
100	84.18	78.23	67.14	71.50	62.23



Recommended P.C.Board Layout



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 57F5 - $\frac{x}{1} \frac{x}{2} \frac{L}{3}$

1. NO. OF CONTACTS:

14, 20, 40, 100

2. BRACKET TYPE:

"L" LATCH BRACKET

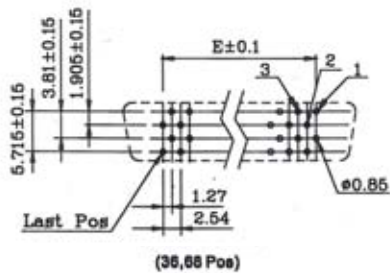
3. THREADED FINISH:

"1" #2-56

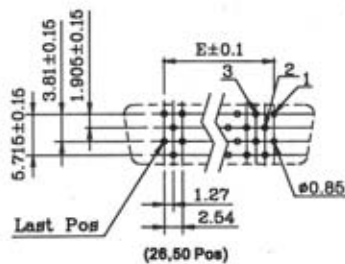
"2" #4-40

"3" M2.6

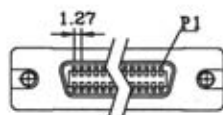
HALF PITCH (1.27MM) MINI RIBBON FEMALE CONNECTOR VERTICAL MOUNT DIP TYPE (2)



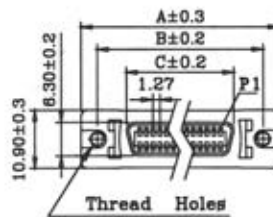
Recommended P.C.Board Layout



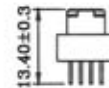
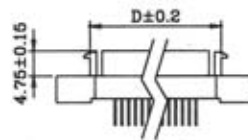
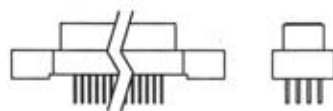
Recommended P.C.Board Layout



S Type



L Type



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Bracket: Zinc Alloy, Nickel Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D	E
26	37.20	31.20	20.25	24.70	15.24
36	43.50	37.60	26.60	31.00	21.60
50	52.60	46.50	35.40	40.10	30.48
68	64.00	57.90	46.90	51.00	41.91

ORDERING INFORMATION:

P/N 5 7 F 5 - $\frac{x x x x}{1 2 3}$

1. NO. OF CONTACTS:

26, 36, 50, 68

2. BRACKET TYPE:

"L" LATCH BRACKET

"S" SCREW BRACKET

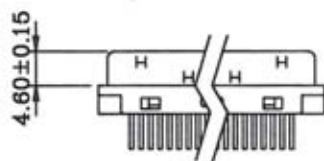
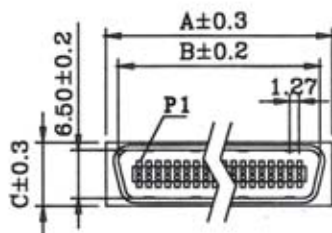
3. THREADED FINISH:

"1" #2-56

"2" #4-40

"3" M2.6

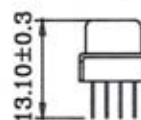
HALF PITCH (1.27MM) MINI RIBBON MALE CONNECTOR VERTICAL DIP TYPE



(36,40,100 Pos)



(26,50 Pos)



SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

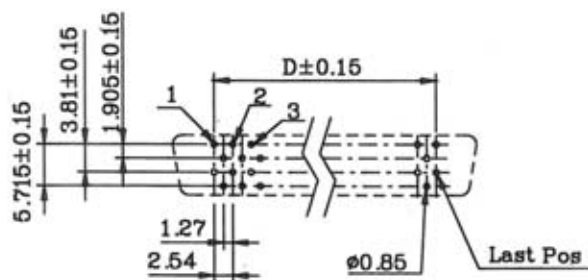
Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

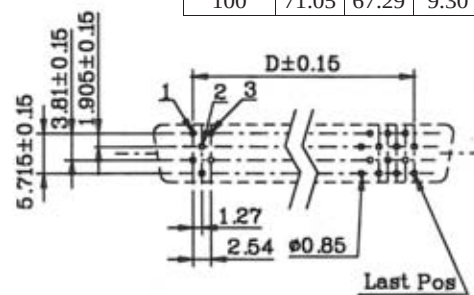
***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D
26	24.00	20.40	9.50	15.24
36	30.40	26.70	8.60	21.59
40	32.95	29.25	9.30	24.13
50	39.30	35.50	9.30	30.48
100	71.05	67.29	9.30	62.23



(26,50 Pos)

Recommended P.C.Board Layout



(36,40,100 Pos)

Recommended P.C.Board Layout

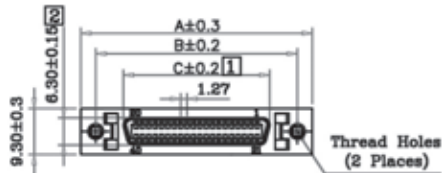
ORDERING INFORMATION:

P/N 57M1 - $\frac{x}{1}$

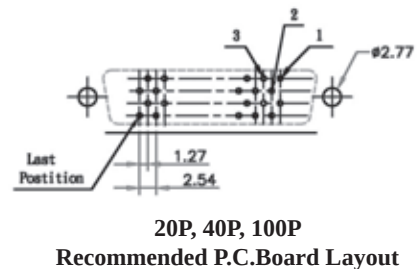
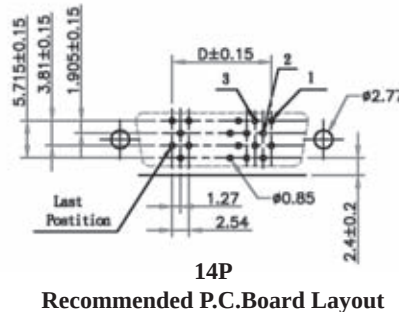
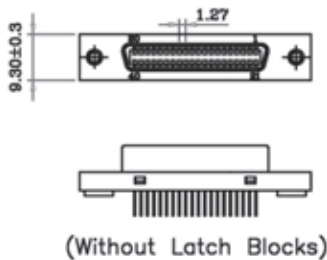
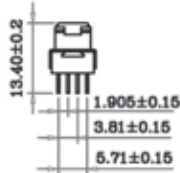
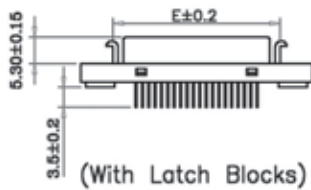
1. NO. OF CONTACTS:

26, 36, 40, 50, 100

HALF PITCH MINI RIBBON FEMALE CONNECTOR STRAIGHT PCB MOUNT TYPE (1)



NO OF CONTACTS	A	B	C	D	E
14	29.60	23.84	12.83	7.85	17.08
20	33.38	27.44	16.44	11.43	20.60
40	46.08	40.14	29.14	24.13	33.30
100	84.18	78.23	67.14	71.50	62.23



SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 500V for 1 Min.

Insulation Resistance: 500MΩ Min.

Contact Resistance: 35mΩ Max.

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

MATERIALS

Shell & Bracket: Steel, Nickel or Tin
Plated Over Copper

Housing & Cover: PBT, UL94V-0

Pin Contact: Phosphor Bronze, Gold
Selective Plated Over Tin

Boardlock: Phosphor Bronze, Tin Plated
Over Copper

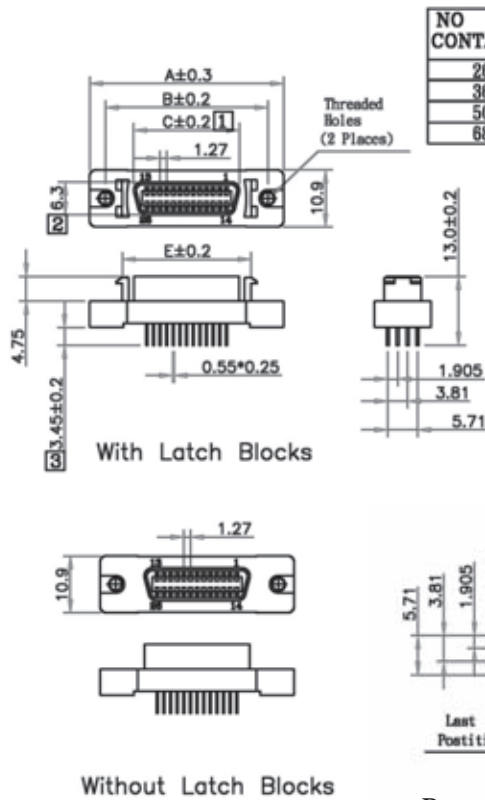
*RoHS & REACH compliant.

ORDERING INFORMATION:

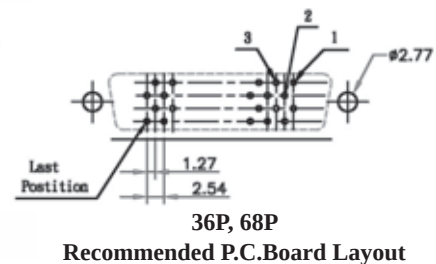
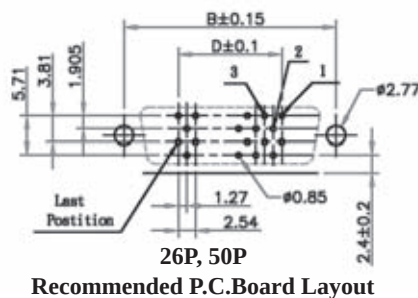
P/N 5 7 8 4 - x x x
1 2 3

- CONNECTOR TYPE:
"84" FEMALE STRAIGHT DIP TYPE
- NO. OF CONTACTS:
14, 20, 40, 100
- SHELL TYPE:
"A" WITH LATCHES
"B" W/O LATCHES

HALF PITCH MINI RIBBON FEMALE CONNECTOR STRAIGHT PCB MOUNT TYPE (2)



NO OF CONTACTS	A	B	C	D	E
26	37.20	31.20	20.25	15.24	24.64
36	43.50	37.60	26.60	21.59	30.99
50	52.60	46.80	35.50	30.48	39.88
68	64.00	57.90	46.90	41.91	51.30



SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 500V AC for 1 Min.

Insulation Resistance: 500MΩ Min.

Contact Resistance: 35mΩ Max.

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

MATERIALS

Shell & Bracket: Steel, Nickel or Tin
Plated Over Copper

Housing & Cover: Plastic Thermoplastic,
PBT UL94V-0

Insulator: PBT, UL94V-0

Pin Contact: Phosphor Bronze, Gold
Selective Plated Over Tin

Boardlock: Phosphor Bronze, Tin Plated
Over Copper

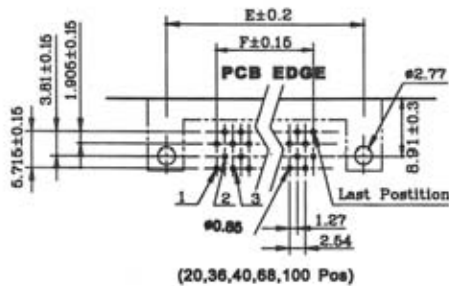
*RoHS & REACH compliant.

ORDERING INFORMATION:

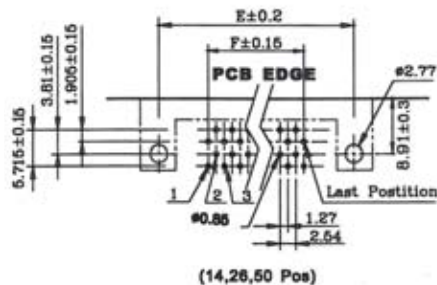
P/N 5 7 84 - x x x
1 2 3

- CONNECTOR TYPE:
"84" FEMALE STRAIGHT DIP TYPE
- NO. OF CONTACTS:
26, 36, 50, 68
- SHELL TYPE:
"A" WITH LATCHES
"B" W/O LATCHES

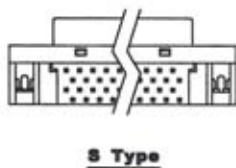
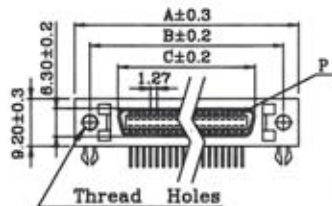
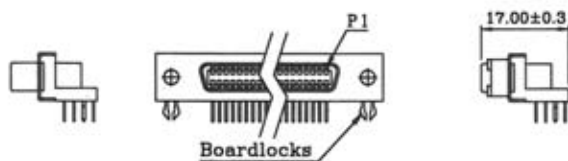
HALF PITCH (1.27MM) MINI RIBBON FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



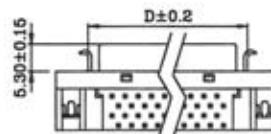
Recommended P.C.Board Layout



Recommended P.C.Board Layout



S Type



L Type

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Bracket Shell: Steel, Nickel Plated Over Copper

Boardlock: Copper Alloy, Tin Plated Over Copper

***RoHS & REACH compliant.**

No. of Contacts	A	B	C	D	E	F
14	29.57	23.64	12.63	17.08	23.64	7.62
20	33.40	27.40	16.44	20.83	27.45	11.43
26	37.19	31.25	20.25	24.64	31.26	15.24
36	43.54	37.61	26.60	31.05	37.61	21.59
40	46.15	40.15	29.14	33.70	40.15	24.13
50	52.50	46.50	35.49	39.88	46.50	30.48
68	63.92	57.92	46.92	51.32	57.90	41.91
100	84.18	78.23	67.10	71.64	78.30	62.23

ORDERING INFORMATION:

P/N 5 7 F 3 - $\frac{x x x x}{1 2 3}$

1. NO. OF CONTACTS:

14, 20, 26, 36, 40, 50, 68, 100

2. BRACKET TYPE:

"L" LATCH BRACKET

"S" SCREW BRACKET

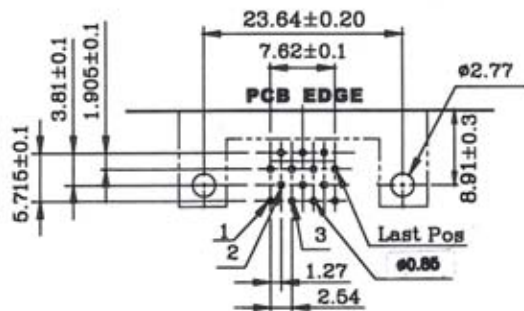
3. THREADED FINISH:

"1" #2-56

"2" #4-40

"3" M2.6

HALF PITCH (1.27MM) MINI RIBBON FEMALE CONNECTOR RIGHT ANGLE DIP TYPE WITH HOOK



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.0 Amp

Dielectric Withstanding: 500V AC

Contact Resistance: 35m OHMS Max.

Insulation Resistance: 500M OHMS Min

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

MATERIALS

Housing: Plastic Thermoplastic P.B.T. UL94V-0, Black

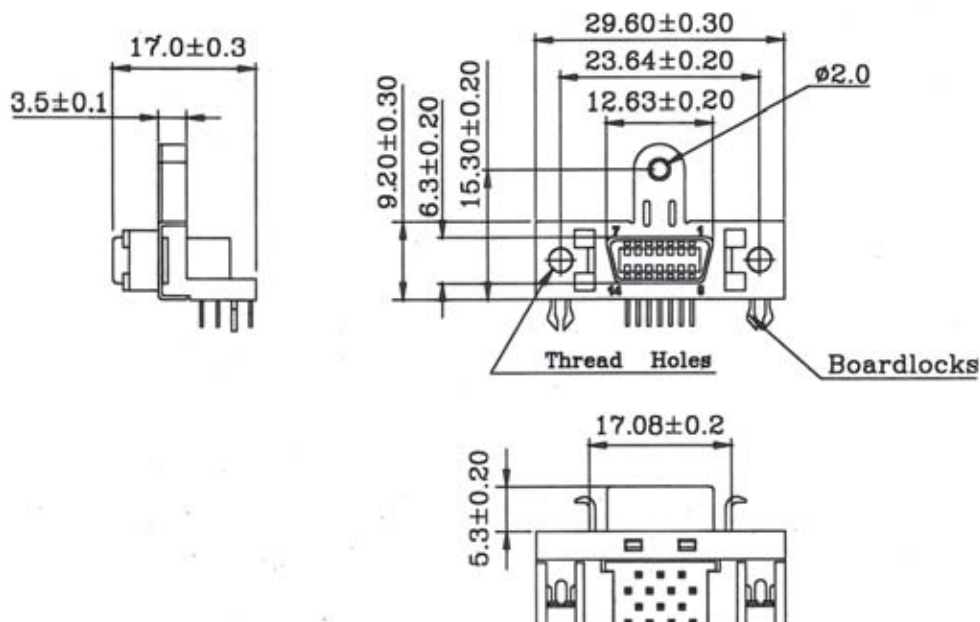
Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Bracket Shell: Steel, Nickel Plated Over Copper

Boardlock: Copper Alloy, Tin Plated Over Copper

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N 57F4 - $\frac{x \times x \times x}{1 \ 2 \ 3}$

1. NO. OF CONTACTS:

14

2. BRACKET TYPE:

"L" LATCH BRACKET

"S" SCREW BRACKET

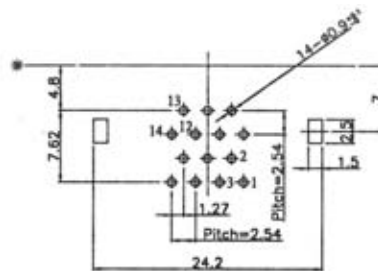
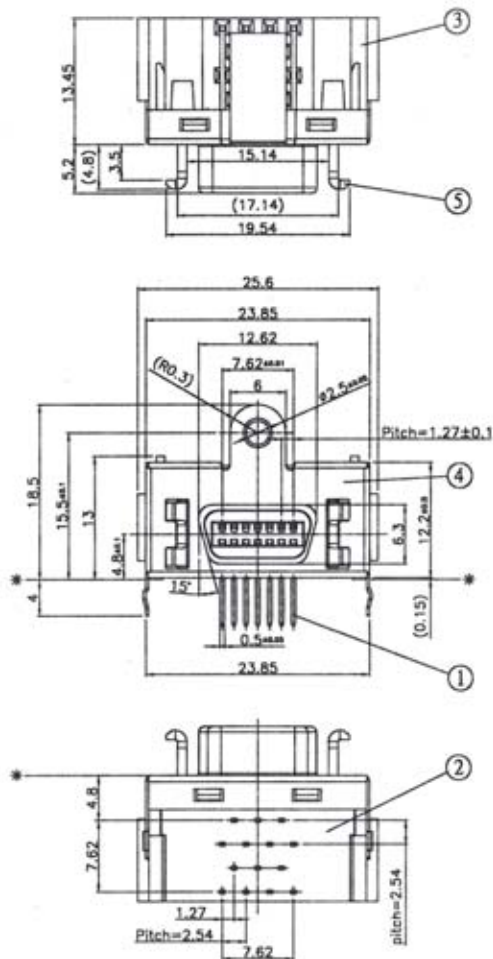
3. THREADED FINISH:

"1" #2-56

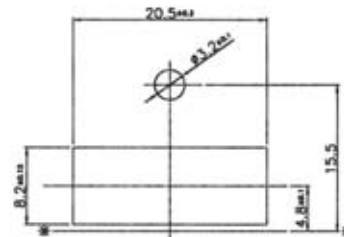
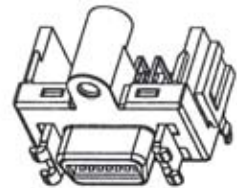
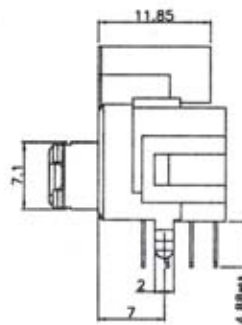
"2" #4-40

"3" M2.6

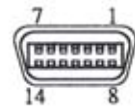
HALF PITCH (1.27MM) MINI RIBBON FEMALE CONNECTOR RIGHT ANGLR DIP TYPE WITH HOOK



Recommended P.C. Board Layout
(Bottom View T=1.6)



Dimension Of Panel Holes
T=0.8~1.0

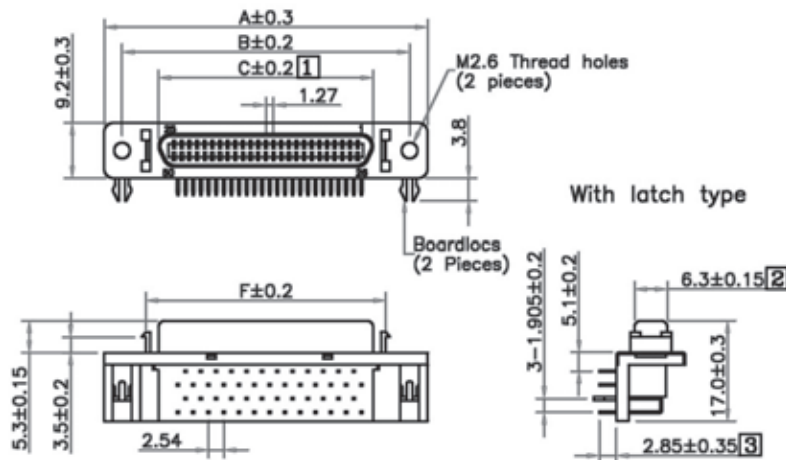


ORDERING INFORMATION:

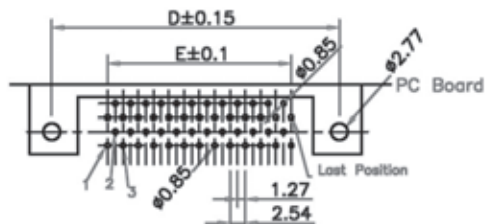
P/N 57F9 - $\frac{14}{1} \frac{H}{2}$

1. NO. OF CONTACTS:
14
2. ACCESSORY:
"H" WITH HOOK

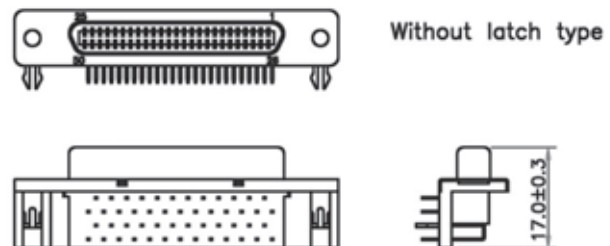
HALF PITCH MINI RIBBON FEMALE CONNECTOR RIGHT ANGLE PCB MOUNT TYPE



POSITION	A	B	C	D	E	F
14	29.57	23.64	12.63	23.64	7.62	17.08
26	37.19	31.26	20.25	31.26	15.24	24.64
50	52.50	46.50	35.49	46.50	30.48	39.88



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 500V AC for 1 Min.

Insulation Resistance: 500MΩ Min.

Contact Resistance: 35mΩ Max.

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

MATERIALS

Shell & Bracket: Steel, Nickel or Tin
Plated Over Copper

Housing & Cover: Plastic Thermoplastic,
PBT UL94V-0

Insulator: PBT, UL94V-0

Pin Contact: Phosphor Bronze, Gold
Selective Plated Over Tin

Boardlock: Brass, Tin Plated Over Copper

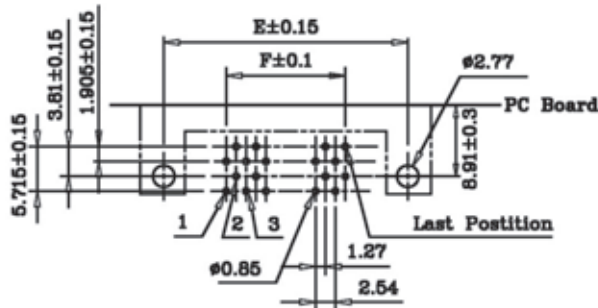
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 7 8 6 - x x x
1 2 3

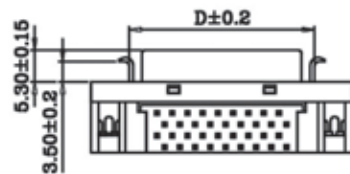
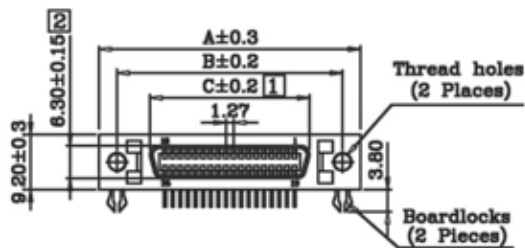
- CONNECTOR TYPE:
"86" FEMALE RIGHT ANGLE DIP TYPE
- NO. OF CONTACTS:
14, 26, 50
- SHELL TYPE:
"A" WITH LATCHES
"B" W/O LATCHES

HALF PITCH MINI RIBBON FEMALE CONNECTOR RIGHT ANGLE PCB MOUNT TYPE

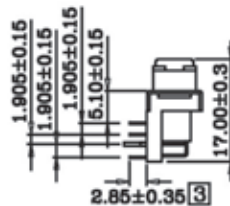


Recommended P.C.Board Layout

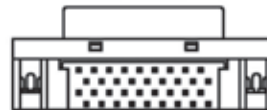
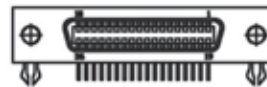
NO OF CONTACTS	A	B	C	D	E	F
20	33.40	27.45	16.44	20.83	27.45	11.43
36	43.54	37.61	26.60	31.05	37.61	21.59
40	46.00	40.15	29.14	33.70	40.15	24.13
68	64.00	57.93	46.92	51.32	57.93	41.91
100	84.18	78.25	67.14	71.64	78.25	62.23



L Type



S Type



SPECIFICATIONS

Current Rating: 1 Amp

Dielectric Strength: 500V AC for 1 Min.

Insulation Resistance: 500MΩ Min.

Contact Resistance: 35mΩ Max.

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

MATERIALS

Front Shell: Steel Nickel Plated Over Copper

Housing & Cover: Plastic Thermoplastic, PBT UL94V-0

Insulator: PBT, UL94V-0

Pin Contact: Phosphor Bronze, Gold Selective Plated

Boardlock: Brass, Tin Plated Over Copper

Bracket: Steel Nickel Plated Over Copper

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5 7 86 - x x x
1 2 3

1. CONNECTOR TYPE:

"86" FEMALE RIGHT ANGLE DIP TYPE

2. NO. OF CONTACTS:

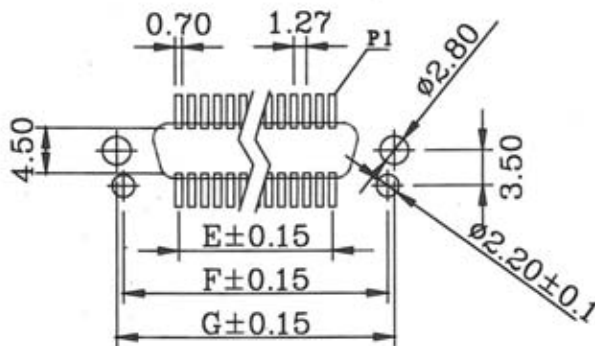
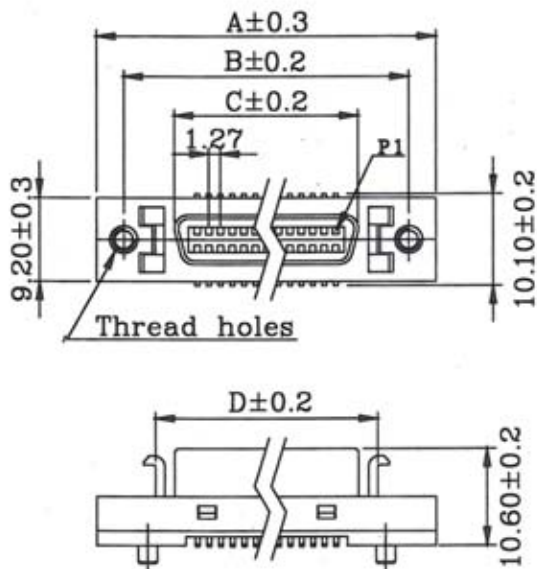
20, 36, 40, 68, 100

3. SHELL TYPE:

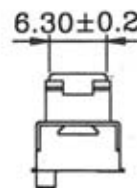
"A" WITH LATCHES

"B" W/O LATCHES

HALF PITCH (1.27MM) MINI RIBBON FEMALE CONNECTOR VERTICAL SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstanding: 150V AC

Contact Resistance: 40m OHMS Max.

Insulation Resistance: 500M OHMS Min

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: Plastic Thermoplastic Nylon PA9T UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Bracket: Steel, Nickel Plated Over Copper

*RoHS & REACH compliant.

No. of Contacts	A	B	C	D	E	F	G
20	33.42	27.44	16.44	20.65	11.43	22.28	27.44
26	37.23	31.25	20.14	24.69	15.24	26.13	31.25
36	43.88	37.65	26.53	31.00	21.59	32.52	37.65

ORDERING INFORMATION:

P/N 5 7 F 1 - $\frac{x}{1} \frac{x}{2} \frac{L}{3} \frac{x}{3}$

1. NO. OF CONTACTS:

20, 26, 36

2. BRACKET TYPE:

"L" LATCH BRACKET

3. THREADED FINISH:

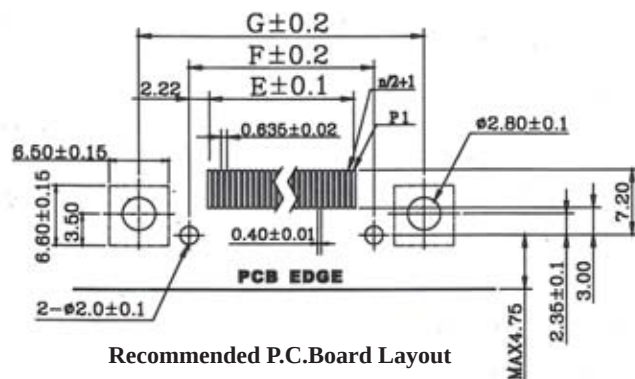
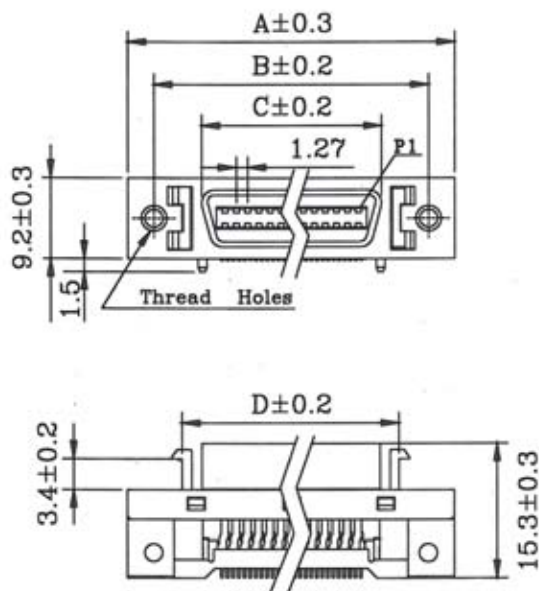
"1" #2-56

"2" #4-40

"3" M2.6

"4" M2.5

HALF PITCH (1.27MM) MINI RIBBON FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 0.5 Amp

Dielectric Withstanding: 150V AC

Contact Resistance: 40m OHMS Max.

Insulation Resistance: 500M OHMS Min

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: Plastic Thermoplastic Nylon PA9T UL94V-0, Black

Contacts: Copper Alloy, Gold Selective Plated

Front Shell: Steel, Nickel Plated Over Copper

Bracket: Zinc Alloy, Nickel Plated Over Copper

*RoHS & REACH compliant.

No. of Contacts	A	B	C	D	E	F	G
20	33.40	27.44	16.44	20.83	12.07	16.51	27.44
26	37.19	31.25	20.25	24.64	15.88	20.32	31.25
36	43.54	37.60	26.60	31.05	22.23	26.67	37.60

ORDERING INFORMATION:

P/N 5 7 F 2 - $\frac{x}{1} \frac{x}{2} \frac{L}{3} \frac{x}{3}$

1. NO. OF CONTACTS:

20, 26, 36

2. BRACKET TYPE:

"L" LATCH BRACKET

3. THREADED FINISH:

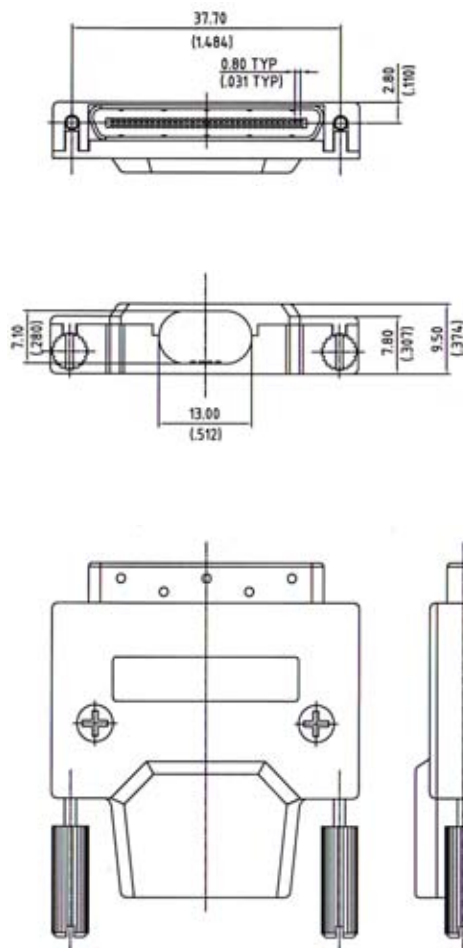
"1" #2-56

"2" #4-40

"3" M2.6

"4" M2.5

0.80MM(0.032") VHDC 68 PIN MALE CONNECTOR IDC FLAT CABLE TYPE



SPECIFICATIONS

Current Rating: 0.3 Amperes

Contact Resistance: 50mΩ Max.

Insulation Resistance: 500MΩ Min.

Dielectric Voltage: 250V AC at 1 Minute

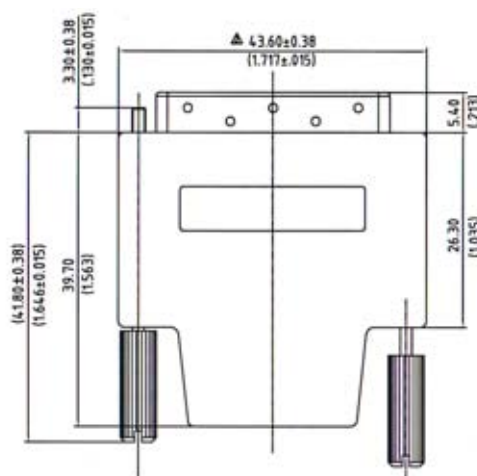
Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze, Gold over Nickel

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N V H D C - $\frac{68}{1} \frac{M}{2}$

1. NO. OF CONTACTS:

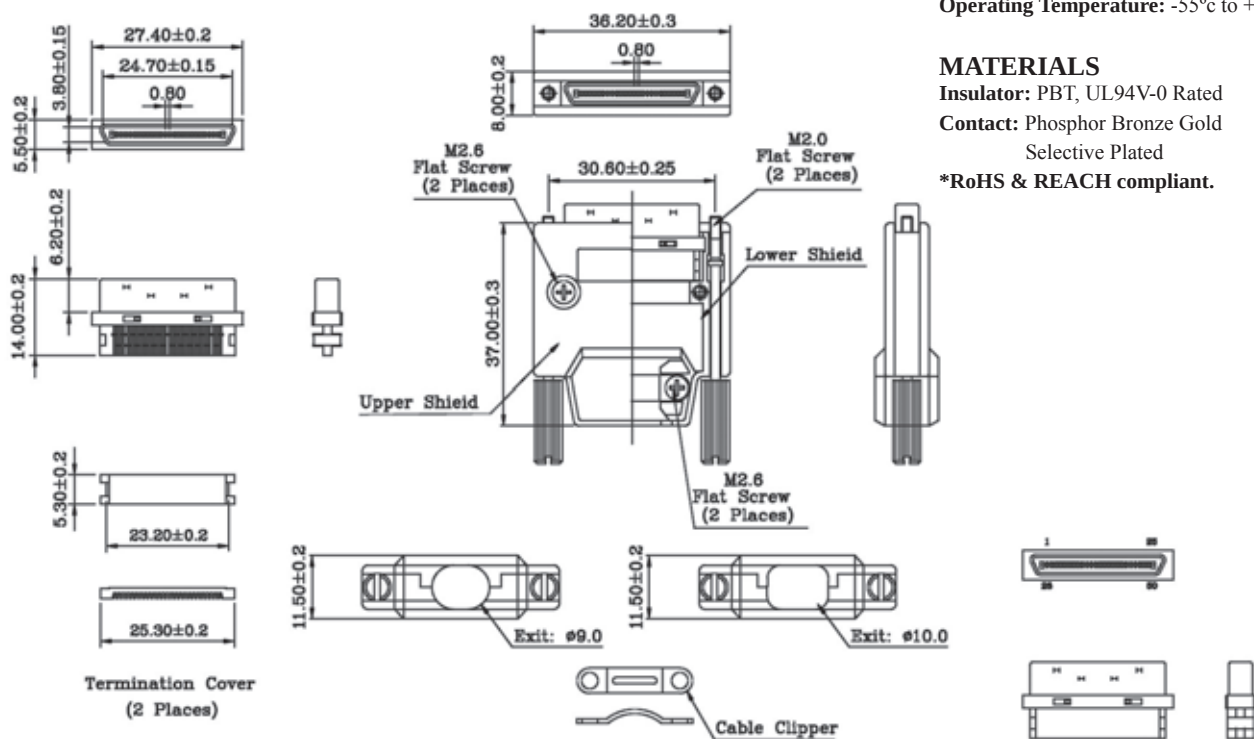
68

2. CONNECTOR TYPE:

"M" MALE

NOTE: P/N VHDC-68M INCLUDING 68 PIN
CONNECTOR + HOUSING AS SHOWN
IN THE ABOVE DRAWING.
ENTRY HOLE: 13.0*7.1MM

0.80MM(0.032") VHDC 50 PIN MALE CONNECTOR IDC ASSEMBLY TYPE



SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 35mΩ Max.

Insulation Resistance: 500MΩ Min.

Dielectric Voltage: 250V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze Gold
Selective Plated

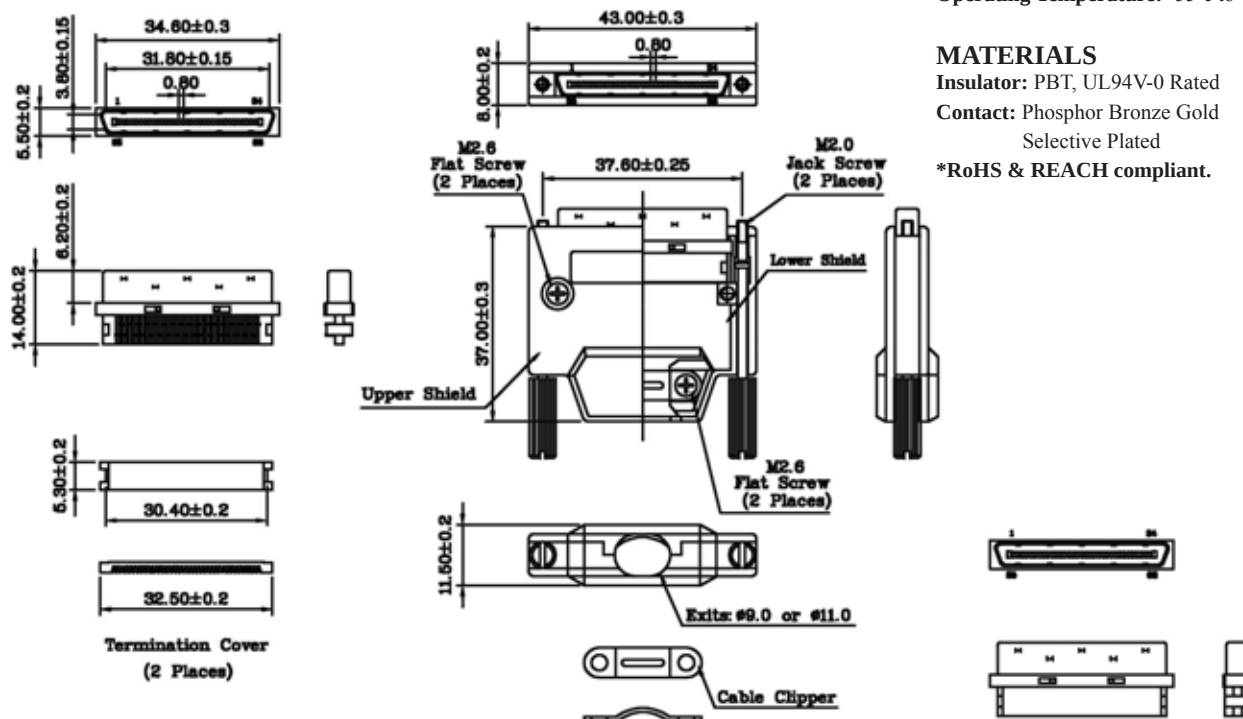
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N V H D C - $\frac{5}{1} \frac{0}{2} \frac{M}{3} \frac{x}{4}$

1. NO. OF CONTACTS:
50
2. WIRE HOLDER SIZE:
"1" 0.61MM
"8" 0.68MM
3. ENTRY HOLE SIZE:
"A" Ø 9.0MM
"B" Ø 10.0MM

0.80MM(0.032") VHDC 68 PIN MALE CONNECTOR IDC ASSEMBLY TYPE



SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 35mΩ Max.

Insulation Resistance: 500MΩ Min.

Dielectric Voltage: 250V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze Gold
Selective Plated

*RoHS & REACH compliant.

ORDERING INFORMATION:

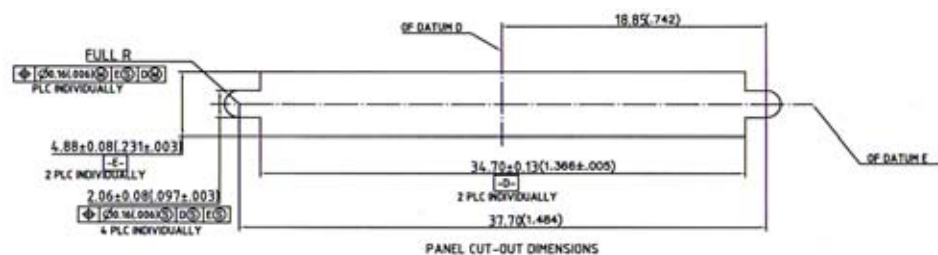
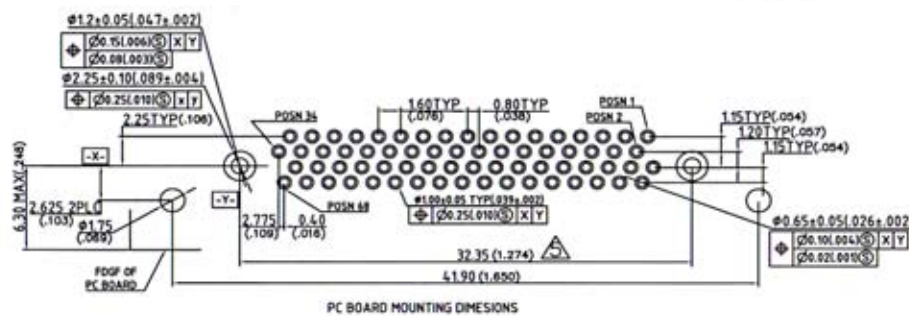
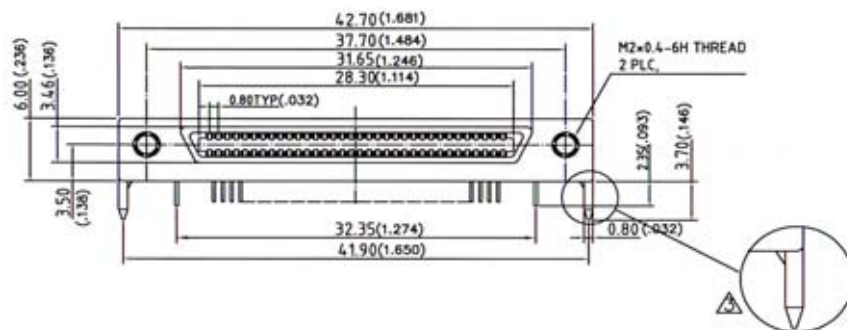
P/N V H D C - $\frac{6}{1} \frac{8}{2} \frac{M}{3} \frac{x}{4}$

1. NO. OF CONTACTS:
68
2. WIRE HOLDER SIZE:
"1" 0.61MM
"8" 0.68MM
3. ENTRY HOLE SIZE:
"A" Ø 9.0MM
"B" Ø 10.0MM

Technical drawing of a rectangular component. The overall width is 30.02 (1.181) and the overall height is 14.65 (1.577). The central hatched section has a width of 29.40 (1.157) and a height of 5.20 (206). The drawing shows a cross-section with a central hatched area and two side sections.

Operating Temperature: -55°C to +85°C

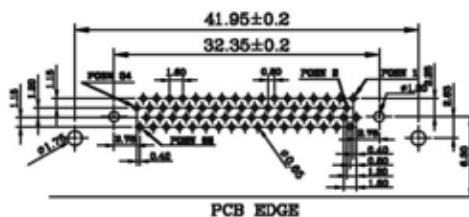
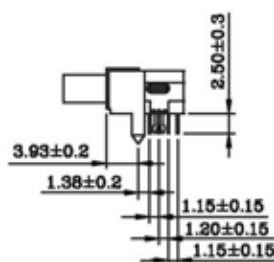
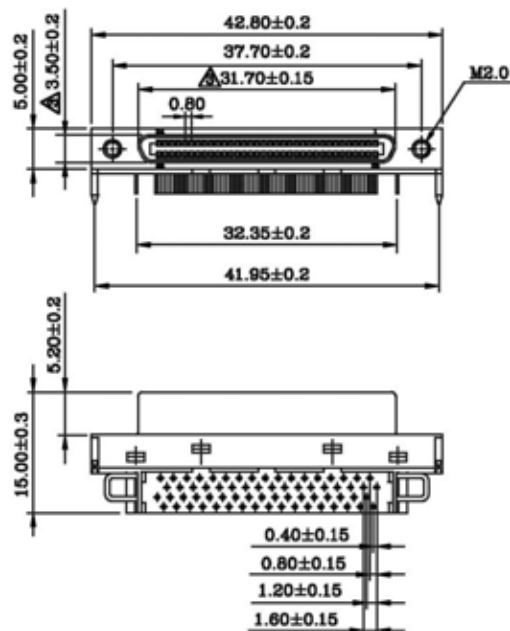
***RoHS & REACH compliant.**



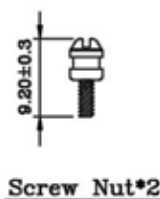
P/N V H D C - $\frac{68}{1} \frac{F}{2}$

- tel. 02.3361.1626 info@elitaliaweb.it
fax 02.2626.1009 www.elitaliaweb.it

0.80MM(0.032") VHDC 68 PIN FEMALE CONNECTOR RIGHT ANGLE PCB MOUNT DIP TYPE



Recommended P.C.Board Layout



Screw Nut*2

SPECIFICATIONS

Current Rating: 0.5 Amp

Contact Resistance: 35mΩ Max.

Insulation Resistance: 500MΩ Min.

Dielectric Voltage: 250V AC

Operating Temperature: -55°C to +85°C

MATERIALS

Insulator: PA66, UL94V-0 Rated

Contact: Phosphor Bronze Gold
Selective Plated

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N V H D C - $\frac{68}{1}$ F $\frac{2}{2}$ N $\frac{3}{3}$

1. NO. OF CONTACTS:

68

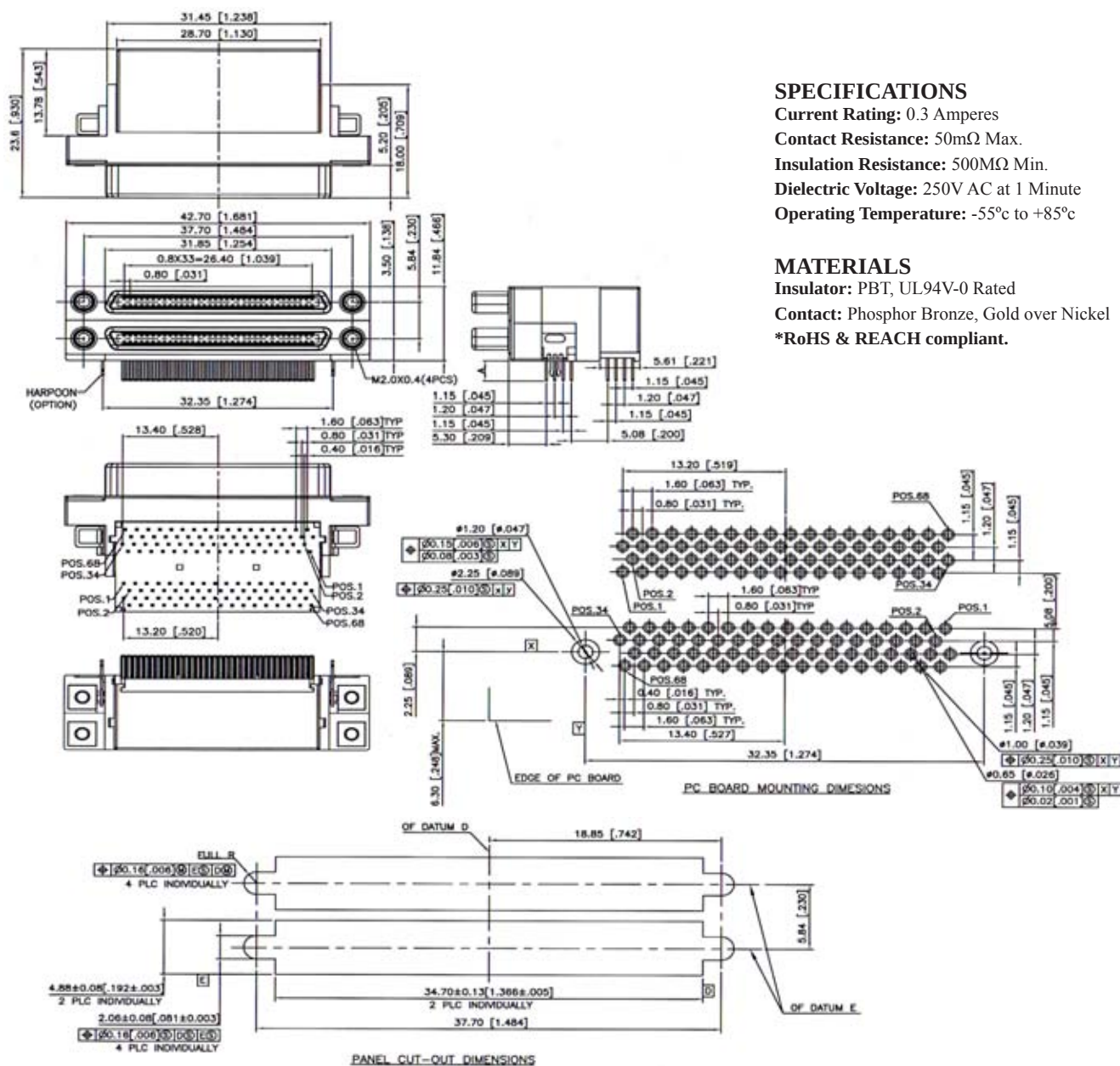
2. THREADED TYPE:

"2" M2.0MM

3. SHELL MOUNTING TYPE:

"N" WITH NUTS M2.0 THREADED

0.80MM(0.032") DUAL PORT VHDC 68 PIN RIGHT ANGLE TYPE



ORDERING INFORMATION:

P/N DP-VHDC 68 FF
1 2

1. NO. OF CONTACTS:
68
2. CONNECTOR TYPE:
"FF" FEMALE TO FEMALE

SATA 3.0 7 PIN MALE CONNECTOR STRAIGHT DIP TYPE

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

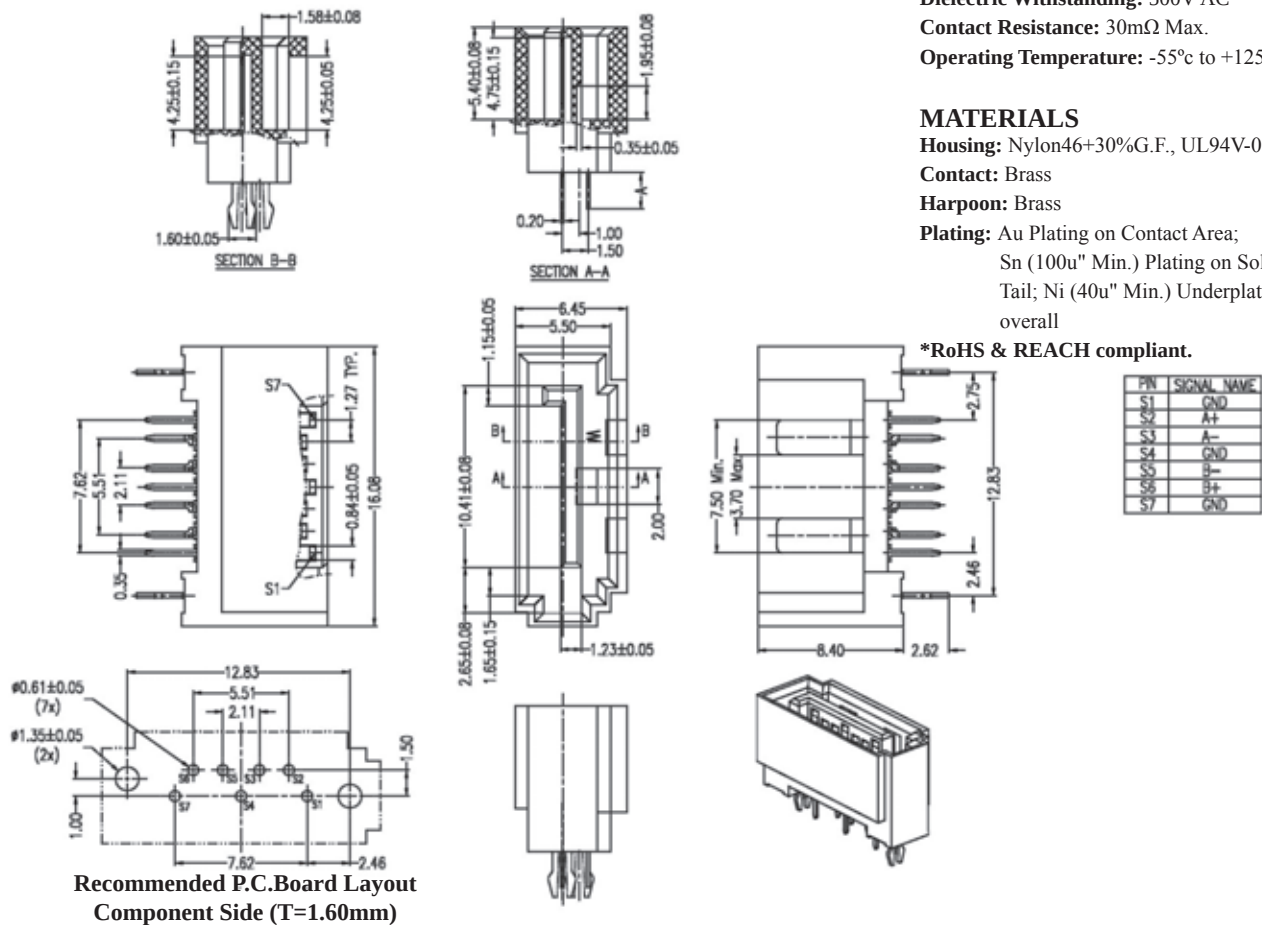
Housing: Nylon46+30%G.F., UL94V-0

Contact: Brass

Harpoon: Brass

Plating: Au Plating on Contact Area;
Sn (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N S A T A 07 - 3 H M x x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"3H" SERIAL ATA 3.0 TYPE

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

"W" WHITE

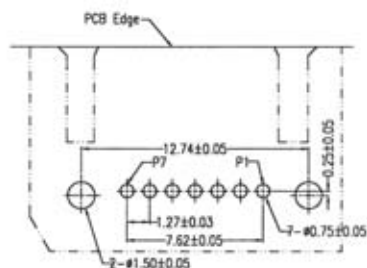
5. CONTACT FINISH:

"01" GOLD FLASH

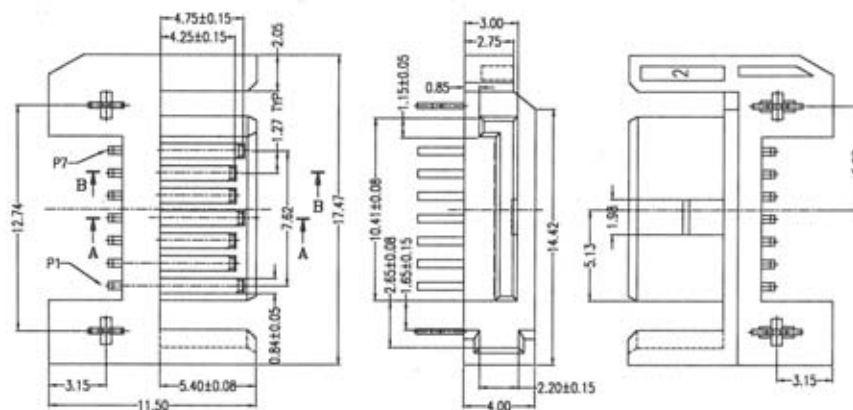
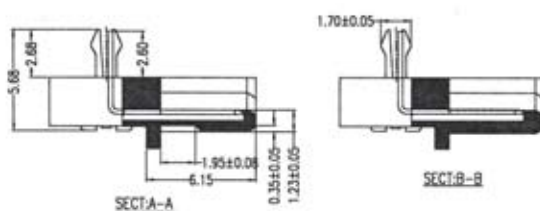
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout
Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 07 - A1 M R x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"A1" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"R" RED 187C

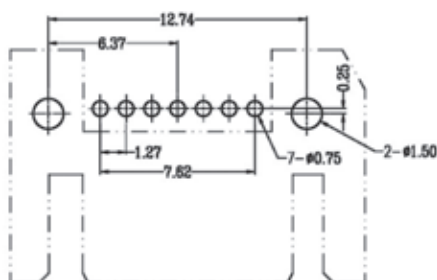
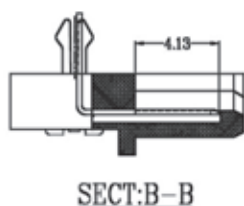
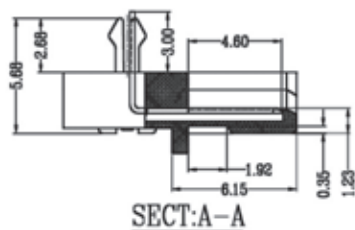
5. CONTACT FINISH:

"01" GOLD FLASH

"05" 05 MICROINCH GOLD

"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

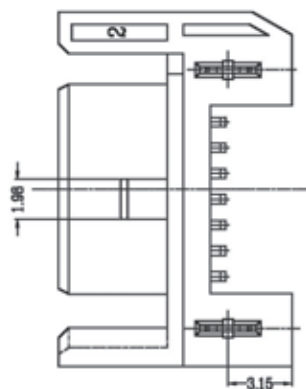
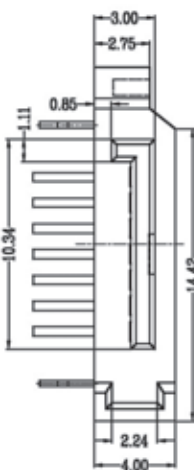
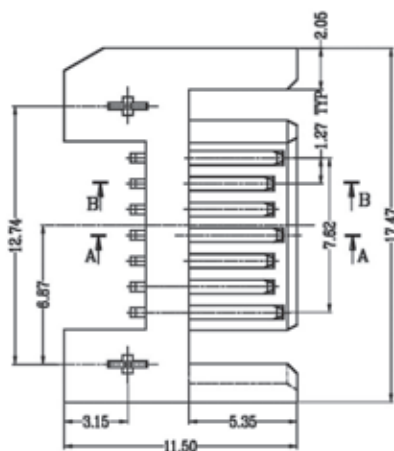
MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N S A T A 07 - A2 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"A2" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

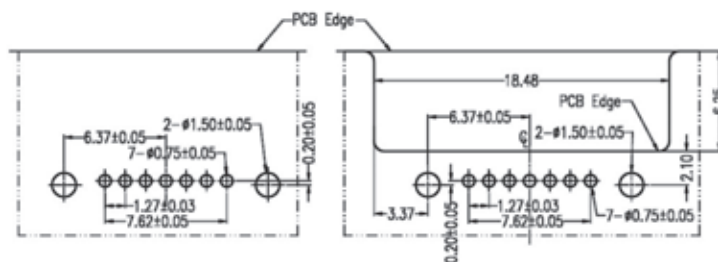
5. CONTACT FINISH:

"01" GOLD FLASH

"05" 05 MICROINCH GOLD

"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR REVERSE MOUNT RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Top View (Solder Length 3.64)

Recommended P.C.Board Layout
Top View (Solder Length 2.60)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

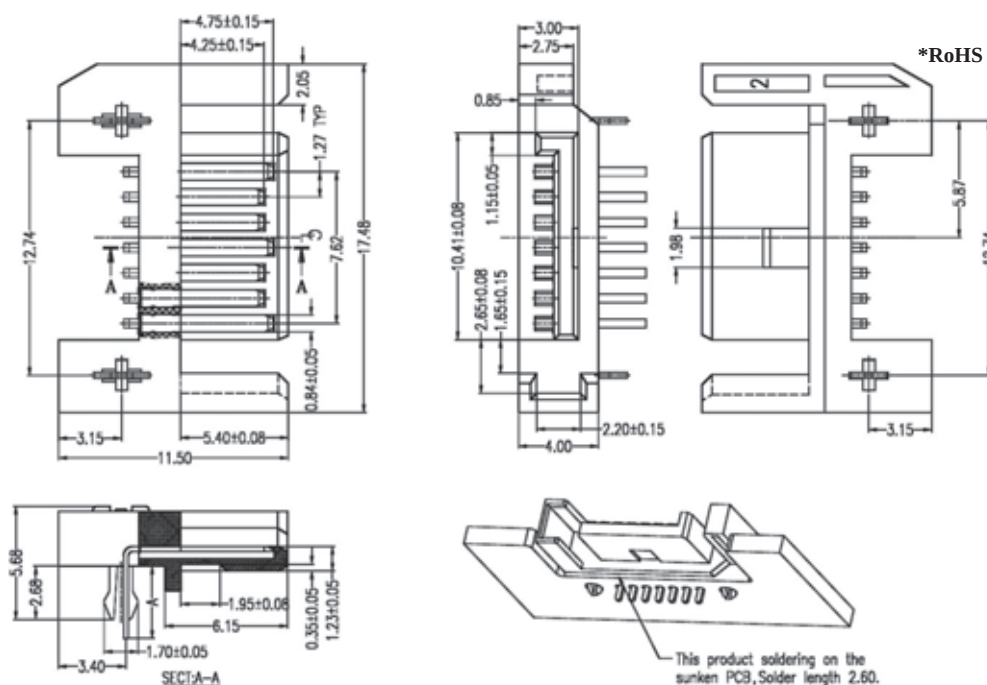
MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

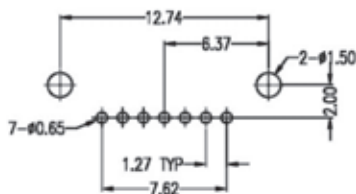


ORDERING INFORMATION:

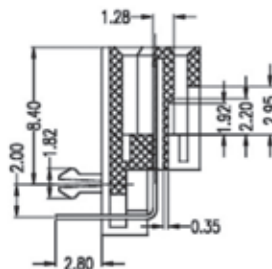
P/N S A T A 07 - x x M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"A3" DIM. A=2.60MM SATA FOR CARD
"A4" DIM. A=3.64MM SATA FOR CARD
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

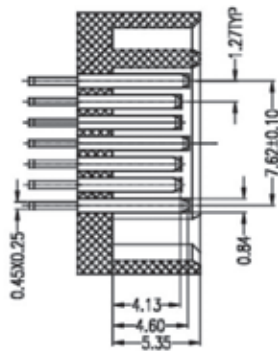
SERIAL ATA (SATA) 7 PIN MALE CONNECTOR RIGHT ANGLE DIP TYPE



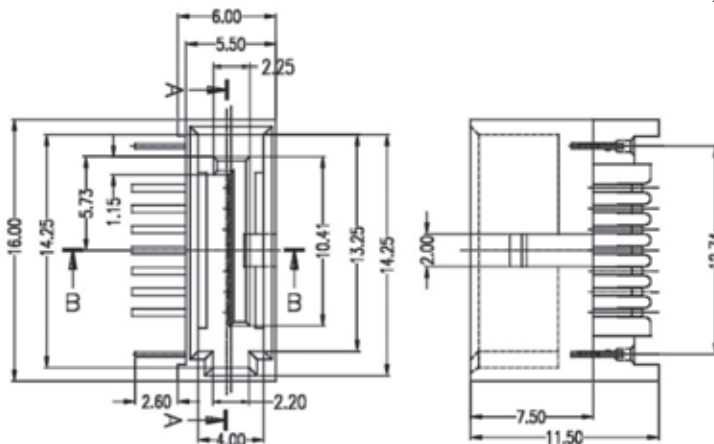
Recommended P.C.Board Layout



SECTION B-B



SECTION A-A



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 0 7 - A 5 M B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"A5" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

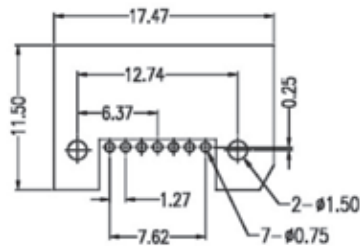
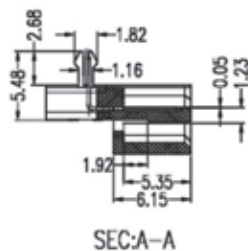
5. CONTACT FINISH:

"01" GOLD FLASH

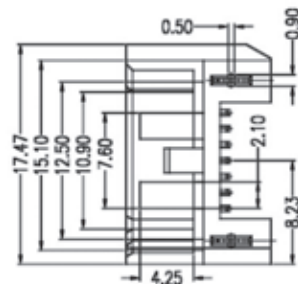
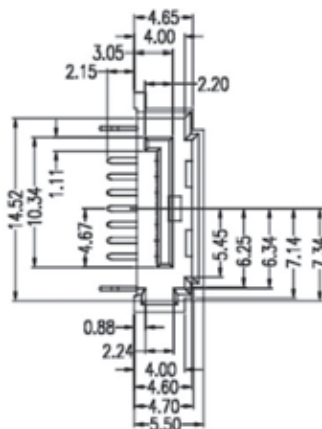
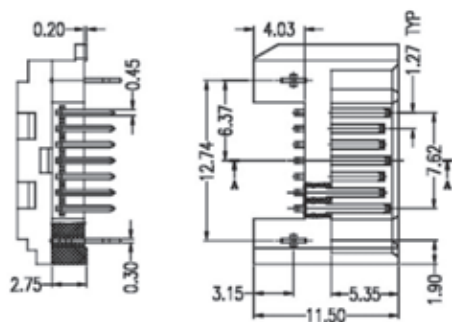
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR HALF SHIELD DOUBLE HOLE R/A DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

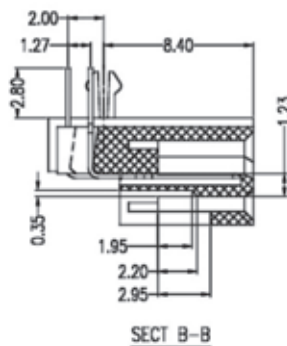
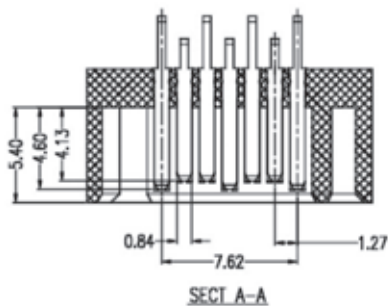
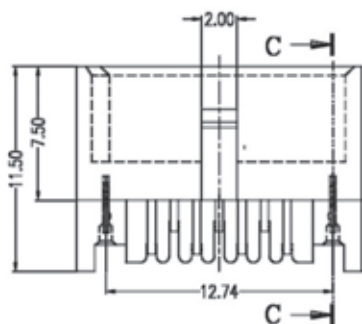
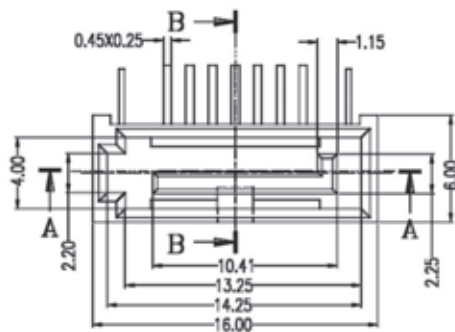
***RoHS & REACH compliant.**

ORDERING INFORMATION:

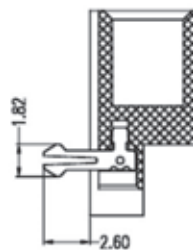
P/N S A T A 07 - A7 M x x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"A7" SEMI BOX DOUBLE HOLE DIP TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
"Y" YELLOW
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

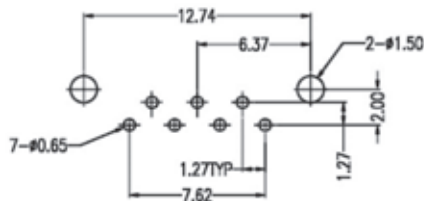
SERIAL ATA (SATA) 7 PIN MALE CONNECTOR DOUBLE ROW RIGHT ANGLE DIP TYPE



SECT B-B



SECT C-C



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 0 7 - A 8 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"A8" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

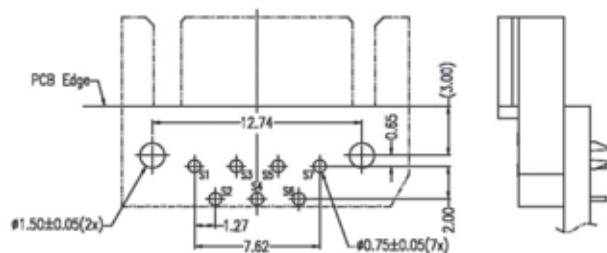
5. CONTACT FINISH:

"01" GOLD FLASH

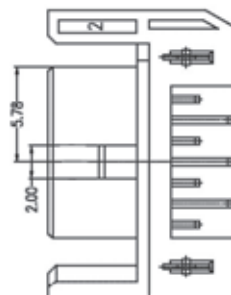
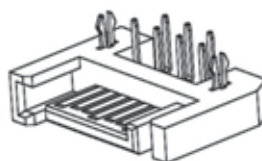
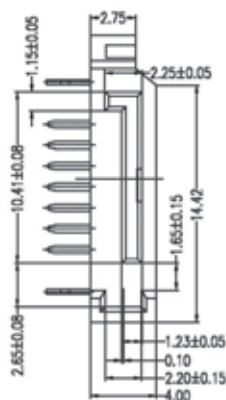
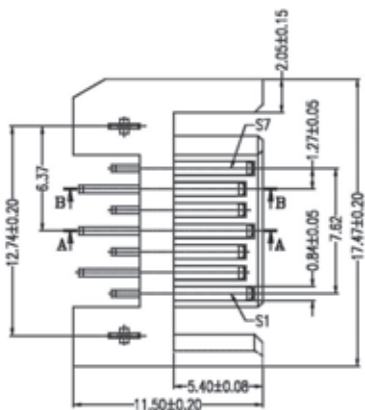
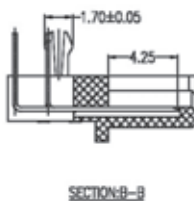
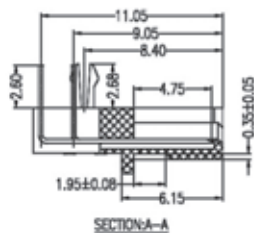
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR DOUBLE ROW RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



Pin	SIGNAL NAME
S1	GND
S2	AT+
S3	AT-
S4	GND
S5	AT+
S6	AT-
S7	GND

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: LCP, UL94V-0

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 07 - A9 M B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"A9" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

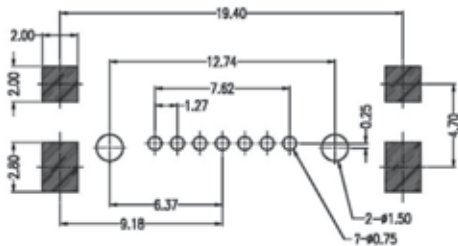
5. CONTACT FINISH:

"01" GOLD FLASH

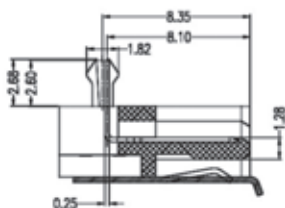
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

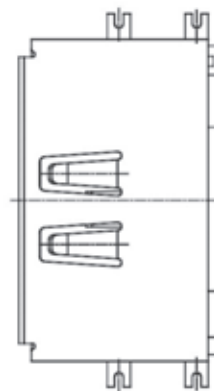
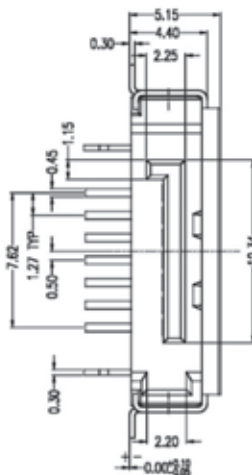
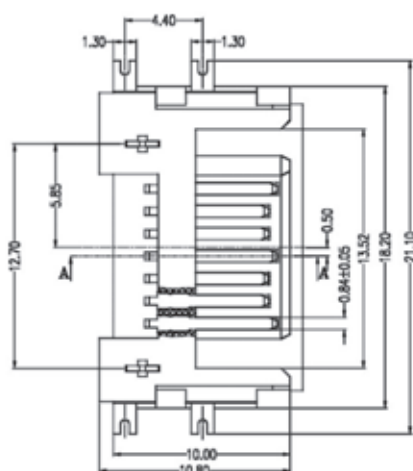
SERIAL ATA (SATA) 7 PIN MALE CONNECTOR IRION HULL R/A DIP TYPE



Recommended P.C.Board Layout



SECT A-A



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 07 - C2 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"C2" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

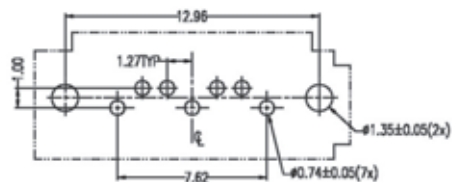
"01" GOLD FLASH

"05" 05 MICROINCH GOLD

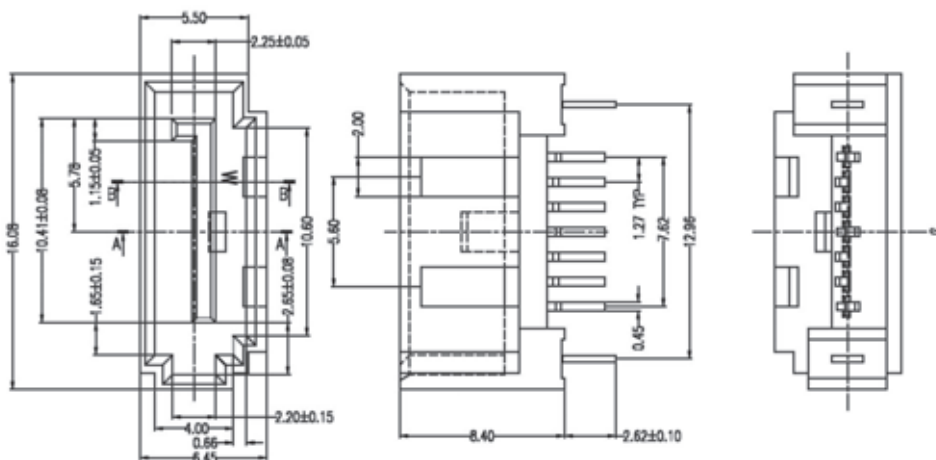
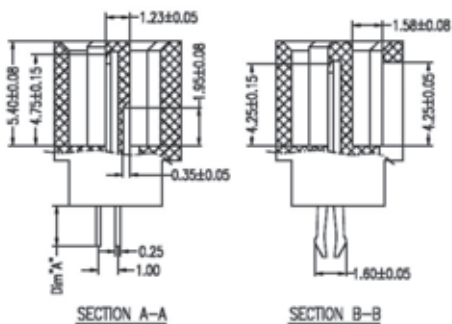
"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000M Ω Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30m Ω Max.

Operating Temperature: -55 $^{\circ}$ C to +125 $^{\circ}$ C

MATERIALS

Contact Material: Brass

Insulator: NY6T, UL94V-0

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 07 - x x M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"H1" DIM. A=2.15~2.25MM FOR MOTHER

"H2" DIM. A=3.30MM FOR MOTHER

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

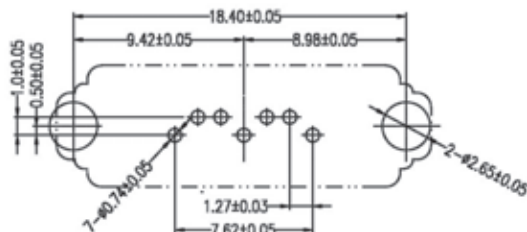
5. CONTACT FINISH:

"01" GOLD FLASH

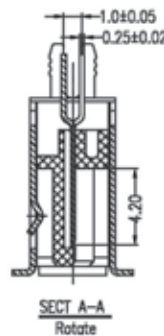
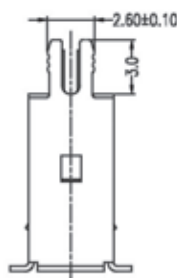
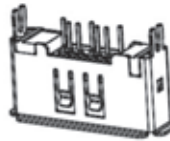
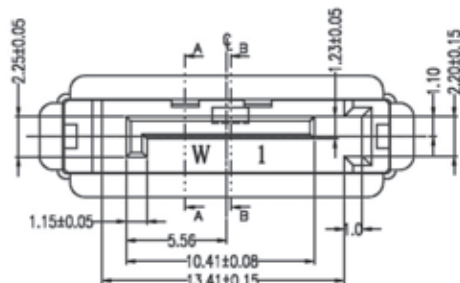
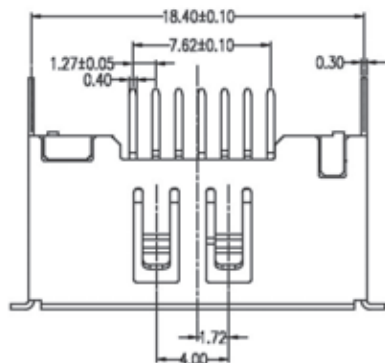
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

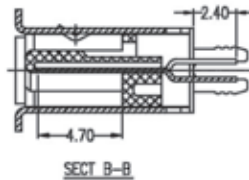
SERIAL ATA (SATA) 7 PIN MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Top View (T=1.60mm)



SECT A-A
Rotate



SECT B-B

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

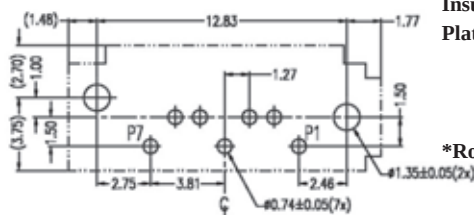
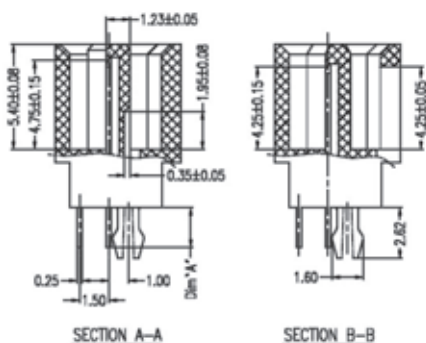
*RoHS & REACH compliant.

ORDERING INFORMATION:

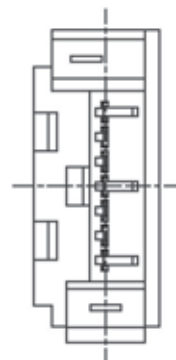
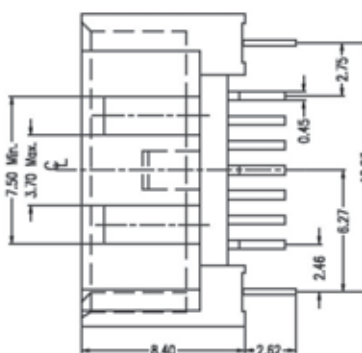
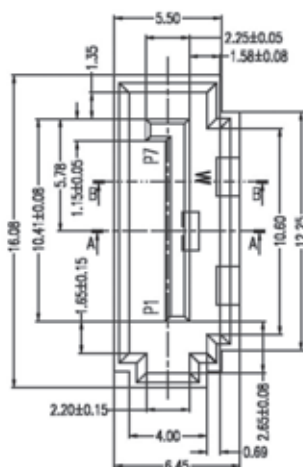
P/N S A T A 07 - H4 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"H4" SATA SHELL VERTICAL PLUG
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: NY6T, UL94V-0

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

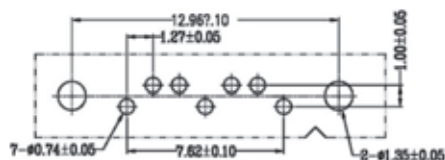
***RoHS & REACH compliant.**

ORDERING INFORMATION:

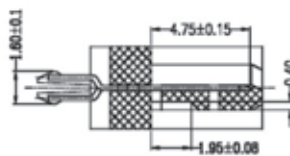
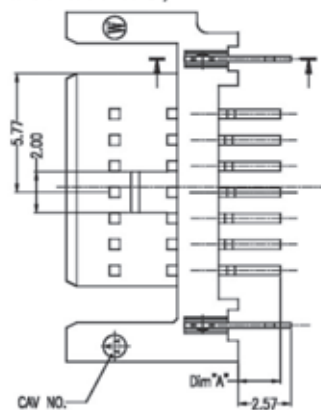
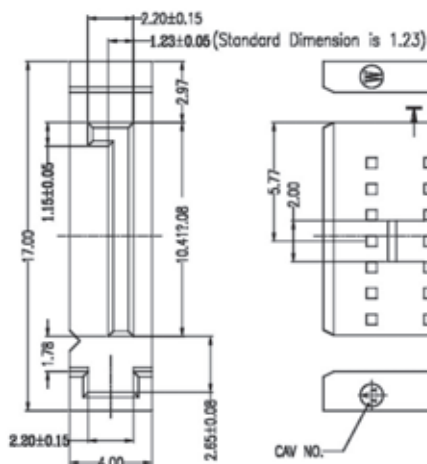
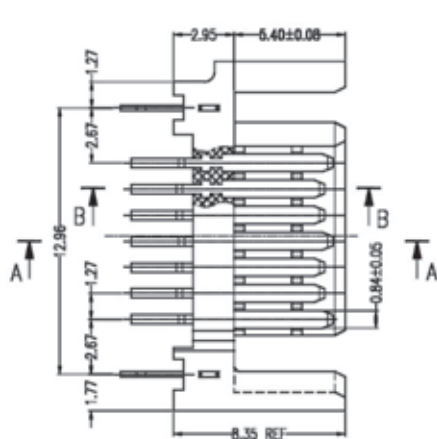
P/N S A T A 0 7 - x x M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"H5" DIM. A=2.15~2.30MM FOR MOTHER
"H6" DIM. A=2.80MM FOR MOTHER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

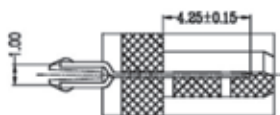
SERIAL ATA (SATA) 7 PIN MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Top View



SECTION A-A



SECTION B-B

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 0 7 - x x M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"H7" DIM. A=2.05MM FOR MOTHER

"H8" DIM. A=3.30MM FOR MOTHER

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

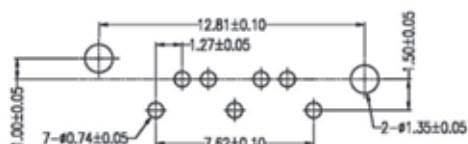
"01" GOLD FLASH

"05" 5 MICROINCH GOLD

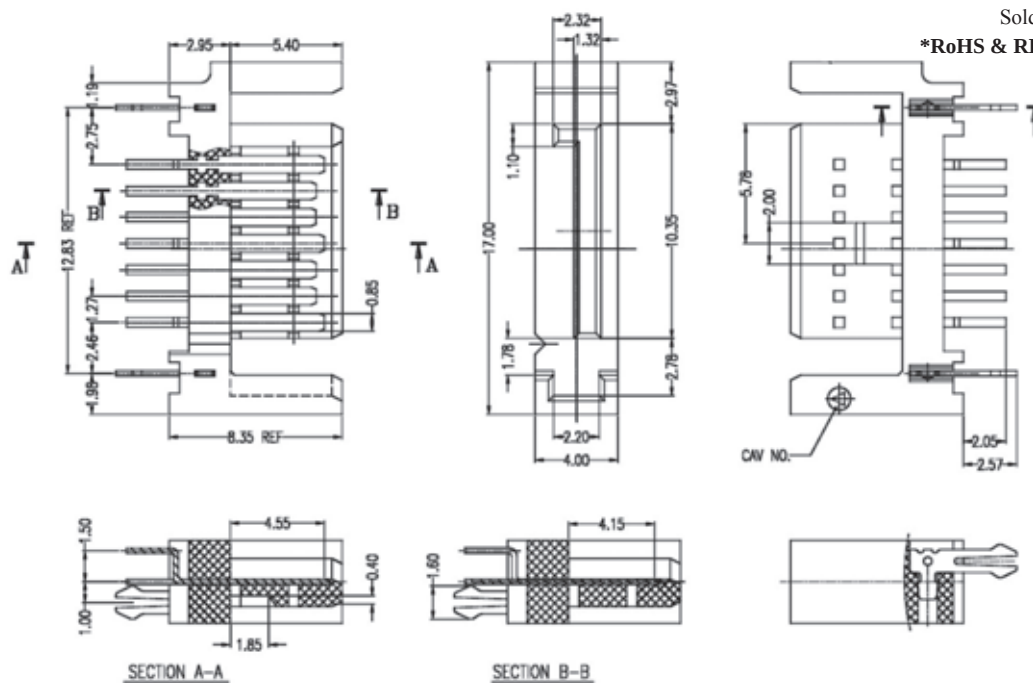
"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

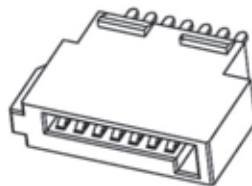
***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 0 7 - H 9 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"H9" SATA FOR MOTHER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN FEMALE CONNECTOR CABLE SOLDER TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000M Ω Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30m Ω Max.

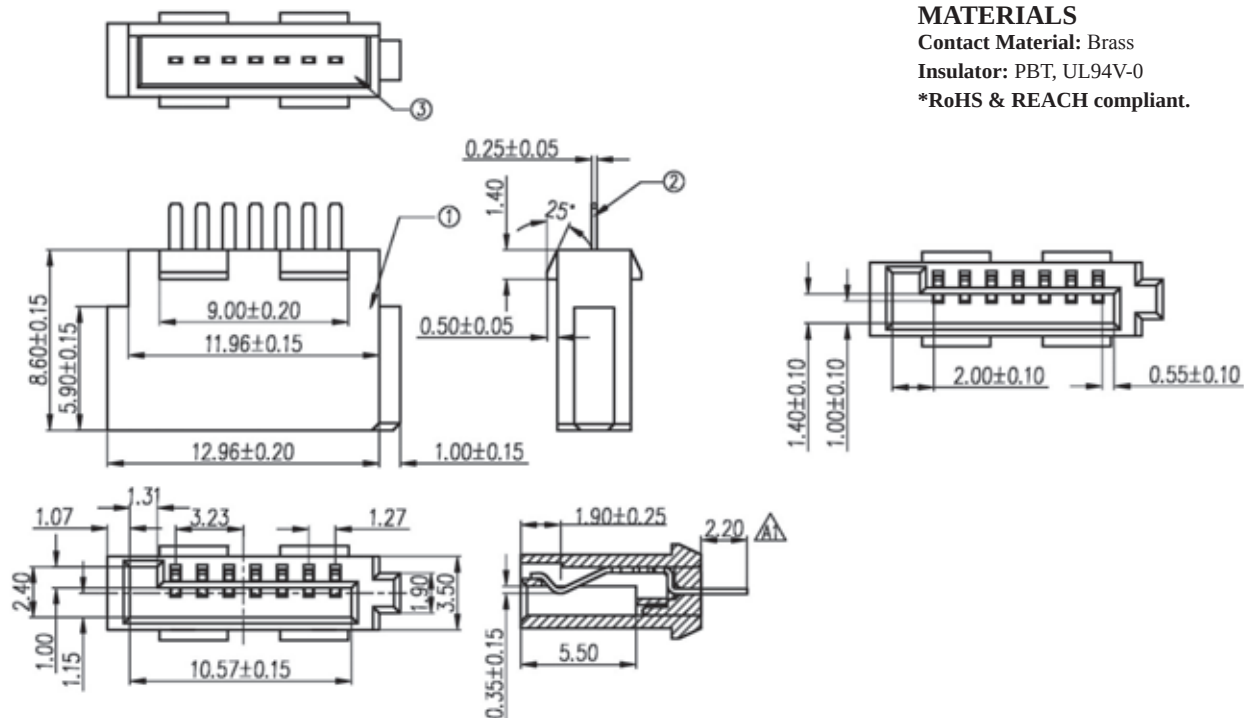
Operating Temperature: -55°C to +125°C

MATERIALS

Contact Material: Brass

Insulator: PBT, UL94V-0

*RoHS & REACH compliant.

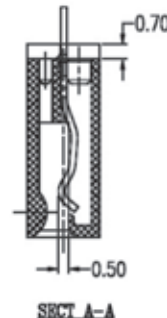
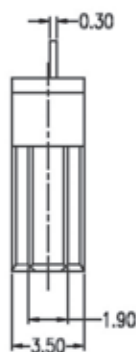
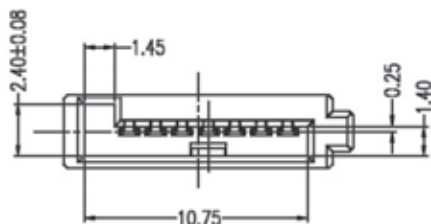
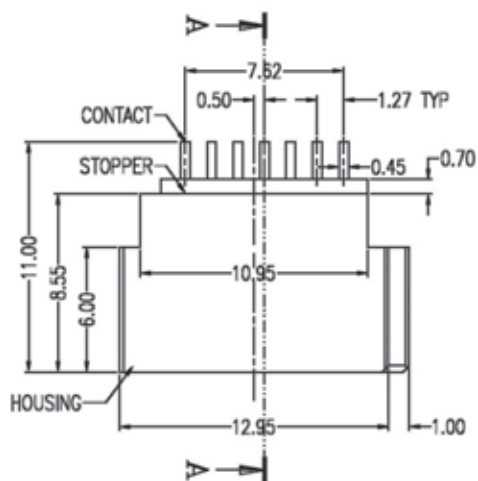
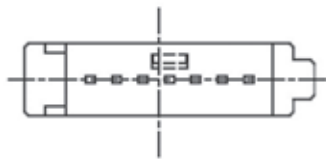


ORDERING INFORMATION:

P/N S A T A 07 - N1 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"N1" SATA FOR CABLE ASSEMBLY
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR CABLE SOLDER TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Terminal

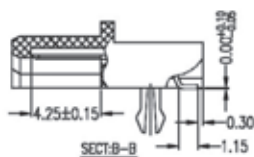
***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 07 - N2 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"N2" SATA FOR CABLE ASSEMBLY
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR SMT TYPE



Signal Name	Segment Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

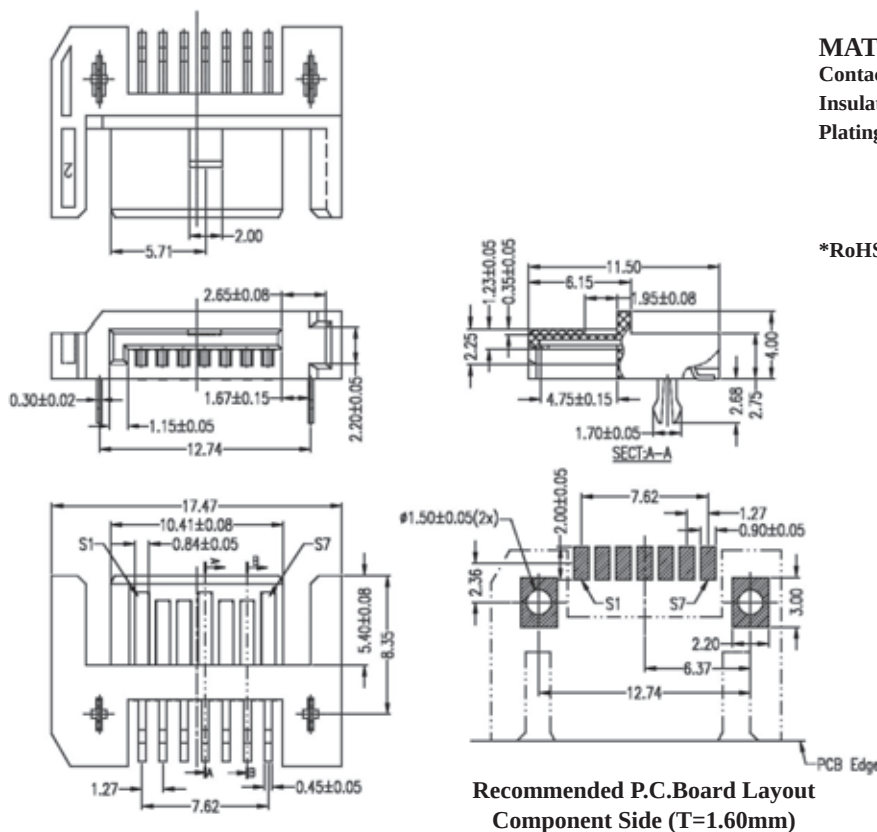
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**



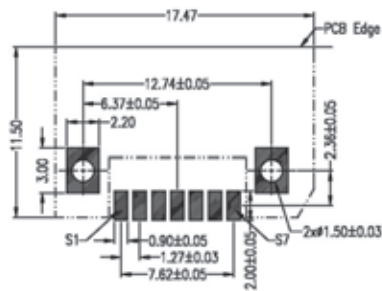
Recommended P.C.Board Layout
Component Side (T=1.60mm)

ORDERING INFORMATION:

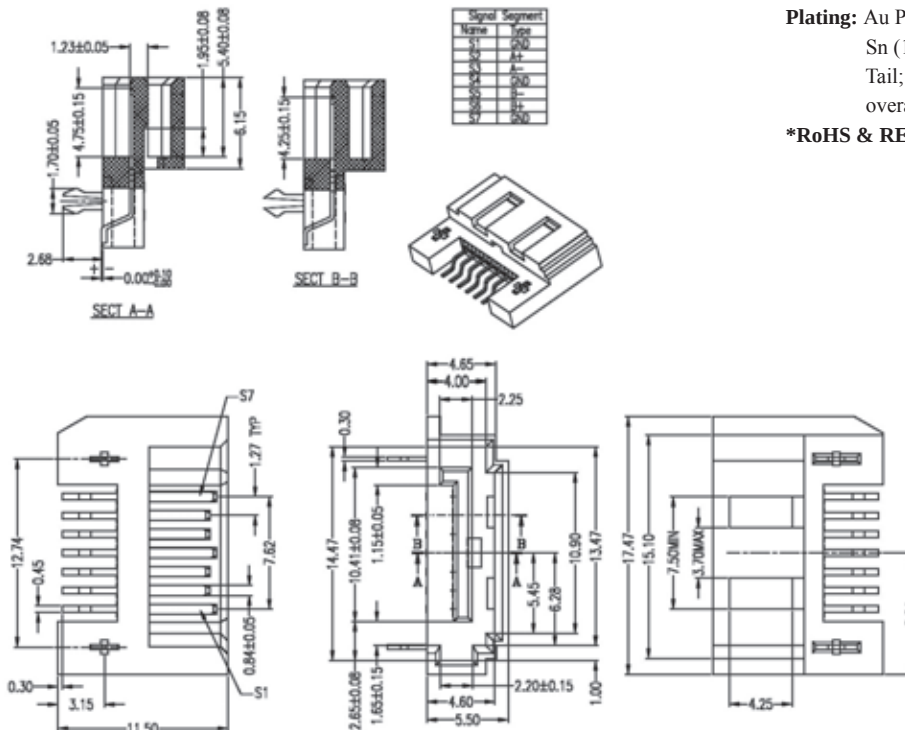
P/N S A T A 0 7 - S 1 M x x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"S1" STANDARD SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
"W" WHITE
5. CONTACT FINISH:
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR LIE SEMI BOX DOUBLE HOLE SMT TYPE



**Recommended P.C. Board Layout
Component Side (T=1.60mm)**



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: NY6T, UL94V-0

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 0 7 - S 2 M x x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"S2" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

"W" WHITE

"U" BLUE 286U

"R" RED 187C

"N" GREEN 339C

"Y" YELLOW 810C

5. CONTACT FINISH:

"01" GOLD FLASH

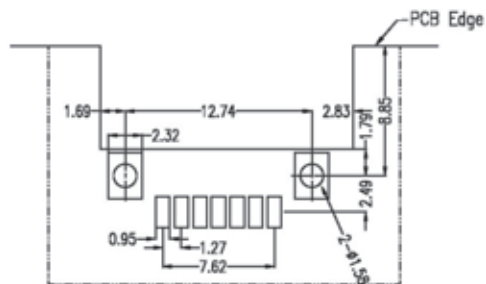
"05" 5 MICROINCH GOLD

"10" 10 MICROINCH GOLD

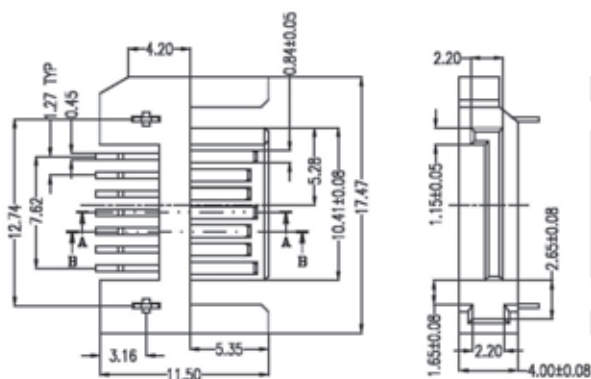
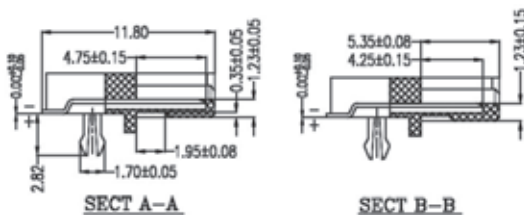
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

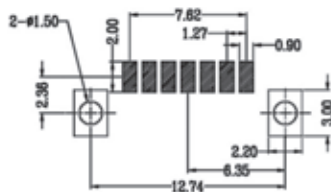
***RoHS & REACH compliant.**

ORDERING INFORMATION:

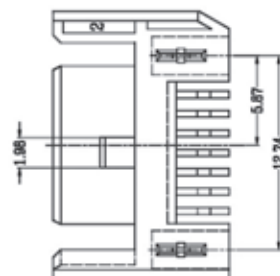
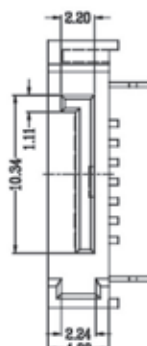
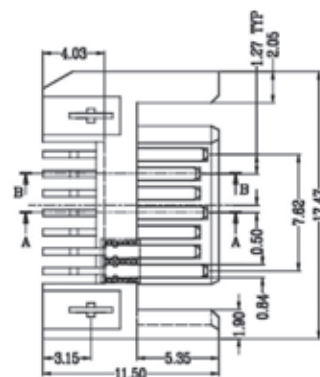
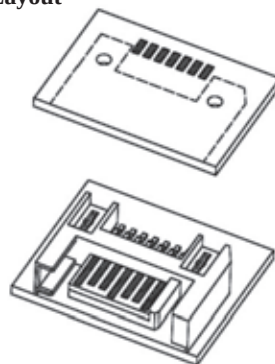
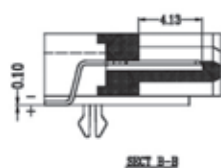
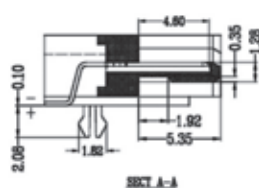
P/N S A T A 07 - S3 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"S5" SATA FOR CARD (UPPER CONTACT)
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000M Ω Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30m Ω Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 0 7 - S 4 M B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"S4" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

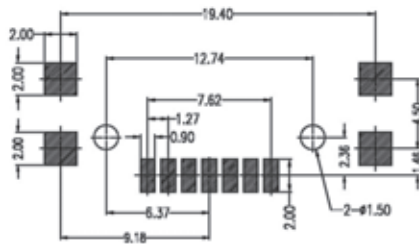
5. CONTACT FINISH:

"01" GOLD FLASH

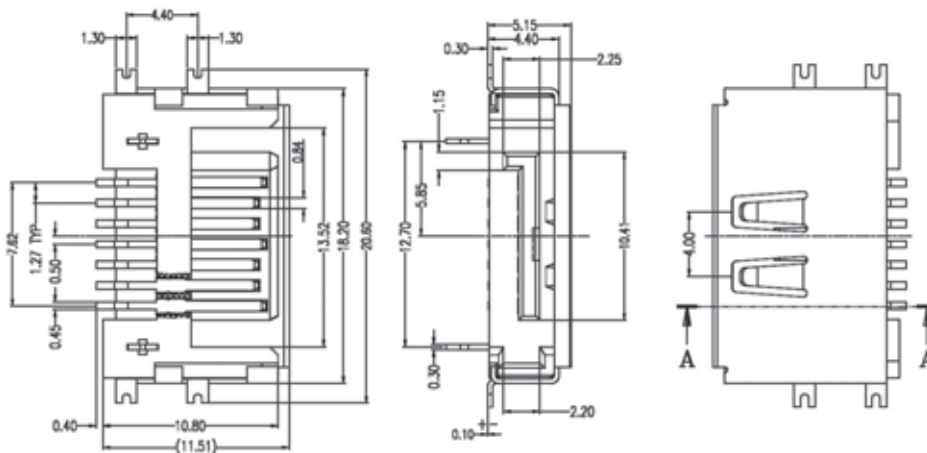
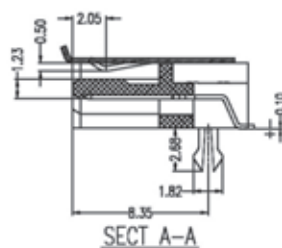
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

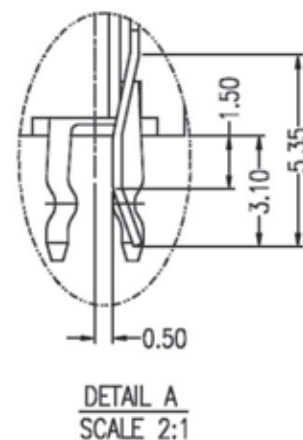
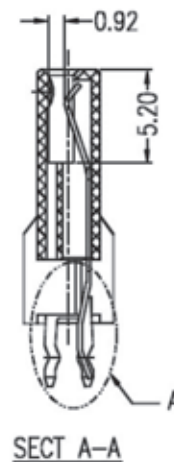
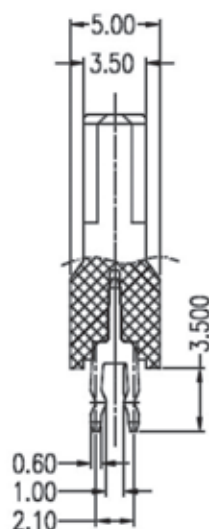
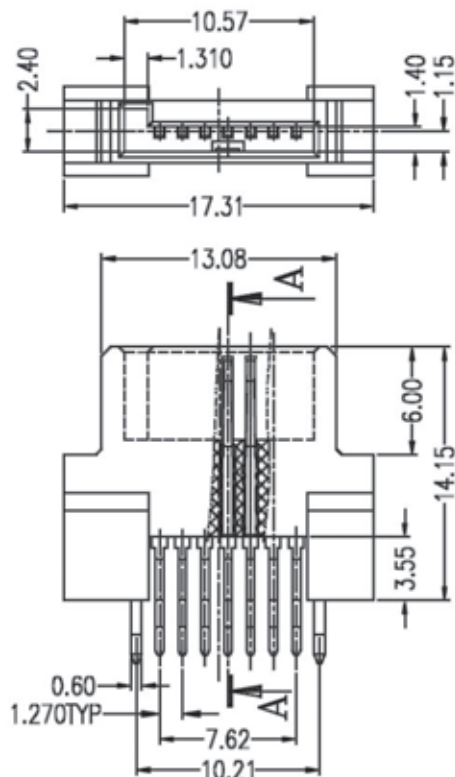
***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 0 7 - S 5 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"S5" SATA FOR CARD
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN FEMALE CONNECTOR STRADDLE TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

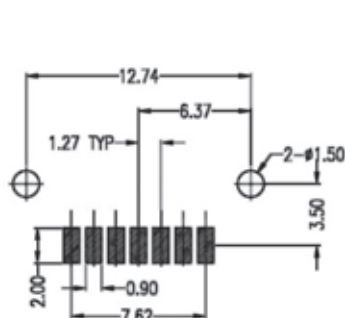
***RoHS & REACH compliant.**

ORDERING INFORMATION:

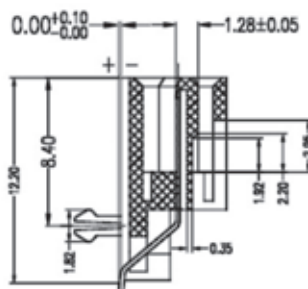
P/N S A T A 07 - S6 F B xx
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"S6" SATA FOR MOTHER
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

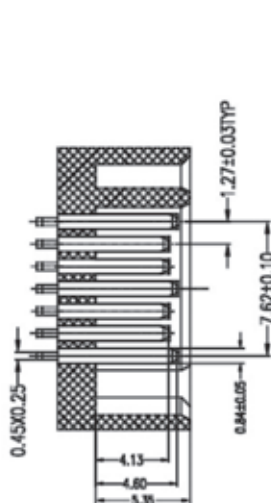
SERIAL ATA (SATA) 7 PIN MALE CONNECTOR CONTACT DOWN SMT TYPE



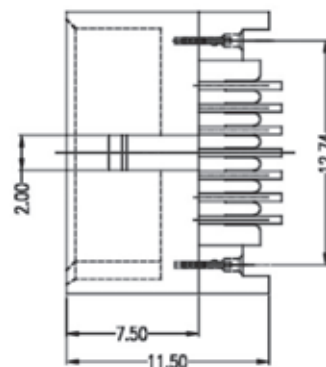
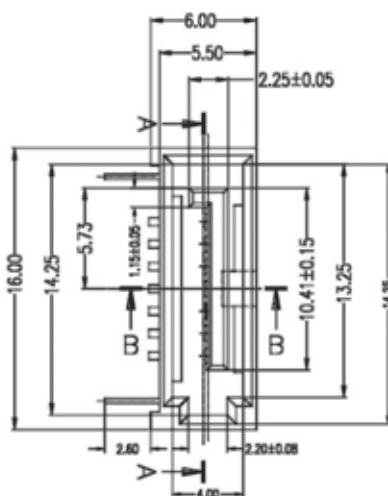
Recommended P.C. Board Layout



SECTION B-B



SECTION A-A



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 07 - S8 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"S8" SATA FOR CARD

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

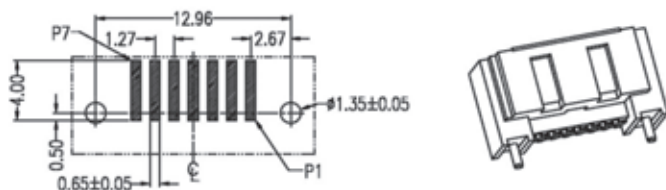
"01" GOLD FLASH

"05" 5 MICROINCH GOLD

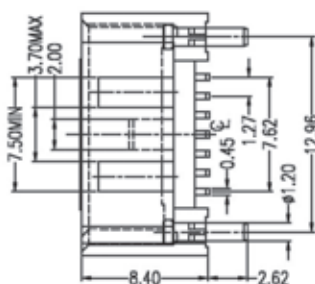
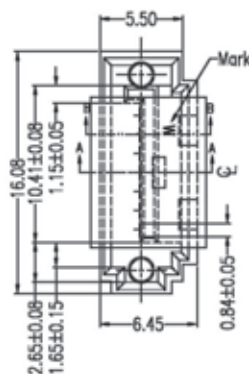
"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



Signal Name	Segment Type
P1	GND
P2	A+
P3	A-
P4	GND
P5	B-
P6	B+
P7	GND

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: Nylon6T, UL94V-0

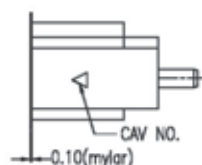
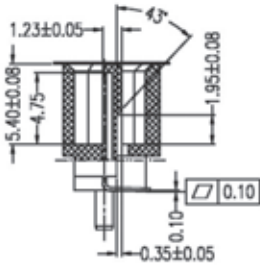
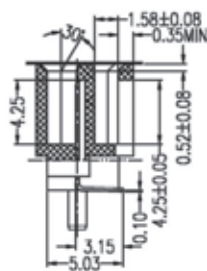
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N S A T A 07 - S9 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"S9" SATA FOR MOTHER

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

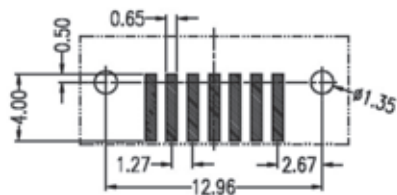
5. CONTACT FINISH:

"01" GOLD FLASH

"05" 5 MICROINCH GOLD

"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD



Recommended P.C.Board Layout (T=1.60mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

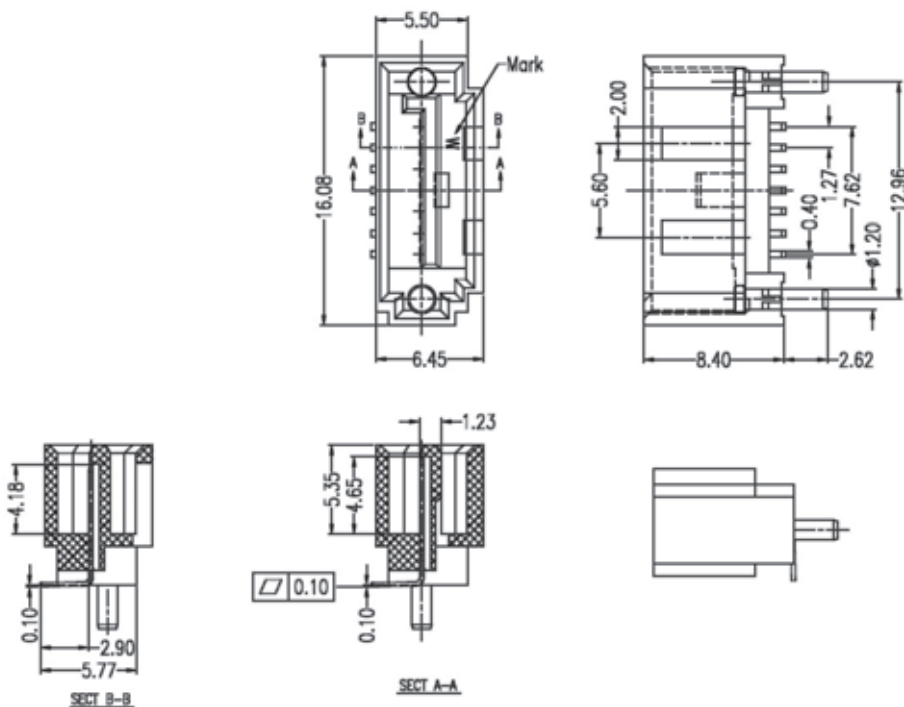
MATERIALS

Contact Material: Brass

Insulator: NY6T, UL94V-0

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

***RoHS & REACH compliant.**

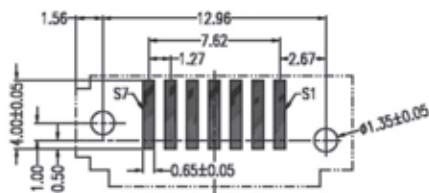


ORDERING INFORMATION:

P/N SATA
07-T1Mxxx
1 2 3 4 5

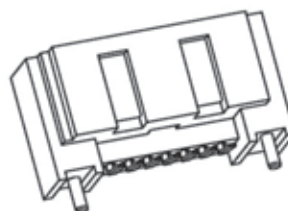
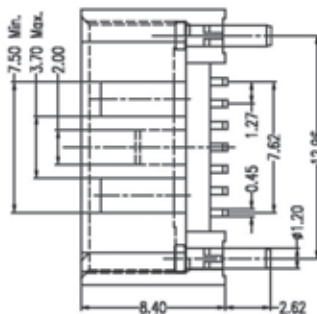
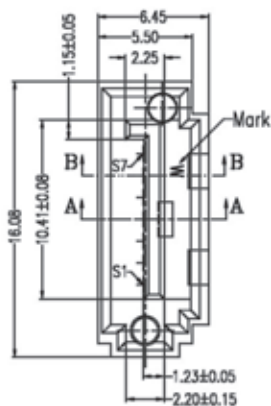
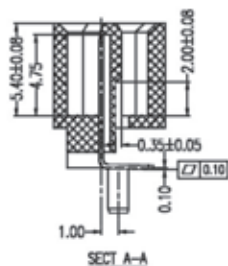
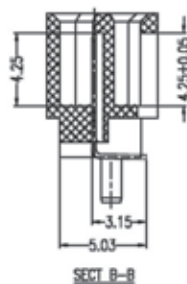
1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T1" SATA FOR MOTHER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
"U" BLUE
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)

PIN	SIGNAL NAME
S1	GND
S2	A+
S3	A-
S4	GND
S5	B+
S6	B-
S7	GND



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: NY6T, UL94V-0

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

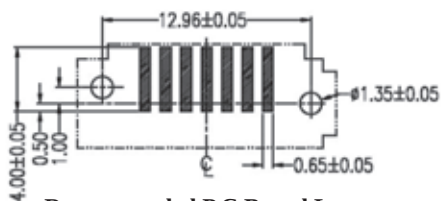
***RoHS & REACH compliant.**

ORDERING INFORMATION:

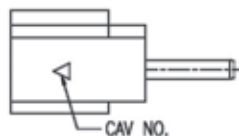
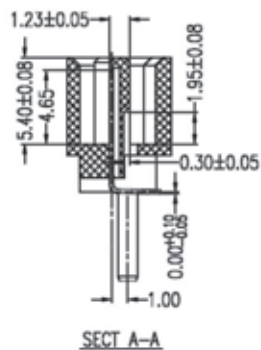
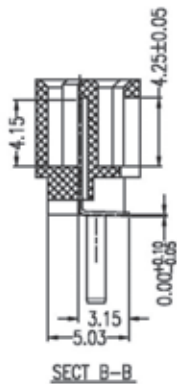
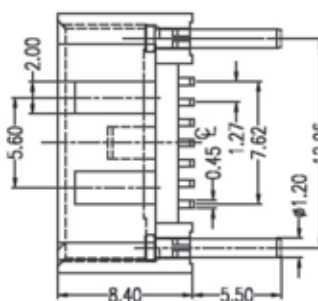
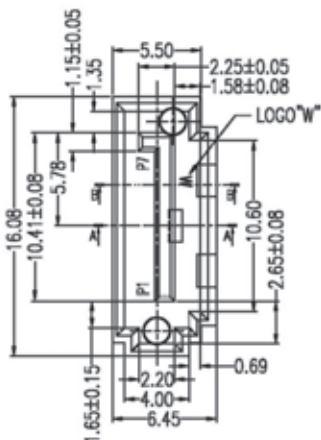
P/N S A T A 0 7 - T 2 M x x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T2" SATA FOR MOTHER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
"U" BLUE
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Brass

Insulator: NY6T, UL94V-0

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on
Solder Tail

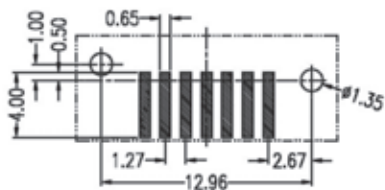
***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 07 - T3 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T3" SATA FOR MOTHER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout (T=1.60mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

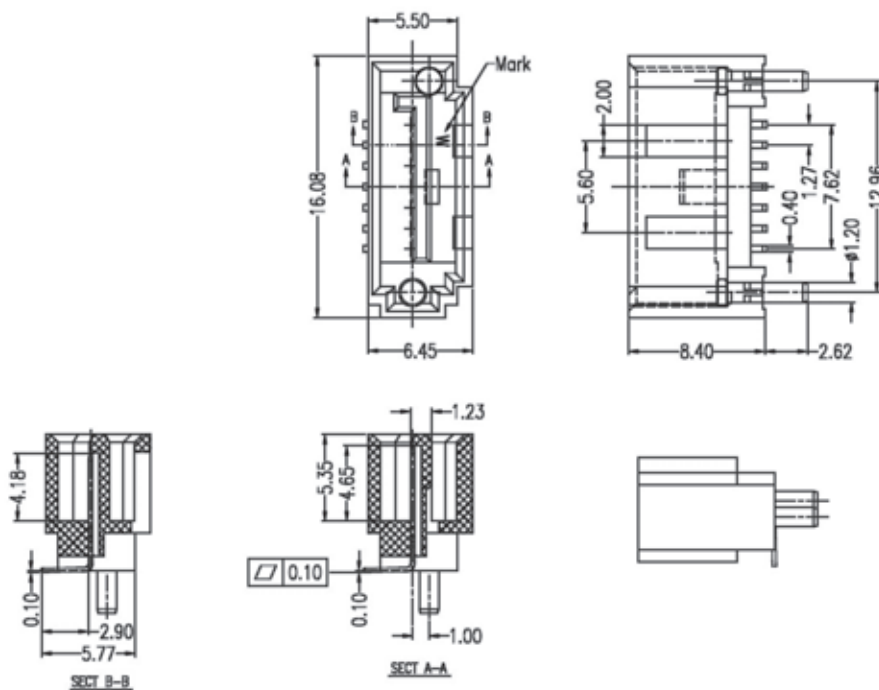
MATERIALS

Contact Material: Brass

Insulator: NY6T, UL94V-0

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

***RoHS & REACH compliant.**

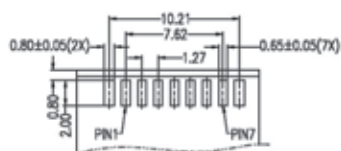
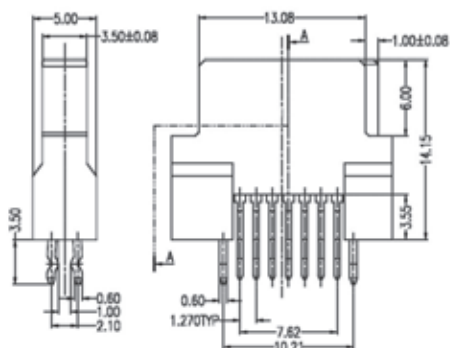
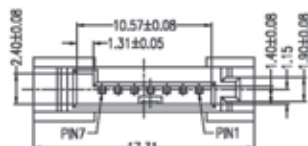
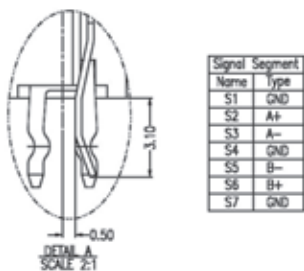


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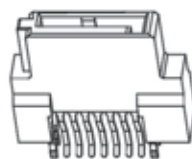
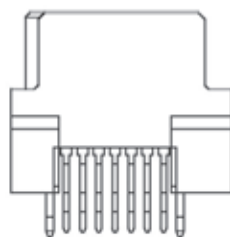
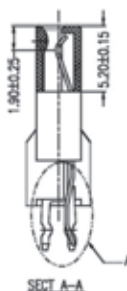
P/N SATA
07-T4Mxxx
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T4" SATA FOR MOTHER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
"U" BLUE
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7 PIN FEMALE CONNECTOR HIGH PROFILE STRADDLE TYPE



Recommended P.C.Board Layout
Component Side (T=1.00mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

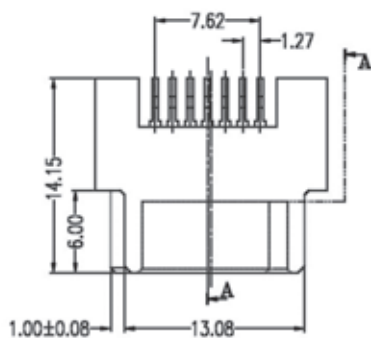
***RoHS & REACH compliant.**

ORDERING INFORMATION:

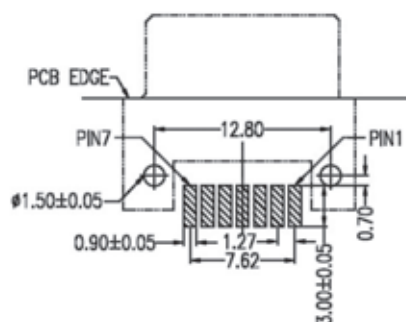
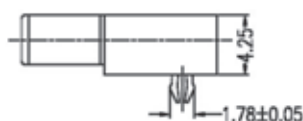
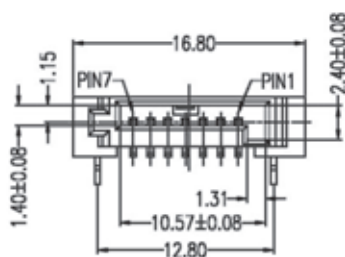
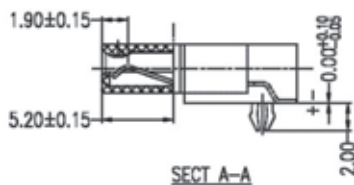
P/N S A T A 07 - T5 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T5" FEMALE SATA FOR MOTHER
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

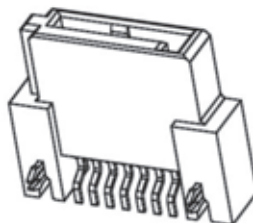
SERIAL ATA (SATA) 7 PIN FEMALE CONNECTOR SMT TYPE



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND



Recommended P.C.Board Layout
Top View (T=0.8mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Contact Material: Phosphor Bronze

Insulator: LCP, UL94V-0

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

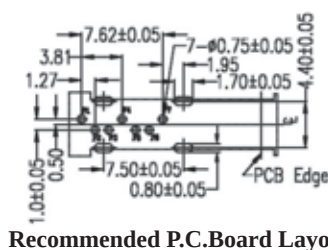
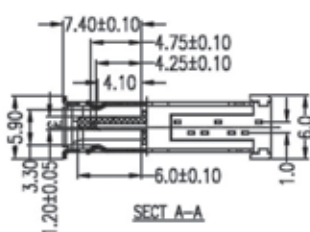
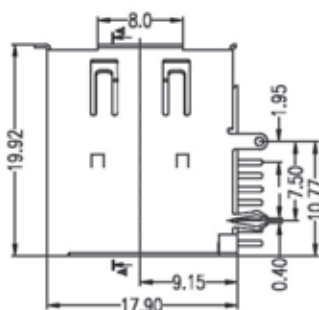
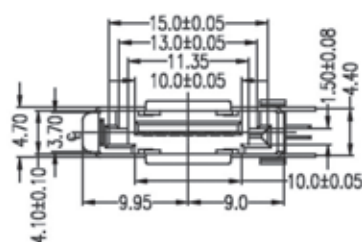
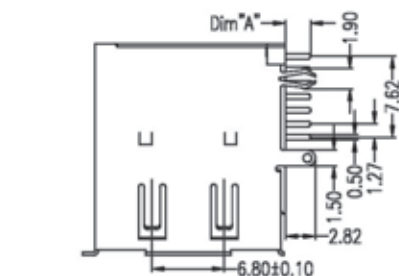
***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 07 - T6 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T6" FEMALE SATA SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR UPRIGHT DIP TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

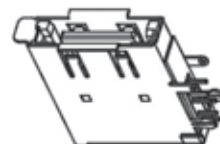
Housing: Nylon 46, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

Pin Number	Signal Name
S1	GND
S2	RX+
S3	RX-
S4	GND
S5	TX-
S6	TX+
S7	GND



ORDERING INFORMATION:

P/N S A T A 07 - x x M x x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"B1" DIM.A=3.10MM

"B2" DIM.A=2.35MM

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

"Y" YELLOW 810C

"R" RED 187C

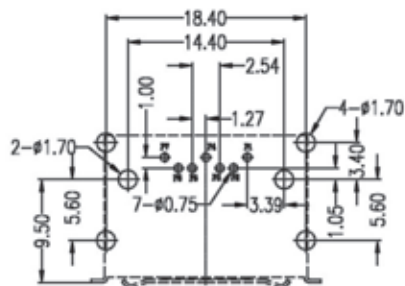
5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

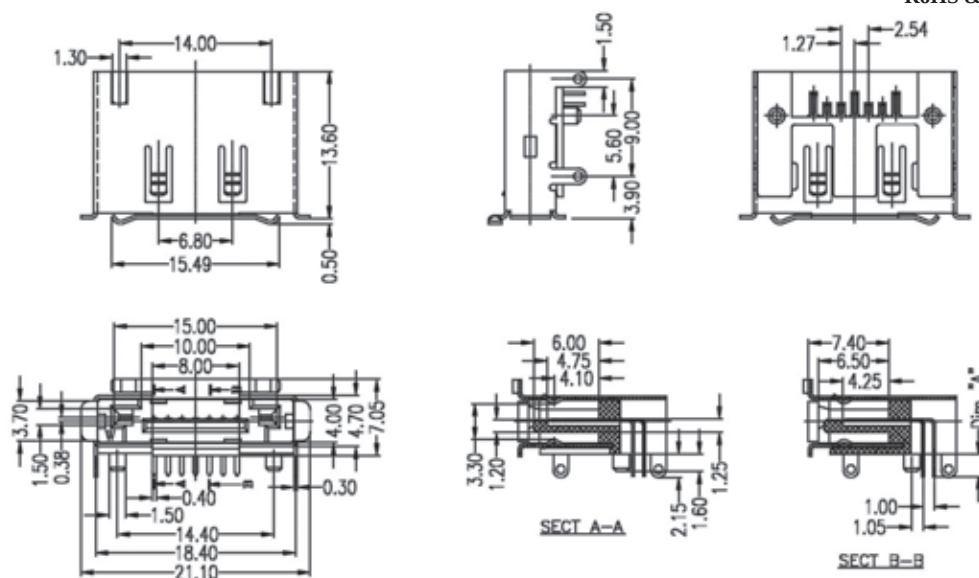
MATERIALS

Housing: Nylon 46, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N S A T A 07 - xx M xx x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"B3" DIM.A=3.10MM

"B4" DIM.A=2.05MM

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

"U" BLUE 2935U

"Y" YELLOW 810C

"R" RED 187C

5. CONTACT FINISH:

"01" GOLD FLASH

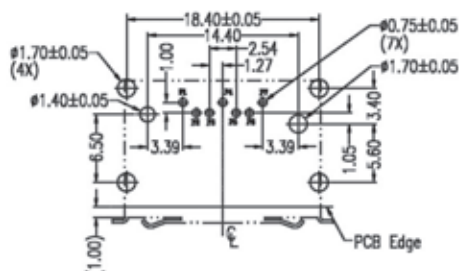
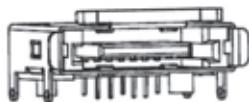
"05" 05 MICROINCH GOLD

"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR REVERSE MOUNT RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)

Signal Define	
Pin Number	Signal Name
P1	GND
P2	A+
P3	A-
P4	GND
P5	B-
P6	B+
P7	GND

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

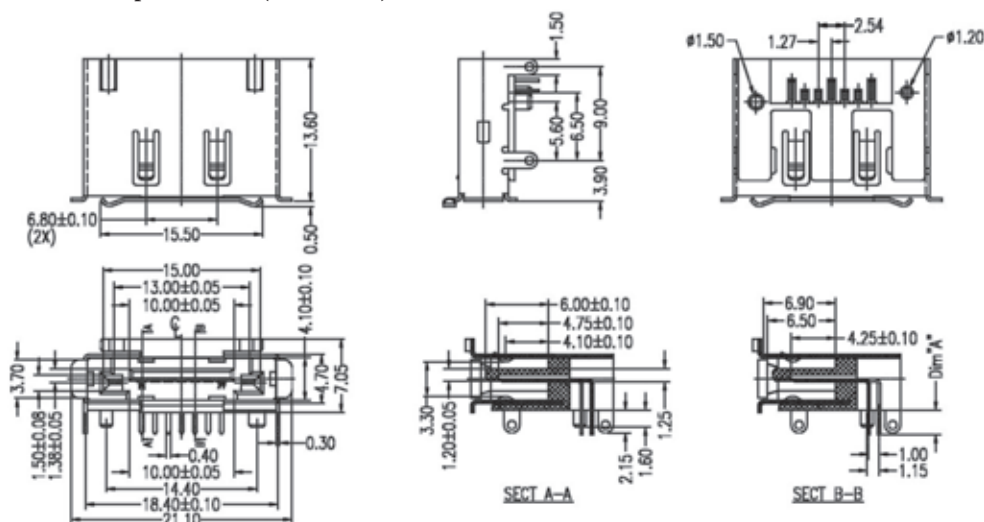
MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;
Sn (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N S A T A 0 7 - x x M B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"B5" DIM.A=3.10MM

"B6" DIM.A=2.30MM

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

"05" 05 MICROINCH GOLD

"10" 10 MICROINCH GOLD

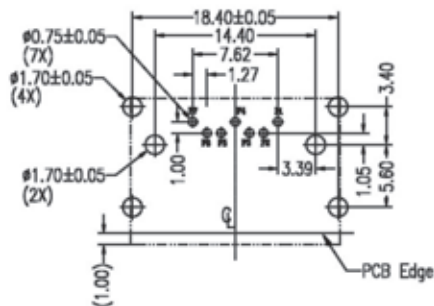
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

P/N S A T A 0 7 - x x M B x x
1 2 3 4 5

5. CONTACT FINISH:
 "01" GOLD FLASH
 "05" 05 MICROINCH GOLD
 "10" 10 MICROINCH GOLD
 "15" 15 MICROINCH GOLD
 "30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)

Pin Number	Signal Name
P1	GND
P2	A+
P3	A-
P4	GND
P5	B-
P6	B+
P7	GND

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

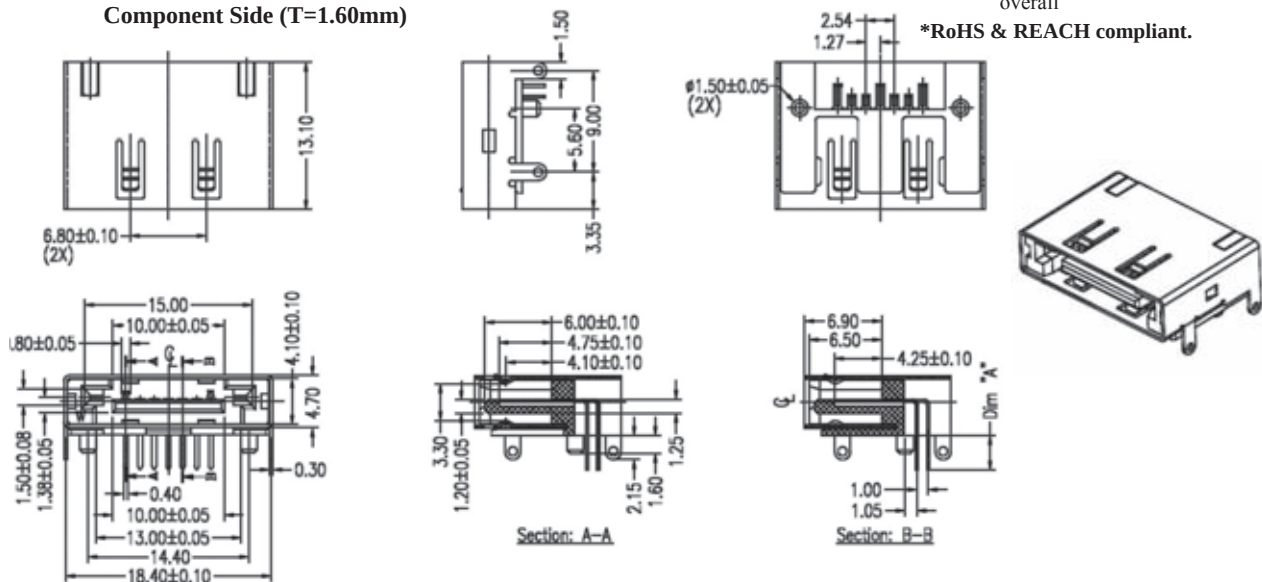
MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;
Sn (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N S A T A 0 7 - x x M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"B9" DIM.A=3.10MM

"C1" DIM.A=2.30MM

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

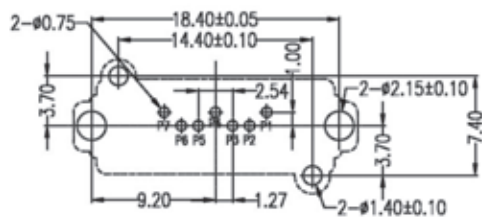
"05" 05 MICROINCH GOLD

"10" 10 MICROINCH GOLD

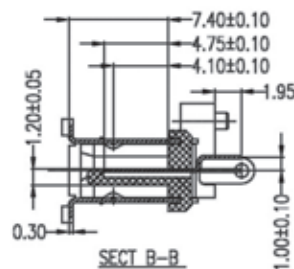
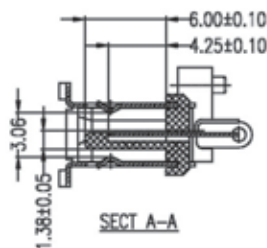
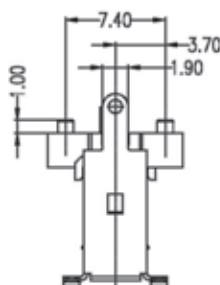
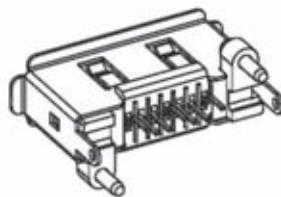
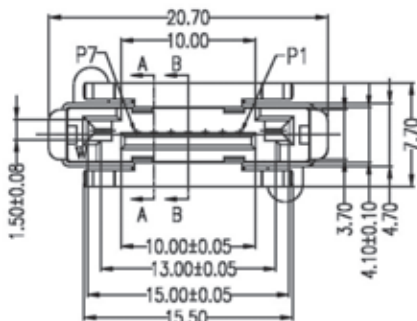
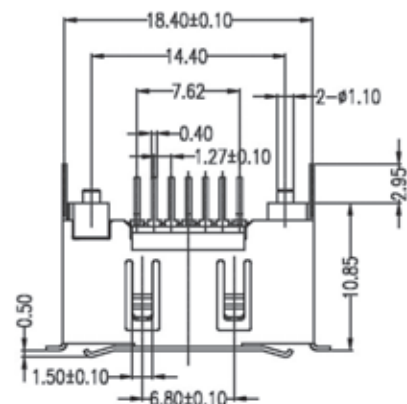
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

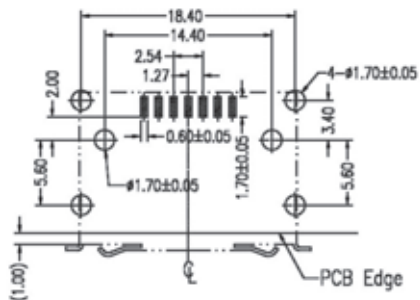
*RoHS & REACH compliant.

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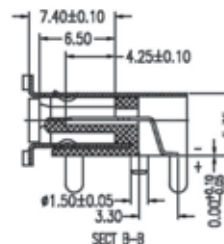
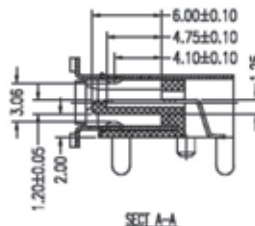
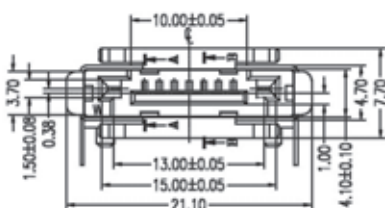
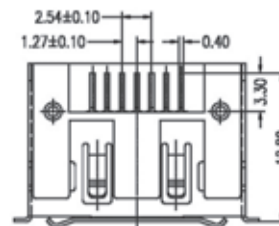
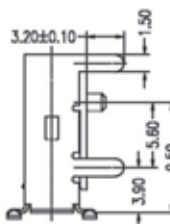
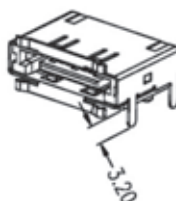
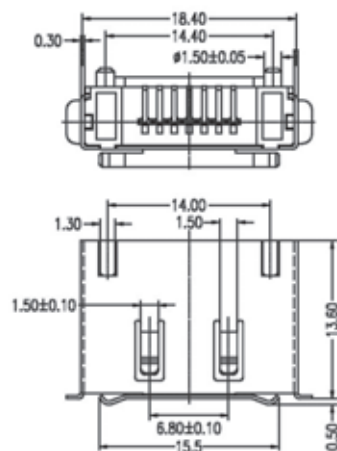
P/N S A T A 07 - H3 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"H3" eSATA STRAIGHT DIP TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

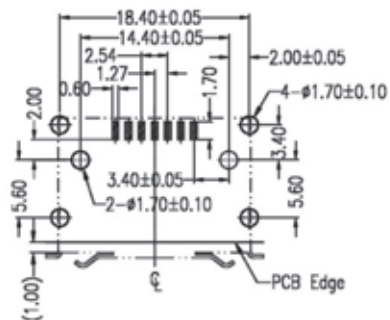
*RoHS & REACH compliant.

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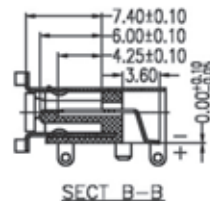
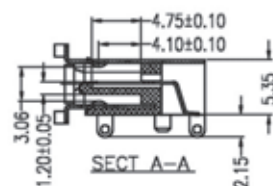
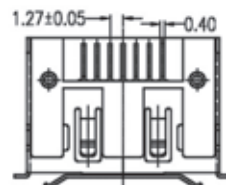
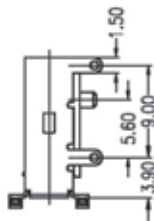
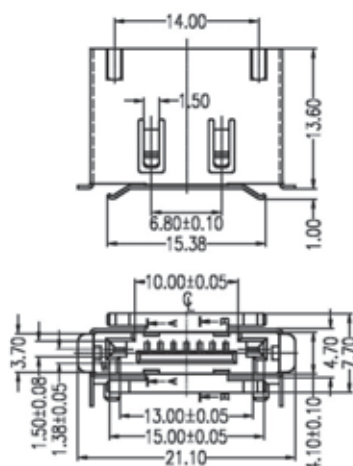
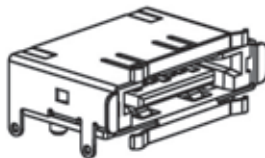
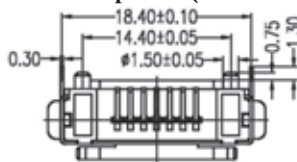
P/N S A T A 07 - T7 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T7" STANDARD SMT TYPE (3.20MM)
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

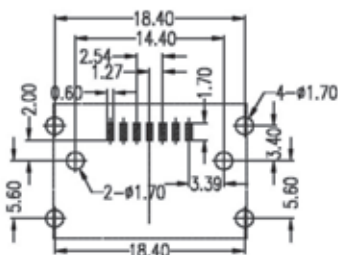
*RoHS & REACH compliant.

ORDERING INFORMATION:

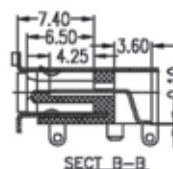
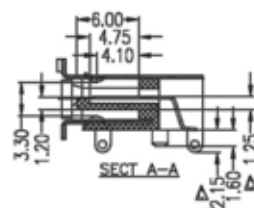
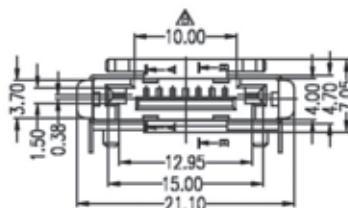
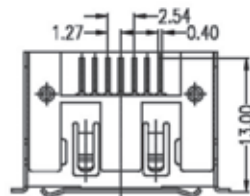
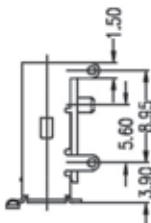
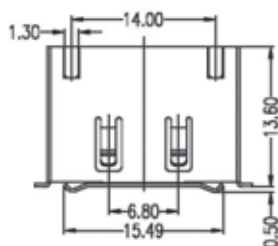
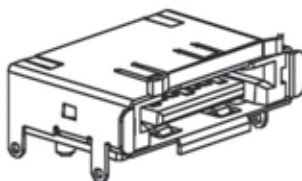
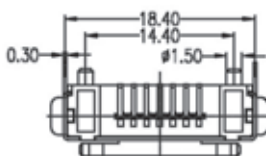
P/N S A T A 07 - T8 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T8" HIGH SPRING TYPE (HAI WAI)
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

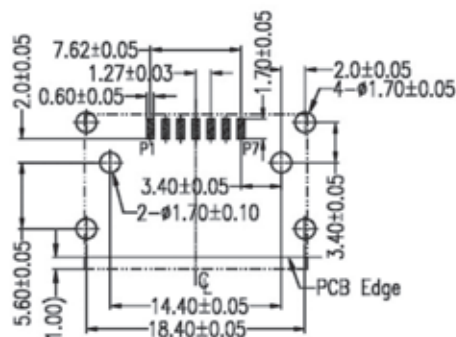
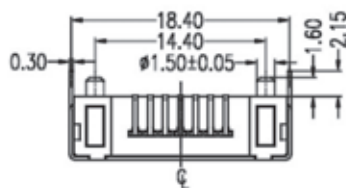
***RoHS & REACH compliant.**

ORDERING INFORMATION:

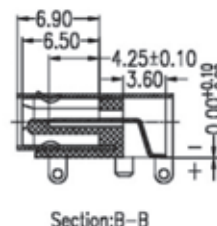
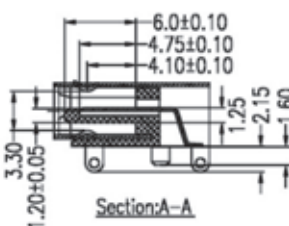
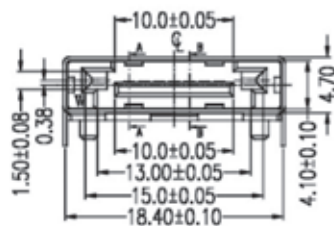
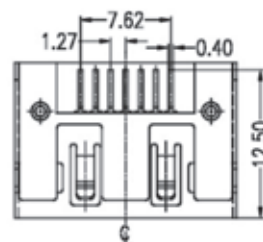
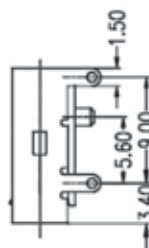
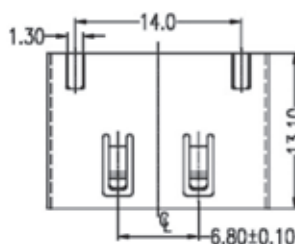
P/N S A T A 07 - T9 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"T9" STANDARD SMT TYPE WITH SINGLE SPRING
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C. Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Shell: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

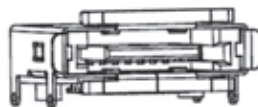
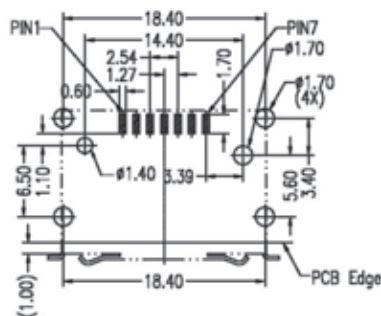
*RoHS & REACH compliant.

ORDERING INFORMATION:

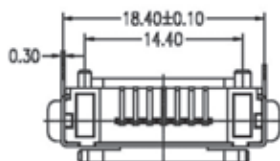
P/N S A T A 07 - U1 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"U1" STANDARD SMT TYPE W/O SPRING
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



Pin Number	Signal Name
P1	GND
P2	A+
P3	A-
P4	GND
P5	B-
P6	B+
P7	GND

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

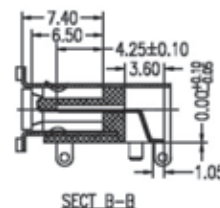
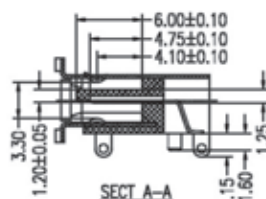
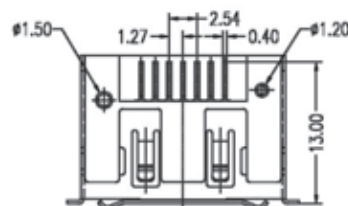
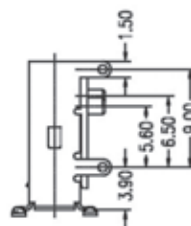
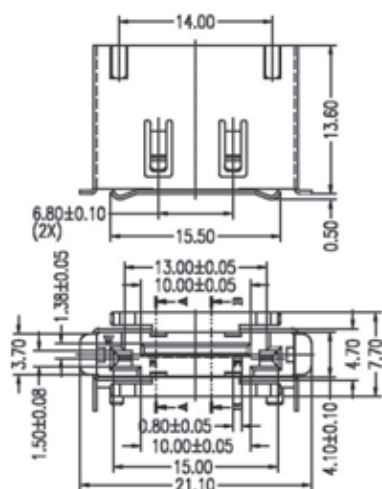
Housing: LCP+50%G.F., UL94V-0

Contact: Brass

Shell: Brass

Plating: Au Plating on Contact Area;
Sn (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.

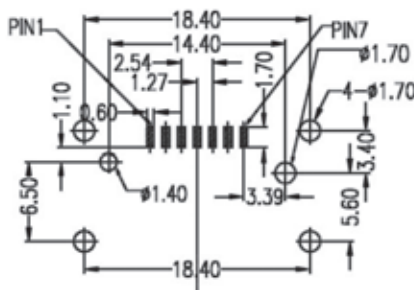
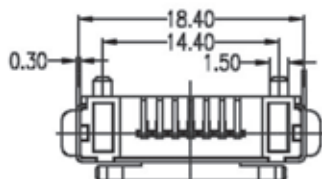


ORDERING INFORMATION:

P/N S A T A 0 7 - U 2 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"U2" REVERSE SMT TYPE WITH DOUBLE SPRING
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Contact Resistance: 30mΩ Max.

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

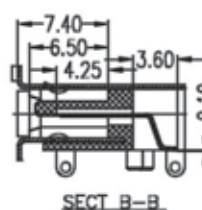
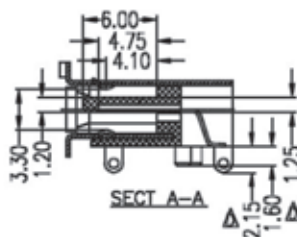
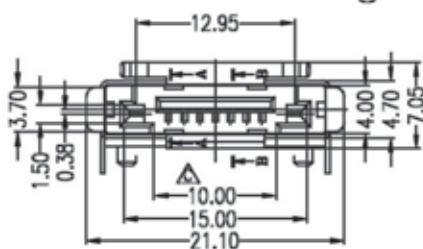
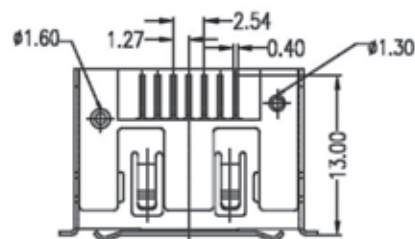
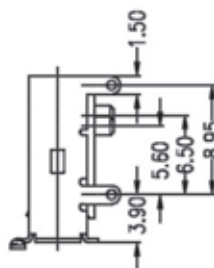
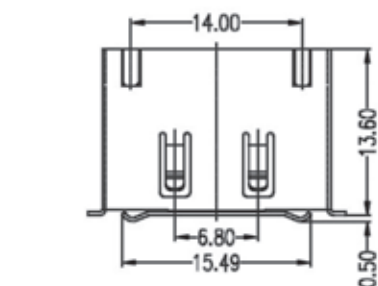
MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N S A T A 07 - U3 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"07" 7P

2. CONNECTOR CODE:

"U3" REVERSE SMT TYPE WITH SINGLE SPRING

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

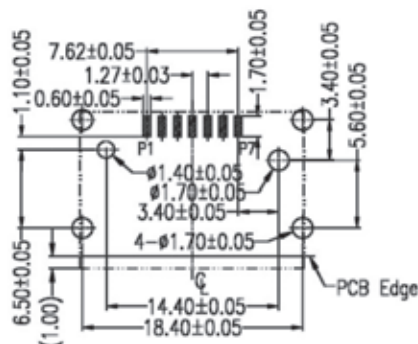
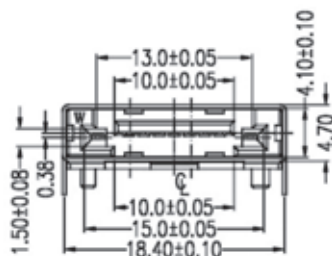
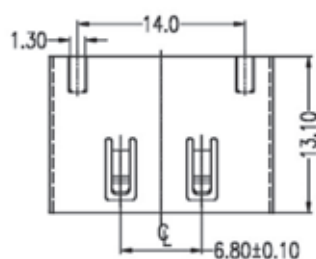
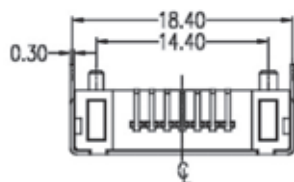
"05" 05 MICROINCH GOLD

"10" 10 MICROINCH GOLD

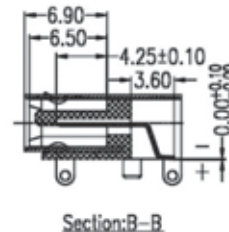
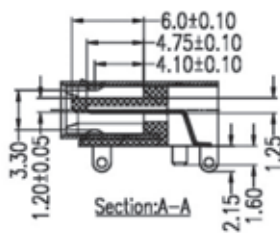
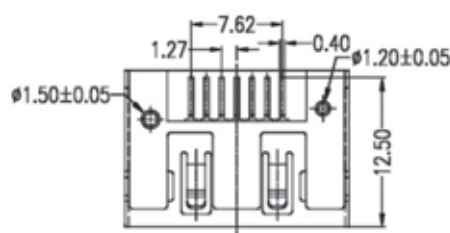
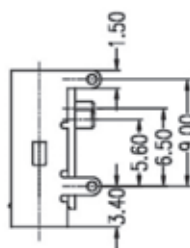
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

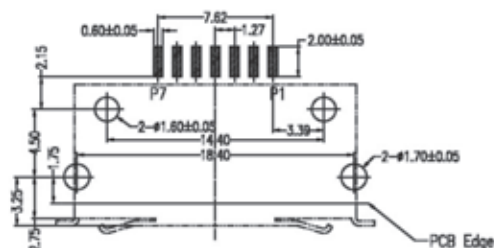
*RoHS & REACH compliant.

ORDERING INFORMATION:

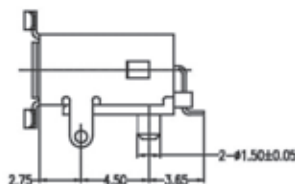
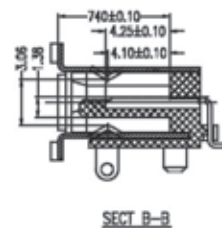
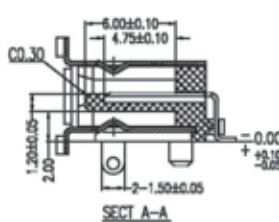
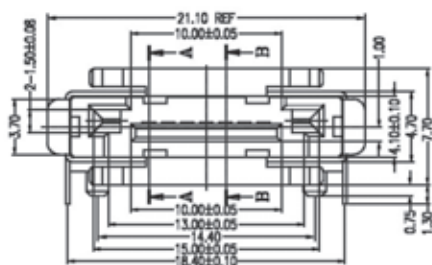
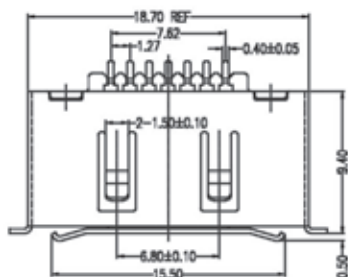
P/N S A T A 07 - U4 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"U4" REVERSE SMT TYPE W/O SPRING
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



Pin Number	Signal Name
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: Nylon6T, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

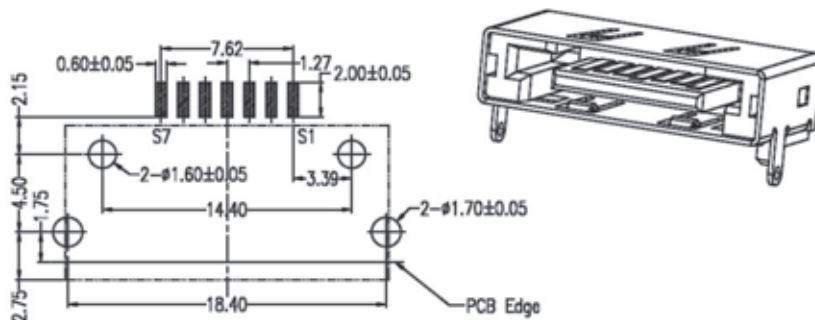
***RoHS & REACH compliant.**

ORDERING INFORMATION:

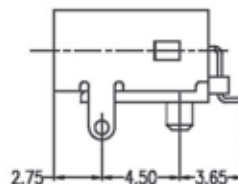
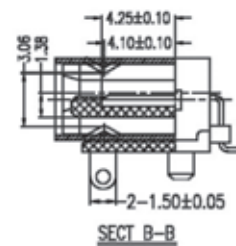
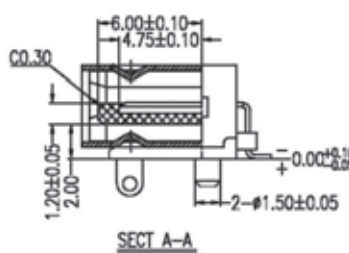
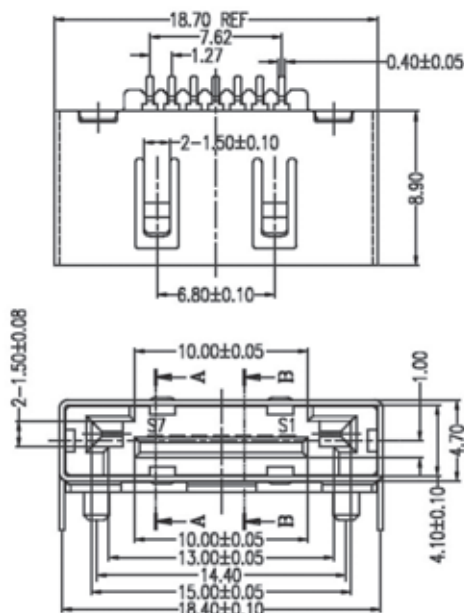
P/N S A T A 07 - U6 M R x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"U6" SLIM eSATA PLUG
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"R" RED 187C
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



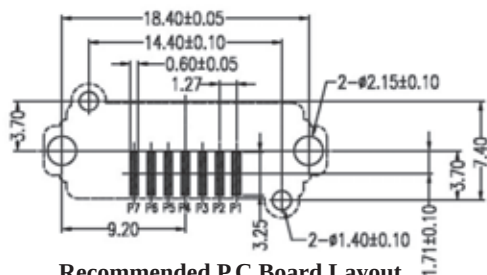
Signal Name	
Pin Number	eSATA
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

ORDERING INFORMATION:

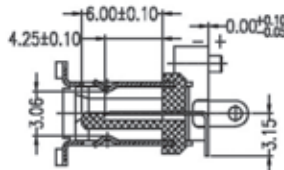
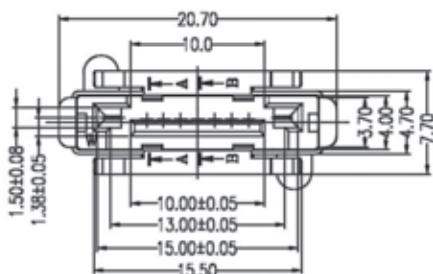
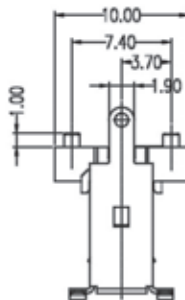
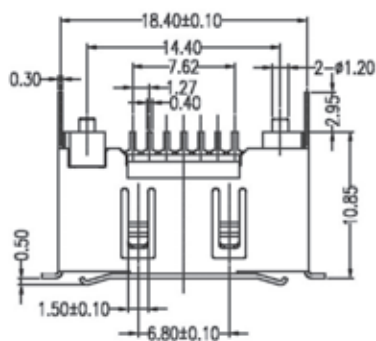
P/N S A T A 07 - U7 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"U7" SLIM eSATA PLUG
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 5 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

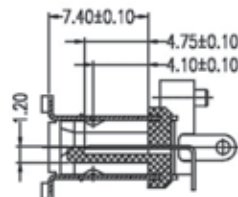
eSATA 7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SECT A-A



SECT B-B

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Operating Voltage: 100V AC

Contact Resistance: 30mΩ Max.

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

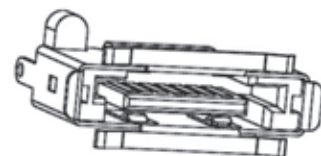
MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

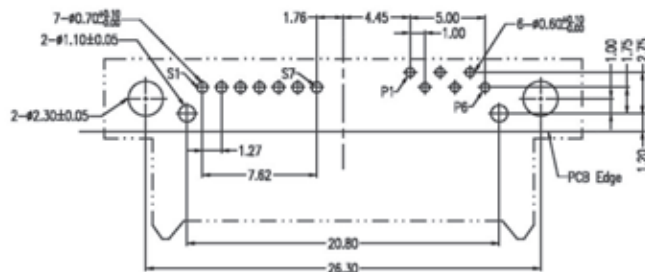


ORDERING INFORMATION:

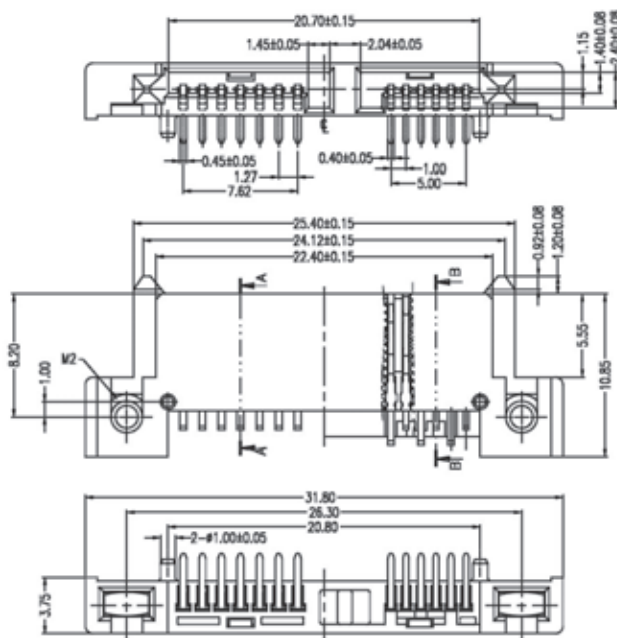
P/N S A T A 07 - U8 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"07" 7P
2. CONNECTOR CODE:
"U8" eSATA STRAIGHT SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

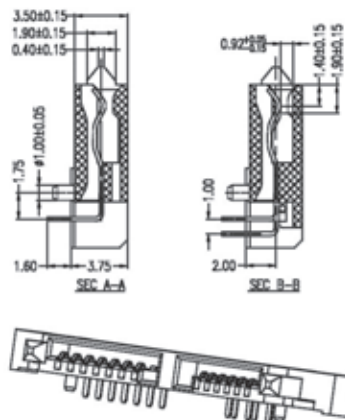
SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR REVERSE MOUNT RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout
Top View (T=1.20mm)



Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

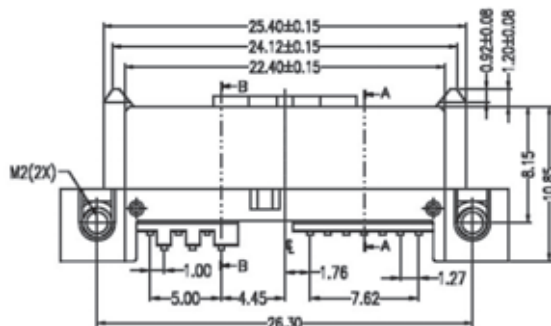
Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 13 - A1 F B x x
1 2 3 4 5

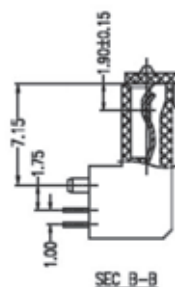
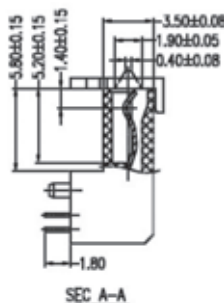
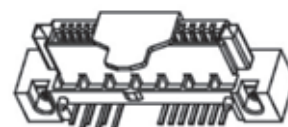
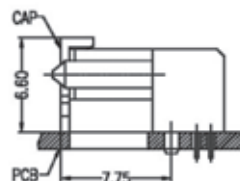
1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"A1" REVERSE R/A DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD



Operating Temperature: -55°C to +85°C

Sn (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

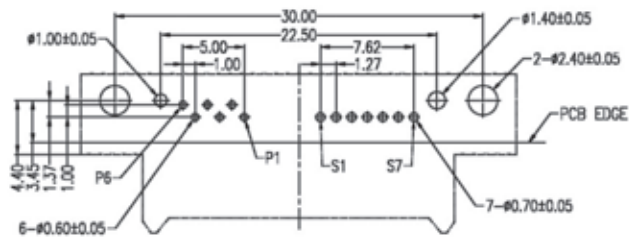
Pin NO.	Signal Name	Pin NO.	Power Name
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B+	P5	GND
S6	B-	P6	GND



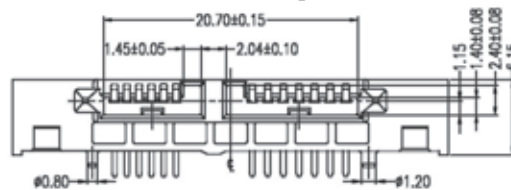
P/N S A T A $\frac{13}{1}$ - $\frac{A2}{2}$ $\frac{F B}{34}$ $\frac{x x}{5}$ - $\frac{x}{6}$

- "Q" WITH PAD IN TAPE & REEL

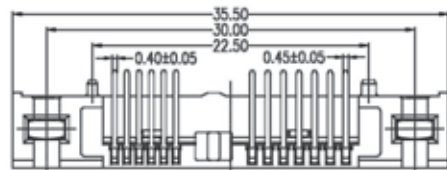
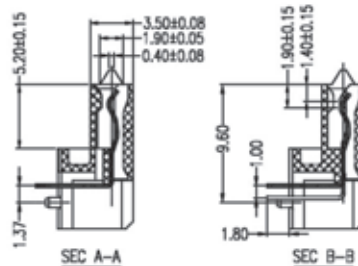
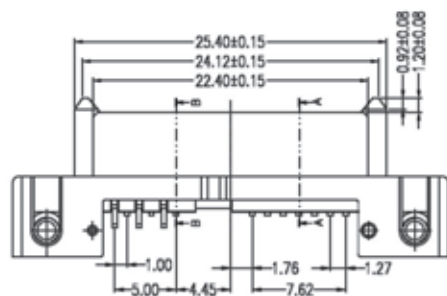
SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout Top View



Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

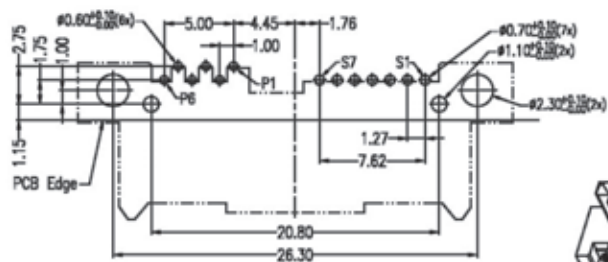
***RoHS & REACH compliant.**

ORDERING INFORMATION:

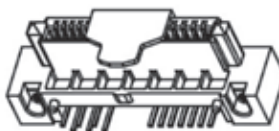
P/N SATA
1 2 3 4 5

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"A3" R/A DIP TYPE (6.15)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



**Recommended P.C.Board Layout
Component Side (T=1.20mm)**



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

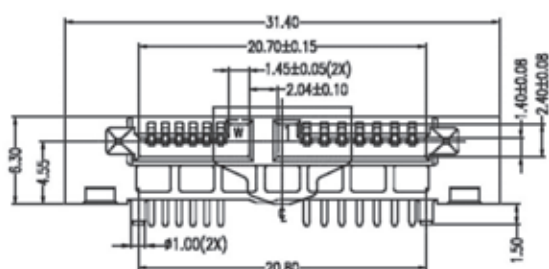
Plating: Au Plating on Contact Area:

Sn (100u" Min.) Plating on Solder

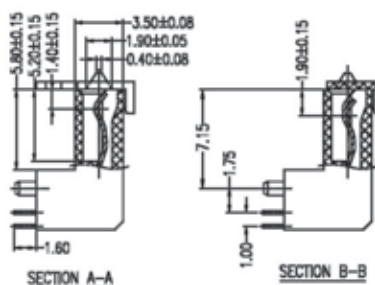
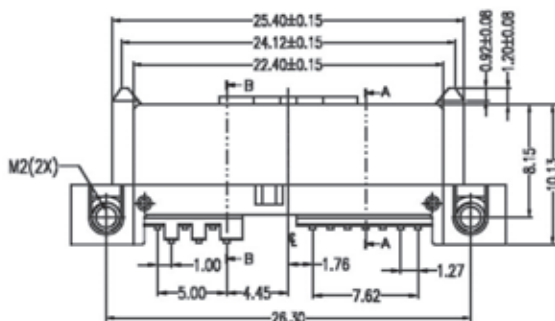
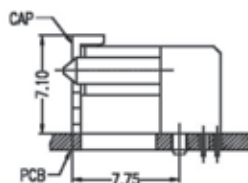
Tail: Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**



Pin No.	Signal Name
S1	GND
S2	A+
S3	A-
S4	GND
S5	B+
S6	B-
S7	GND

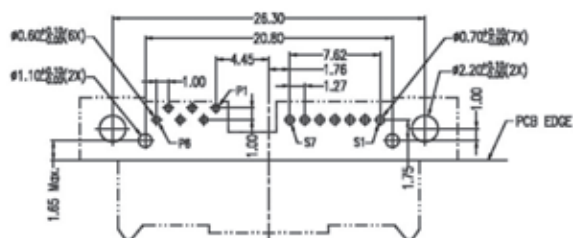


ORDERING INFORMATION:

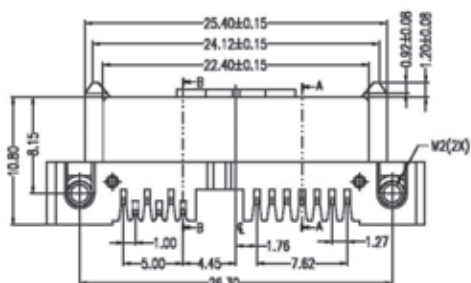
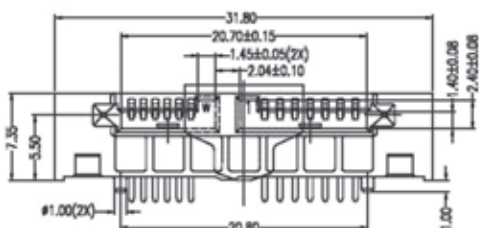
P/N S A T A 13 - A5 F B x x - x
1 2 3 4 5 6

- | | |
|-------------------------------|-----------------------------|
| 1. NO. OF CONTACTS: | 6. PACKAGE TYPE: |
| "13" 7P+6P | "0" TRAY |
| 2. CONNECTOR CODE: | "Q" WITH PAD IN TAPE & REEL |
| "A5" R/A DIP TYPE WITH SCREWS | |
| 3. CONTACT TYPE: | |
| "F" FEMALE | |
| 4. INSULATOR COLOR: | |
| "B" BLACK | |
| 5. CONTACT FINISH: | |
| "01" GOLD FLASH | |
| "10" 10 MICROINCH GOLD | |
| "15" 15 MICROINCH GOLD | |
| "30" 30 MICROINCH GOLD | |

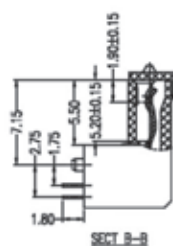
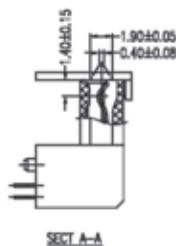
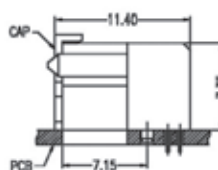
SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.20mm)



Signal Segment	Power Segment
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

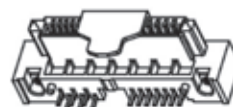
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N S A T A 13 - A4 F B x x - x

1. NO. OF CONTACTS:

"13" 7P+6P

2. CONNECTOR CODE:

"A4" R/A DIP TYPE WITH SCREWS

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

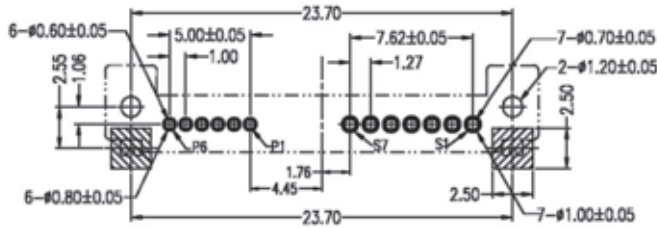
"30" 30 MICROINCH GOLD

6. PACKAGE TYPE:

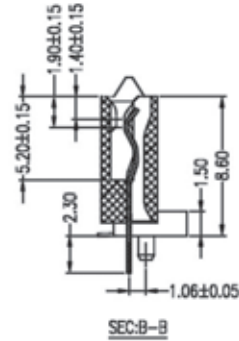
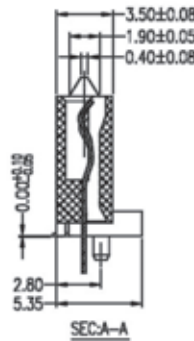
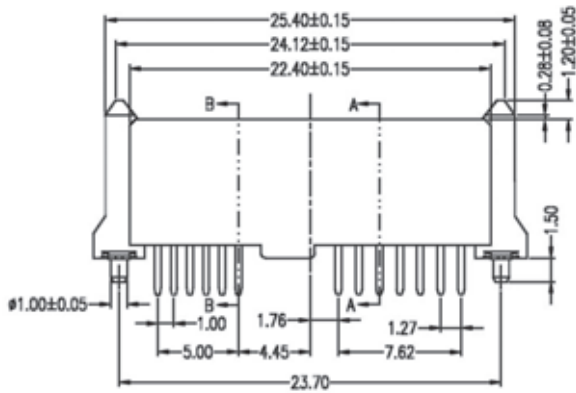
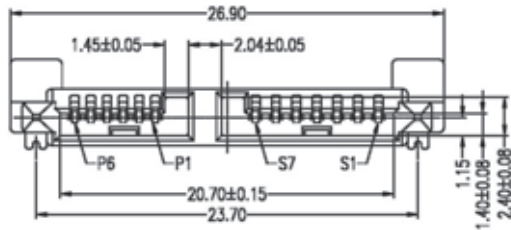
"0" TRAY

"Q" WITH PAD IN TAPE & REEL

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



**Recommended P.C.Board Layout
(T=1.60mm)**



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

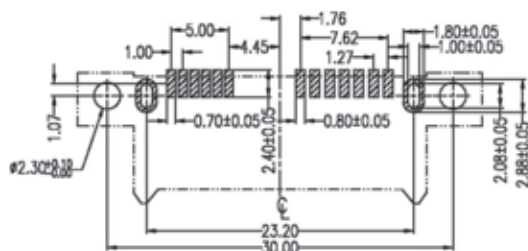
ORDERING INFORMATION:

P/N S A T A $\frac{13}{1}$ - $\frac{H1}{2}$ $\frac{F B}{34}$ $\frac{x x}{5}$ - $\frac{x}{6}$

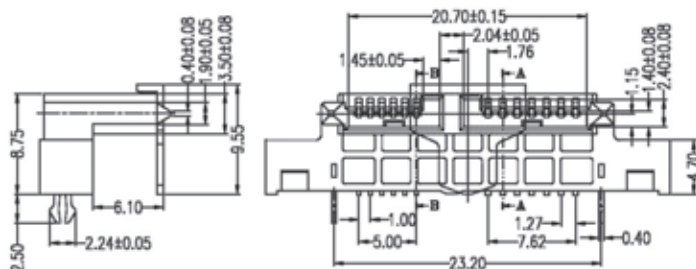
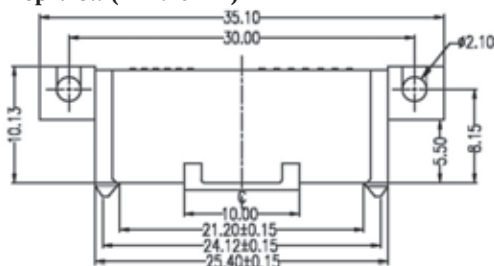
1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"H1" VERTICAL DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

6. PACKAGE TYPE:
"0" TRAY
"R" TAPE & REEL

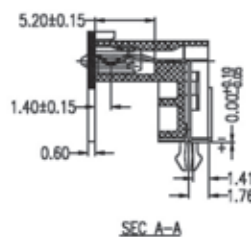
SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR SMT TYPE



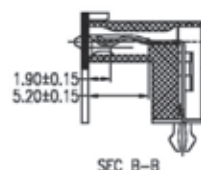
Recommended P.C. Board Layout
Top View (T=1.20mm)



Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		



SEC A-A



SEC B-B

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 13 - S1 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"13" 7P+6P

2. CONNECTOR CODE:

"S1" SMT TYPE (8.75)

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

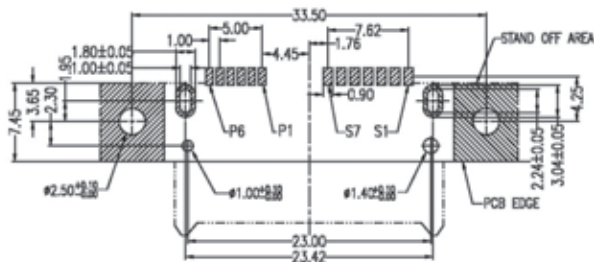
"B" BLACK

5. CONTACT FINISH:

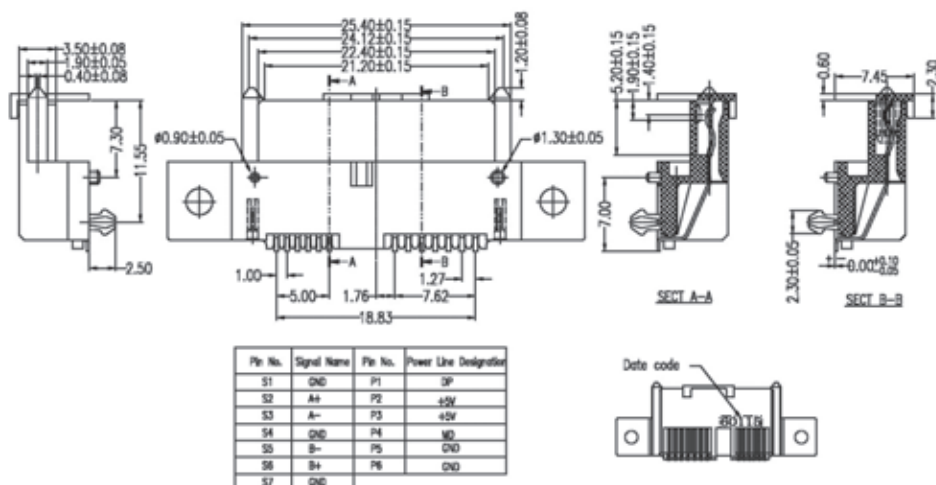
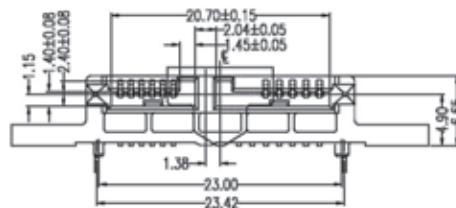
"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD



Recommended P.C.Board Layout Component Side (T=1.20mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

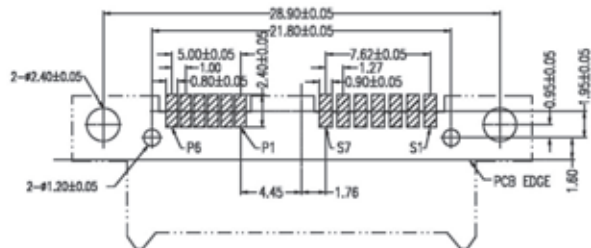
***RoHS & REACH compliant.**

ORDERING INFORMATION:

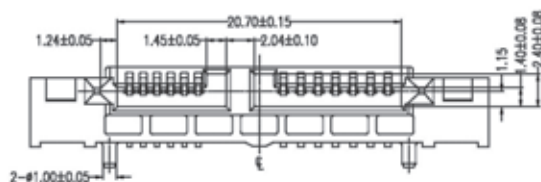
P/N SATA
1 - 2 3 4 5
13 - S2FBxx

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"S2" SMT TYPE (6.65)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

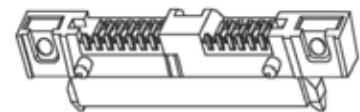
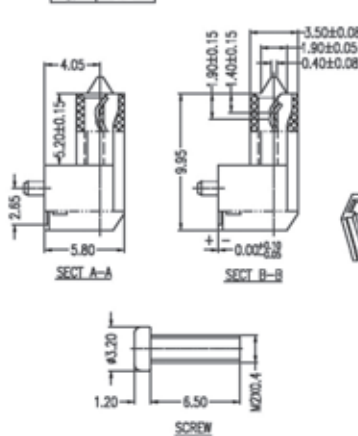
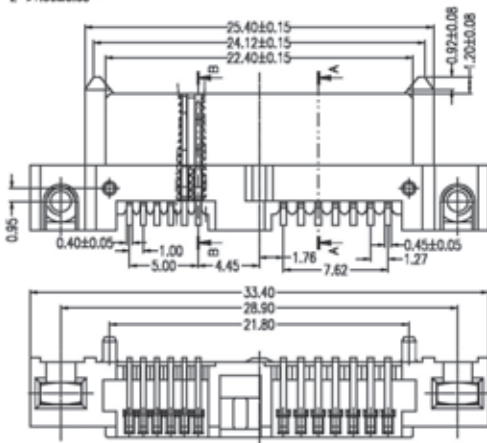
SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR SMT TYPE



**Recommended P.C. Board Layout
Component Side (T=1.20mm)**



Pin No.	Signal Name	Pin No.	Power Line Designator
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

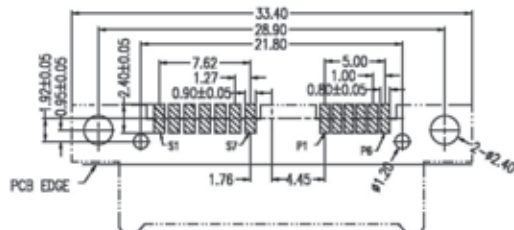
***RoHS & REACH compliant.**

ORDERING INFORMATION:

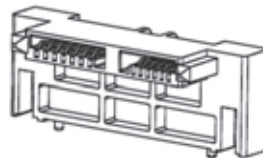
P/N S A T A 1 3 - S 3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"S3" SMT TYPE WITH SCREWS
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR REVERSE MOUNT SMT TYPE



**Recommended P.C.Board Layout
Component Side (T=1.20mm)**



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

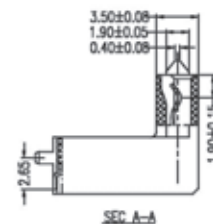
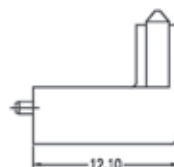
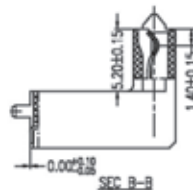
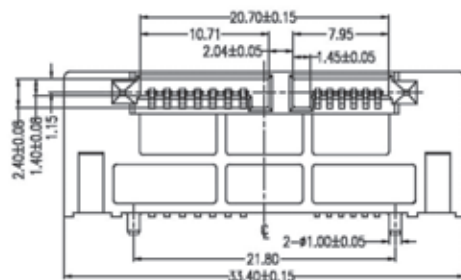
Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

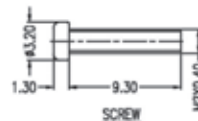
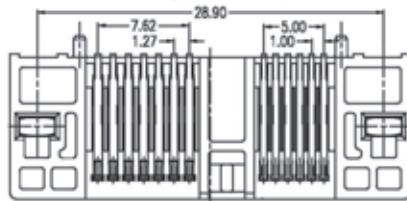
Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**



Pin No.	Signal Name	Pin No.	Power Line Designation
51	GND	P1	D ⁺
52	A+	P2	+5V
53	A-	P3	+5V
54	GND	P4	D ⁻
55	B+	P5	GND
56	B+	P6	GND
57	GND		

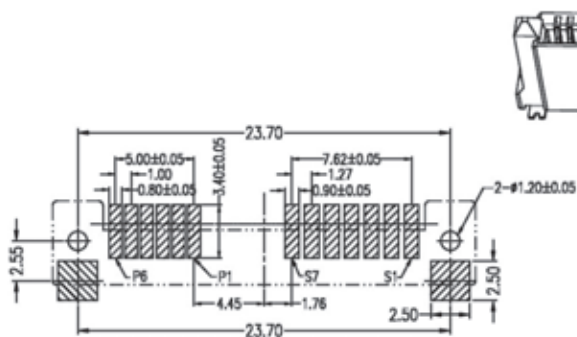


ORDERING INFORMATION:

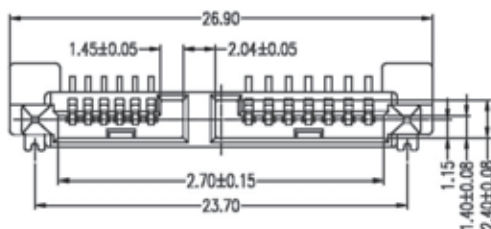
P/N SATA
1 - 2 3 4 5
13 - S 4 F B x x

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"S4" REVERSE SMT TYPE WITH SCREWS
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

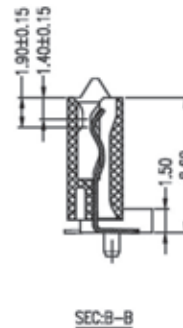
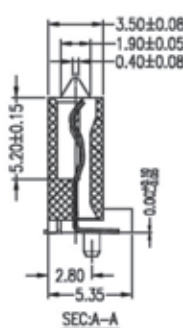
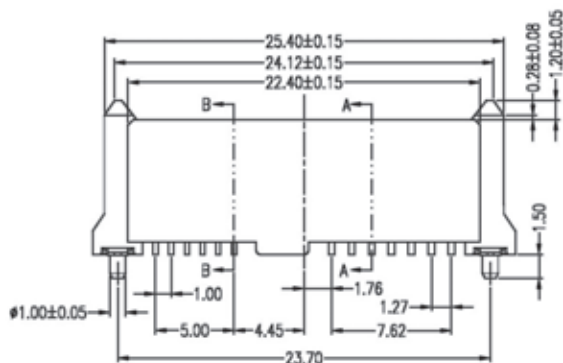
SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE WITH POSTS



Recommended P.C.Board Layout



Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

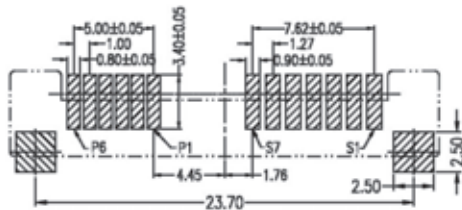
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 13 - S5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"S5" VERTICAL SMT TYPE W/O POSTS
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

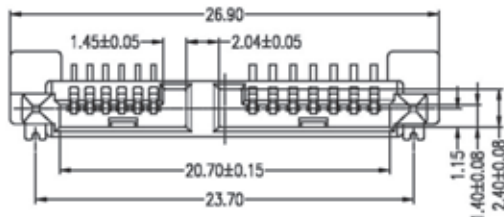
MATERIALS

Housing: LCP, UL94V-0

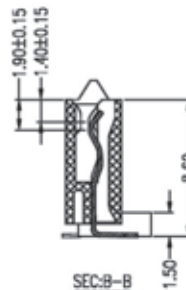
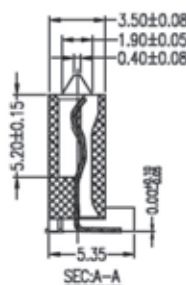
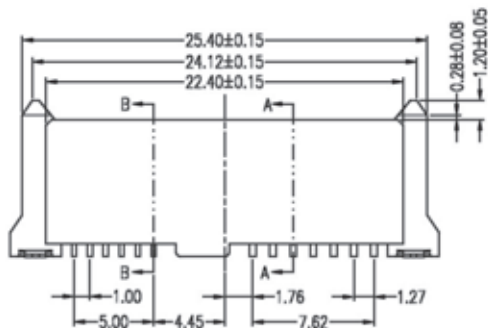
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.



Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

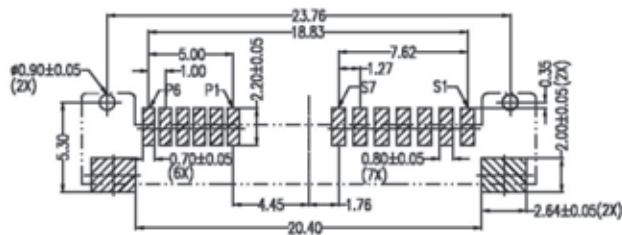
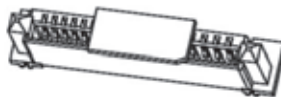


ORDERING INFORMATION:

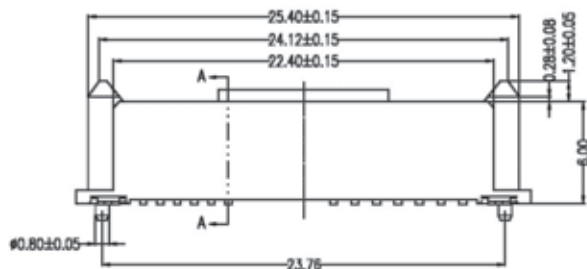
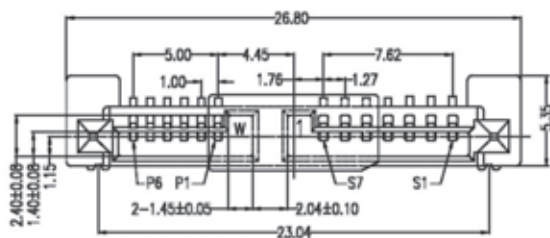
P/N S A T A 13 - S6 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"S6" VERTICAL SMT TYPE W/O POST
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Component Side



Pin NO.	Signal Name	Pin NO.	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

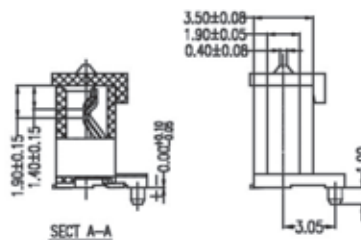
Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N S A T A 13 - S7 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"13" 7P+6P

2. CONNECTOR CODE:

"S7" SMT TYPE (7.20)

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

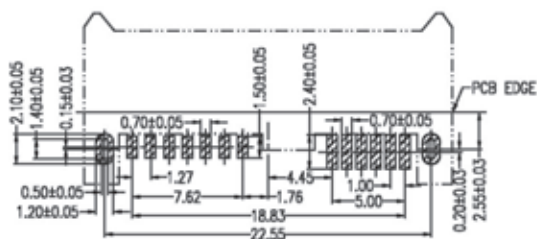
5. CONTACT FINISH:

"01" GOLD FLASH

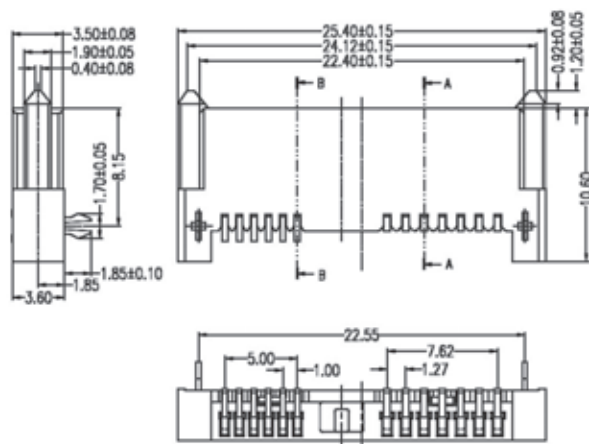
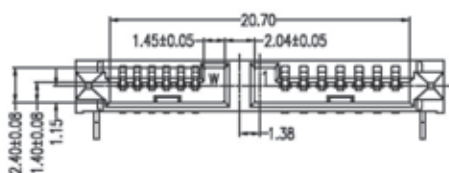
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

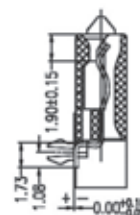
SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.20mm)



SEC. A-A



SEC. B-B

Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 13 - S8 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"13" 7P+6P

2. CONNECTOR CODE:

"S8" SMT TYPE

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

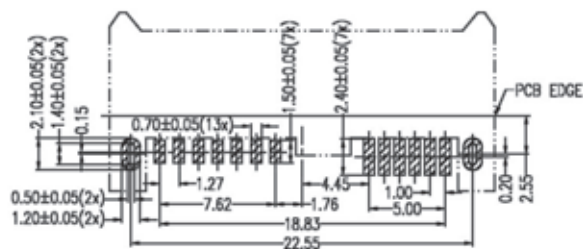
5. CONTACT FINISH:

"01" GOLD FLASH

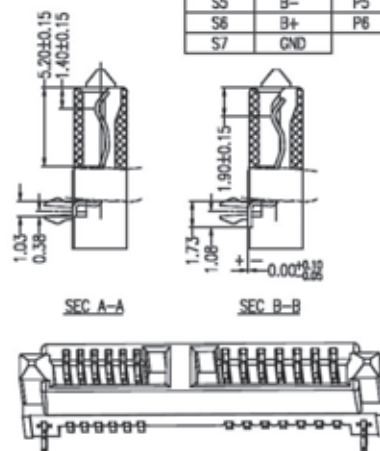
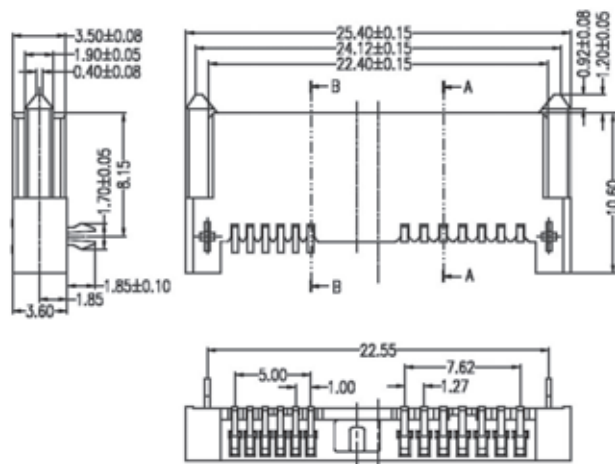
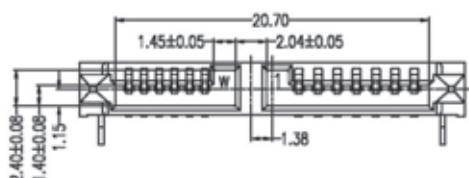
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.20mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

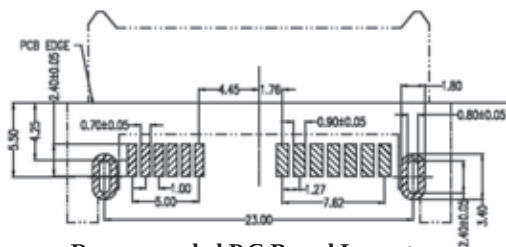
Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

ORDERING INFORMATION:

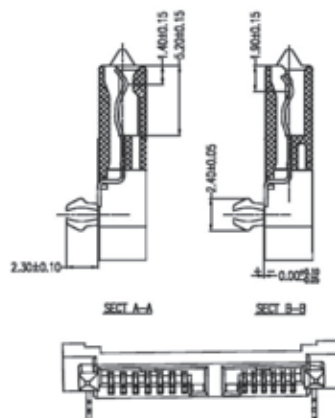
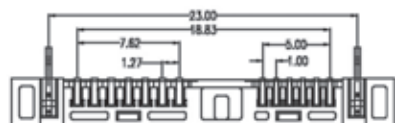
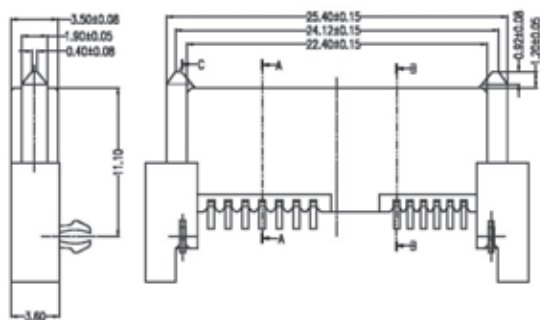
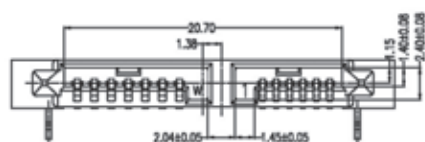
P/N S A T A 13 - S9 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"S9" SMT TYPE W/O LOCK KEY
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR UNDER BOARD SMT TYPE



Recommended P.C.Board Layout
(T=1.00mm)



Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

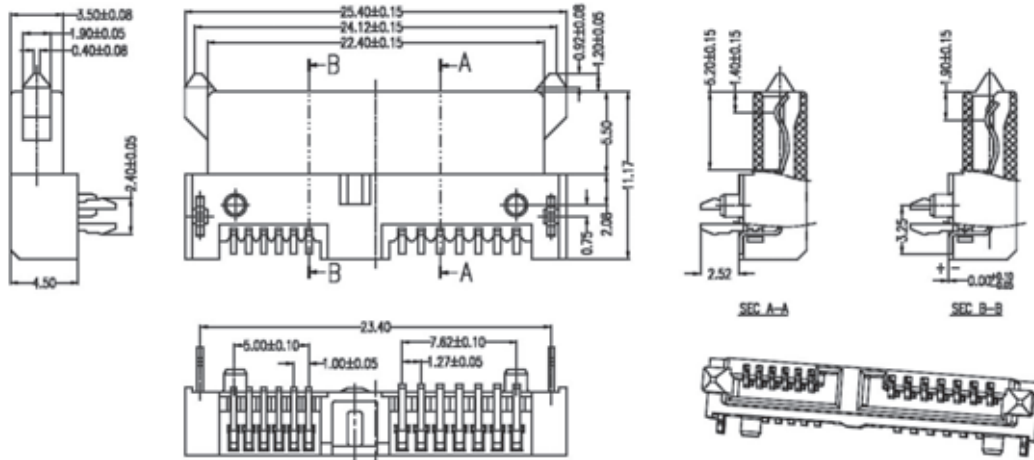
ORDERING INFORMATION:

P/N S A T A 13 - T1 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"T1" UNDER BOARD SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

Pin Number	Signal Name	Pin Number	Power Line Designation
S1	QND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	QND	P4	ND
S5	B-	P5	QND
S6	B+	P6	QND
S7	QND		

***RoHS & REACH compliant.**

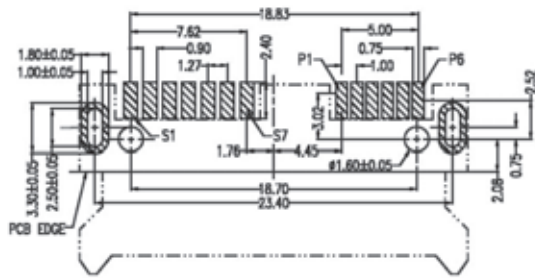


P/N SATA 13-2T3F4B5xx

- # ELITALIA

tel. 02.3361.1626 info@elitaliaweb.it
fax 02.2626.1009 www.elitaliaweb.it

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR UNDER BOARD SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.20mm)

Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

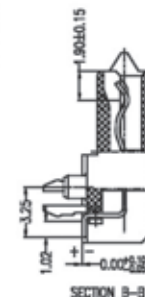
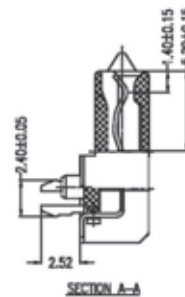
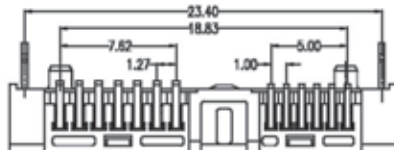
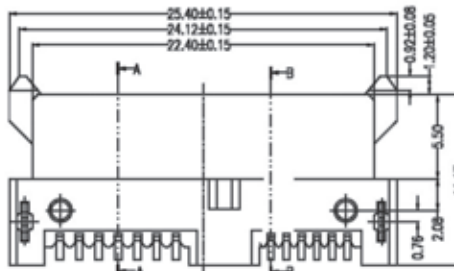
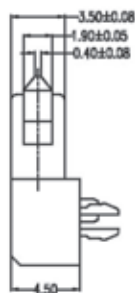
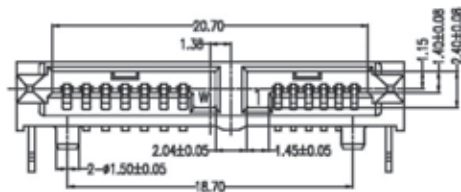
Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**

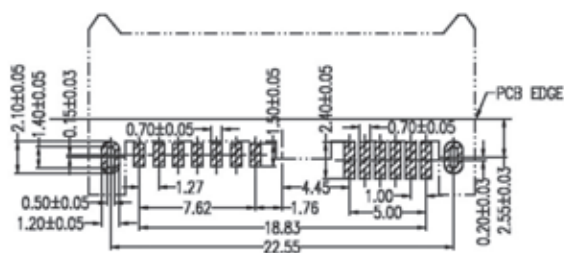


ORDERING INFORMATION:

P/N S A T A 13 - T3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"T3" UNDER BOARD SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C. Board Layout
Top View (T=1.20mm)

Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

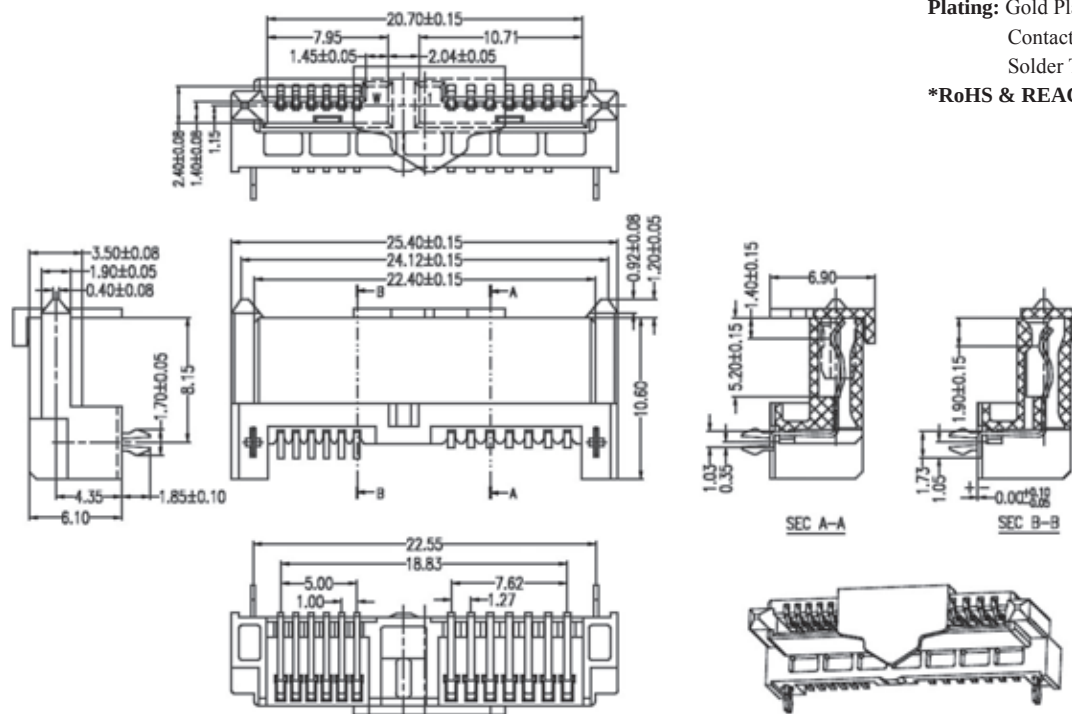
MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N S A T A 13 - T4 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"13" 7P+6P

2. CONNECTOR CODE:

"T4" R/A SMT TYPE

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

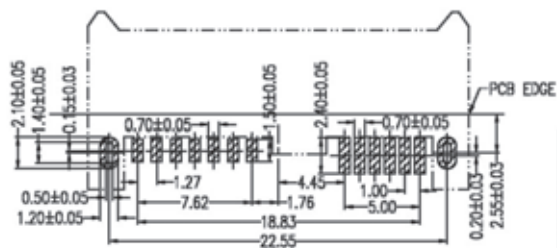
5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.20mm)

Pin No.	Signal Name	Pin No.	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

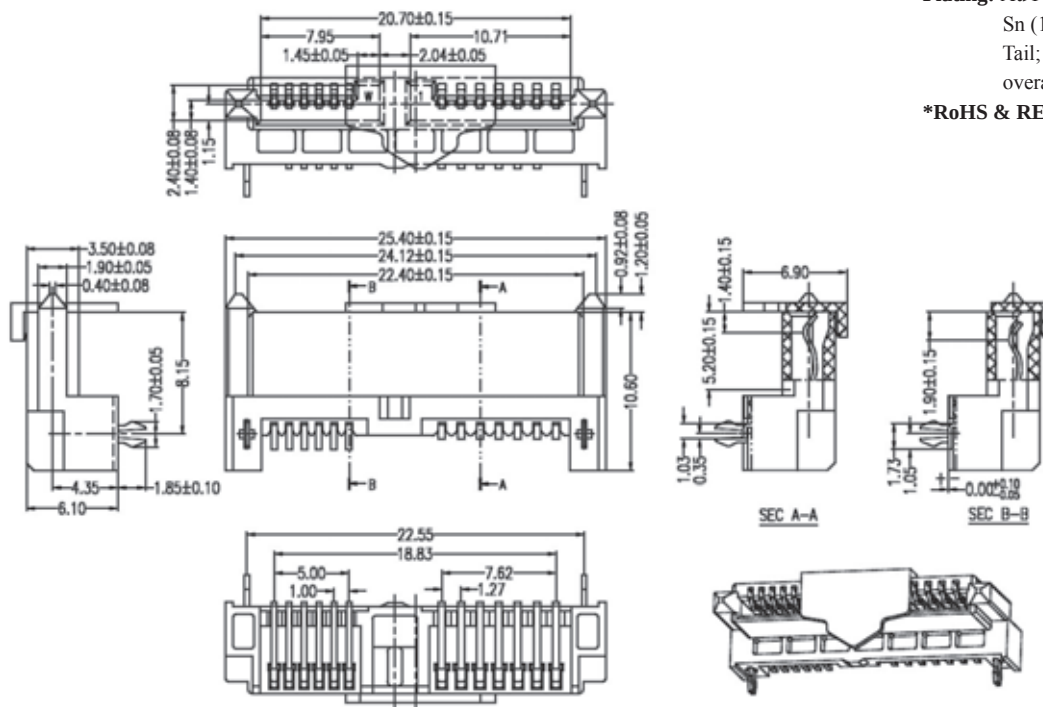
Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.

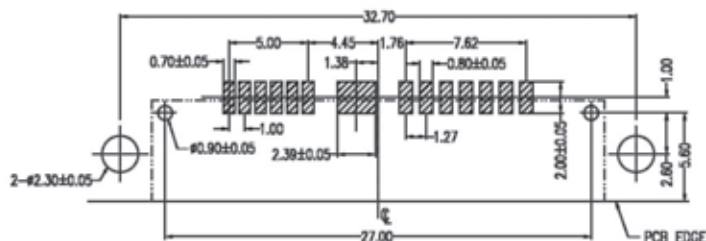


ORDERING INFORMATION:

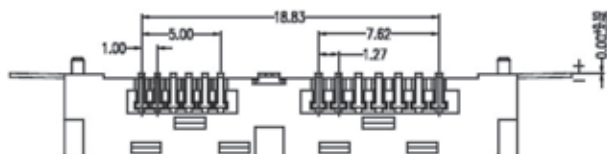
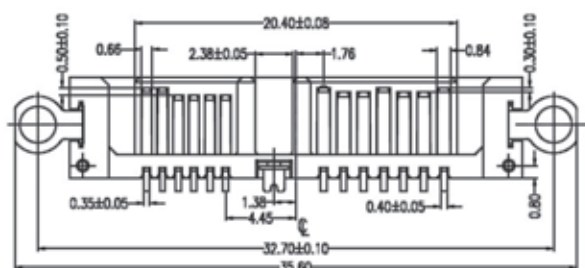
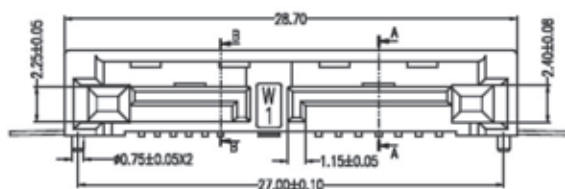
P/N S A T A 13 - T5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"13" 7P+6P
2. CONNECTOR CODE:
"T5" SMT TYPE W/O LOCK KEY
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SLIM LINE SATA 7+6 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

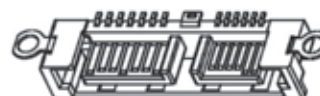
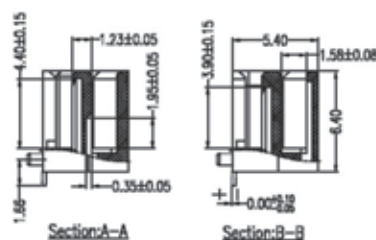
Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A-	P3	+5V
S4	GND	P4	MD
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND		



ORDERING INFORMATION:

P/N S A T A 1 3 - T 6 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"13" 7P+6P

2. CONNECTOR CODE:

"T6" R/A SMT TYPE

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

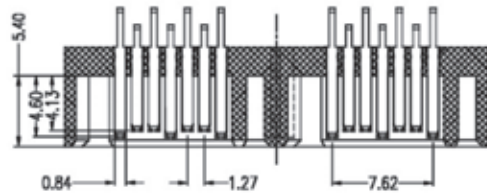
"B" BLACK

5. CONTACT FINISH:

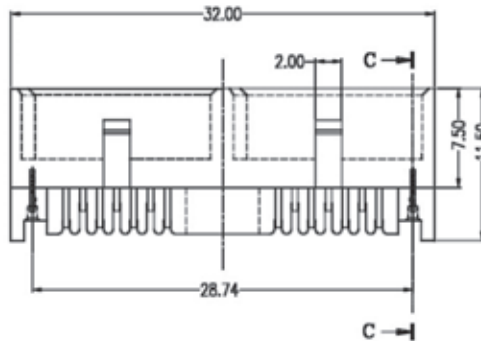
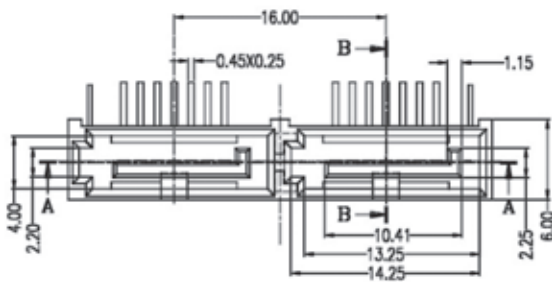
"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD



SECT A-A



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

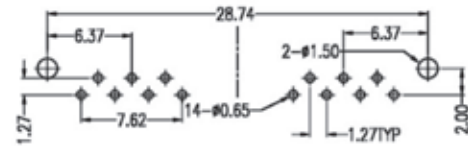
MATERIALS

Housing: LCP, UL94V-0

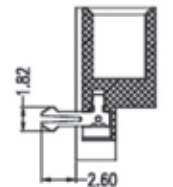
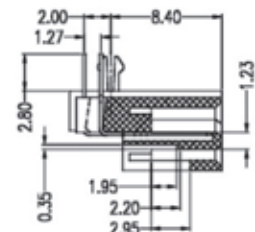
Contact: Brass

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

SECT C-C

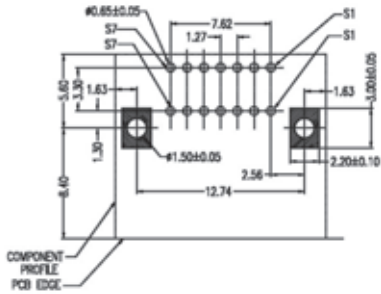
SECT B-B

ORDERING INFORMATION:

P/N S A T A 1 4 - A 1 M B x x

1. NO. OF CONTACTS:
"14" 7P+7P
2. CONNECTOR CODE:
"A1" 7P+7P R/A DIP TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

**SERIAL ATA (SATA) 14 PIN DOUBLE LAYER MALE CONNECTOR
RIGHT ANGLE DIP TYPE**



Recommended P.C.Board Layout Component Side (T=1.60mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: Nylon 66, UL94V-0

Contact: Phosphor Bronze

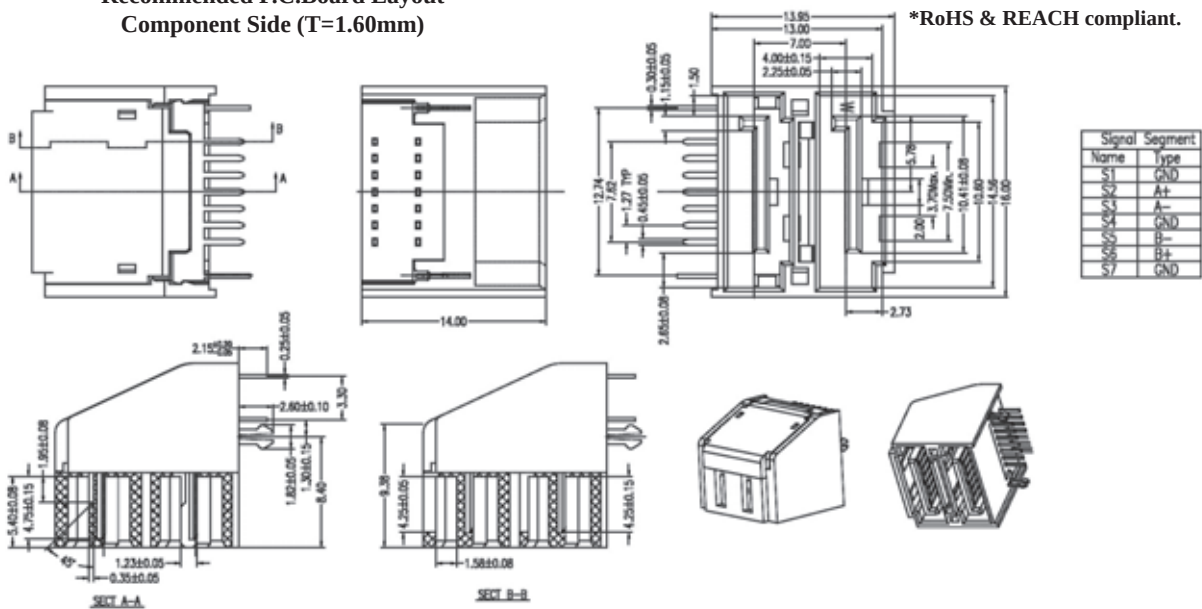
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

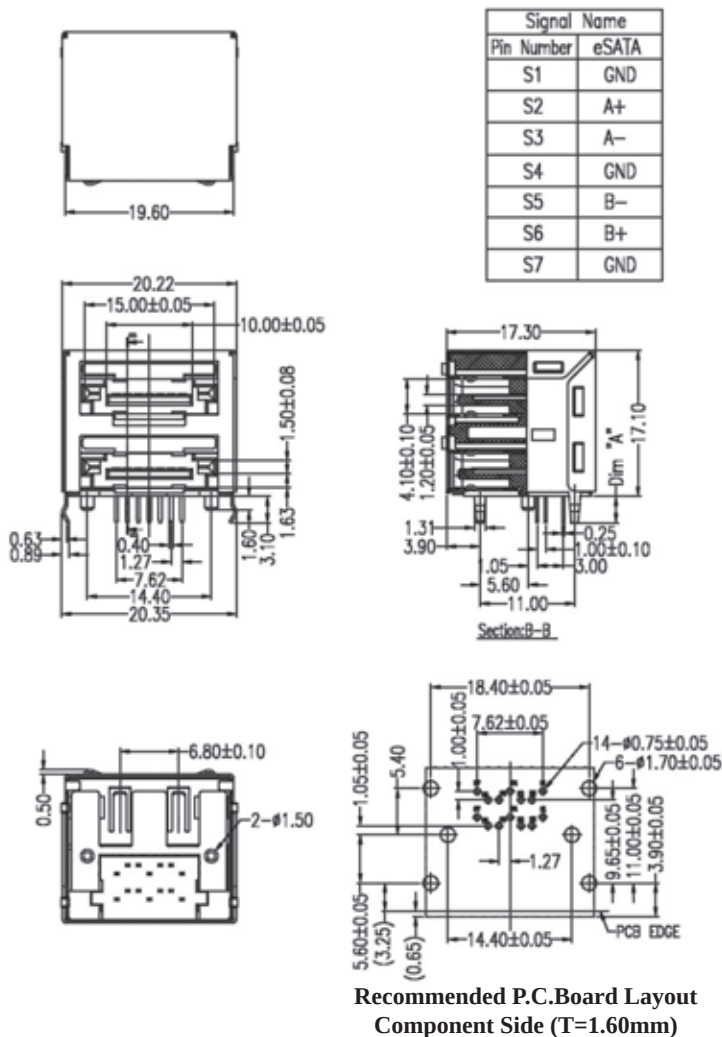


ORDERING INFORMATION:

P/N SAT A 14 - A2 MB xx
1 2 3 4 5

1. NO. OF CONTACTS:
"14" 7P+7P
2. CONNECTOR CODE:
"A2" DOUBLE LAYER R/A DIP TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

eSATA 14 PIN DOUBLE LAYER MALE CONNECTOR RIGHT ANGLE DIP TYPE WITH POSTS



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: Nylon 46, UL94V-0

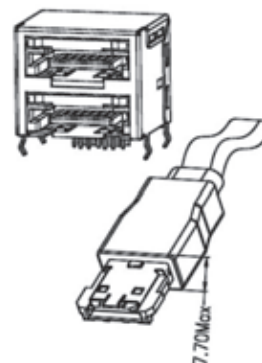
Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N S A T A 1 4 - x x M x x x
1 2 3 4 5

1. NO. OF CONTACTS:

"14" 7P+7P

2. CONNECTOR CODE:

"A3" DIM. A= 2.15MM

"A4" DIM. A= 3.10MM

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

"U" BLUE 2935U

"R" RED 187C

"Y" YELLOW 810C

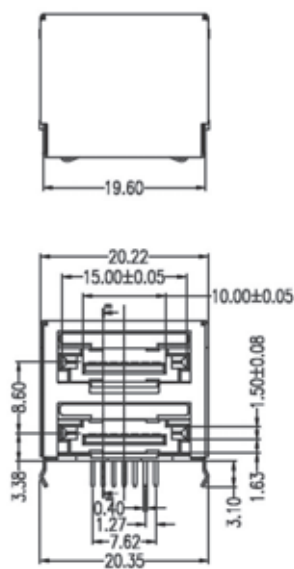
5. CONTACT FINISH:

"01" GOLD FLASH

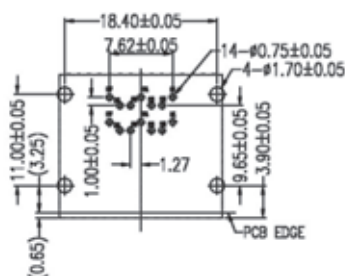
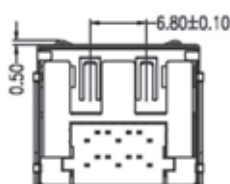
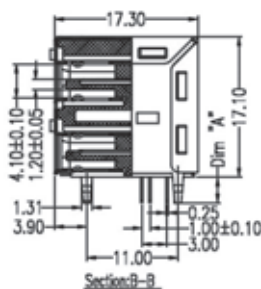
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

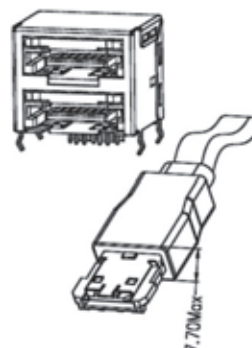
eSATA 14 PIN DOUBLE LAYER MALE CONNECTOR RIGHT ANGLE DIP TYPE W/O POSTS



Signal Name	Pin Number
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND



Recommended P.C.Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: Nylon 46, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 1 4 - x x M x x x
1 2 3 4 5

1. NO. OF CONTACTS:

"14" 7P+7P

2. CONNECTOR CODE:

"A5" DIM. A= 2.15MM

"A6" DIM. A= 3.10MM

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

"U" BLUE 2935U

"R" RED 187C

"Y" YELLOW 810C

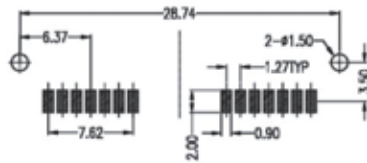
5. CONTACT FINISH:

"01" GOLD FLASH

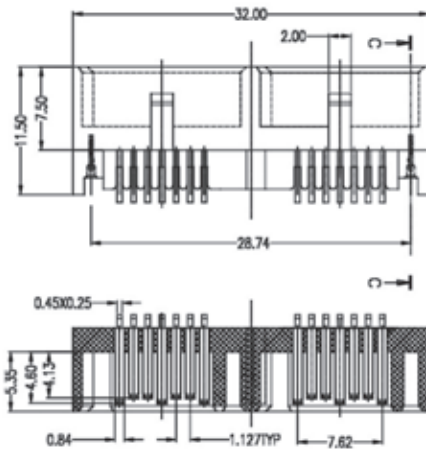
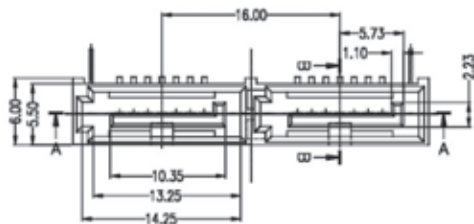
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

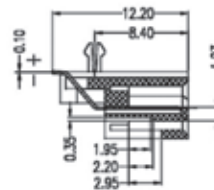
SERIAL ATA (SATA) 7+7 PIN MALE CONNECTOR SMT TYPE



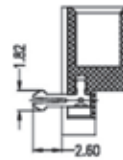
Recommended P.C.Board Layout



SECT A-A



SECT B-B



SECT C-C

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

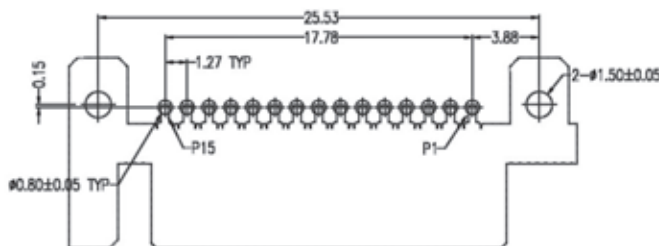
***RoHS & REACH compliant.**

ORDERING INFORMATION:

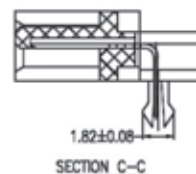
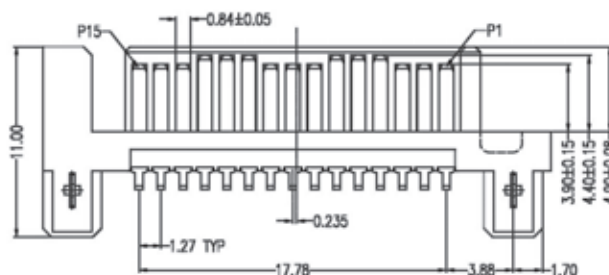
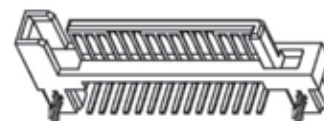
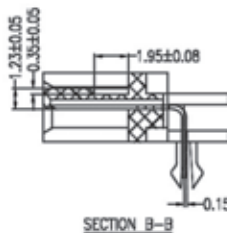
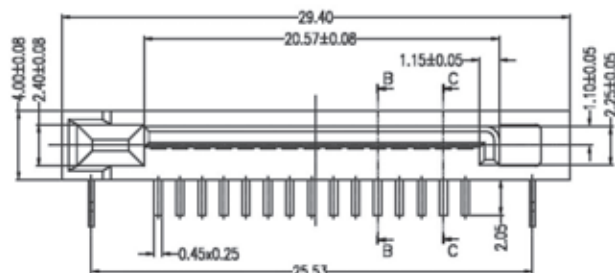
P/N S A T A 14 - S1 M B xx

1. NO. OF CONTACTS:
"14" 7P+7P
2. CONNECTOR CODE:
"S1" SATA FOR CARD
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 15 PIN MALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



PIN NO.	SIGNAL NAME
P1	V33
P2	V33
P3	V33
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	DAS/DSS
P12	GND
P13	V12
P14	V12
P15	V12

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 1 5 - A 1 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"15" 15P

2. CONNECTOR CODE:

"A1" SATA FOR H.D.

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

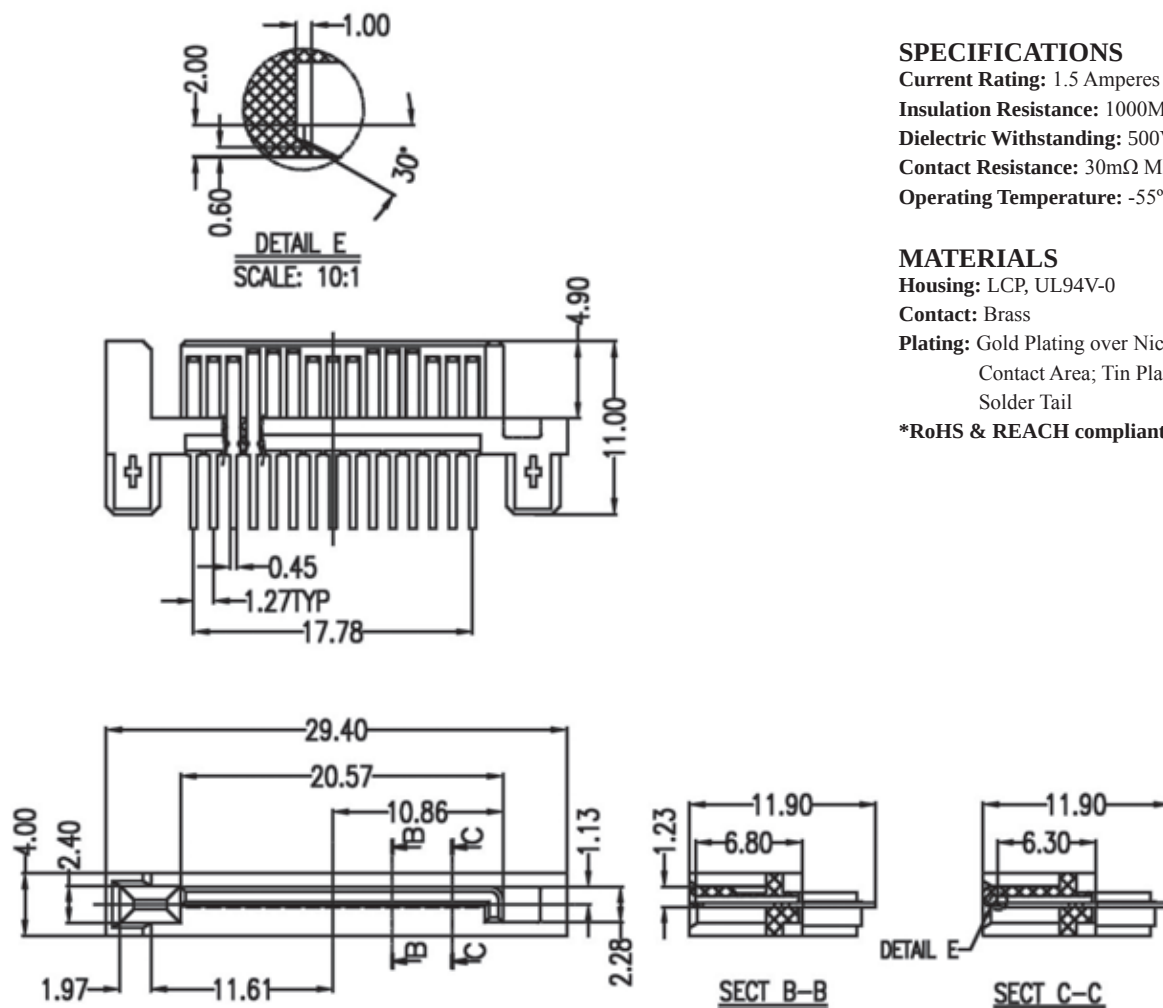
5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 15 PIN MALE CONNECTOR STRAIGHT CONTACT TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 15 - H1 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"15" 15P

2. CONNECTOR CODE:

"H1" SATA FOR H.D.

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

"05" 05 MICROINCH GOLD

"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 15 PIN FEMALE CONNECTOR CABLE SOLDER TYPE

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

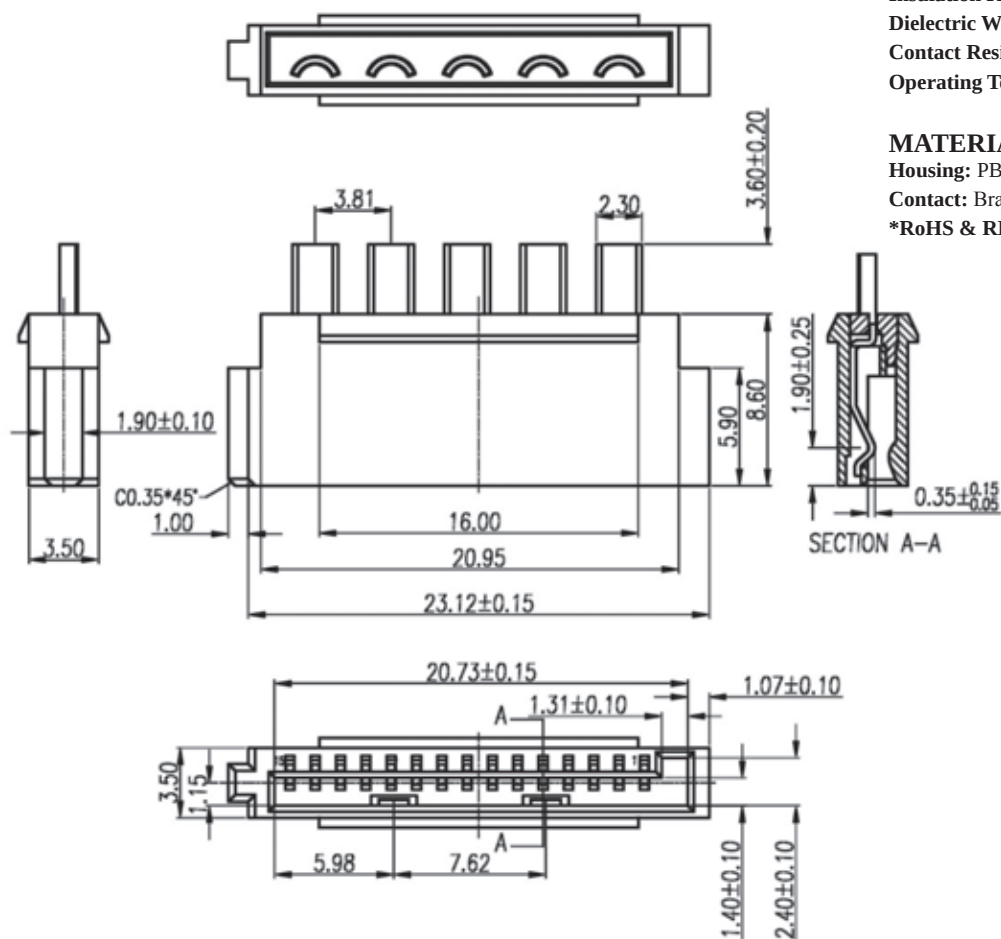
Operating Temperature: -55°C to +85°C

MATERIALS

Housing: PBT, UL94V-0

Contact: Brass

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N S A T A 15 - N1 FB xx

1. NO. OF CONTACTS:
"15" 15P
2. CONNECTOR CODE:
"N1" SATA FOR POWER
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH

SERIAL ATA (SATA) 15 PIN FEMALE CONNECTOR CABLE SOLDER TYPE

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000M Ω Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30m Ω Max.

Operating Temperature: -55°C to +85°C

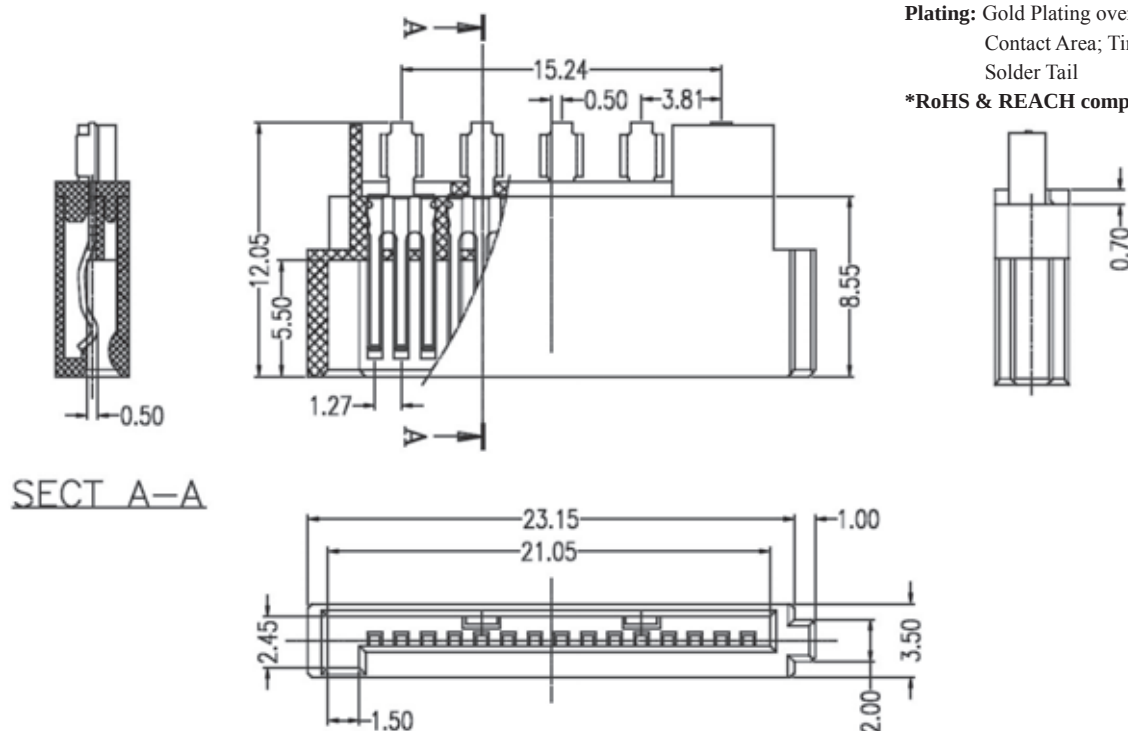
MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**



ORDERING INFORMATION:

P/N S A T A 15 - N2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"15" 15P
2. CONNECTOR CODE:
"N2" SATA FOR POWER
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

MICRO SATA 7+7+2 PIN FEMALE CONNECTOR CABLE SOLDER TYPE

Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	+3.3V
S2	RX+	P2	+3.3V
S3	RX-	P3	GND
S4	GND	P4	GND
S5	TX-	P5	+5.5V
S6	TX+	P6	+5.5V
S7	GND	P7	DMS/DSS
		P8	Optional
		P9	Optional

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

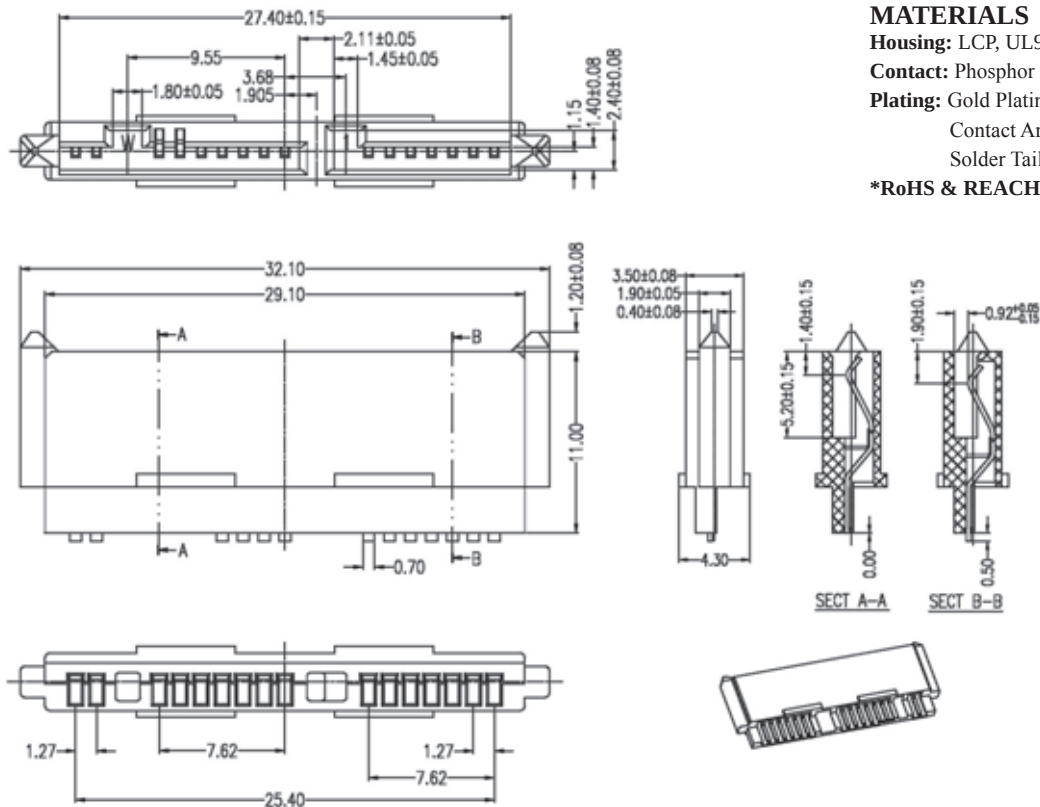
Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

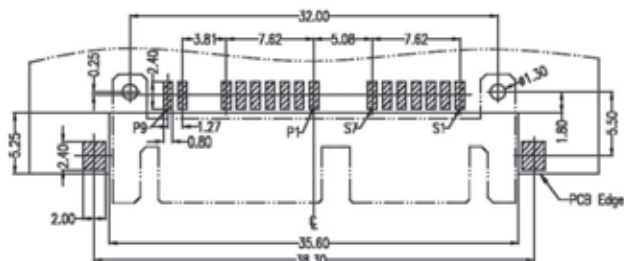


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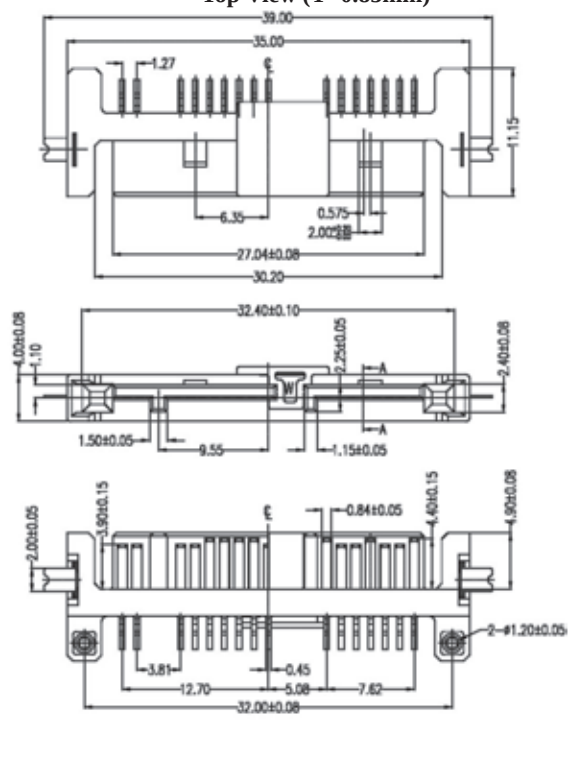
P/N S A T A 1 6 - N 1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"16" 7P+7P+2P
2. CONNECTOR CODE:
"N1" CABLE SOLDER TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+7+2 PIN MALE CONNECTOR SMT TYPE WITH COVER



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

Pin Number	Signal Name
S1	QND
S2	RX+
S3	RX-
S4	QND
S5	TX-
S6	TX+
S7	QND

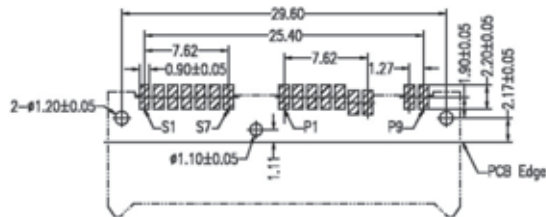
Pin Number	Power Line Designation
P1	+3.3V
P2	+3.3V
P3	GND
P4	GND
P5	+5.5V
P6	+5.5V
P7	DAG/DSS
P8	Optional
P9	Optional

ORDERING INFORMATION:

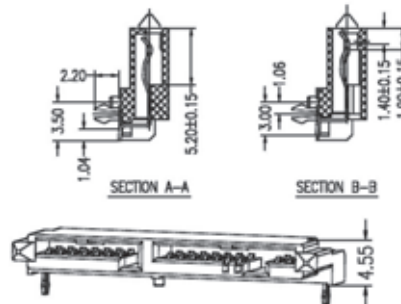
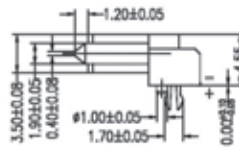
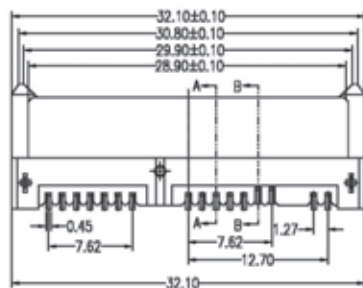
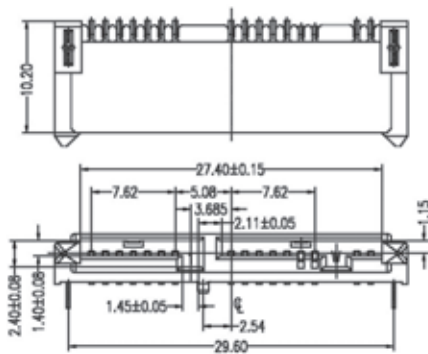
P/N S A T A 1 6 - S 1 M B x x

1. NO. OF CONTACTS:
"16" 7P+7P+2P
2. CONNECTOR CODE:
"S1" SMT TYPE WITH COVER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

MICRO SATA 7+7+2 PIN FEMALE CONNECTOR REVERSE MOUNT SMT TYPE



**Recommended P.C.Board Layout
Top View (T=1.00mm)**



Pin Number	Signal Name
S1	GND
S2	RK+
S3	RK-
S4	GND
S5	TX-
S6	TX+
S7	GND

Pin Number	Power Line Designation
P1	+3.3V
P2	+3.3V
P3	GND
P4	GND
P5	+5.5V
P6	+5.5V
P7	DAS/DSS
P8	Optional
P9	Optional

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

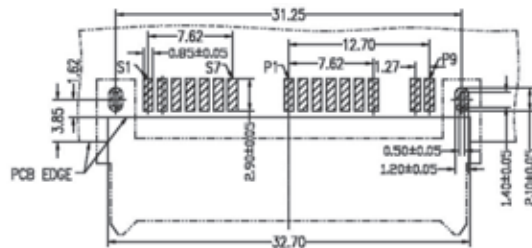
***RoHS & REACH compliant.**

ORDERING INFORMATION:

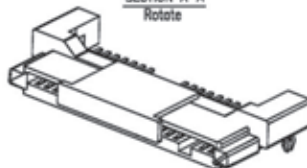
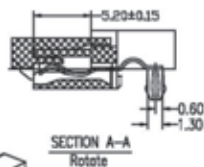
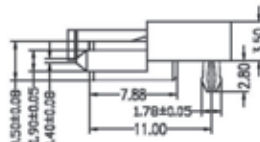
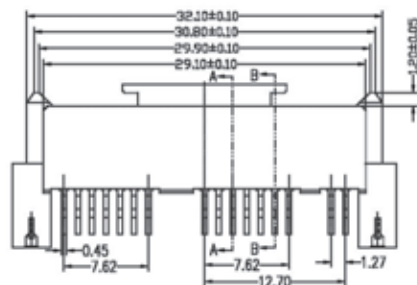
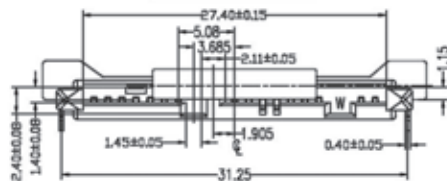
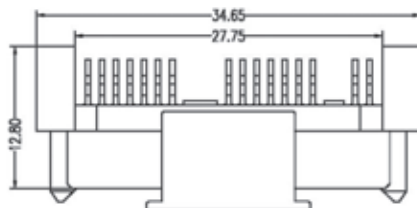
P/N S A T A 1 6 - S 2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"16" 7P+7P+2P
2. CONNECTOR CODE:
"S2" REVERSE SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

MICRO SATA 7+7+2 PIN FEMALE CONNECTOR REVERSE MOUNT SMT TYPE

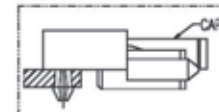
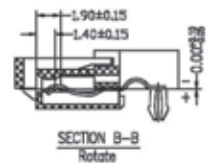


Recommended P.C.Board Layout
Top View (T=1.60mm)



Pin Number	Signal Name
S1	GND
S2	RX+
S3	RX-
S4	GND
S5	TX-
S6	TX+
S7	GND

Pin Number	Power Line Designation
P1	+3.3V
P2	+3.3V
P3	GND
P4	GND
P5	+5.5V
P6	+5.5V
P7	DAS/DSS
P8	Optional
P9	Optional



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

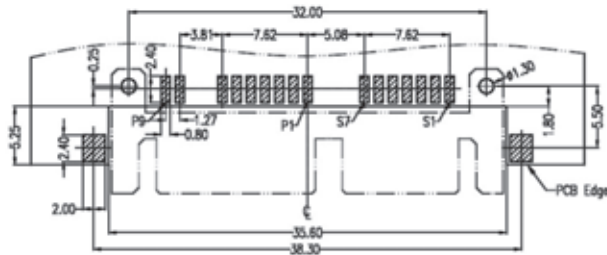
*RoHS & REACH compliant.

ORDERING INFORMATION:

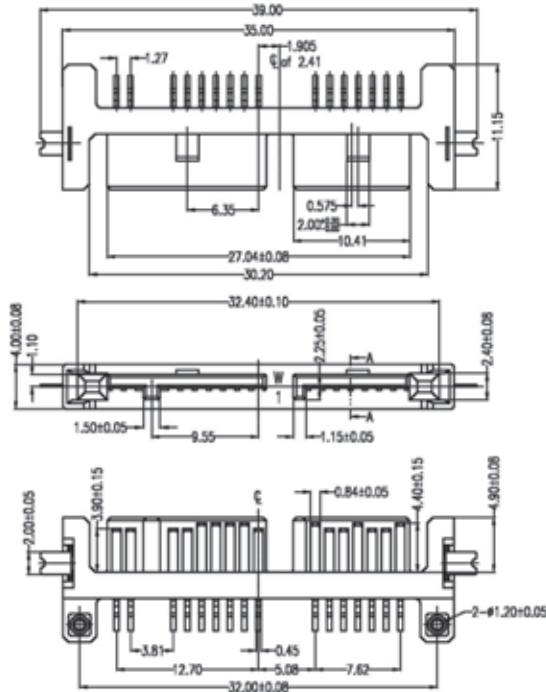
P/N S A T A 16 - S3 F B x 5

1. NO. OF CONTACTS:
"16" 7P+7P+2P
2. CONNECTOR CODE:
"S3" REVERSE SUBSIDE SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+7+2 PIN MALE CONNECTOR SMT TYPE

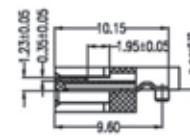
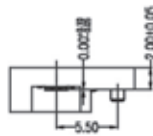


Recommended P.C.Board Layout
Top View (T=0.85mm)

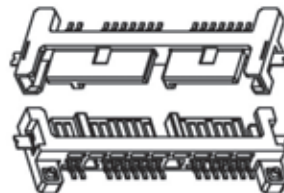


Pin Number	Signal Name
S1	GND
S2	IRE+
S3	IRE-
S4	GND
S5	TX-
S6	TX+
S7	GND

Pin Number	Power Line Designation
P1	+3.3V
P2	+3.3V
P3	GND
P4	GND
P5	+5.5V
P6	+5.5V
P7	DMA/CSS
P8	Optional
P9	Optional



Section A-A



ORDERING INFORMATION:

P/N S A T A 1 6 - S 4 M B x x

1. NO. OF CONTACTS:
"16" 7P+7P+2P
2. CONNECTOR CODE:
"S4" SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

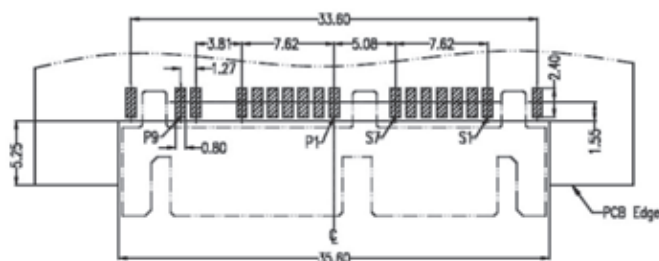
Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

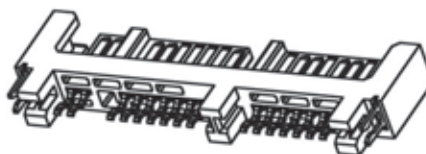
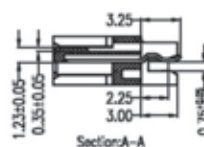
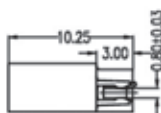
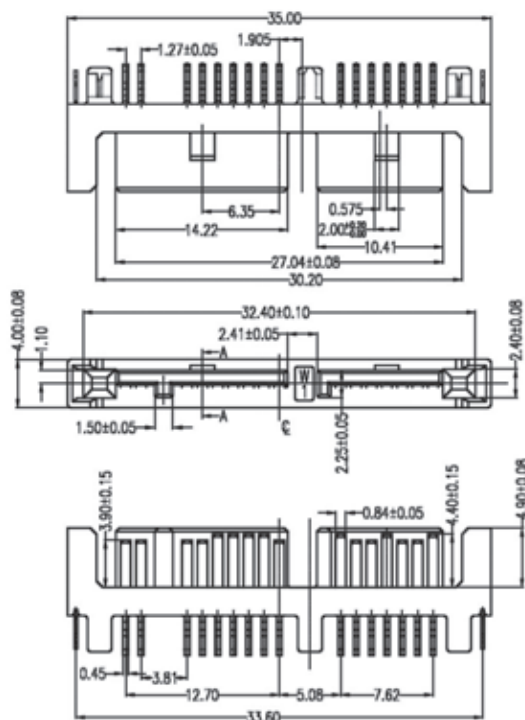
Solder Tail

***RoHS & REACH compliant.**

SERIAL ATA (SATA) 7+7+2 PIN MALE CONNECTOR STRADDLE TYPE



Recommended P.C.Board Layout Top View (T=0.85mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

***RoHS & REACH compliant.**

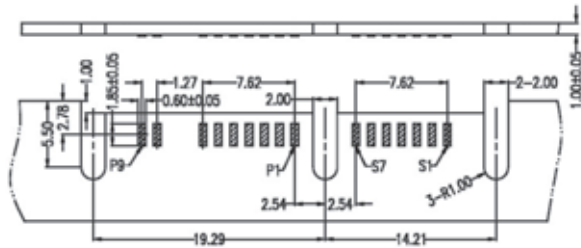
Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	+3.3V
S2	RX+	P2	+3.3V
S3	RX-	P3	GND
S4	GND	P4	GND
S5	TX-	P5	+5.5V
S6	TX+	P6	+5.5V
S7	GND	P7	DMS/255
		P8	Optional
		P9	Optional

ORDERING INFORMATION:

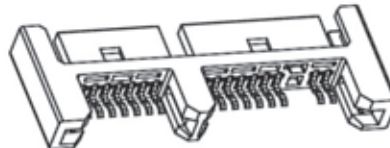
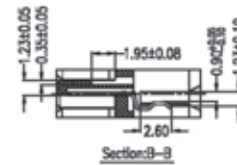
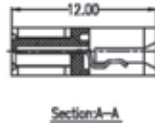
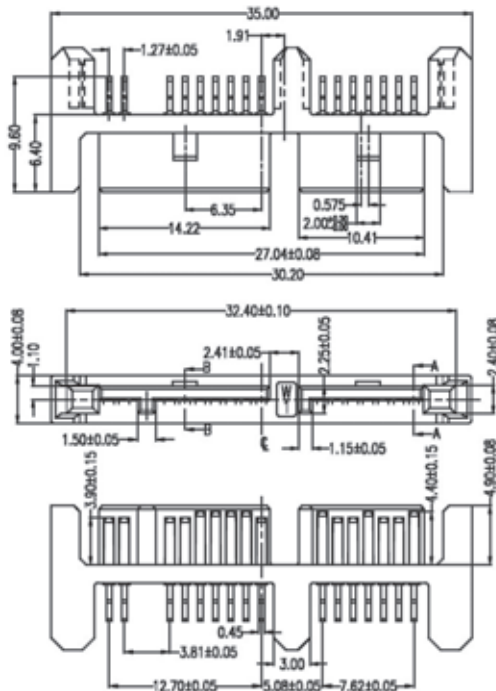
P/N S A T A 16 - S5 M B xx

1. NO. OF CONTACTS:
"16" 7P+7P+2P
2. CONNECTOR CODE:
"S5" STRADDLE TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+7+2 PIN MALE CONNECTOR STRADDLE TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

***RoHS & REACH compliant.**

Pin Number	Signal Name	Description
S1	GND	
S2	A+	Differential Signal
S3	A-	
S4	GND	
S5	B-	Differential Signal
S6	B+	
S7	GND	

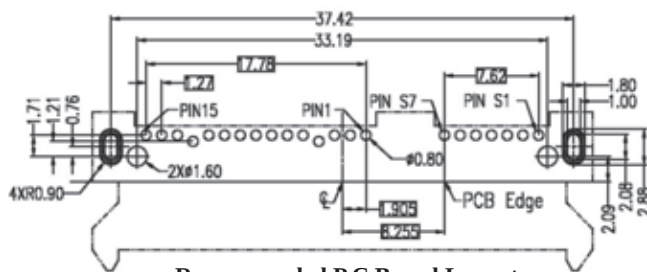
Pin Number	Power Designation
P1	+3.3V
P2	+3.3V
P3	GND
P4	GND
P5	+5V
P6	+5V
P7	Reserved
P8	Optional
P9	Optional

ORDERING INFORMATION:

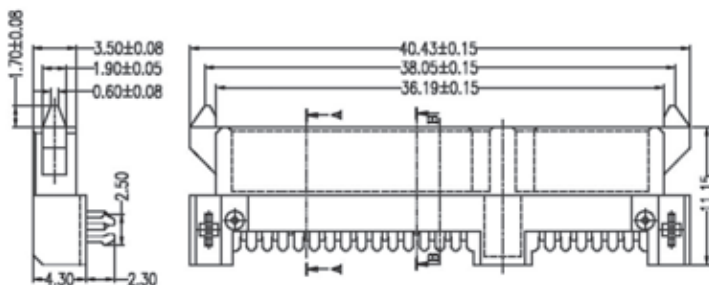
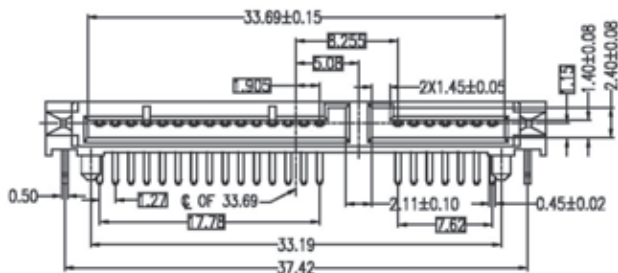
P/N S A T A 1 6 - S 6 M B x x

1. NO. OF CONTACTS:
"16" 7P+7P+2P
2. CONNECTOR CODE:
"S6" STRADDLE TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

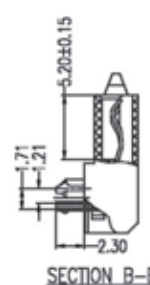
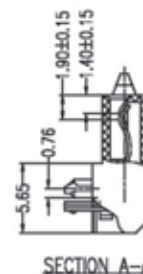
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Component Side (T=1.20mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	QD	P1	V13	P9	V5
S2	QD	P2	V13	P10	QD
S3	QD	P3	V13	P11	QD
S4	QD	P4	V13	P12	QD
S5	QD	P5	QD	P13	V12
S6	QD	P6	QD	P14	V12
S7	QD	P7	V5	P15	V12
S8	QD	P8	V5		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

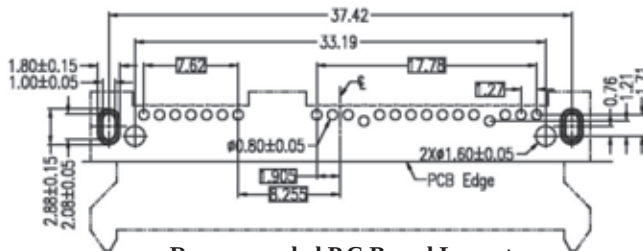
*RoHS & REACH compliant.

ORDERING INFORMATION:

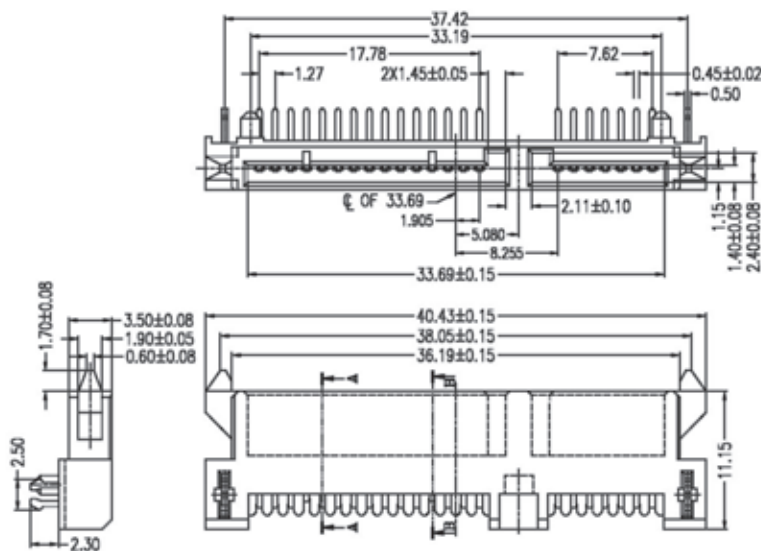
P/N S A T A 22 - A1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"A1" R/A DIP TYPE HEIGHT=4.30MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT RIGHT ANGLE DIP TYPE

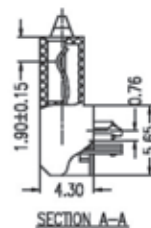


Recommended P.C.Board Layout
Component Side (T=1.20mm)



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B+
S6	B-
S7	GND

Power Segment			
Name	Type	Name	Type
P1	V33	P9	V5
P2	V33	P10	GND
P3	V33	P11	DAS/SS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	GND	P15	V12
P8	5V		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

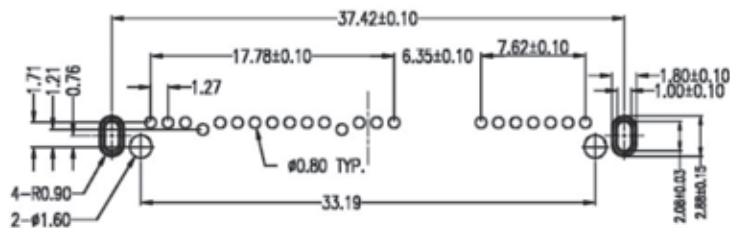
***RoHS & REACH compliant.**

ORDERING INFORMATION:

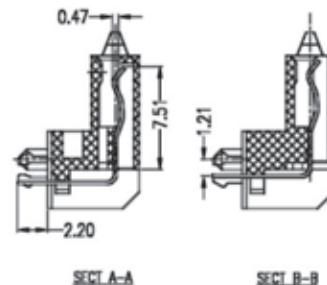
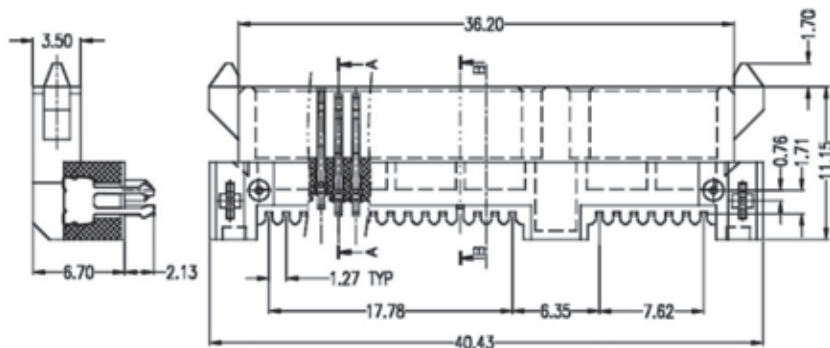
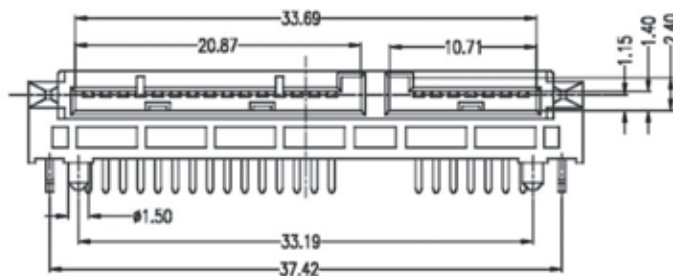
P/N S A T A 2 2 - A 2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"A2" REVERSE R/A DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
(T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 2 2 - A 3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"22" 7P+15P

2. CONNECTOR CODE:

"A3" R/A DIP TYPE

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

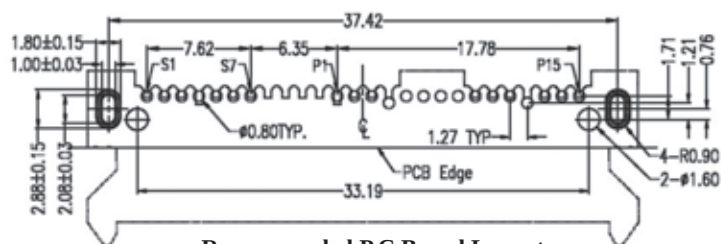
5. CONTACT FINISH:

"01" GOLD FLASH

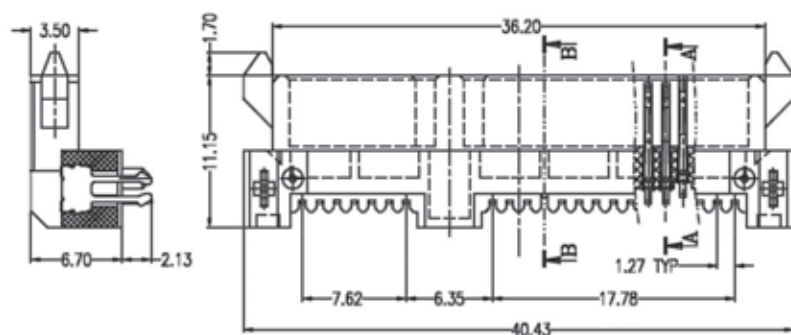
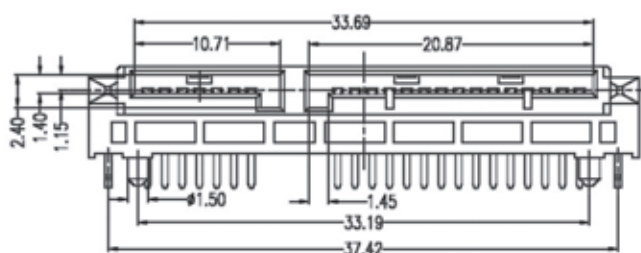
"05" 05 MICROINCH GOLD

"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT RIGHT ANGLE DIP TYPE

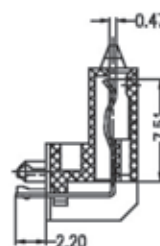


Recommended P.C. Board Layout
(T=1.20mm)



Signal Segment	
Name	Type
S1	GND
S2	At
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

Power Segment			
Name	Type	Name	Type
P1	V33	P6	V5
P2	V33	P10	GND
P3	V33	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		



SECT A-A



SECT B-B

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

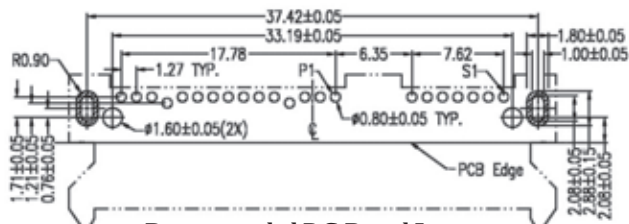
*RoHS & REACH compliant.

ORDERING INFORMATION:

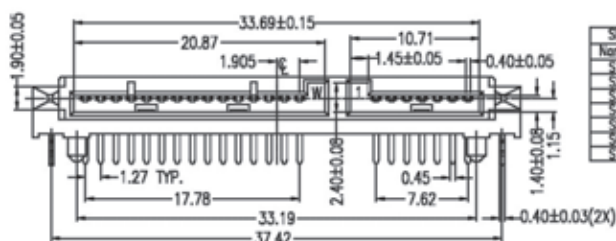
P/N S A T A 22 - A4 F B xx
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"A4" REVERSE R/A DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE

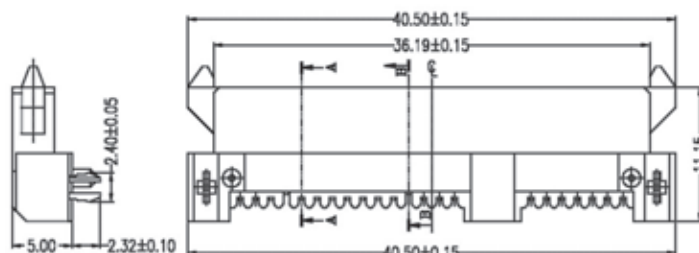


Recommended P.C. Board Layout
Component Side (T=1.60mm)



Signal Segment	
Name	Type
P1	CND
P2	A+
P3	A-
P4	CND
P5	CND
P6	CND
P7	CND
P8	CND

Power Segment			
Name	Type	Name	Type
P9	V33	P10	V5
P11	V33	P12	V33
P13	V33	P14	V33
P15	V33	P16	V33
P17	V33	P18	V33
P19	V33	P20	V33
P21	V33	P22	V33
P23	V33	P24	V33
P25	V33	P26	V33
P27	V33	P28	V33
P29	V33	P30	V33
P31	V33	P32	V33
P33	V33	P34	V33
P35	V33	P36	V33
P37	V33	P38	V33
P39	V33	P40	V33
P41	V33	P42	V33
P43	V33	P44	V33
P45	V33	P46	V33
P47	V33	P48	V33
P49	V33	P50	V33
P51	V33	P52	V33
P53	V33	P54	V33
P55	V33	P56	V33
P57	V33	P58	V33
P59	V33	P60	V33
P61	V33	P62	V33
P63	V33	P64	V33
P65	V33	P66	V33
P67	V33	P68	V33
P69	V33	P70	V33
P71	V33	P72	V33
P73	V33	P74	V33
P75	V33	P76	V33
P77	V33	P78	V33
P79	V33	P80	V33
P81	V33	P82	V33
P83	V33	P84	V33
P85	V33	P86	V33
P87	V33	P88	V33
P89	V33	P90	V33
P91	V33	P92	V33
P93	V33	P94	V33
P95	V33	P96	V33
P97	V33	P98	V33
P99	V33	P100	V33



SECT A-A

SECT B-B

ORDERING INFORMATION:

P/N S A T A 22 - A5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"A5" R/A DIP TYPE HEIGHT=5.00MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SPECIFICATIONS

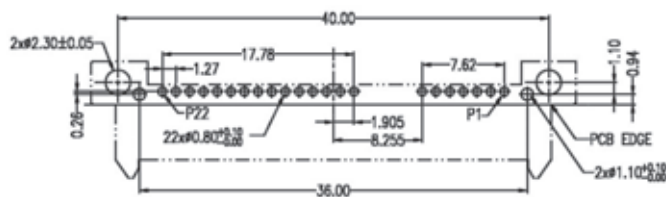
Current Rating: 1.5 Amperes
Insulation Resistance: 1000MΩ Min
Dielectric Withstanding: 500V AC
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

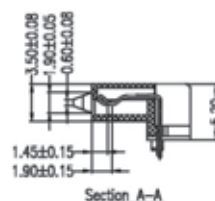
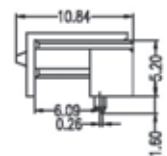
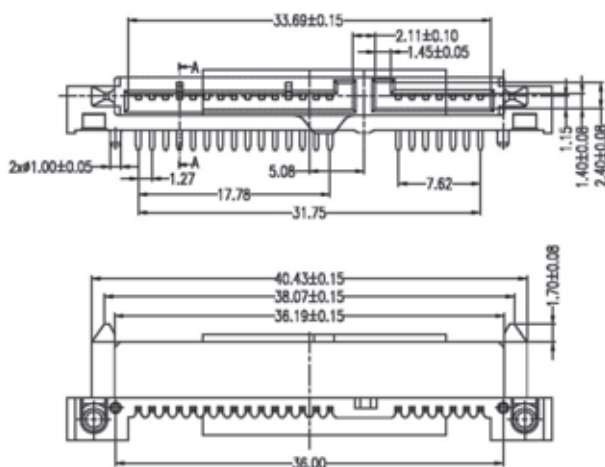
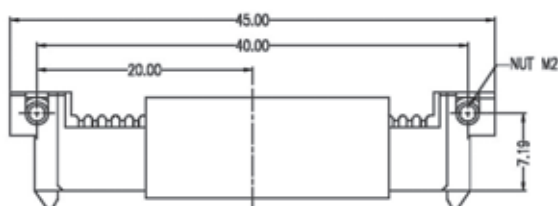
Housing: LCP, UL94V-0
Contact: Phosphor Bronze
Plating: Au Plating on Contact Area;
Tin (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE

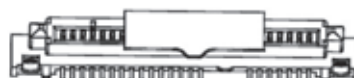


Recommended P.C.Board Layout Component Side (T=1.20mm)



Section A-A

Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V33	P9	V5
S2	A+	P2	V33	P10	GND
S3	A-	P3	V33	P11	DAS/VSS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		



ORDERING INFORMATION:

P/N SAT A 22 - A6 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"A6" R/A DIP TYPE WITH SCREWS
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

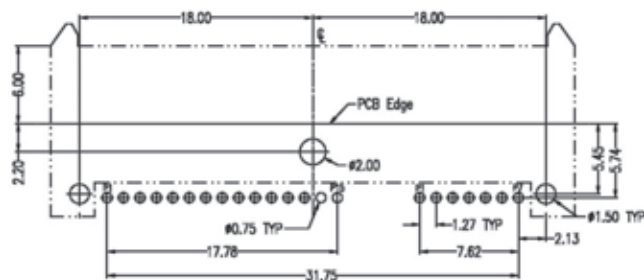
Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

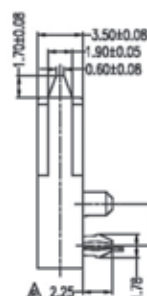
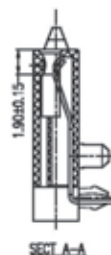
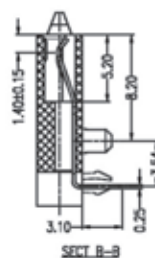
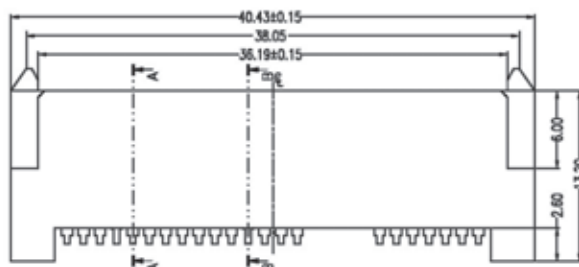
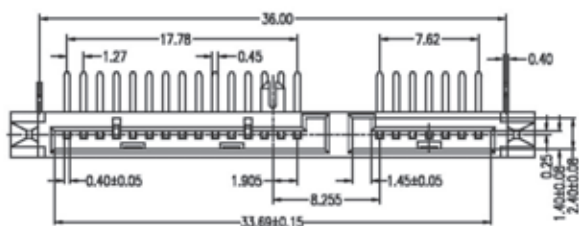
Solder Tail

***RoHS & REACH compliant.**

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout
Top View (T=1.30/1.60mm)



Signal Segment		Power Segment	
Name	Type	Name	Type
S1	GND	P1	V33
S2	A+	P2	V33
S3	A-	P3	V33
S4	GND	P4	GND
S5	B-	P5	GND
S6	B+	P6	GND
S7	GND	P7	V5
		P8	V5
		P9	V5
		P10	GND
		P11	DES/SS
		P12	GND
		P13	V12
		P14	V12
		P15	V12

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

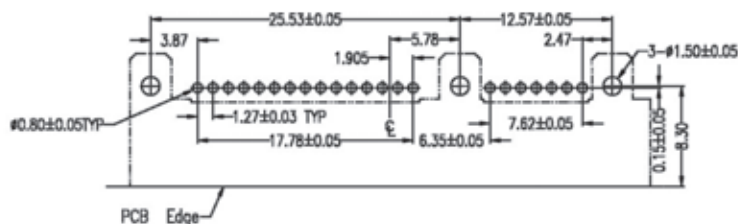
*RoHS & REACH compliant.

ORDERING INFORMATION:

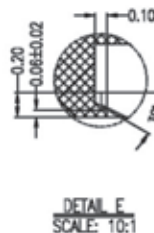
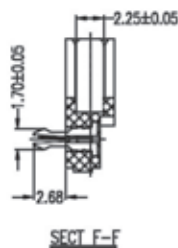
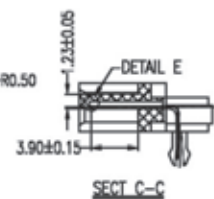
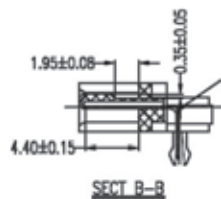
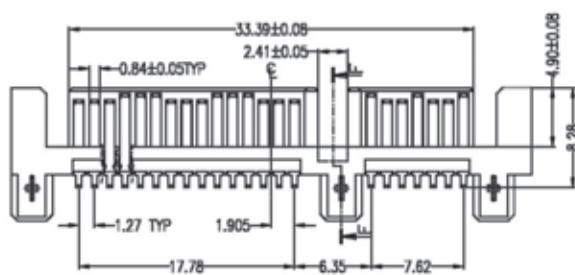
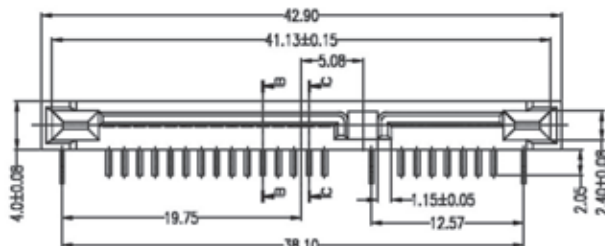
P/N S A T A 22 - A7 F B x x
1 2 3 4 5

- NO. OF CONTACTS:
"22" 7P+15P
- CONNECTOR CODE:
"A7" SATA FOR RISER CARD
- CONTACT TYPE:
"F" FEMALE
- INSULATOR COLOR:
"B" BLACK
- CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

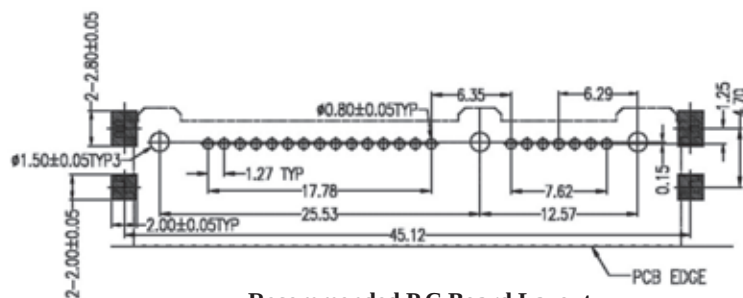
*RoHS & REACH compliant.

ORDERING INFORMATION:

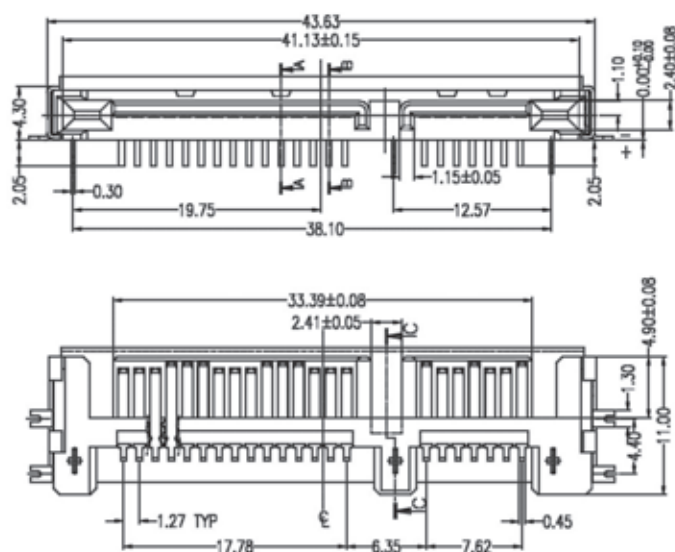
P/N S A T A 2 2 - A 8 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"A8" SATA FOR H.D.
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR METAL SHIELDED RIGHT ANGLE DIP TYPE

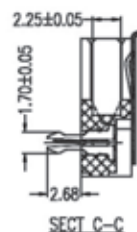
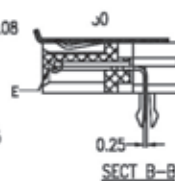
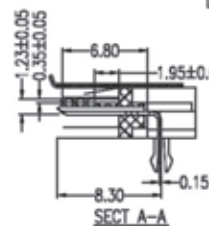


Recommended P.C.Board Layout
Component Side (T=1.60mm)



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

Power Segment			
Name	Type	Name	Type
P1	V3.3	P9	V5
P2	V3.3	P10	GND
P3	V3.3	P11	DAS/SS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		

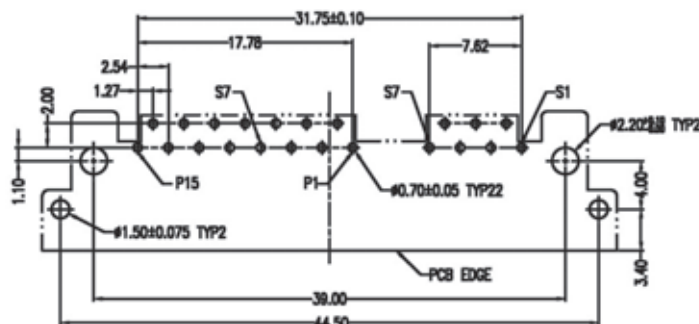


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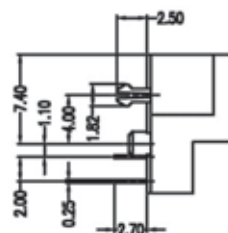
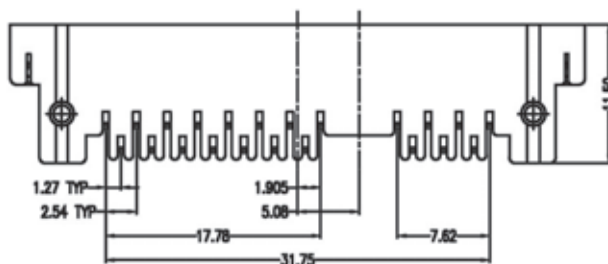
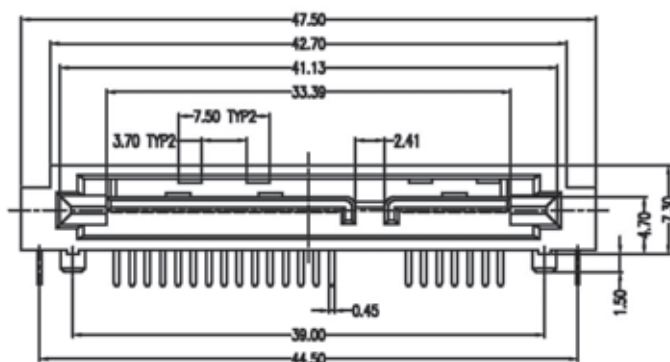
P/N S A T A 22 - A9 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"A9" SATA FOR H.D.
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

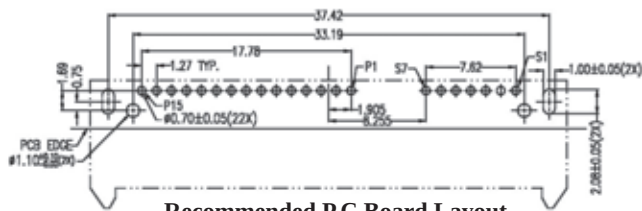
***RoHS & REACH compliant.**

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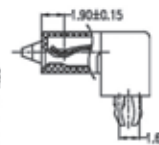
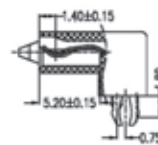
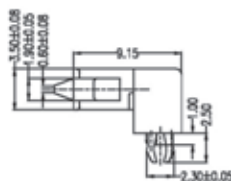
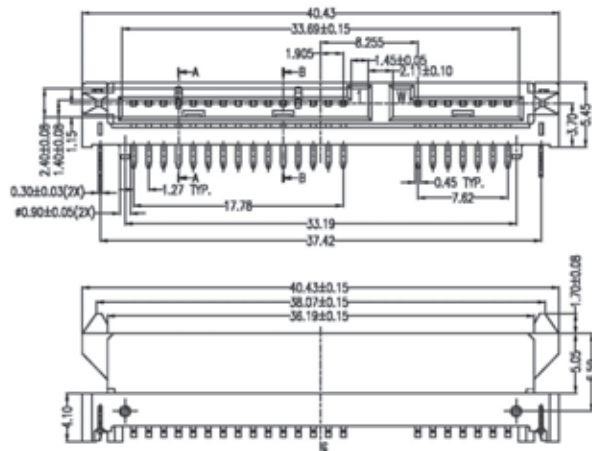
P/N S A T A 2 2 - B 1 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B1" DOUBLE ROW R/A TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout Component Side (T=1.20mm)



Pin NO.	Signal Name	Pin NO.	Power Name	Pin NO.	Power Name
S1	GND	P1	V33	P9	V5
S2	A+	P2	GND	P10	GND
S3	A-	P3	V33	P11	DAS/DSS
S4	GND	P4	GND	P12	GND
S5	DA+	P5	GND	P13	V12
S6	DA-	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

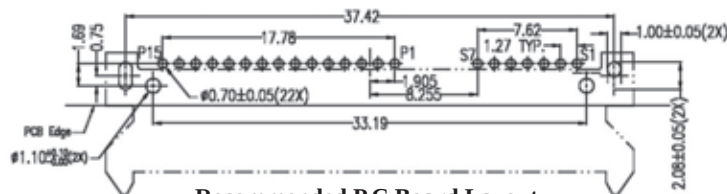
***RoHS & REACH compliant.**

ORDERING INFORMATION:

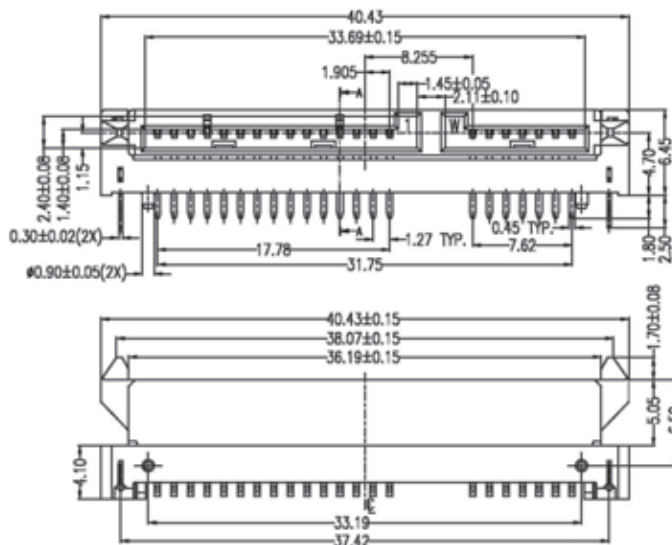
P/N SATA
22-B2FBx x
12345

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B2" R/A DIP TYPE QUAKEPROOF
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Component Side (T=1.20mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

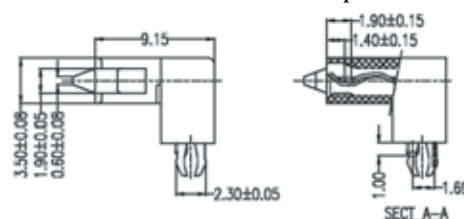
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

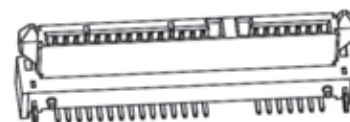
Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.



Pin NO.	Signal Name	Pin NO.	Power Name	Pin NO.	Power Name
S1	GND	P1	V33	P9	V5
S2	A+	P2	V33	P10	GND
S3	A-	P3	V33	P11	DAS/SS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		

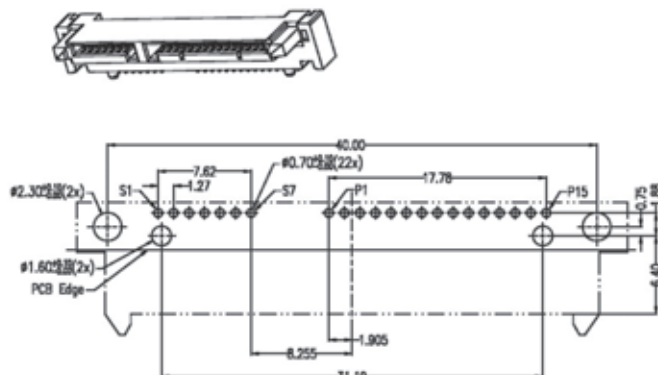


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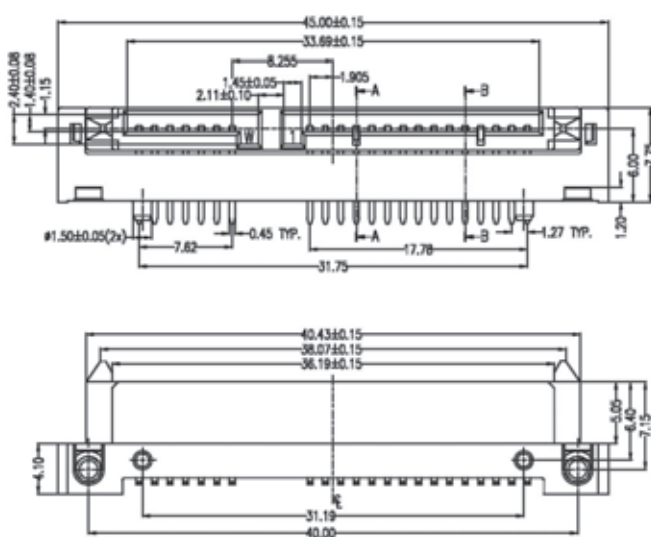
P/N S A T A 22 - B3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B3" R/A DIP TYPE QUAKEPROOF
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

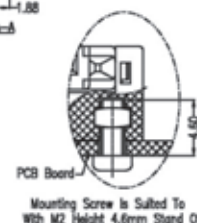
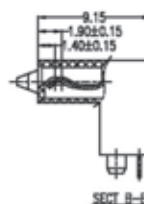
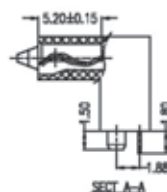
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.20mm)



Pin No.	Signal Name	Pin No.	Power Name	Pin No.	Power Name
1	20	1	V+5	16	GND
2	20	2	V+5	17	NC
3	20	3	V+5	18	NC
4	20	4	V+5	19	NC
5	20	5	V+5	20	NC
6	20	6	V+5	21	NC
7	20	7	V+5	22	NC
8	20	8	V+5	23	NC
9	20	9	V+5	24	NC
10	20	10	V+5	25	NC
11	20	11	V+5	26	NC
12	20	12	V+5	27	NC
13	20	13	V+5	28	NC
14	20	14	V+5	29	NC
15	20	15	V+5	30	NC



Mounting Screw is Soldered To
With M2 Height 4.6mm Stand Off.

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

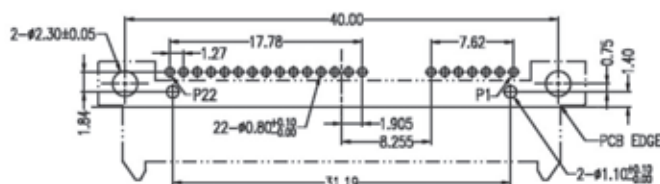
ORDERING INFORMATION:

P/N S A T A 22 - B4 F B x x - x
1 2 3 4 5 6

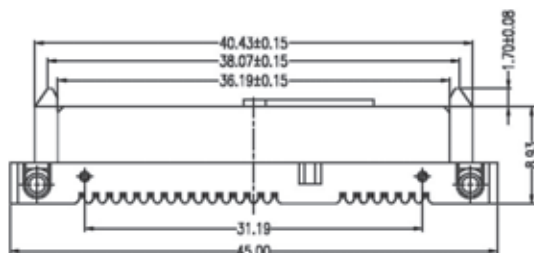
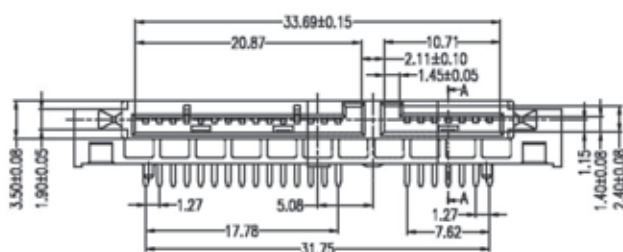
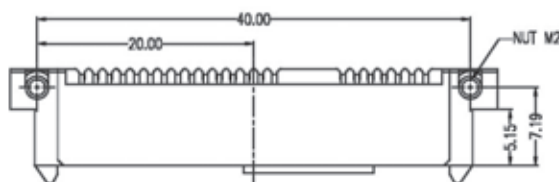
1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B4" R/A DIP TYPE QUAKEPROOF
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

6. PACKAGE TYPE:
"0" TRAY
"R" TAPE & REEL

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Top View (T=1.40mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

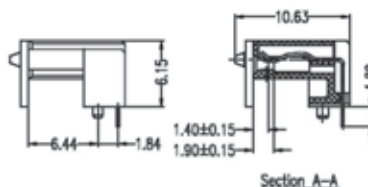
MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
P1	VSS	P9	VSS	P10	VSS
P2	VSS	P11	VSS	P12	VSS
P3	VSS	P13	VSS	P14	VSS
P4	VSS	P15	VSS	P16	VSS
P5	VSS	P17	VSS	P18	VSS
P6	VSS	P19	VSS	P20	VSS
P7	VSS	P21	VSS	P22	VSS
P8	VSS	P23	VSS	P24	VSS
P9	VSS	P25	VSS	P26	VSS
P10	VSS	P27	VSS	P28	VSS
P11	VSS	P29	VSS	P30	VSS
P12	VSS	P31	VSS	P32	VSS
P13	VSS	P33	VSS	P34	VSS
P14	VSS	P35	VSS	P36	VSS
P15	VSS	P37	VSS	P38	VSS
P16	VSS	P39	VSS	P40	VSS
P17	VSS	P41	VSS	P42	VSS
P18	VSS	P43	VSS	P44	VSS
P19	VSS	P45	VSS	P46	VSS
P20	VSS	P47	VSS	P48	VSS
P21	VSS	P49	VSS	P50	VSS
P22	VSS	P51	VSS	P52	VSS
P23	VSS	P53	VSS	P54	VSS
P24	VSS	P55	VSS	P56	VSS
P25	VSS	P57	VSS	P58	VSS
P26	VSS	P59	VSS	P60	VSS
P27	VSS	P61	VSS	P62	VSS
P28	VSS	P63	VSS	P64	VSS
P29	VSS	P65	VSS	P66	VSS
P30	VSS	P67	VSS	P68	VSS
P31	VSS	P69	VSS	P70	VSS
P32	VSS	P71	VSS	P72	VSS
P33	VSS	P73	VSS	P74	VSS
P34	VSS	P75	VSS	P76	VSS
P35	VSS	P77	VSS	P78	VSS
P36	VSS	P79	VSS	P80	VSS
P37	VSS	P81	VSS	P82	VSS
P38	VSS	P83	VSS	P84	VSS
P39	VSS	P85	VSS	P86	VSS
P40	VSS	P87	VSS	P88	VSS
P41	VSS	P89	VSS	P90	VSS
P42	VSS	P91	VSS	P92	VSS
P43	VSS	P93	VSS	P94	VSS
P44	VSS	P95	VSS	P96	VSS
P45	VSS	P97	VSS	P98	VSS
P46	VSS	P99	VSS	P100	VSS

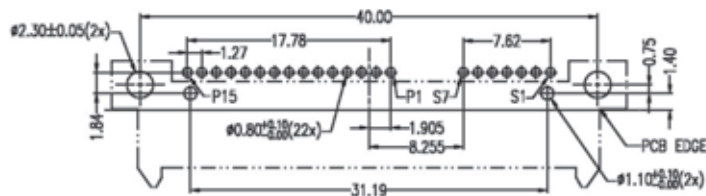
ORDERING INFORMATION:

P/N S A T A 2 2 - B 5 F B x x - x

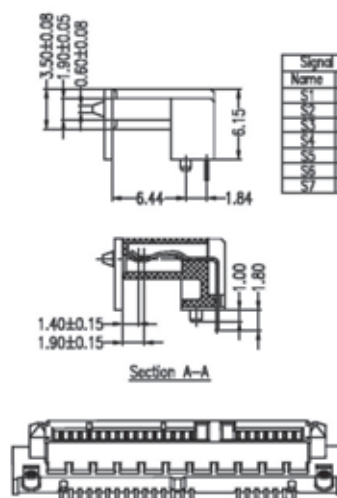
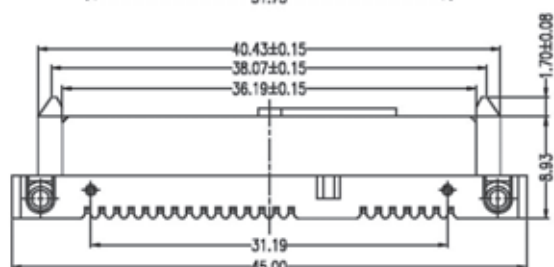
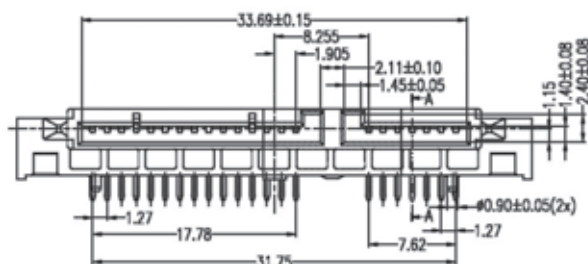
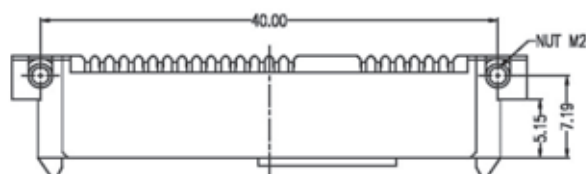
1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B5" REVERSE R/A DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

6. PACKAGE TYPE:
"0" TRAY
"R" TAPE & REEL

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Component Side (T=1.40mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V15	P9	V5
S2	A+	P2	V15	P10	GND
S3	A-	P3	V15	P11	DAS/ISS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 2 2 - B 6 F B x x - x
1 2 3 4 5 6

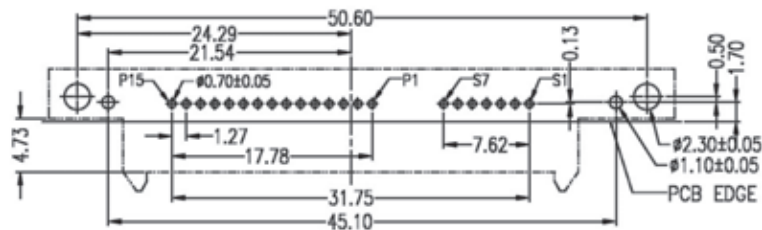
1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B6" REVERSE R/A TYPE W/O LOCK KEY
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

6. PACKAGE TYPE:

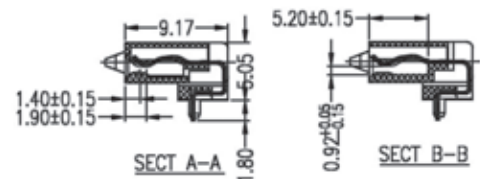
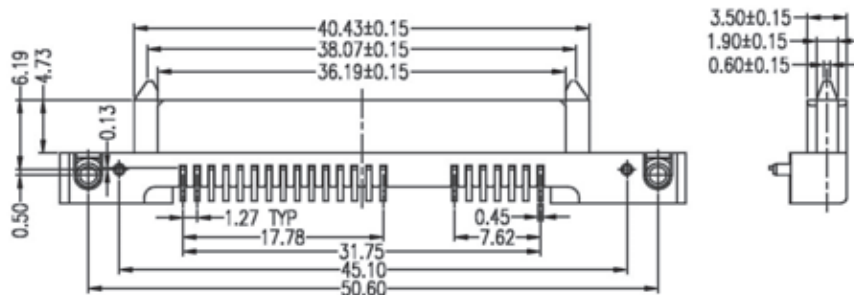
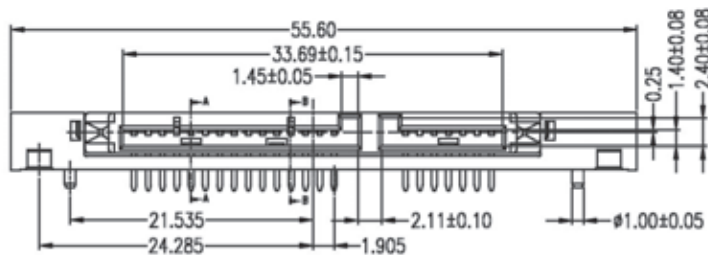
"0" TRAY

"R" TAPE & REEL

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Top View (T=1.20mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	VCC	P9	V5
S2	A+	P2	VCC	P10	GND
S3	A-	P3	VCC	P11	DAS/DSS
S4	GND	P4	VCC	P12	GND
S5	B+	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		



ORDERING INFORMATION:

P/N S A T A 22 - B7 FB xx
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B7" R/A TYPE NON-VIBRATION
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

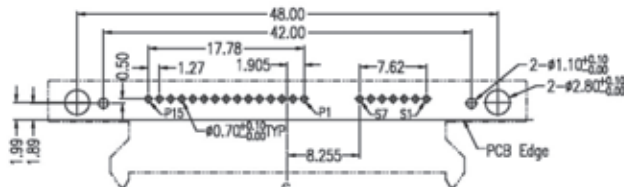
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on

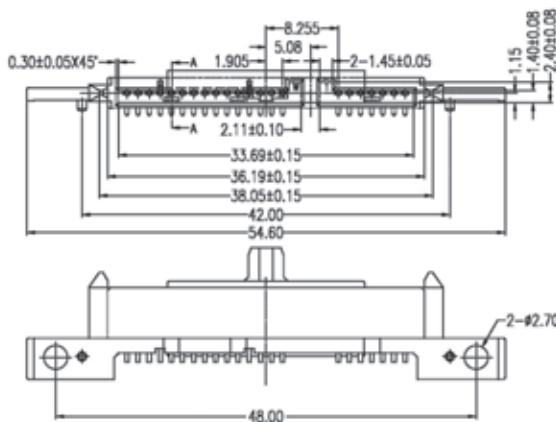
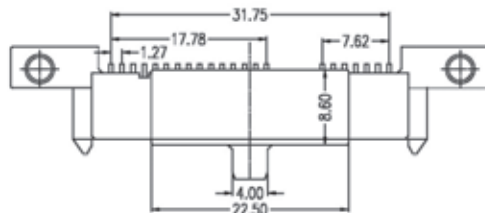
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE

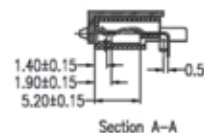
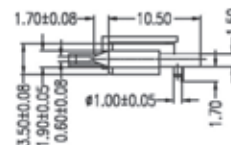


Recommended P.C.Board Layout
Top View (T=1.20mm)



Signal Segment	Name	Type
S1	000	000
S2	A+	A+
S3	A-	A-
S4	000	000
S5	000	000
S6	000	000
S7	000	000

Power Segment	Name	Type	Name	Type
P1	VCC	VCC	P8	VCC
P2	VCC	VCC	P10	VCC
P3	VCC	VCC	P11	000/000
P4	000	000	P12	000
P5	000	000	P13	VCC
P6	000	000	P14	VCC
P7	000	000	P15	VCC
P8	000	000		



Section A-A

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

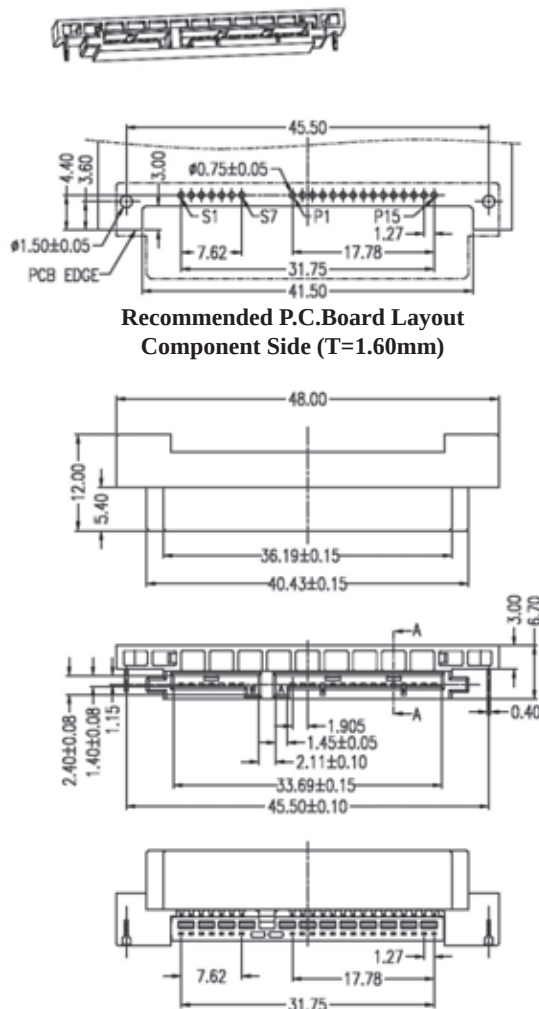
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 22 - B 8 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B8" R/A DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

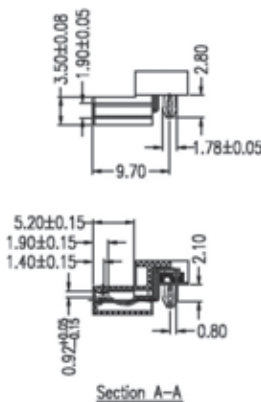
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

Signal Segment	Name	Type
S1	S1	Q20
S2	S2	A+
S3	S3	A+
S4	S4	A+
S5	S5	A+
S6	S6	A+
S7	S7	A+

Power Segment	Name	Type	Name	Type
P1	P1	VCC	P2	VCC
P3	P3	VCC	P4	VCC
P5	P5	VCC	P6	VCC
P7	P7	VCC	P8	VCC
P9	P9	VCC	P10	VCC
P11	P11	VCC	P12	VCC
P13	P13	VCC	P14	VCC
P15	P15	VCC	P16	VCC
P17	P17	VCC	P18	VCC
P19	P19	VCC	P20	VCC
P21	P21	VCC	P22	VCC
P23	P23	VCC	P24	VCC
P25	P25	VCC	P26	VCC
P27	P27	VCC	P28	VCC
P29	P29	VCC	P30	VCC
P31	P31	VCC	P32	VCC
P33	P33	VCC	P34	VCC
P35	P35	VCC	P36	VCC
P37	P37	VCC	P38	VCC
P39	P39	VCC	P40	VCC
P41	P41	VCC	P42	VCC
P43	P43	VCC	P44	VCC
P45	P45	VCC	P46	VCC
P47	P47	VCC	P48	VCC
P49	P49	VCC	P50	VCC
P51	P51	VCC	P52	VCC
P53	P53	VCC	P54	VCC
P55	P55	VCC	P56	VCC
P57	P57	VCC	P58	VCC
P59	P59	VCC	P60	VCC
P61	P61	VCC	P62	VCC
P63	P63	VCC	P64	VCC
P65	P65	VCC	P66	VCC
P67	P67	VCC	P68	VCC
P69	P69	VCC	P70	VCC
P71	P71	VCC	P72	VCC
P73	P73	VCC	P74	VCC
P75	P75	VCC	P76	VCC
P77	P77	VCC	P78	VCC
P79	P79	VCC	P80	VCC
P81	P81	VCC	P82	VCC
P83	P83	VCC	P84	VCC
P85	P85	VCC	P86	VCC
P87	P87	VCC	P88	VCC
P89	P89	VCC	P90	VCC
P91	P91	VCC	P92	VCC
P93	P93	VCC	P94	VCC
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P97	P97	VCC	P98	VCC
P99	P99	VCC	P100	VCC

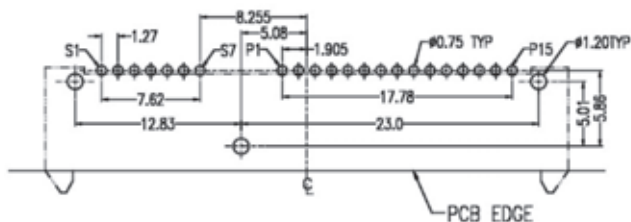


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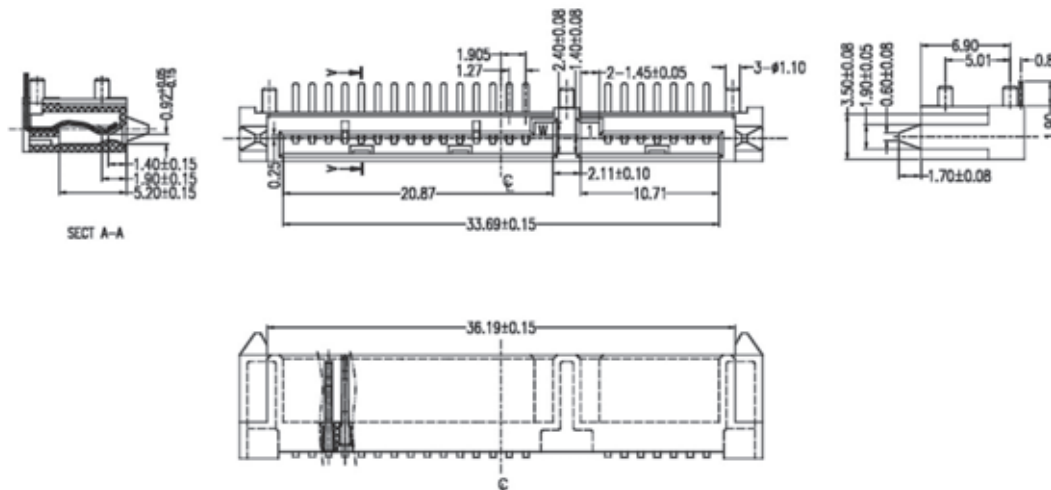
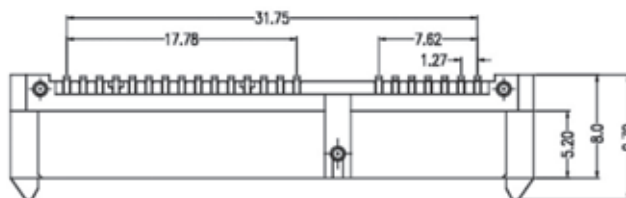
P/N S A T A 22 - B9 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"B9" R/A SUBSIDE DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE DIP TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

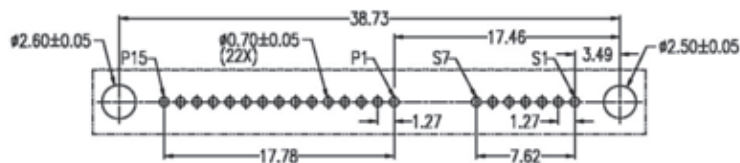
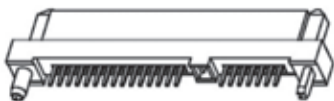
*RoHS & REACH compliant.

ORDERING INFORMATION:

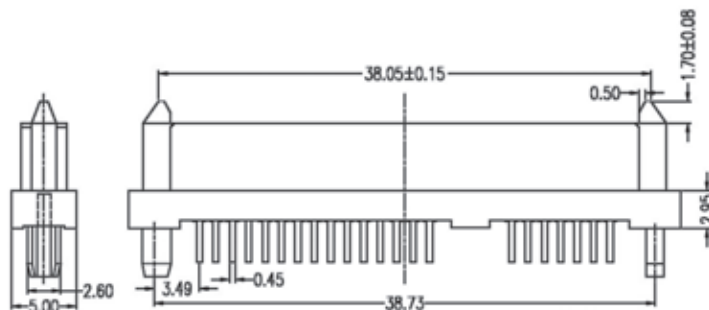
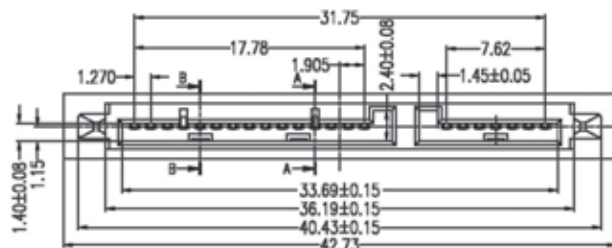
P/N S A T A 22 - C1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"C1" RIGHT ANGLE DIP TYPE HEIGHT=8.0MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE

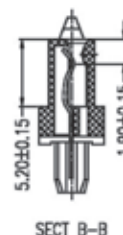
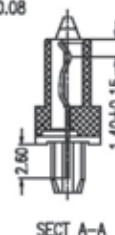
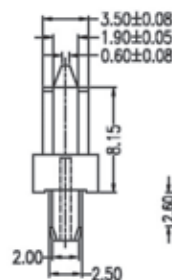


Recommended P.C. Board Layout
Component Side (T=1.60mm)



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	GND
S6	B+
S7	GND

Power Segment			
Name	Type	Name	Type
P1	V33	P8	V5
P2	V33	P10	GND
P3	V33	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		



SECT A-A

SECT B-B

ORDERING INFORMATION:

P/N S A T A 22 - H1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H1" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

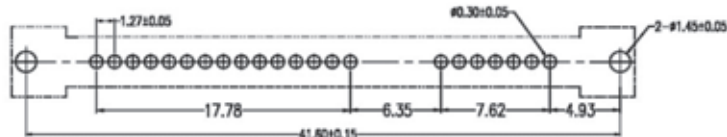
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

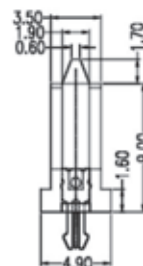
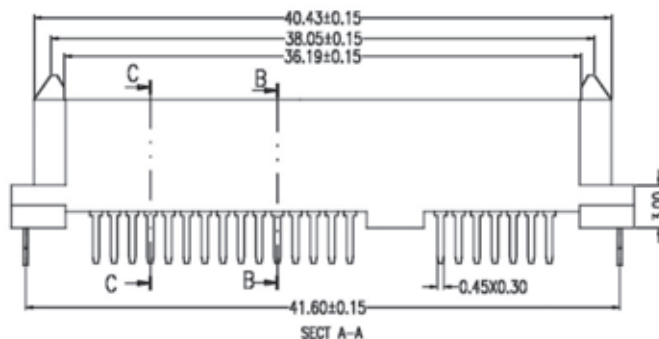
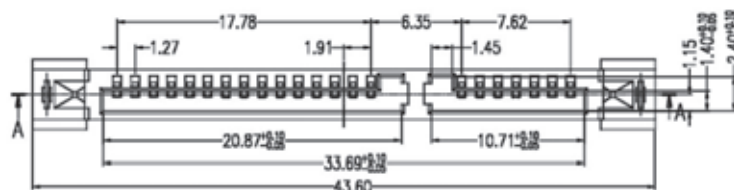
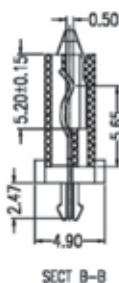
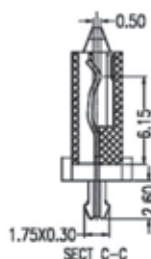
Tail; Ni (40u" Min.) Underplating overall

*RoHS & REACH compliant.

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

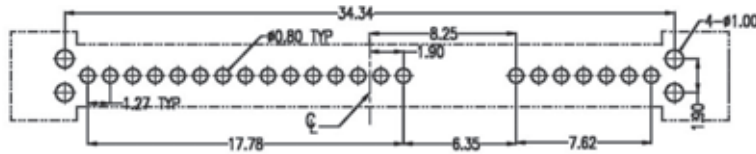
***RoHS & REACH compliant.**

ORDERING INFORMATION:

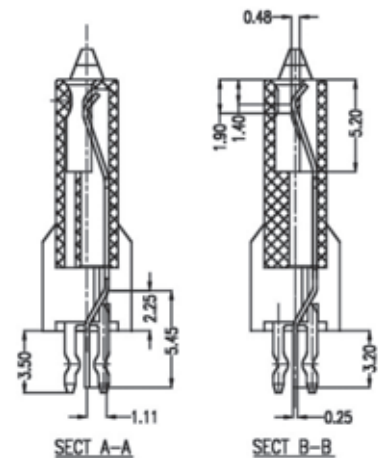
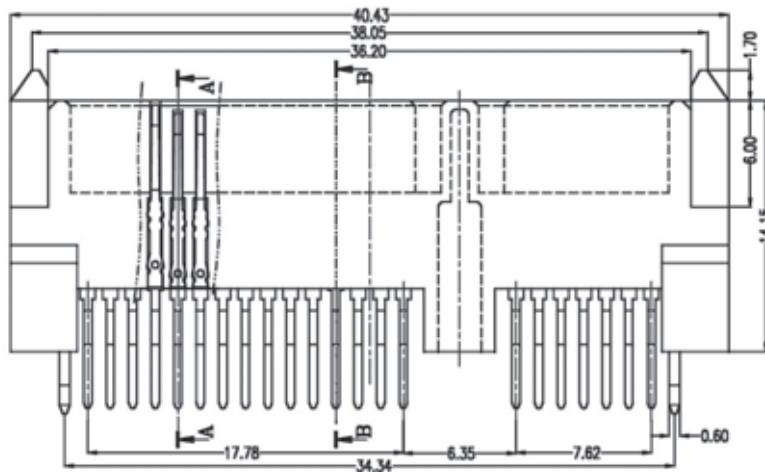
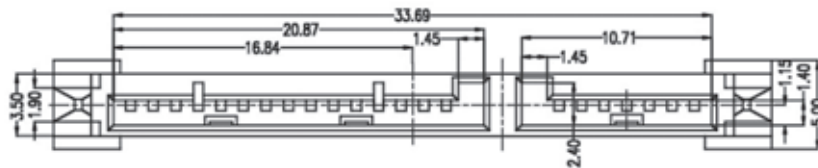
P/N SATA 22 - H 2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H2" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

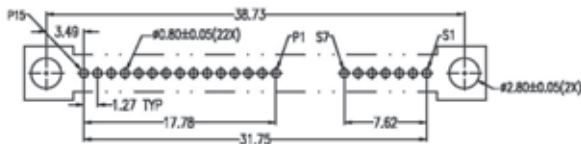
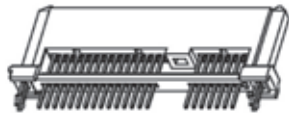
***RoHS & REACH compliant.**

ORDERING INFORMATION:

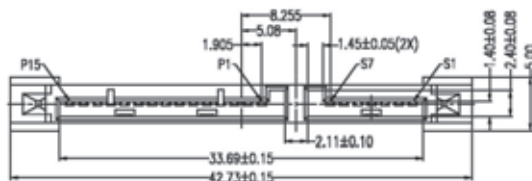
P/N S A T A
1 - 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H3" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

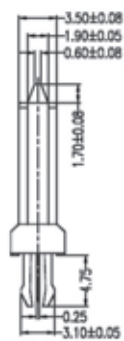
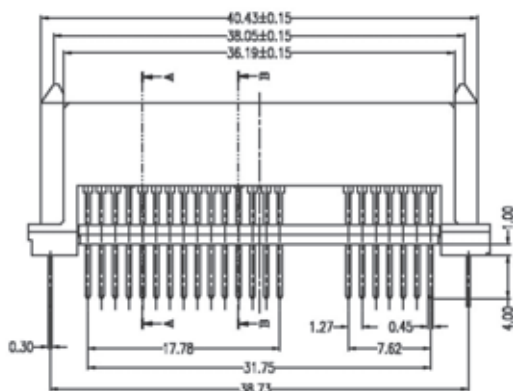
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Component Side (T=2.36mm)



Signal Segment		Power Segment	
Name	Type	Name	Type
S1	Q0	P1	V15
S2	Q0	P2	V15
S3	A+	P3	V15
S4	A-	P4	V15
S5	Q0	P5	V15
S6	Q0	P6	V15
S7	Q0	P7	V15
S8	Q0	P8	V15
S9	Q0	P9	V15
S10	Q0	P10	V15
S11	Q0	P11	V15
S12	Q0	P12	V15
S13	Q0	P13	V15
S14	Q0	P14	V15
S15	Q0	P15	V15
S16	Q0	P16	V15
S17	Q0	P17	V15
S18	Q0	P18	V15



SECT B-B

ORDERING INFORMATION:

P/N S A T A 2 2 - H 4 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H4" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SPECIFICATIONS

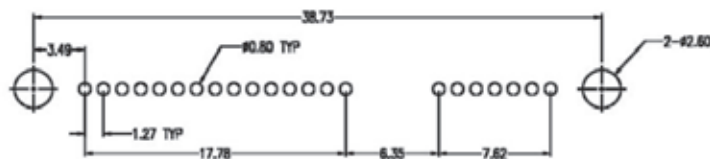
Current Rating: 1.5 Amperes
Insulation Resistance: 1000MΩ Min
Dielectric Withstanding: 500V AC
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

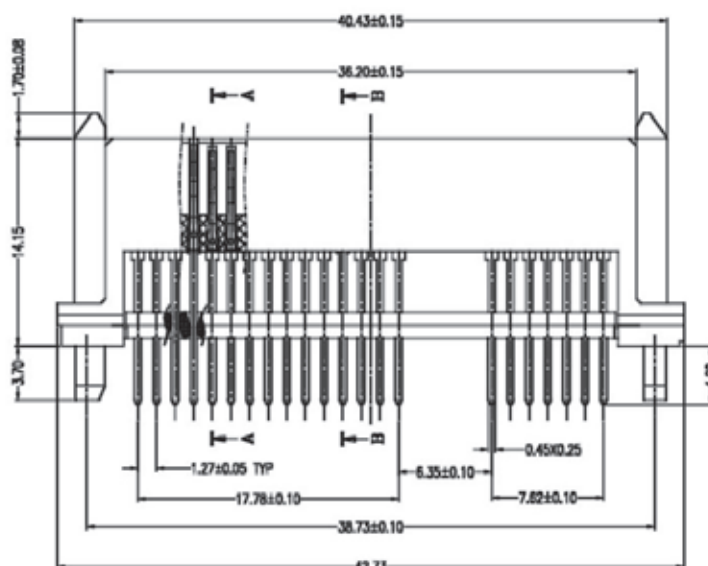
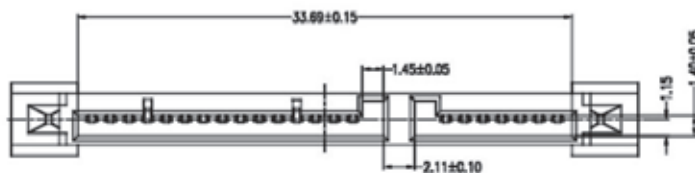
Housing: LCP, UL94V-0
Contact: Phosphor Bronze
Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

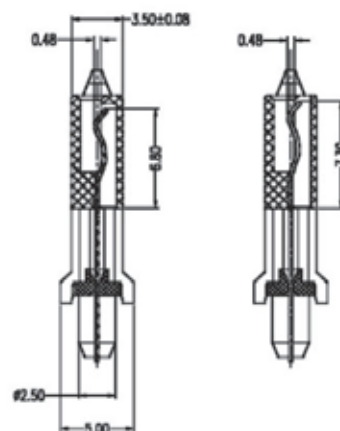
MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.



SECT A-A

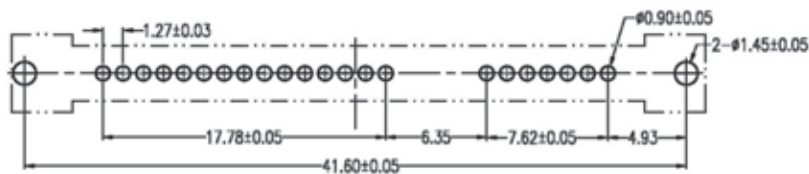
SECT B-B

ORDERING INFORMATION:

P/N S A T A 22 - H5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H5" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

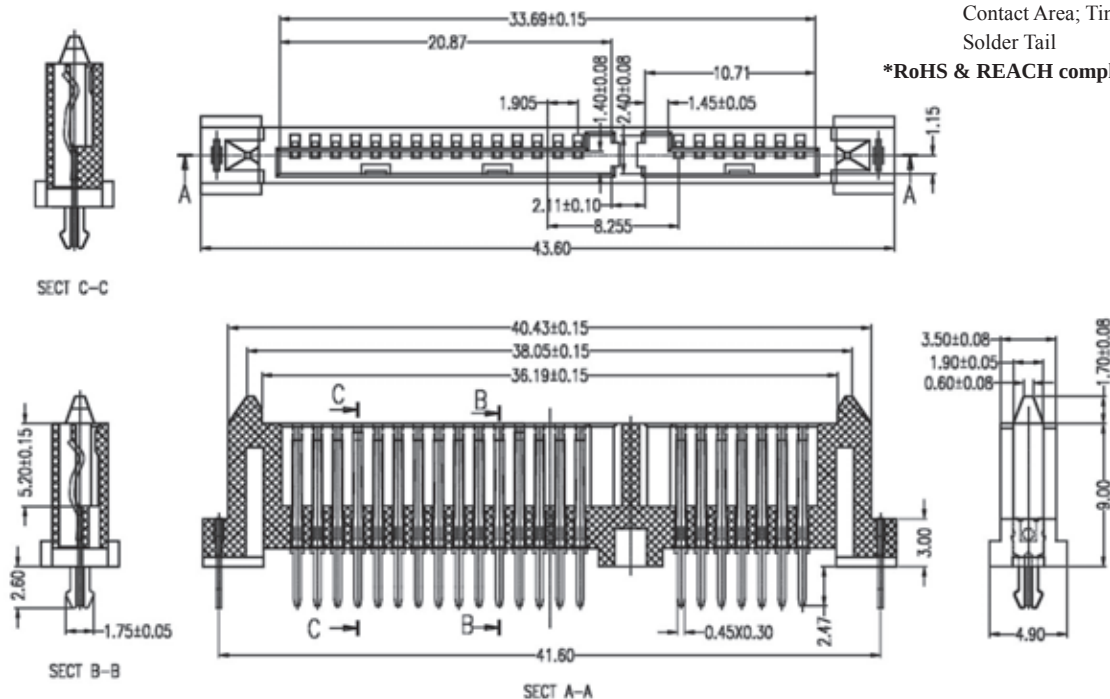
MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

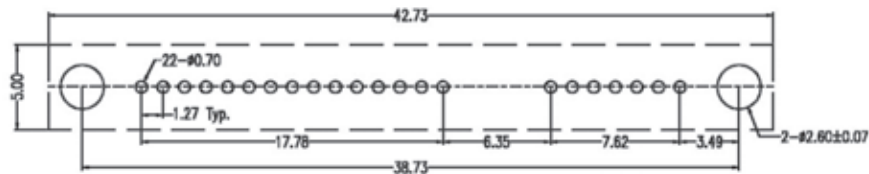


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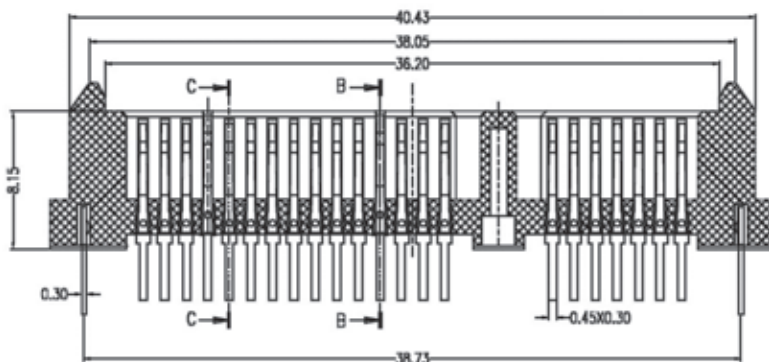
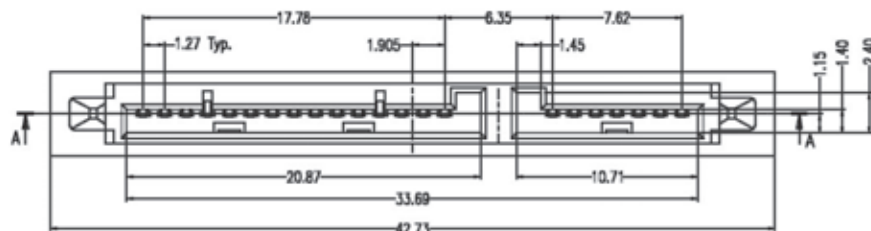
P/N S A T A 2 2 - H 6 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H6" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

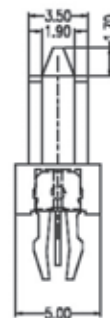
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



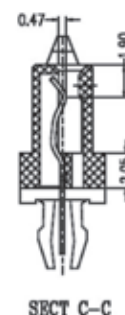
Recommended P.C.Board Layout
Top View



SECT A-A



SECT B-B



SECT C-C

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

*RoHS & REACH compliant.

ORDERING INFORMATION:

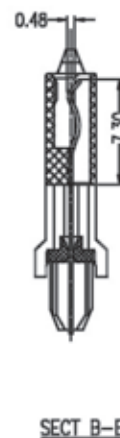
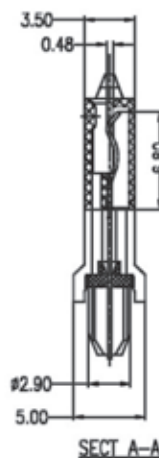
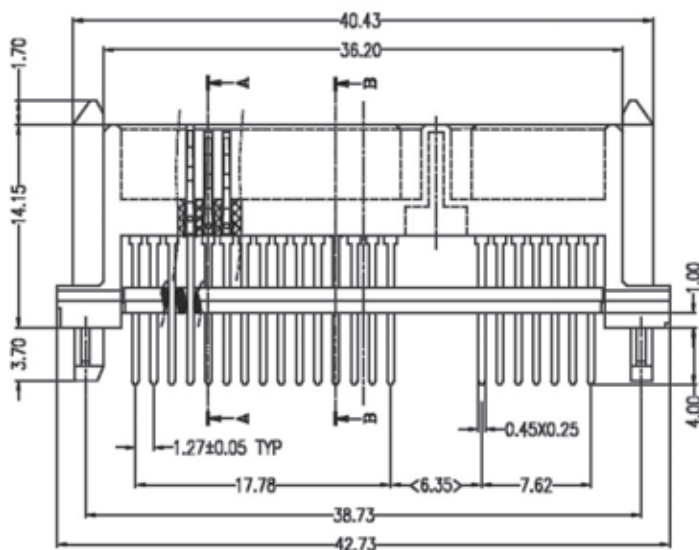
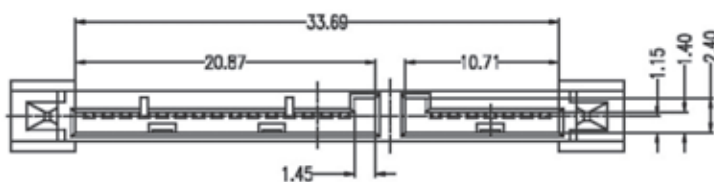
P/N S A T A 22 - H 7 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H7" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

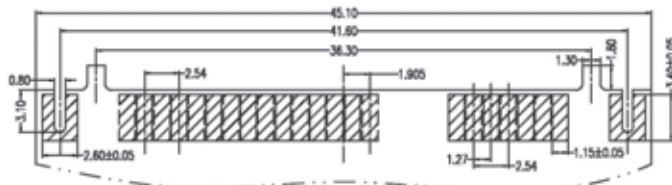
***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 2 2 - H 8 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H8" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

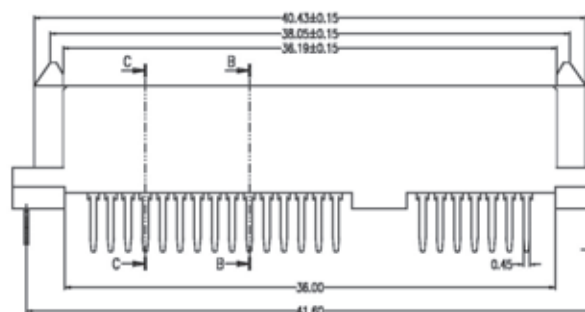
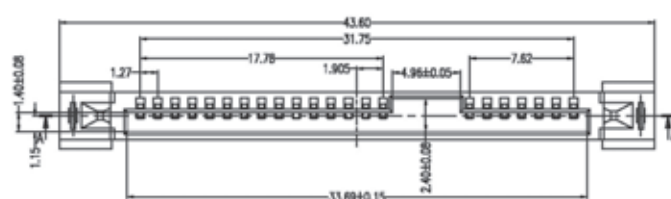
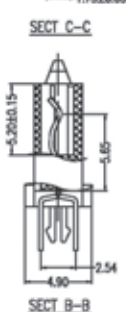
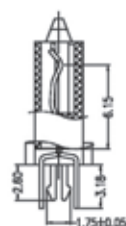
Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**

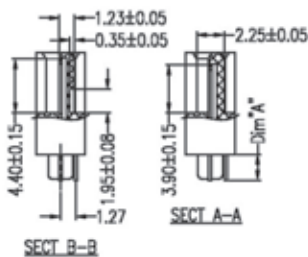
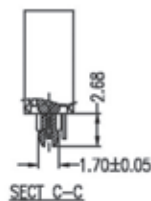
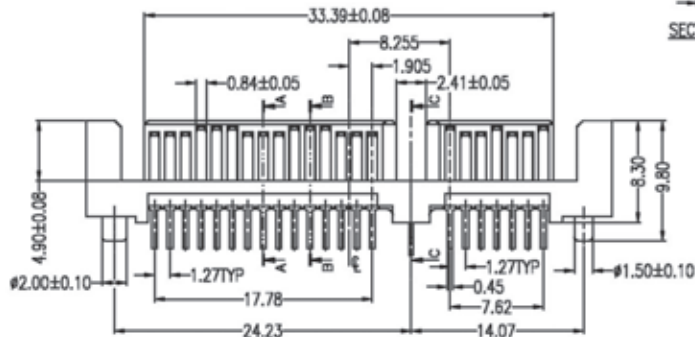
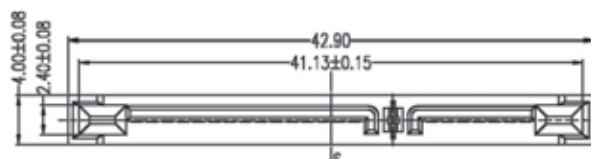
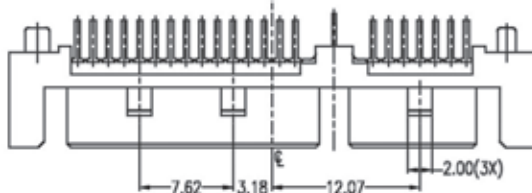
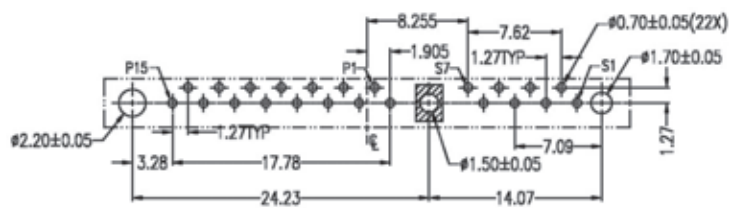


ORDERING INFORMATION:

P/N S A T A 22 - H 9 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"H9" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR STRAIGHT DIP TYPE FOR H.D.



Signal Segment		Power Segment	
Name	Type	Name	Type
P1	V15	P1	V15
P2	V15	P2	V15
P3	V15	P3	V15
P4	V15	P4	V15
P5	V15	P5	V15
P6	V15	P6	V15
P7	V15	P7	V15
P8	V15	P8	V15
P9	V15	P9	V15
P10	V15	P10	V15
P11	V15	P11	V15
P12	V15	P12	V15
P13	V15	P13	V15
P14	V15	P14	V15
P15	V15	P15	V15
P16	V15	P16	V15
P17	V15	P17	V15
P18	V15	P18	V15
P19	V15	P19	V15
P20	V15	P20	V15
P21	V15	P21	V15
P22	V15	P22	V15

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 2 2 - x x M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"22" 7P+15P

2. CONNECTOR CODE:

"J1" DIM. A=2.10MM

"J2" DIM. A=3.00MM

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

"05" 05 MICROINCH GOLD

"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR STRAIGHT DIP TYPE FOR H.D.

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

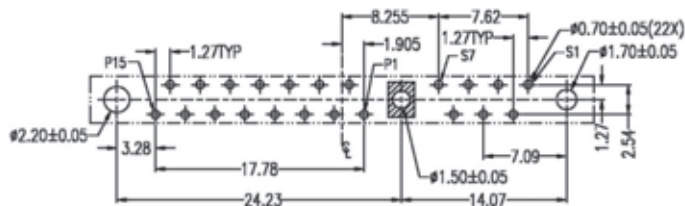
Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

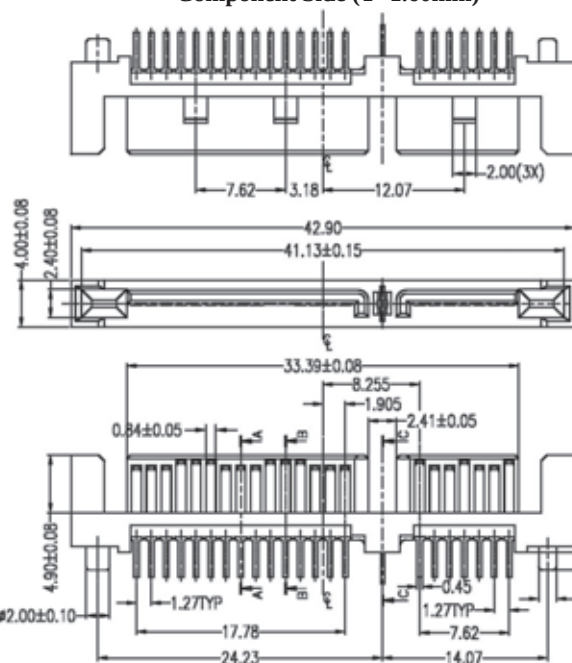
Tail; Ni (40u" Min.) Underplating

overall

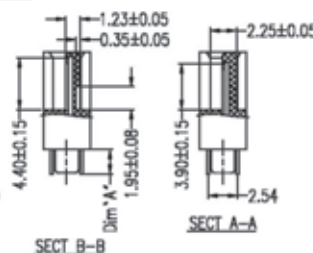
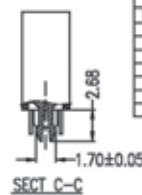
***RoHS & REACH compliant.**



Recommended P.C.Board Layout Component Side (T=1.60mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	QSO	P1	V33	P8	V5
S2	QSO	P2	V33	P10	QSO
S3	A+	P3	V33	P11	QAS/QS
S4	A+	P4	QSO	P12	QSO
S5	QSO	P5	QSO	P13	V12
S6	A+	P6	QSO	P14	V12
S7	QSO	P7	V5	P15	V12
		P8	V5		

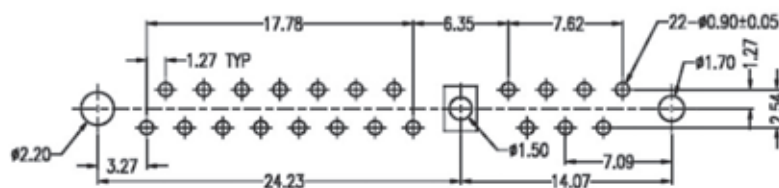


ORDERING INFORMATION:

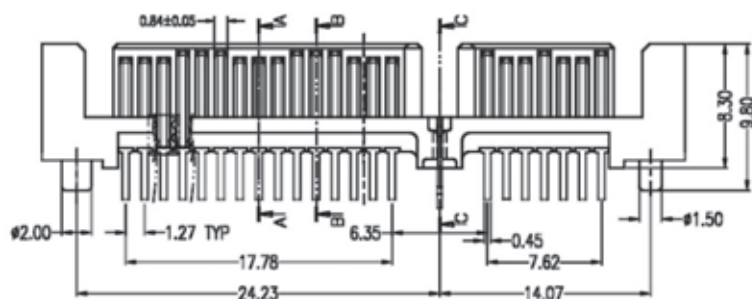
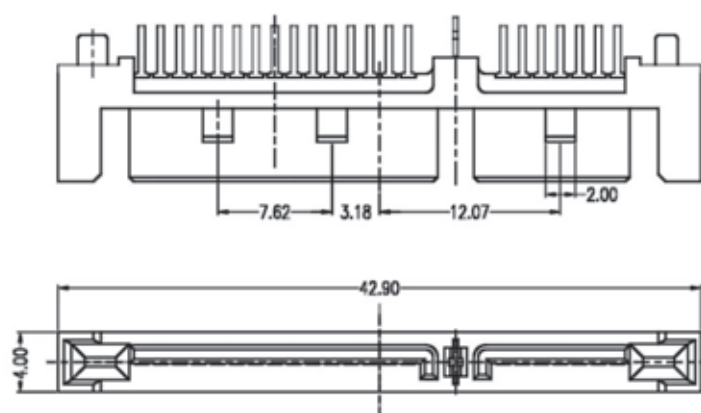
P/N SATA 22 - xx M B xx
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"J3" DIM. A=2.10MM
"J4" DIM. A=3.00MM
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR STRAIGHT DIP TYPE FOR H.D.



Recommended P.C.Board Layout
Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

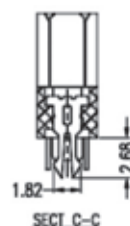
MATERIALS

Housing: LCP, UL94V-0

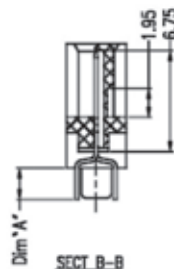
Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

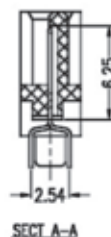
*RoHS & REACH compliant.



SECT C-C



SECT B-B



SECT A-A

ORDERING INFORMATION:

P/N S A T A 2 2 - x x M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"22" 7P+15P

2. CONNECTOR CODE:

"J5" DIM. A=2.10MM

"J6" DIM. A=3.00MM

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

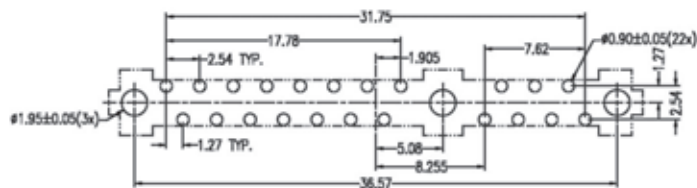
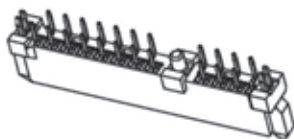
"01" GOLD FLASH

"05" 05 MICROINCH GOLD

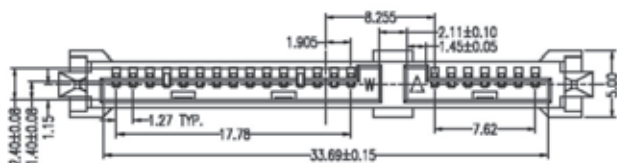
"10" 10 MICROINCH GOLD

"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE

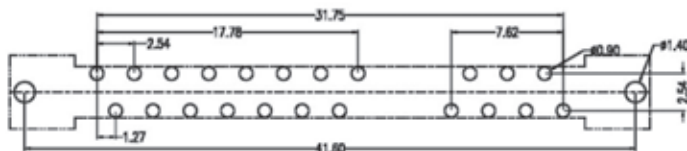


Recommended P.C. Board Layout
Component Side (T=1.60mm)

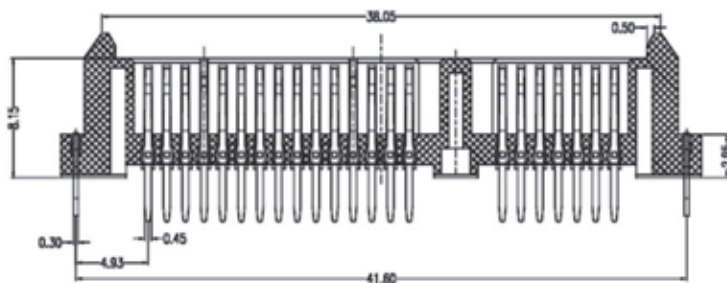
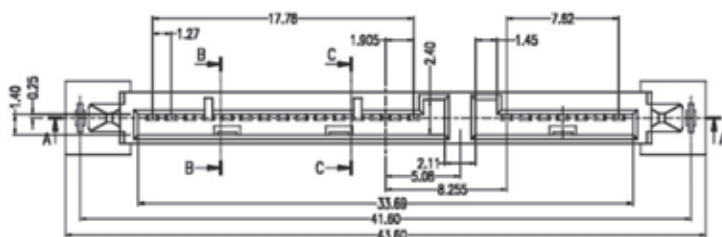


Pin No.	Signal Name	Pin No.	Power Name	Pin No.	Power Name
1	0V	21	V0	24	0V
2	0V	22	V1	25	0V
3	0V	23	V2	26	0V
4	0V	24	V3	27	0V
5	0V	25	V4	28	0V
6	0V	26	V5	29	0V
7	0V	27	V6	30	0V
8	0V	28	V7	31	0V
9	0V	29	V8	32	0V
10	0V	30	V9	33	0V
11	0V	31	V10	34	0V
12	0V	32	V11	35	0V
13	0V	33	V12	36	0V
14	0V	34	V13	37	0V
15	0V	35	V14	38	0V
16	0V	36	V15	39	0V
17	0V	37	V16	40	0V
18	0V	38	V17	41	0V
19	0V	39	V18	42	0V
20	0V	40	V19	43	0V
21	0V	41	V20	44	0V
22	0V	42	V21	45	0V
23	0V	43	V22	46	0V
24	0V	44	V23	47	0V
25	0V	45	V24	48	0V
26	0V	46	V25	49	0V
27	0V	47	V26	50	0V
28	0V	48	V27	51	0V
29	0V	49	V28	52	0V
30	0V	50	V29	53	0V
31	0V	51	V30	54	0V
32	0V	52	V31	55	0V
33	0V	53	V32	56	0V
34	0V	54	V33	57	0V
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36	0V	56	V35	59	0V
37	0V	57	V36	60	0V
38	0V	58	V37	61	0V
39	0V	59	V38	62	0V
40	0V	60	V39	63	0V
41	0V	61	V40	64	0V
42	0V	62	V41	65	0V
43	0V	63	V42	66	0V
44	0V	64	V43	67	0V
45	0V	65	V44	68	0V
46	0V	66	V45	69	0V
47	0V	67	V46	70	0V
48	0V	68	V47	71	0V
49	0V	69	V48	72	0V
50	0V	70	V49	73	0V
51	0V	71	V50	74	0V
52	0V	72	V51	75	0V
53	0V	73	V52	76	0V
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59	0V	79	V58	82	0V
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61	0V	81	V60	84	0V
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64	0V	84	V63	87	0V
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66	0V	86	V65	89	0V
67	0V	87	V66	90	0V
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69	0V	89	V68	92	0V
70	0V	90	V69	93	0V
71	0V	91	V70	94	0V
72	0V	92	V71	95	0V
73	0V	93	V72	96	0V
74	0V	94	V73	97	0V
75	0V	95	V74	98	0V
76	0V	96	V75	99	0V
77	0V	97	V76	100	0V
78	0V	98	V77	101	0V
79	0V	99	V78	102	0V
80	0V	100	V79	103	0V
81	0V	101	V80	104	0V
82	0V	102	V81	105	0V
83	0V	103	V82	106	0V
84	0V	104	V83	107	0V
85	0V	105	V84	108	0V
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87	0V	107	V86	110	0V
88	0V	108	V87	111	0V
89	0V	109	V88	112	0V
90	0V	110	V89	113	0V
91	0V	111	V90	114	0V
92	0V	112	V91	115	0V
93	0V	113	V92	116	0V
94	0V	114	V93	117	0V
95	0V	115	V94	118	0V
96	0V	116	V95	119	0V
97	0V	117	V96	120	0V
98	0V	118	V97	121	0V
99	0V	119	V98	122	0V
100	0V	120	V99	123	0V
101	0V	121	V100	124	0V
102	0V	122	V101	125	0V
103	0V	123	V102	126	0V
104	0V	124	V103	127	0V
105	0V	125	V104	128	0V
106	0V	126	V105	129	0V
107	0V	127	V106	130	0V
108	0V	128	V107	131	0V
109	0V	129	V108	132	0V
110	0V	130	V109	133	0V
111	0V	131	V110	134	0V
112	0V	132	V111	135	0V
113	0V	133	V112	136	0V
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121	0V	141	V120	144	0V
122	0V	142	V121	145	0V
123	0V	143	V122	146	0V
124	0V	144	V123	147	0V
125	0V	145	V124	148	0V
126	0V	146	V125	149	0V
127	0V	147	V126	150	0V
128	0V	148	V127	151	0V
129	0V	149	V128	152	0V
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131	0V	151	V130	154	0V
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133	0V	153	V132	156	0V
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144	0V	164	V143	167	0V
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146	0V	166	V145	169	0V
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149	0V	169	V148	172	0V
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166	0V	186	V165	189	0V
167	0V	187	V166	190	0V
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185	0V	205	V184	208	0V
186	0V	206	V185	209	0V
187	0V	207	V186	210	0V
188	0V	208	V187	211	0V
189	0V	209	V188	212	0V
190	0V	210	V189	213	0V
191	0V	211	V190	214	0V
192	0V	212	V191	215	0V
193	0V	213	V192	216	0V
194	0V	214	V193	217	0V
195	0V	215	V194	218	0V
196	0V	216	V195	219	0V
197	0V	217	V196	220	0V
198	0V	218	V197	221	0V
199	0V	219	V198	222	0V
200	0V	220	V199	223	0V
201	0V	221	V200	224	0V
202	0V	222	V201	225	0V
203	0V	223	V202	226	0V
204	0V	224	V203	227	0V
205	0V	225	V204	228	0V
206	0V	226	V205	229	0V
207	0V	227	V206	230	0V
208	0V	228	V207	231	0V
209	0V	229	V208	232	0V
210	0V	230	V209	233	0V
211	0V	231	V210	234	0V
212	0V	232	V211	235	0V
213	0V	233	V212	236	0V
214	0V	234	V213	237	0V
215	0V	235	V214	238	0V
216	0V	236	V215	239	0V
217	0V	237	V216	240	0V
218	0V	238	V217	241	0V
219	0V	239	V218	242	0V
220	0V	240	V219	243	0V
221	0V	241	V220	244	0V
222	0V	242	V221	245	0V
223	0V	243	V222	246	0V
224	0V	244	V223	247	0V
225	0V	245	V224	248	0V
226	0V	246	V225	249	0V
227	0V	247	V226	250	0V
228	0V	248	V227	251	0V
229	0V	249	V228	252	0V
230	0V	250	V229	253	0V
231	0V	251	V230	254	0V
232	0V	252	V231	255	0V
233	0V	253	V232	256	0V
234	0V	254	V233	257	0V
235	0V	255	V234	258	0V
236	0V	256	V235	259	0V
237	0V	257	V236		

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Top View



SECT A-A

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

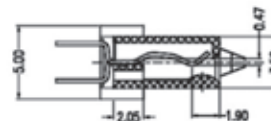
MATERIALS

Housing: LCP, UL94V-0

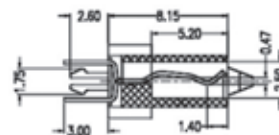
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**



SECT B-B



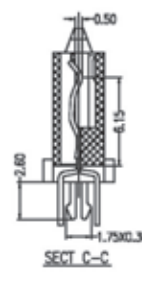
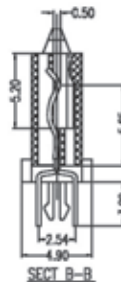
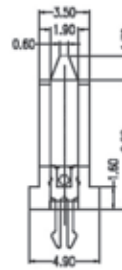
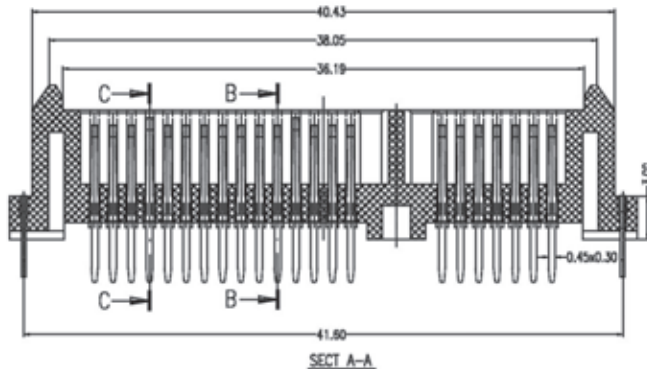
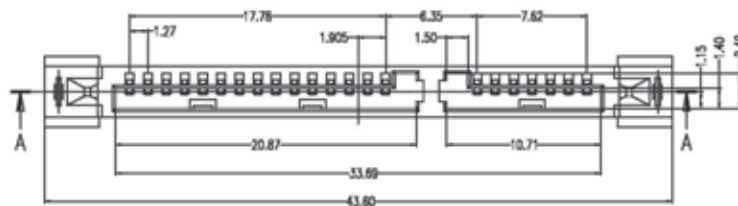
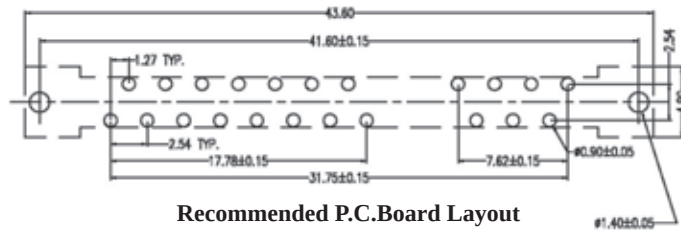
SECT C-C

ORDERING INFORMATION:

P/N S A T A 2 2 - J 8 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"J8" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT STRAIGHT DIP TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

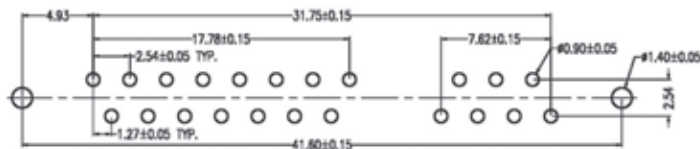
***RoHS & REACH compliant.**

ORDERING INFORMATION:

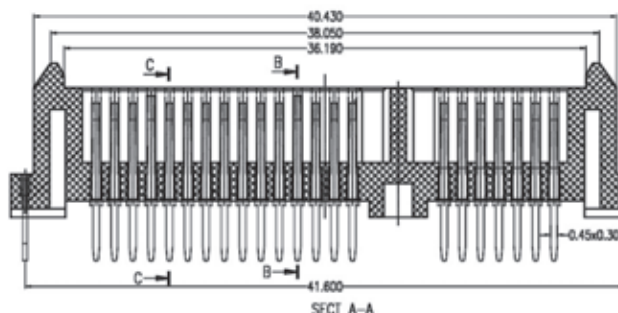
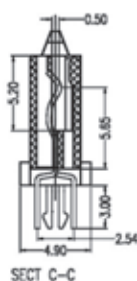
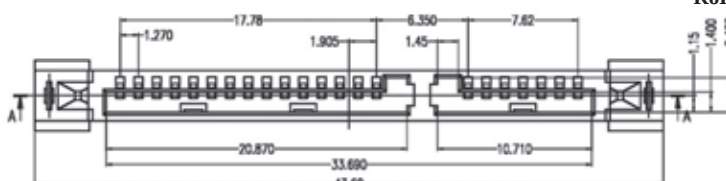
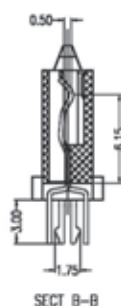
P/N S A T A 2 2 - J 9 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"J9" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE WITH LOCK KEY & METAL POSTS



Recommended P.C. Board Layout
Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

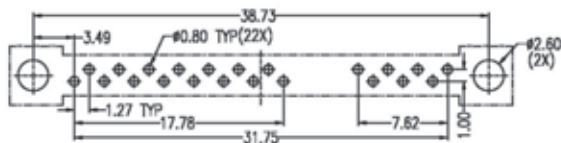
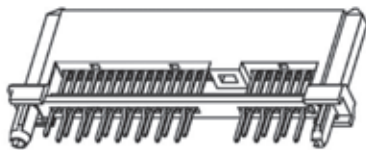
***RoHS & REACH compliant.**

ORDERING INFORMATION:

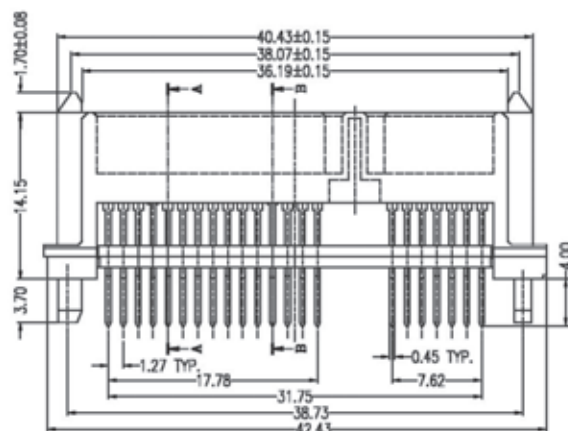
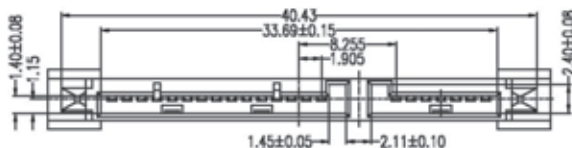
P/N S A T A 22 - K1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"K1" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



**Recommended P.C.Board Layout
Component Side (T=1.20mm)**



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

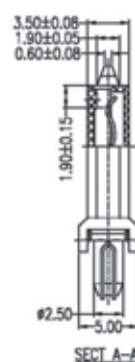
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**

Pin NO.	Signal Name	Pin NO.	Power Name	Pin NO.	Power Name
S1	GND	P1	V33	P9	V5
S2	A+	P2	V33	P10	GND
S3	A-	P3	V33	P11	DAS/SS
S4	GND	P4	GND	P12	GND
S5	B+	P5	GND	P13	V12
S6	B-	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		



SECT A-A



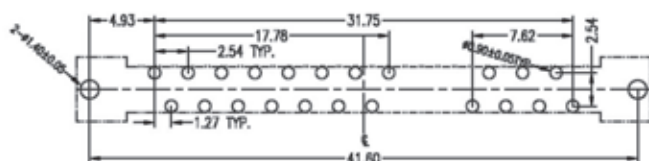
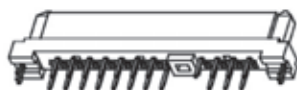
SECT B-B

ORDERING INFORMATION:

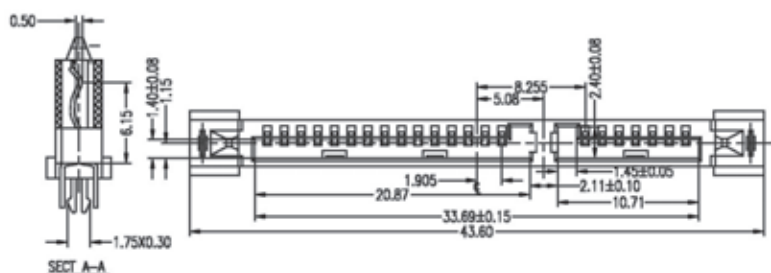
P/N S A T A 22 - K2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"K2" DIP TYPE HEIGHT=15.85MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

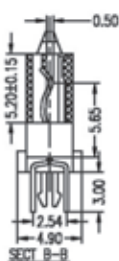
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE WITH LOCK KEY



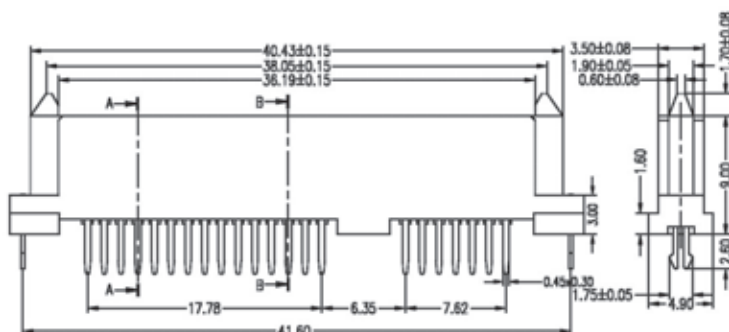
Recommended P.C.Board Layout
Top View



SECT A-A



SECT B-B



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

Power Segment			
Name	Type	Name	Type
P1	V33	P9	V5
P2	V33	P10	GND
P3	V33	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		

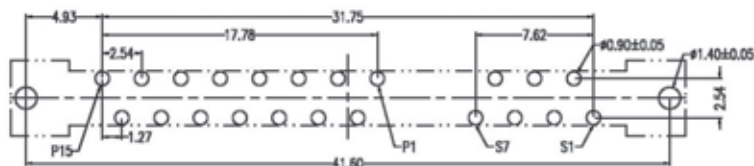
Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

ORDERING INFORMATION:

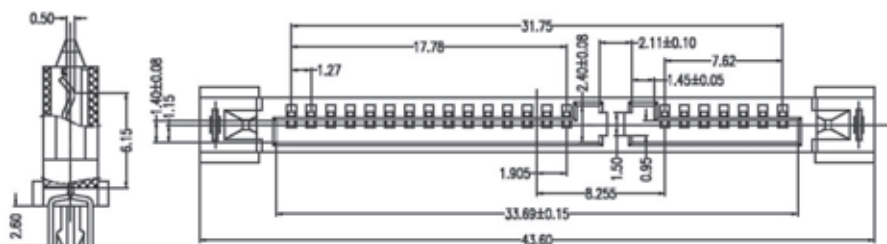
P/N S A T A 22 - K3 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"K3" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

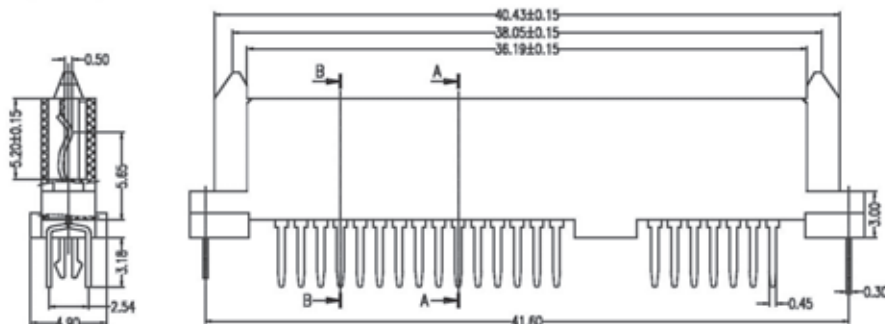
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE W/O LOCK KEY



Recommended P.C. Board Layout
Component Side (T=1.60mm)



SECT B-B



SECT A-A

Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	VSS	P9	V5
S2	A+	P2	VSS	P10	GND
S3	A-	P3	VSS	P11	DAS/SS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

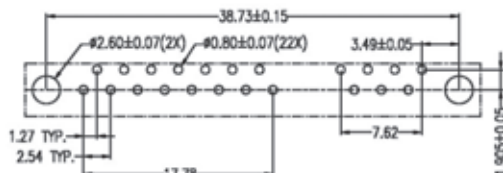
*RoHS & REACH compliant.

ORDERING INFORMATION:

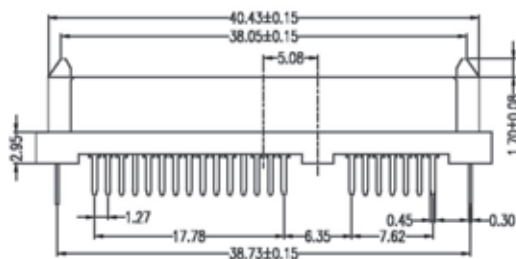
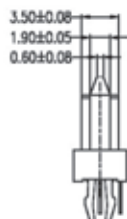
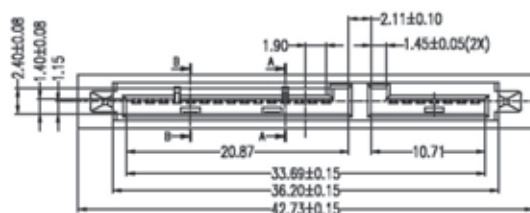
P/N S A T A 2 2 - K 4 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"K4" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Component Side



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

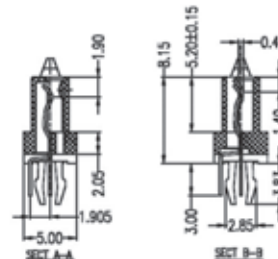
Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

Signal Segment		Power Segment	
Name	Type	Name	Type
1	22	1	15
2	22	2	15
3	22	3	15
4	22	4	15
5	22	5	15
6	22	6	15
7	22	7	15
8	22	8	15
9	22	9	15
10	22	10	15
11	22	11	15
12	22	12	15
13	22	13	15
14	22	14	15
15	22	15	15
16	22	16	15
17	22	17	15
18	22	18	15
19	22	19	15
20	22	20	15
21	22	21	15
22	22	22	15

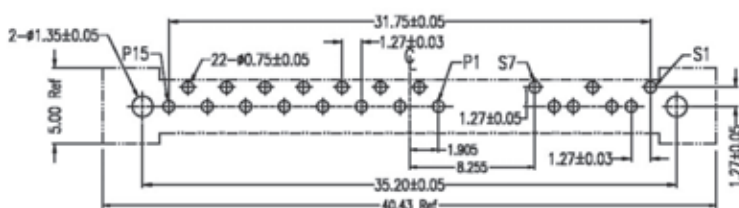


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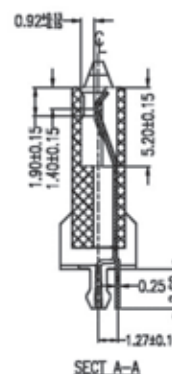
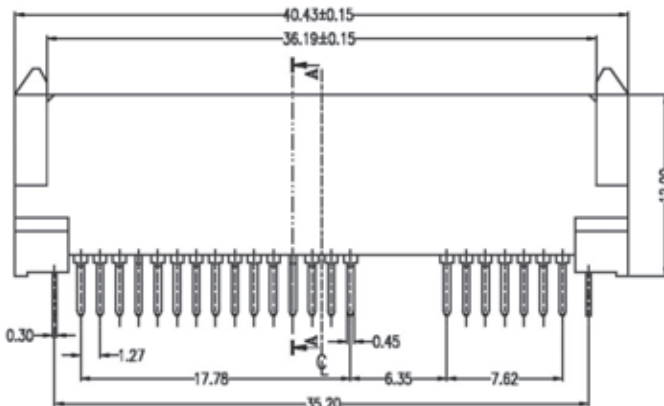
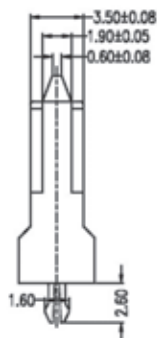
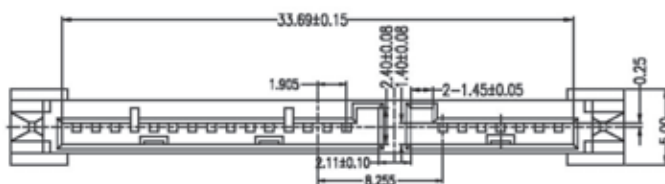
P/N S A T A 22 - K5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"K5" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

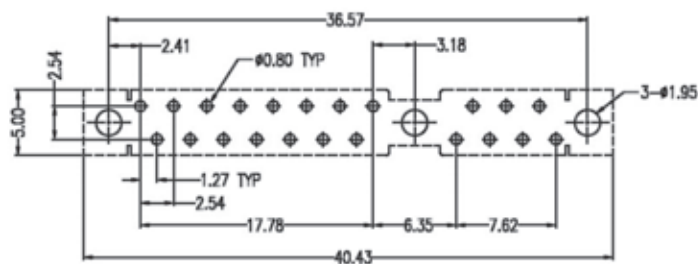
*RoHS & REACH compliant.

ORDERING INFORMATION:

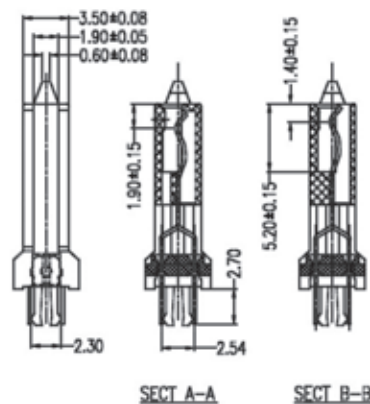
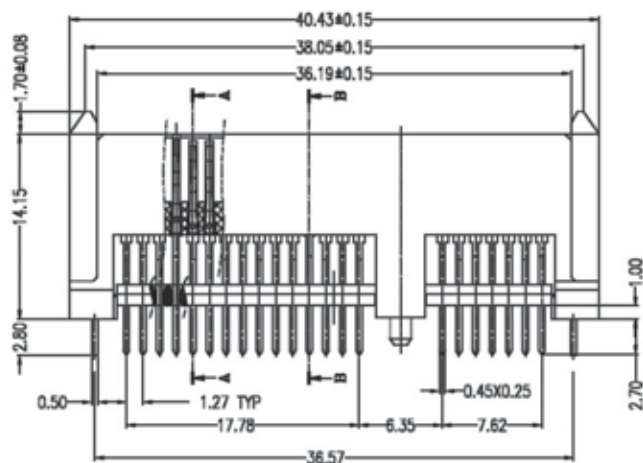
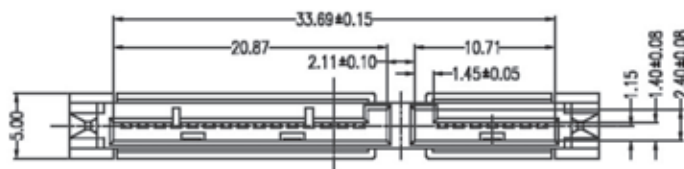
P/N S A T A 2 2 - K 6 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"K6" STRAIGHT DIP TYPE HEIGHT=12.0MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE WITH METAL POSTS



Recommended P.C.Board Layout
Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

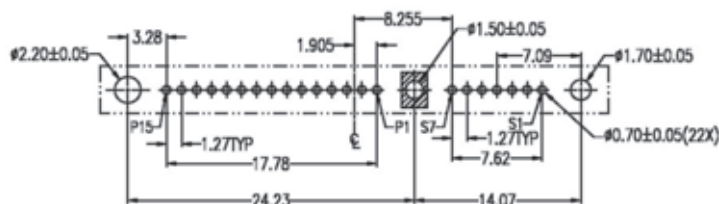
*RoHS & REACH compliant.

ORDERING INFORMATION:

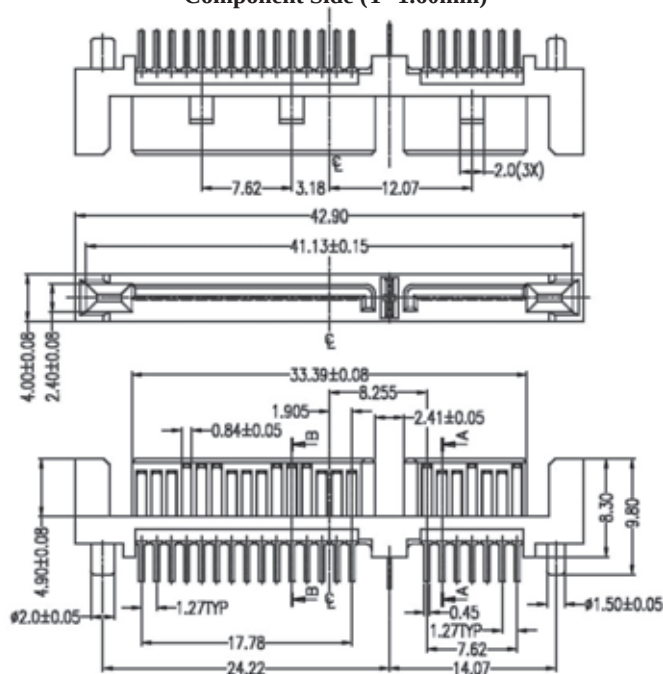
P/N S A T A 2 2 - K 7 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"K7" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

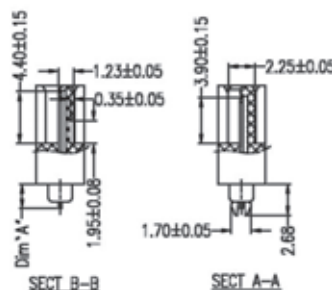
SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR STRAIGHT DIP TYPE FOR H.D.



Recommended P.C. Board Layout
Component Side (T=1.60mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	Q50	P1	V35	P8	V5
S2	A+	P2	V35	P9	Q50
S3	A+	P3	V35	P10	Q50
S4	A+	P4	Q50	P11	Q50/055
S5	A+	P5	Q50	P12	Q50
S6	A+	P6	Q50	P13	V12
S7	Q50	P7	V5	P14	V12
S8	Q50	P8	V5	P15	V12
		P9	V5		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000M Ω Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30m Ω Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

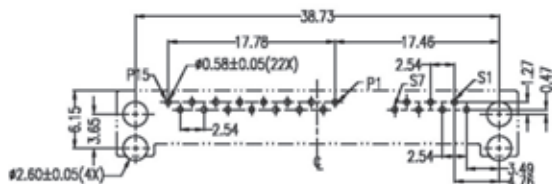
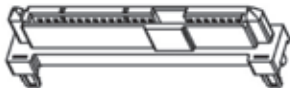
*RoHS & REACH compliant.

ORDERING INFORMATION:

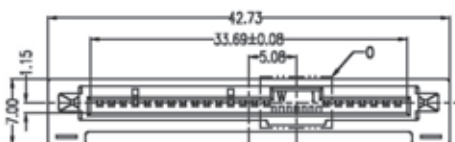
P/N S A T A 2 2 - x x M B x x
1 2 3 4 5

- NO. OF CONTACTS:
"22" 7P+15P
- CONNECTOR CODE:
"K8" DIM. A=2.10MM
"K9" DIM. A=3.00MM
- CONTACT TYPE:
"M" MALE
- INSULATOR COLOR:
"B" BLACK
- CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR PRESS FIT TYPE

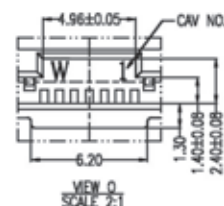
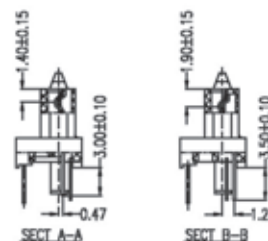
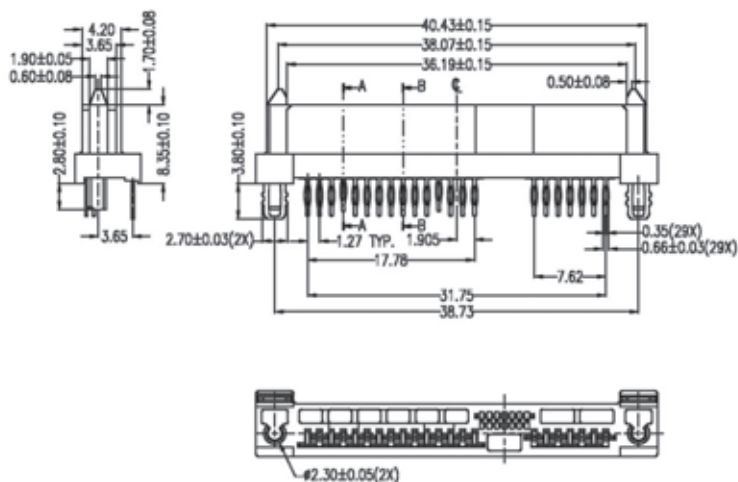


Recommended P.C. Board Layout
Component Side (T=1.60~3.0mm)



Signal Segment			
No.	Pin	Type	Signal
1	1	Signal	Ground
2	2	Signal	Ground
3	3	Signal	Ground
4	4	Signal	Ground
5	5	Signal	Ground
6	6	Signal	Ground
7	7	Signal	Ground

Power Segment			
No.	Pin	Type	Signal
8	8	Power	Ground
9	9	Power	Ground
10	10	Power	Ground
11	11	Power	Ground
12	12	Power	Ground
13	13	Power	Ground
14	14	Power	Ground
15	15	Power	Ground

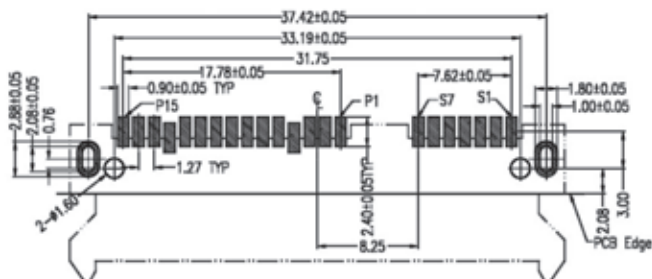


ORDERING INFORMATION:

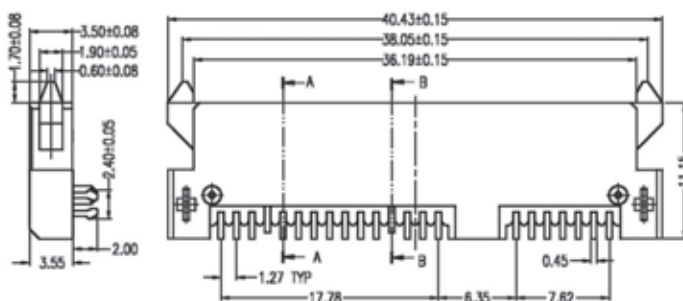
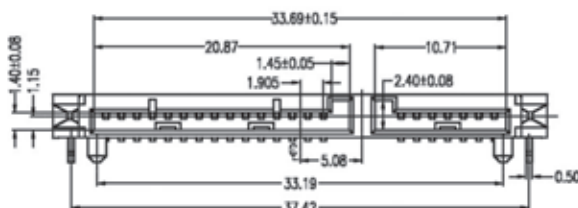
P/N S A T A 22 - P1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"P1" DOUBLE ROW PRESS FIT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE

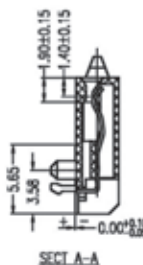


Recommended P.C.Board Layout
Top View (T=1.20mm)

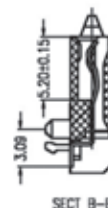


Signal Segment	
Name	Type
S1	GND
S2	Alt
S3	Alt
S4	GND
S5	GND
S6	GND
S7	GND

Power Segment	
Name	Type
P1	VAS
P2	VAS
P3	VAS
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	DAS/VSS
P12	GND
P13	V12
P14	V12
P15	V12



SECT A-A



SECT B-B

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

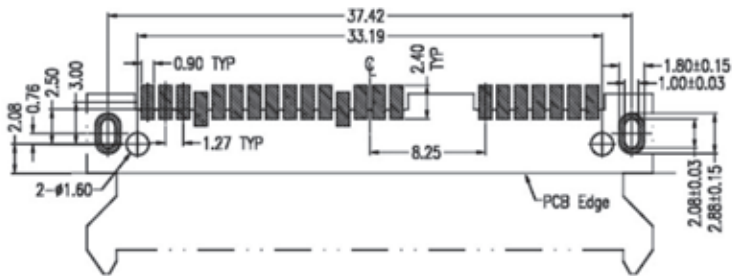
*RoHS & REACH compliant.

ORDERING INFORMATION:

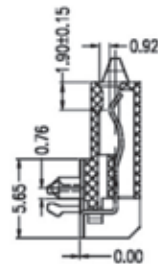
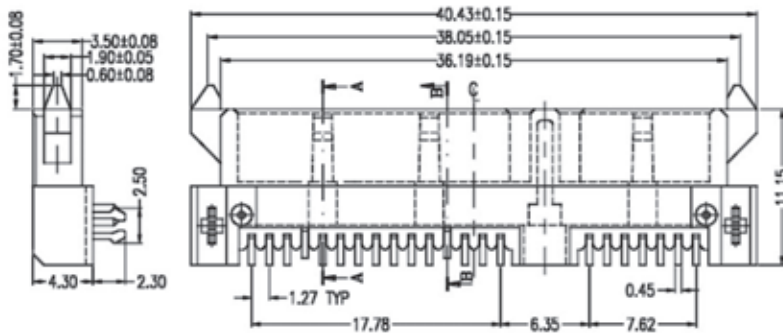
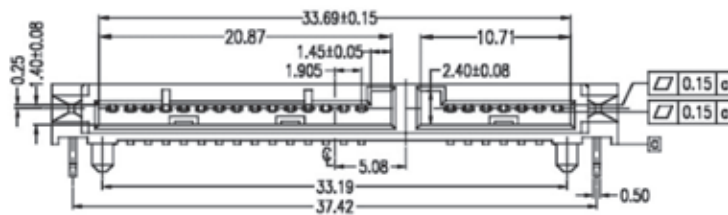
P/N S A T A 22 - S1 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"S1" R/A SMT TYPE HEIGHT=3.55MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SECT A-A



SECT B-B

ORDERING INFORMATION:

P/N SATA 22 - S2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"S2" R/A SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

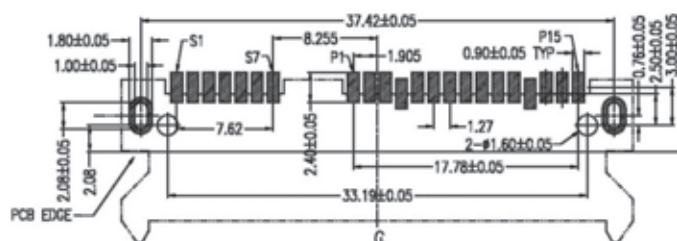
Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

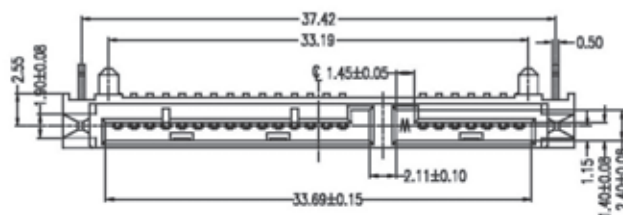
Solder Tail

***RoHS & REACH compliant.**

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT R/A SMT TYPE

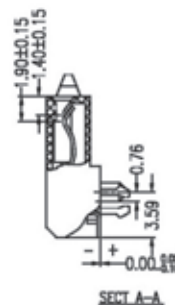
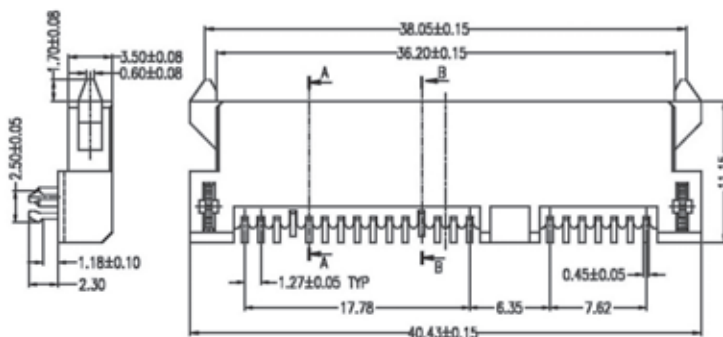


Recommended P.C. Board Layout
Component Side (T=1.20mm)



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B
S6	GND
S7	GND

Power Segment			
Name	Type	Name	Type
P1	V3.3	P9	V5
P2	V3.3	P10	GND
P3	V3.3	P11	DAS/VSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		



SECT A-A



SECT B-B

ORDERING INFORMATION:

P/N S A T A 22 - S3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"S3" REVERSE SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SPECIFICATIONS

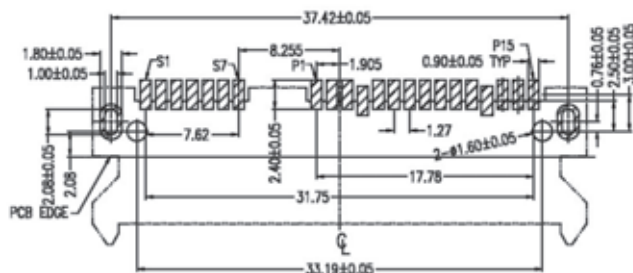
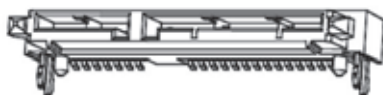
Current Rating: 1.5 Amperes
Insulation Resistance: 1000MΩ Min
Dielectric Withstanding: 500V AC
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

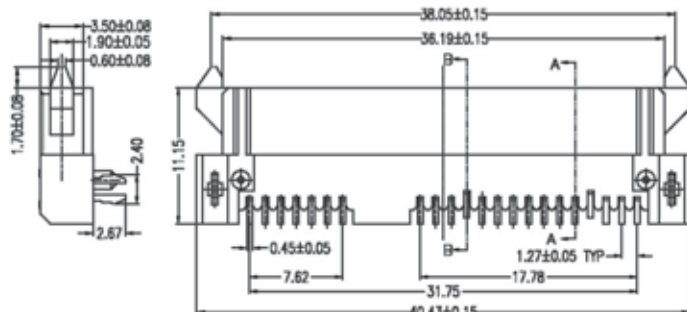
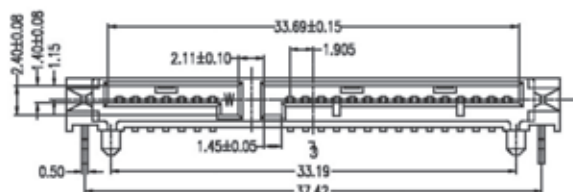
Housing: LCP, UL94V-0
Contact: Phosphor Bronze
Plating: Au Plating on Contact Area;
Sn (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.

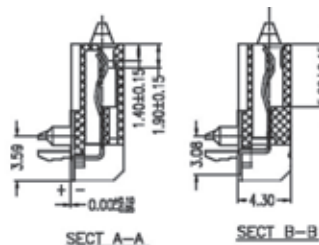
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT R/A SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.20mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V3.3	P9	V5
S2	A+	P2	V3.3	P10	GND
S3	A-	P3	V3.3	P11	DAS/DSS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		



ORDERING INFORMATION:

P/N S A T A 22 - S4 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"S4" REVERSE SMT TYPE WITH RIBWORK
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SPECIFICATIONS

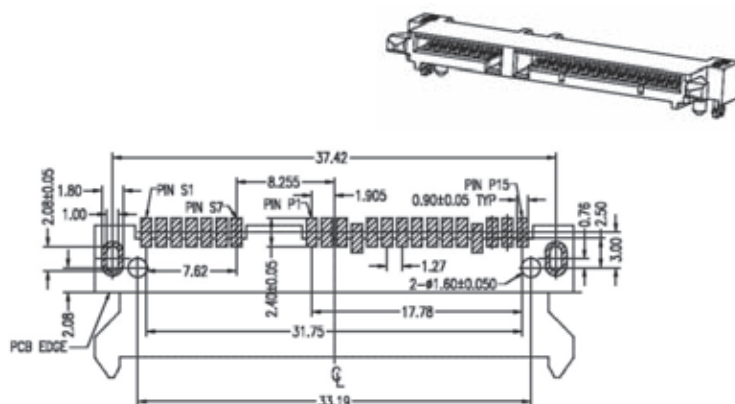
Current Rating: 1.5 Amperes
Insulation Resistance: 1000MΩ Min
Dielectric Withstanding: 500V AC
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

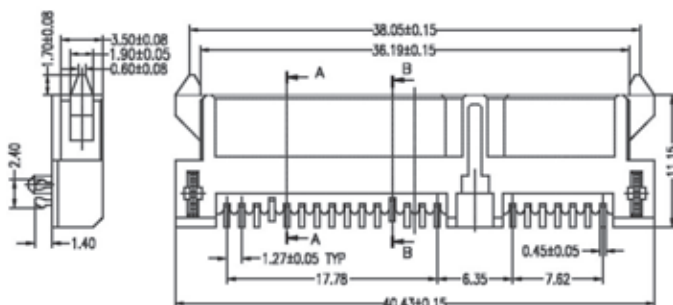
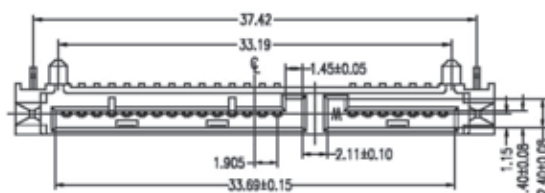
Housing: LCP, UL94V-0
Contact: Phosphor Bronze
Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT R/A SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.00mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

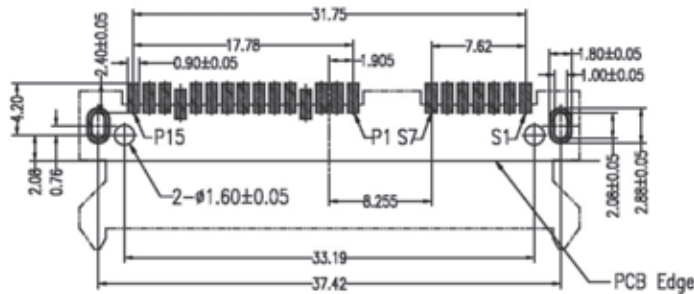
Signal Segment		Power Segment	
Name	Type	Name	Type
S1	QND	P1	V+V
S2	A+	P2	V+V
S3	A+	P3	V+V
S4	QND	P4	QND
S5	QND	P5	QND
S6	QND	P6	QND
S7	QND	P7	QND
		P8	V+
		P9	V+
		P10	QND
		P11	DAS/ISS
		P12	QND
		P13	V+
		P14	V+
		P15	V+

ORDERING INFORMATION:

P/N S A T A 22 - S5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"S5" REVERSE SMT TYPE WITH RIBWORK
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.20mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

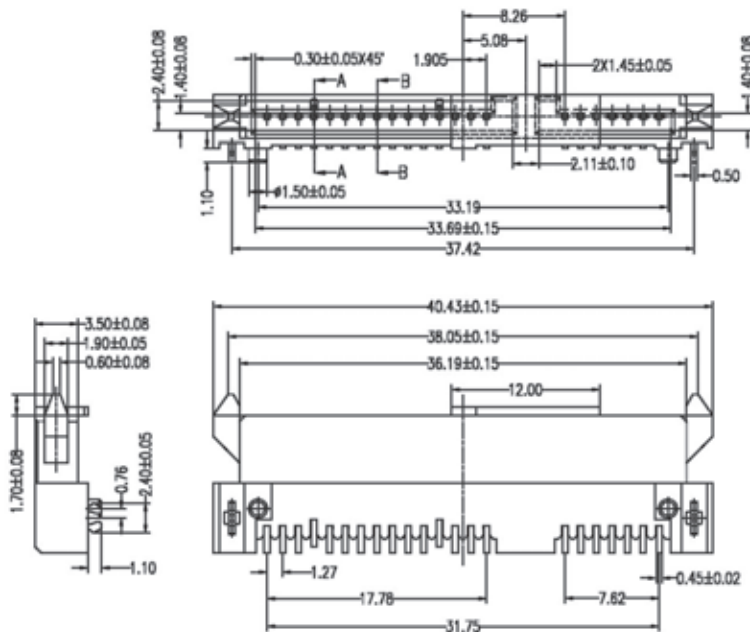
Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

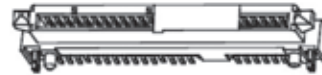
Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.

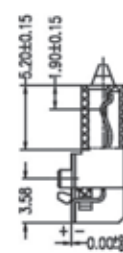


Signal Segment	Name	Type
S1	GND	
S2	A+	
S3	A-	
S4	GND	
S5	B+	
S6	B-	
S7	GND	

Power Segment	Name	Type
P1	V33	
P2	V33	
P3	V33	
P4	GND	
P5	GND	
P6	GND	
P7	V5	
P8	V5	
P9	V5	
P10	GND	
P11	DAS/SS	
P12	GND	
P13	V12	
P14	V12	
P15	V12	



SECTION A-A



SECTION B-B

ORDERING INFORMATION:

P/N S A T A 22 - S6 F B x x - x
1 2 3 4 5 6

1. NO. OF CONTACTS:

"22" 7P+15P

2. CONNECTOR CODE:

"S6" R/A SMT TYPE HEIGHT=4.30MM

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

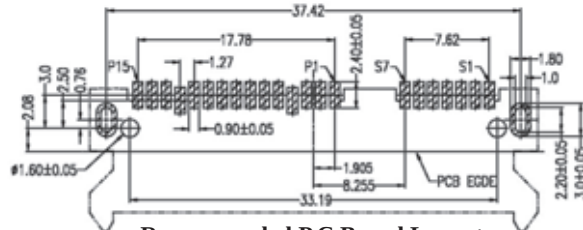
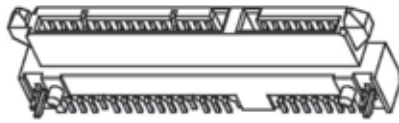
6. PACKAGE TYPE

"0" TRAY

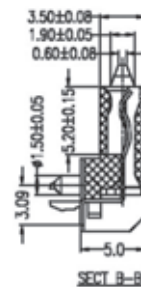
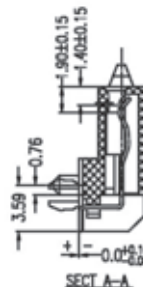
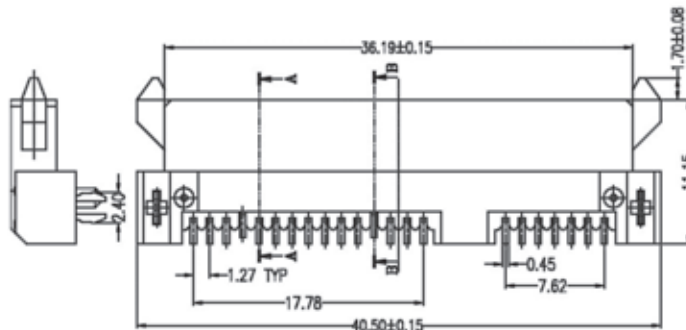
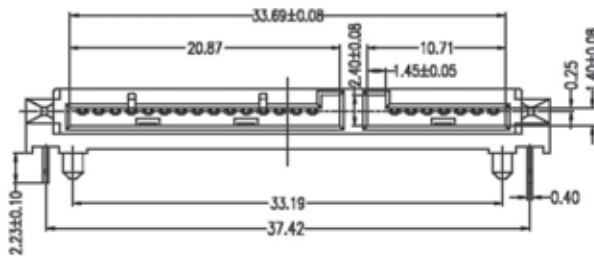
"T" TUBE

"R" TAPE & REEL

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C. Board Layout
Top View (T=1.00/1.20/1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

*RoHS & REACH compliant.

Signal Segment	Name	Type
S1	S1	SND
S2	S2	AT
S3	S3	AT
S4	S4	AT
S5	S5	AT
S6	S6	AT
S7	S7	SND

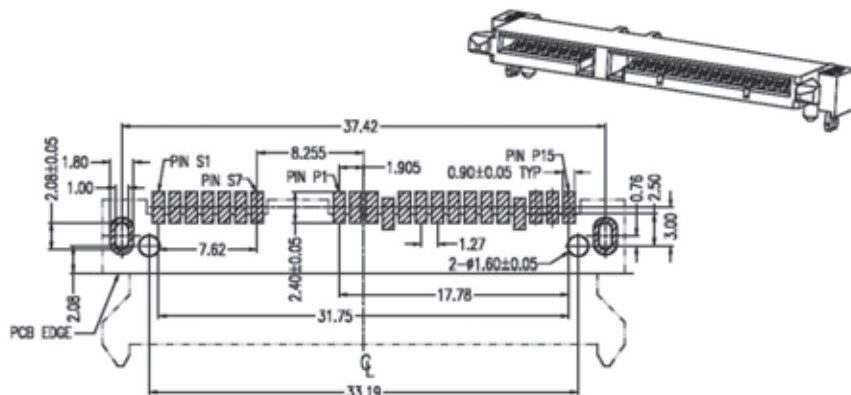
Power Segment	Name	Type	Name	Type
P1	V11	P8	V5	
P2	V11	P10	SND	
P3	V11	P11	DAS/DSS	
P4	SND	P12	SND	
P5	SND	P13	V12	
P6	SND	P14	V12	
P7	V5	P15	V12	
P8	V5			

ORDERING INFORMATION:

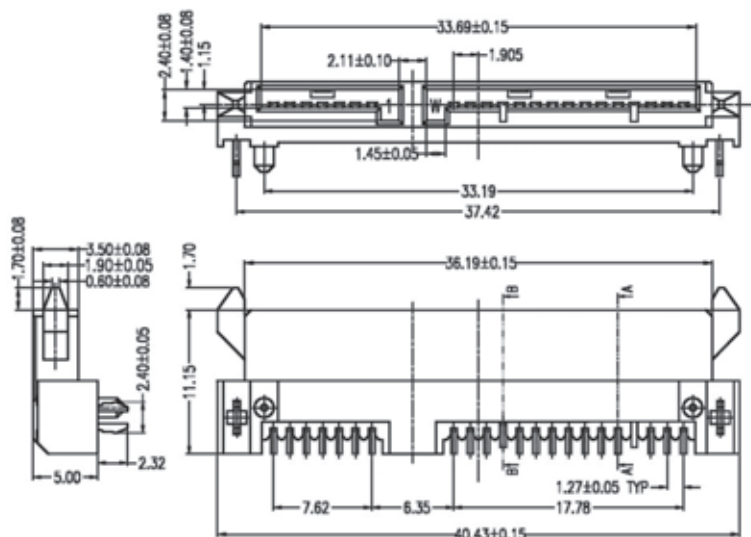
P/N S A T A 22 - S7 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"S7" RIGHT ANGLE SMT TYPE HEIGHT=5.0MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

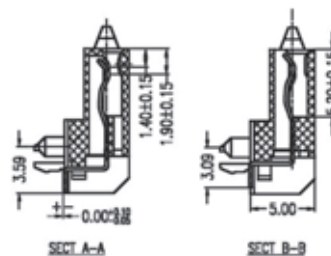
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT UNDER BOARD SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.00/1.20/1.60mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	QND	P1	V14	P9	V5
S2	A+	P2	V13	P10	QND
S3	A-	P3	V12	P11	DATA/SS
S4	QND	P4	QND	P12	QND
S5	B+	P5	QND	P13	V12
S6	B-	P6	QND	P14	V12
S7	QND	P7	V6	P15	V12
		P8	V6		



ORDERING INFORMATION:

P/N S A T A 22 - S8 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"S8" REVERSE UNDER BOARD SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SPECIFICATIONS

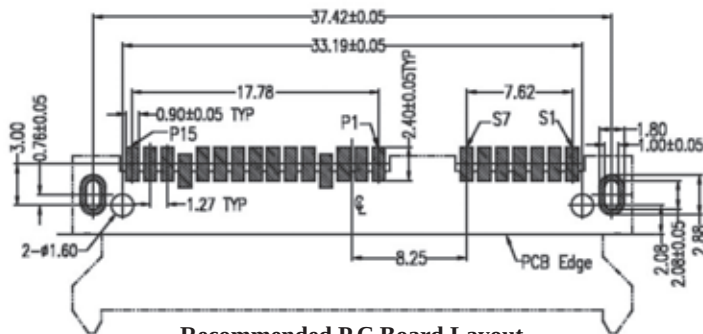
Current Rating: 1.5 Amperes
Insulation Resistance: 1000MΩ Min
Dielectric Withstanding: 500V AC
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

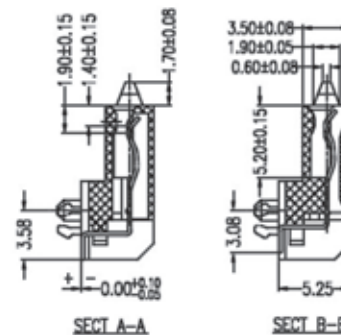
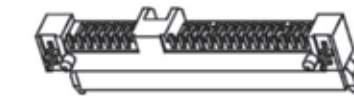
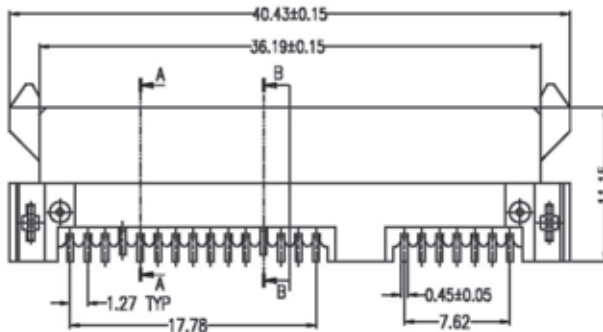
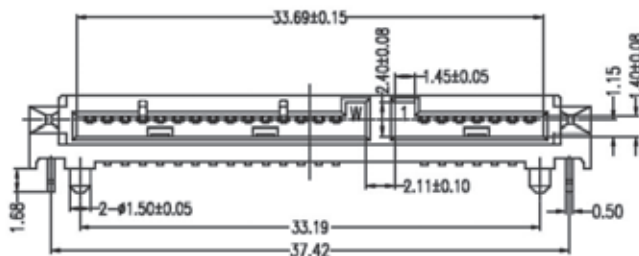
Housing: LCP, UL94V-0
Contact: Phosphor Bronze
Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.20mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

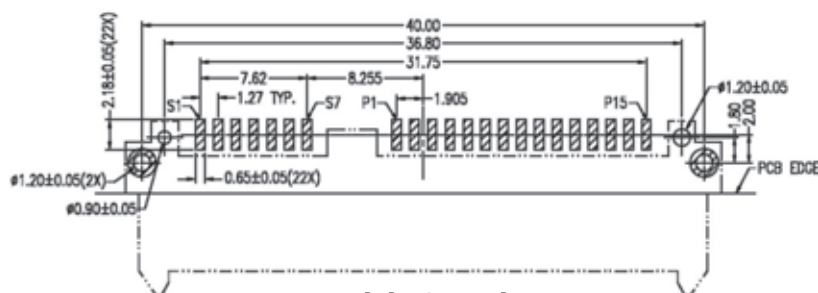
***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 22 - S9 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"S9" R/A SMT TYPE HEIGHT=5.25MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.00mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

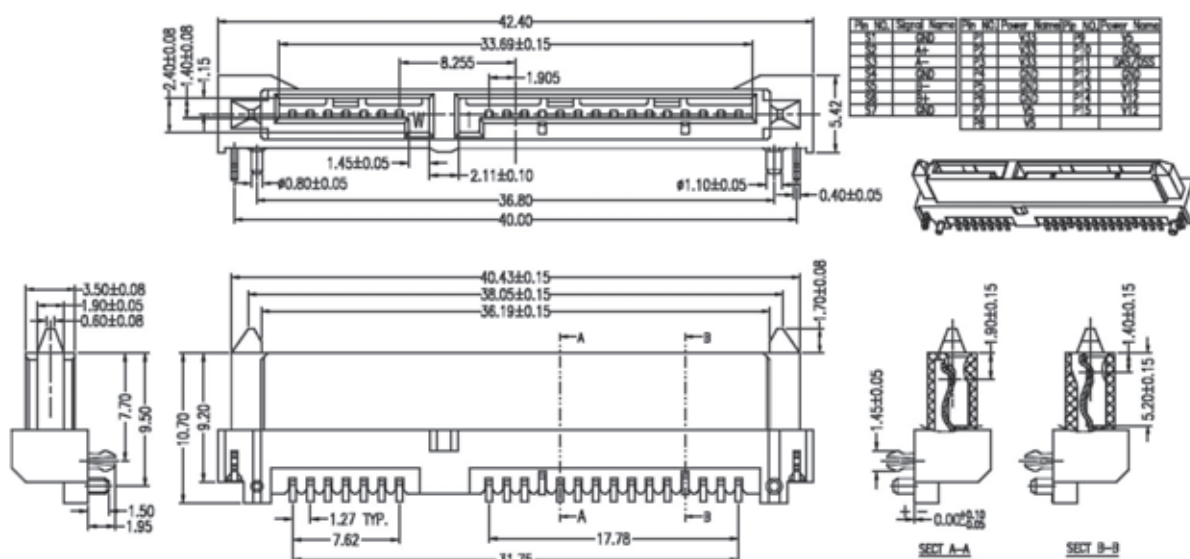
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.



ORDERING INFORMATION:

P/N S A T A 22 - T1 F B x x - x
1 2 3 4 5 6

1. NO. OF CONTACTS:

"22" 7P+15P

2. CONNECTOR CODE:

"T1" R/A SMT TYPE HEIGHT=5.42MM

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

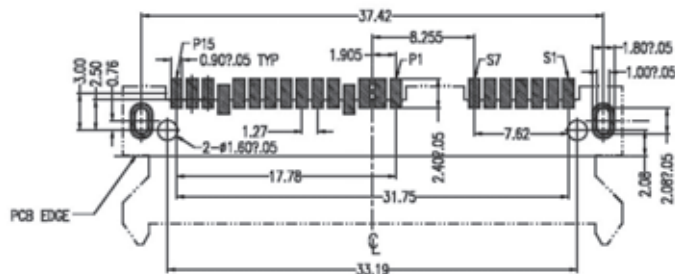
"30" 30 MICROINCH GOLD

6. PACKAGE TYPE

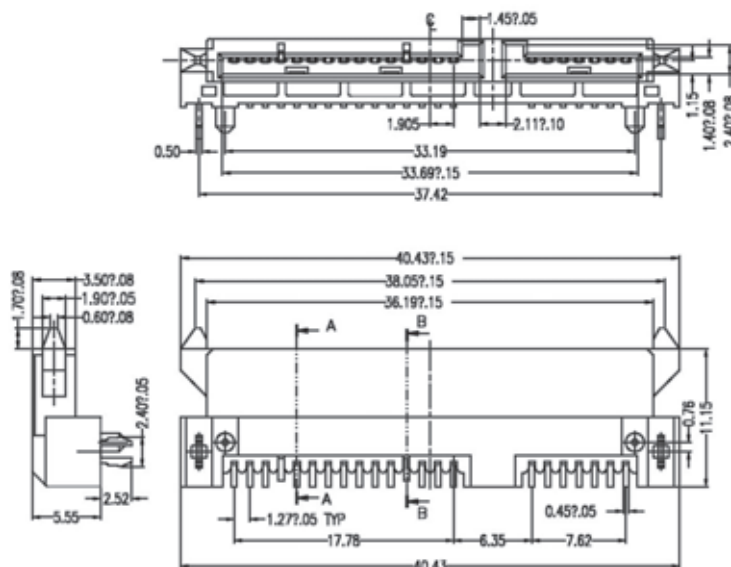
"0" TRAY

"R" TAPE & REEL

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.00/1.20/1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

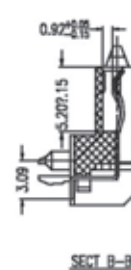
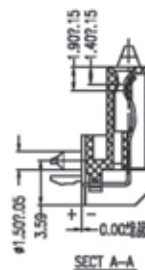
Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

*RoHS & REACH compliant.

Signal Segment		Power Segment	
Name	Type	Name	Type
P1	VS	P1	VS
P2	VS	P2	VS
P3	VS	P3	VS
P4	VS	P4	VS
P5	VS	P5	VS
P6	VS	P6	VS
P7	VS	P7	VS
P8	VS	P8	VS
P9	VS	P9	VS
P10	VS	P10	VS
P11	VS	P11	VS
P12	VS	P12	VS
P13	VS	P13	VS
P14	VS	P14	VS
P15	VS	P15	VS

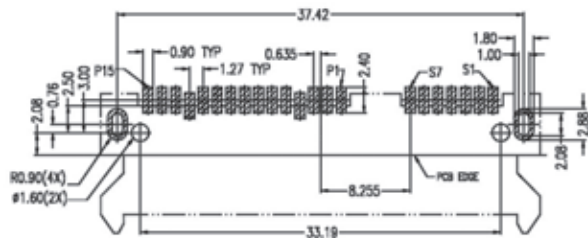


ORDERING INFORMATION:

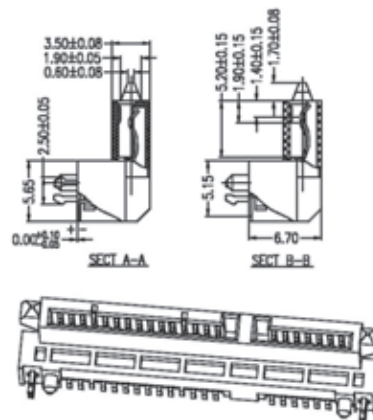
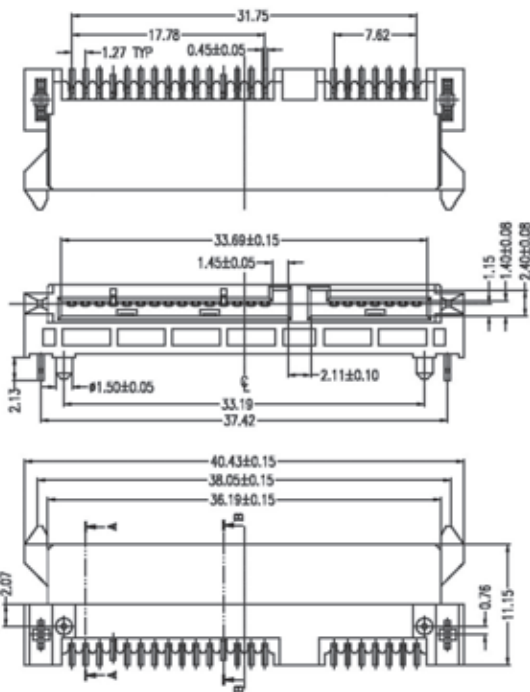
P/N S A T A 22 - T2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"T2" R/A SMT TYPE HEIGHT=5.55MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.20mm)



Signal Segment	Name	Type
1	S1	DATA
2	S2	DATA
3	S3	DATA
4	S4	DATA
5	S5	DATA
6	S6	DATA
7	S7	DATA

Power Segment	Name	Type
1	P1	VCC
2	P2	VCC
3	P3	VCC
4	P4	VCC
5	P5	VCC
6	P6	VCC
7	P7	VCC
8	P8	VCC
9	P9	VCC
10	P10	VCC
11	P11	VCC
12	P12	VCC
13	P13	VCC
14	P14	VCC
15	P15	VCC

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

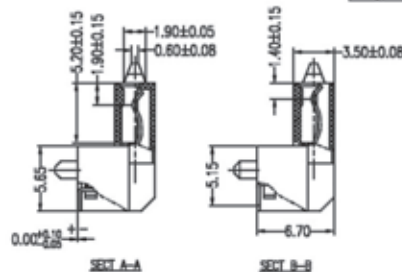
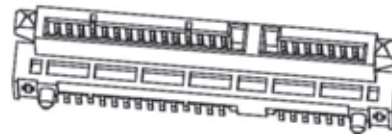
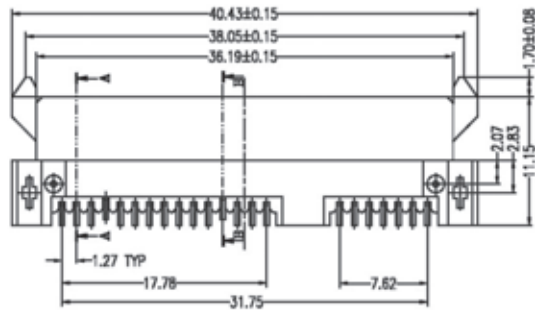
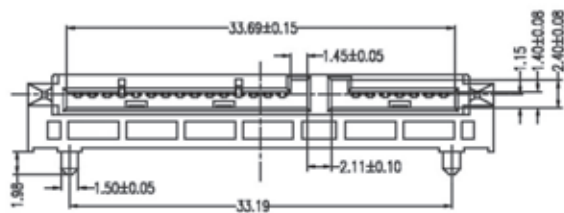
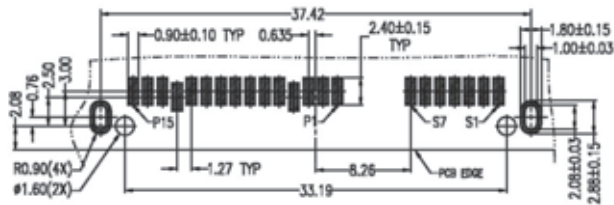
Solder Tail

*RoHS & REACH compliant.

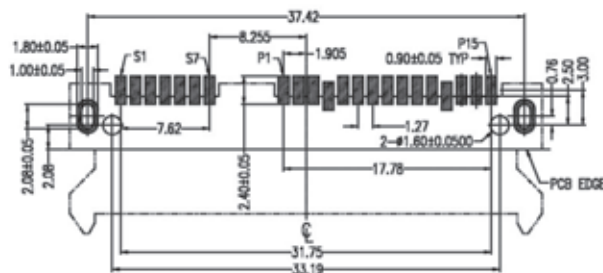
ORDERING INFORMATION:

P/N S A T A 2 2 - T 3 F B x x
1 2 3 4 5

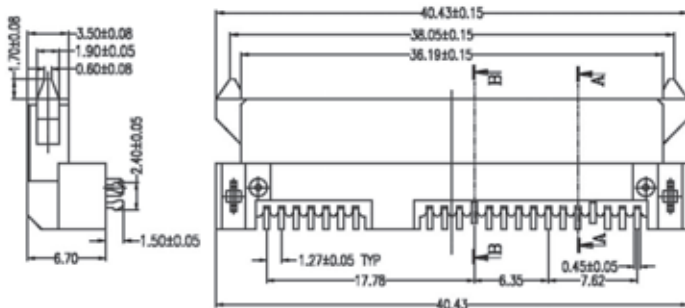
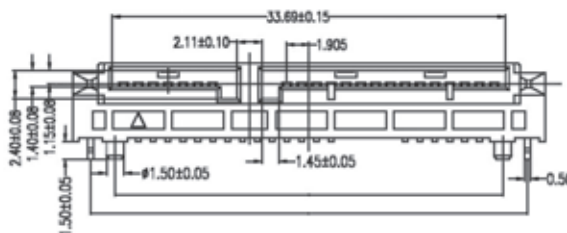
1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"T4" SATA FOR BACK PLATE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD



SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR UNDER BOARD SMT TYPE



Recommended P.C. Board Layout
Top View (T=1.20mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

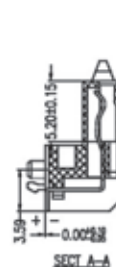
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

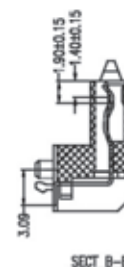
*RoHS & REACH compliant.



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V+1	P8	V-
S2	A+	P2	V+1	P10	GND
S3	A-	P3	V+1	P11	DATA/SS
S4	GND	P4	GND	P12	GND
S5	B+	P5	GND	P13	V+2
S6	B-	P6	GND	P14	V+2
S7	GND	P7	V-	P15	V+2
		P8	V-	P15	V+2



SECT A-A



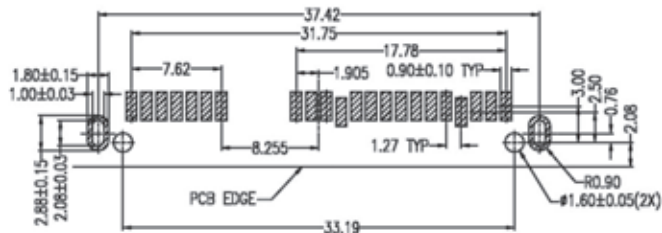
SECT B-B

ORDERING INFORMATION:

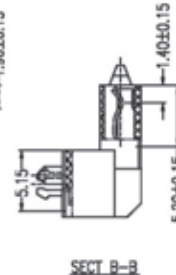
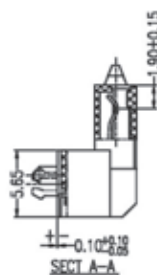
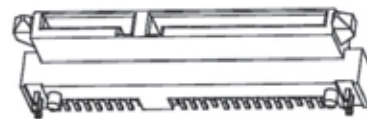
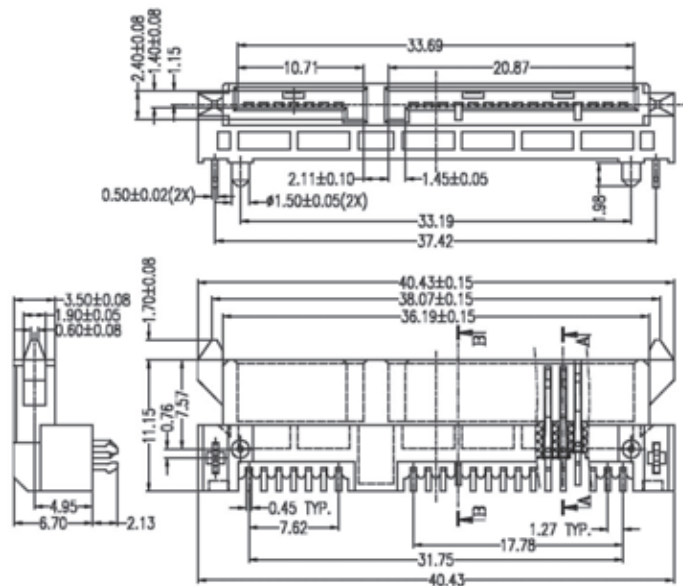
P/N S A T A 22 - T5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"T5" SATA FOR BACK PLATE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR UNDER BOARD SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.20mm)



Pin No.	Power	Signal	Pin No.	Power	Signal
1	V+	7	15	V-	15
2	V+	8	16	V-	16
3	V+	9	17	V-	17
4	V+	10	18	V-	18
5	V+	11	19	V-	19
6	V+	12	20	V-	20
7	V+	13	21	V-	21
8	V+	14	22	V-	22

Pin No.	Signal	Pin No.	Signal
1	7	15	15
2	8	16	16
3	9	17	17
4	10	18	18
5	11	19	19
6	12	20	20
7	13	21	21
8	14	22	22

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

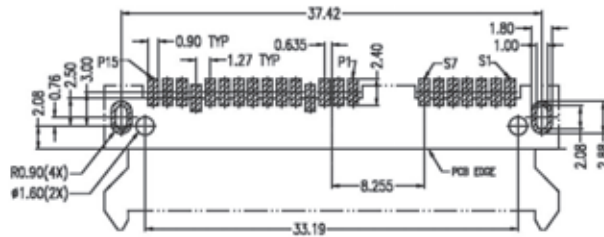
*RoHS & REACH compliant.

ORDERING INFORMATION:

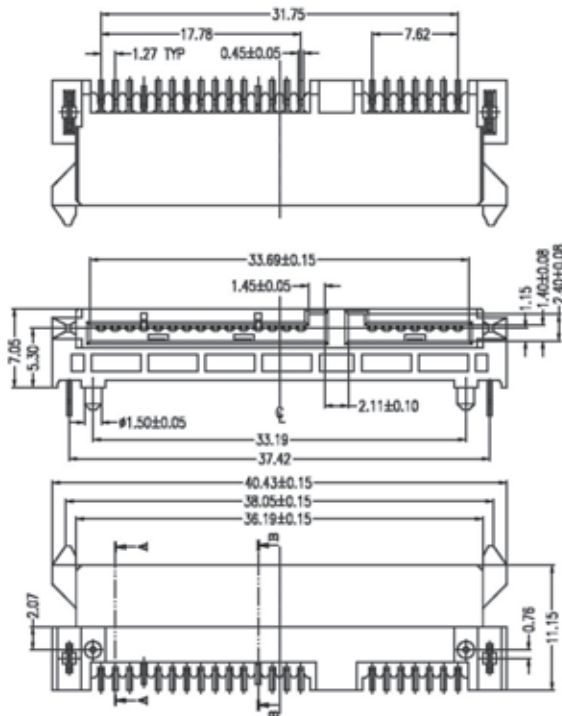
P/N S A T A 22 - T6 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"T6" UNDER BOARD SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

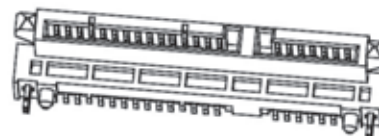
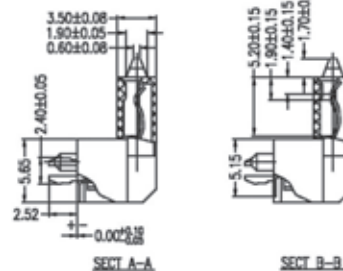
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.20/1.6mm)



Signal Segment		Power Segment	
Name	Type	Name	Type
S1	GND	P1	VCC
S2	A+	P2	VCC
S3	A-	P3	VCC
S4	GND	P4	GND
S5	B+	P5	GND
S6	B-	P6	GND
S7	GND	P7	GND
		P8	VCC



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

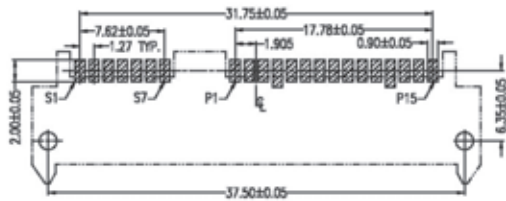
***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 22 - T7 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"T7" R/A SMT TYPE (7.05)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)

Signal Segment		Power Segment	
Name	Type	Name	Type
S1	QSO	P1	V13
S2	QSO	P2	V13
S3	A+	P3	V13
S4	A+	P4	V13
S5	QSO	P5	V13
S6	QSO	P6	V13
S7	QSO	P7	V13
		P8	V13
		P9	V13
		P10	V13
		P11	V13
		P12	V13
		P13	V13
		P14	V13
		P15	V13
		P16	V13
		P17	V13
		P18	V13
		P19	V13
		P20	V13
		P21	V13
		P22	V13
		P23	V13
		P24	V13
		P25	V13
		P26	V13
		P27	V13
		P28	V13
		P29	V13
		P30	V13
		P31	V13
		P32	V13
		P33	V13
		P34	V13
		P35	V13
		P36	V13
		P37	V13
		P38	V13
		P39	V13
		P40	V13
		P41	V13
		P42	V13
		P43	V13
		P44	V13
		P45	V13
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		P47	V13
		P48	V13
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		P82	V13
		P83	V13
		P84	V13
		P85	V13
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		P88	V13
		P89	V13
		P90	V13
		P91	V13
		P92	V13
		P93	V13
		P94	V13
		P95	V13
		P96	V13
		P97	V13
		P98	V13
		P99	V13
		P100	V13

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

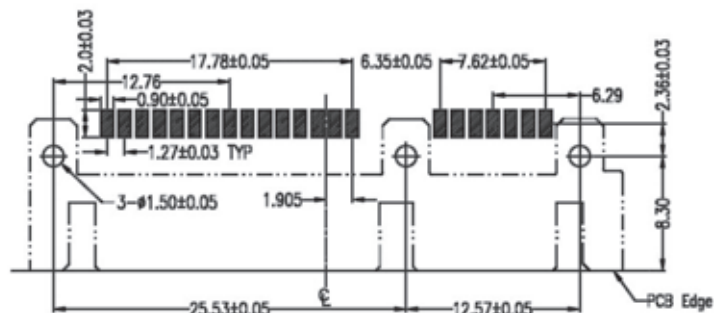
Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

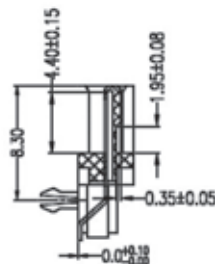
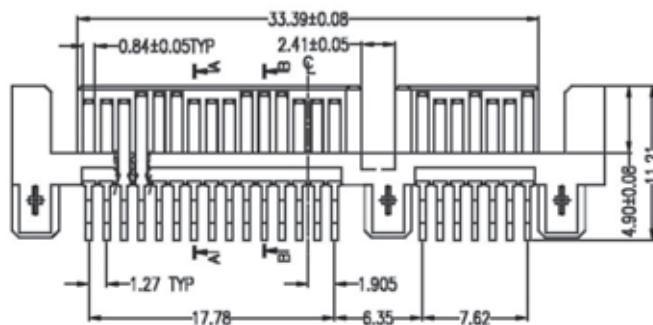
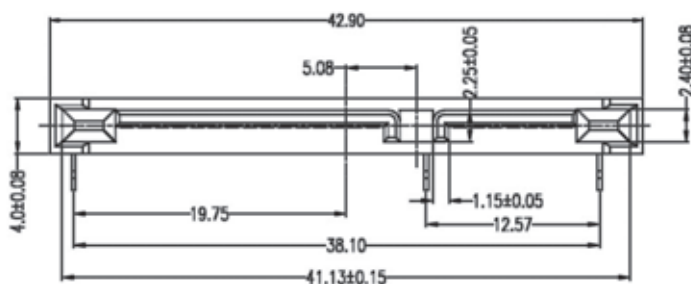
Operating Temperature: -55°C to +85°C

MATERIALS

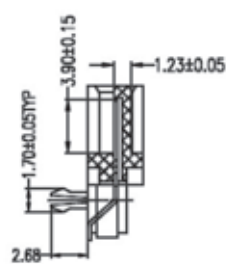
SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Top View



SECT B-B



SECT A-A

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

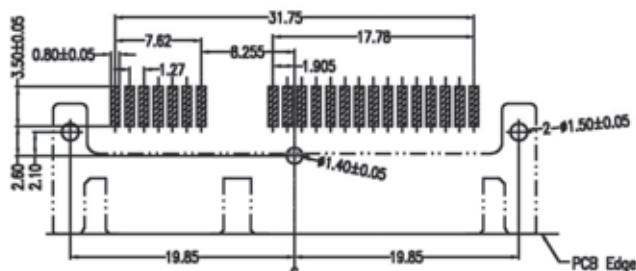
*RoHS & REACH compliant.

ORDERING INFORMATION:

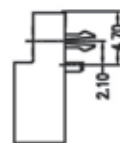
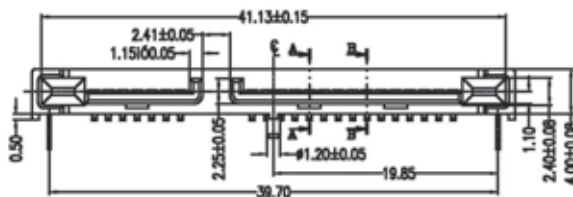
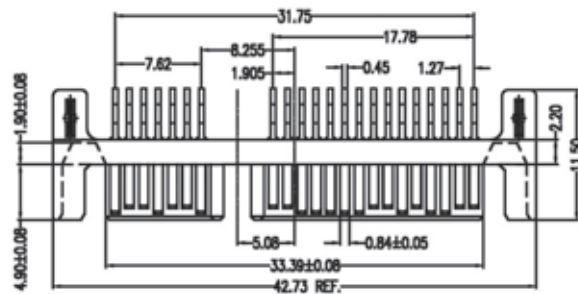
P/N S A T A 2 2 - U 1 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"U1" SATA FOR H.D.
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE

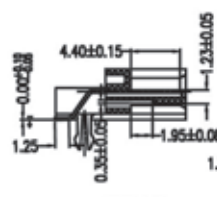


Recommended P.C. Board Layout
Top View (T=1.60mm)

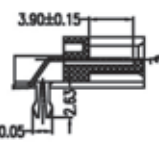


Signal Segment Name	Type
S1	0V
S2	0V
S3	0V
S4	0V
S5	0V
S6	0V
S7	0V

Power Segment Name	Type
P1	VCC
P2	VCC
P3	VCC
P4	0V
P5	0V
P6	0V
P7	0V
P8	0V
P9	0V
P10	0V
P11	0V
P12	0V
P13	0V
P14	0V
P15	0V



SECT A-A



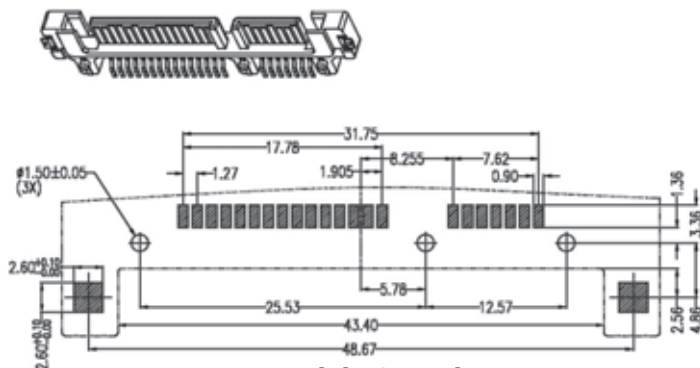
SECT B-B

ORDERING INFORMATION:

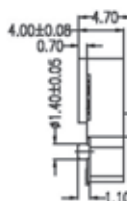
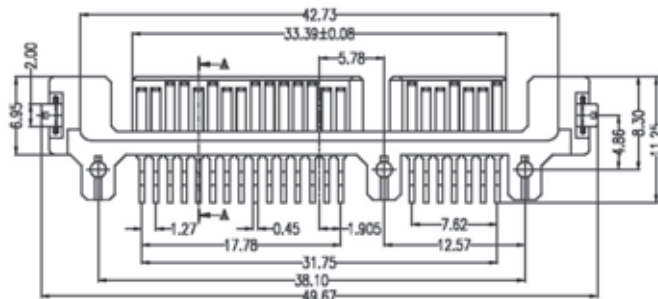
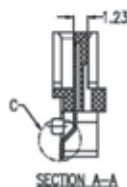
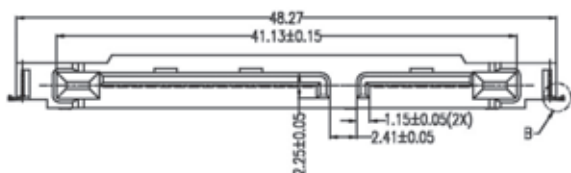
P/N S A T A 2 2 - U 2 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"U2" REVERSE R/A SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B+
S6	B-
S7	GND

Power Segment	
Name	Type
P1	V33
P2	V33
P3	V33
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	GND/GND
P12	GND
P13	V12
P14	V12
P15	V12

ORDERING INFORMATION:

P/N S A T A 22 - U 4 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"U4" R/A SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SPECIFICATIONS

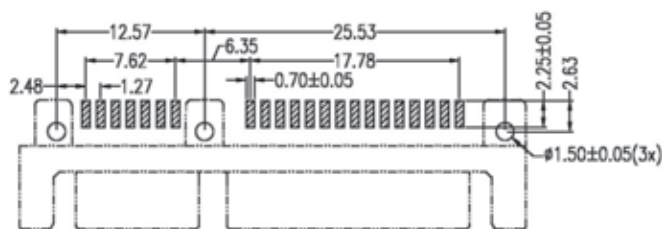
Current Rating: 1.5 Amperes
Insulation Resistance: 1000MΩ Min
Dielectric Withstanding: 500V AC
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

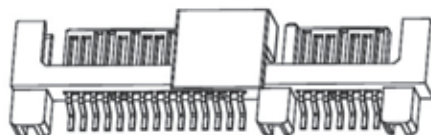
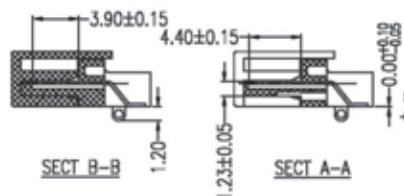
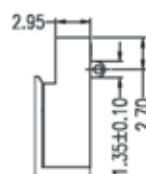
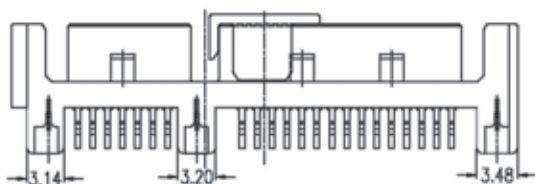
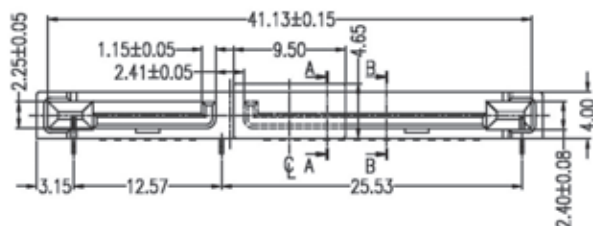
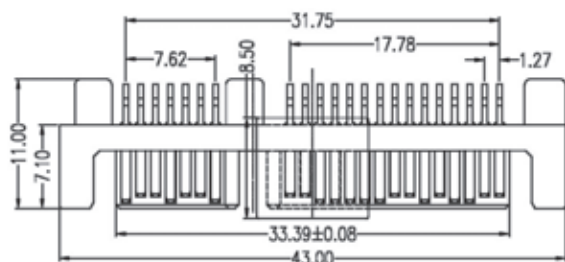
Housing: LCP, UL94V-0
Contact: Brass
Plating: Au Plating on Contact Area;
 Sn (100u" Min.) Plating on Solder
 Tail; Ni (40u" Min.) Underplating
 overall

*RoHS & REACH compliant.

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Component Side



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 2 2 - U 5 M B x x - x
1 2 3 4 5 6

1. NO. OF CONTACTS:

"22" 7P+15P

2. CONNECTOR CODE:

"U5" SMT TYPE WITH PLANE HARPOON

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

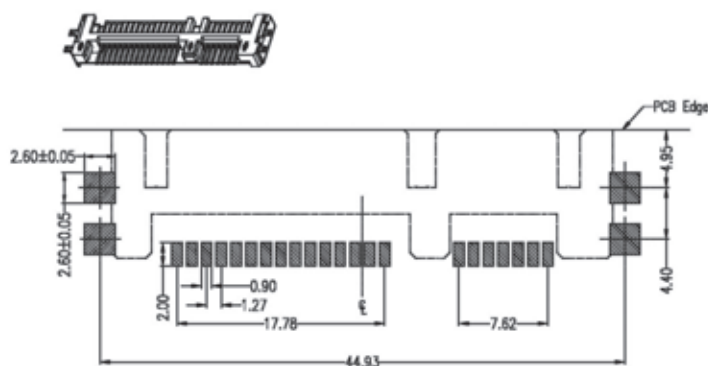
6. PACKAGE TYPE"

"0" TRAY

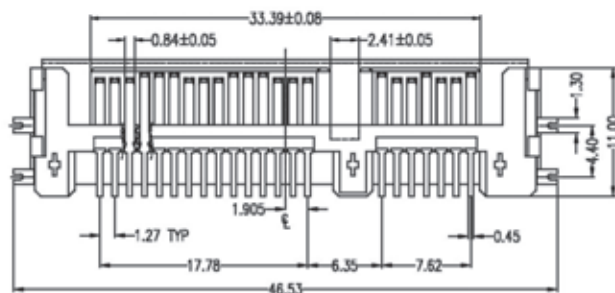
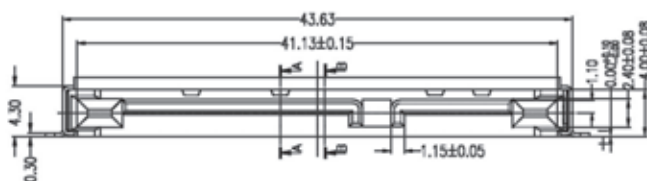
"T" TUBE

"Q" WITH PAD IN TAPE & REEL

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR METAL SHIELDED SMT TYPE



**Recommended P.C.Board Layout
Component Side (T=1.60mm)**



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

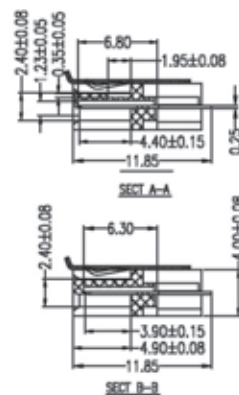
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**

Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V33	P9	V5
S2	A+	P2	V33	P10	GND
S3	A-	P3	V33	P11	DAS/DSS
S4	GND	P4	GND	P12	GND
S5	B+	P5	GND	P13	V12
S6	B-	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		

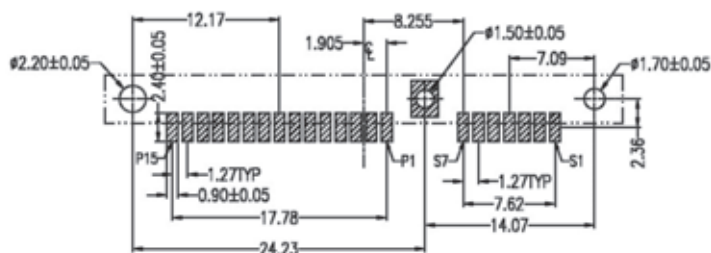


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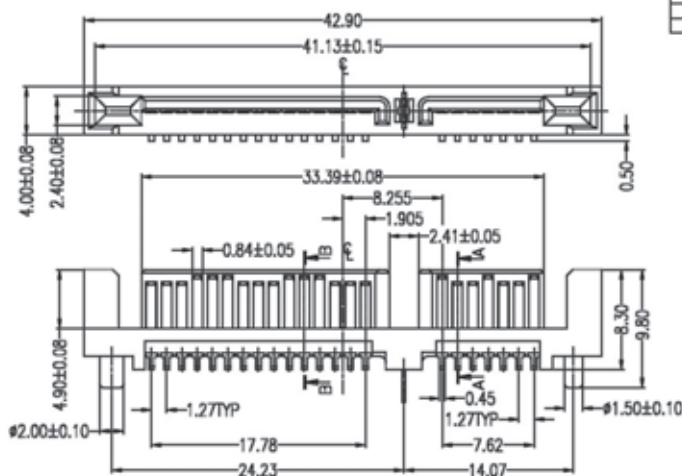
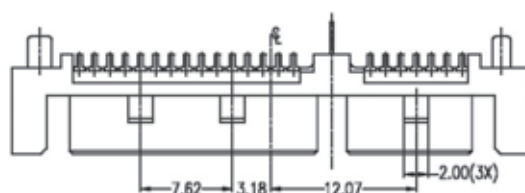
P/N S A T A 22 - U6 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"U6" SATA FOR H.D.
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

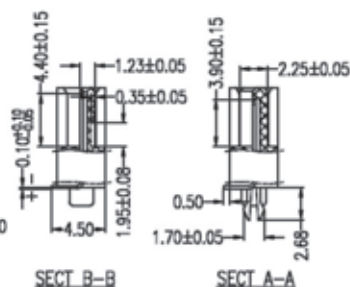
SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V11	P9	V5
S2	A+	P2	V11	P10	GND
S3	A-	P3	V11	P11	24S/DSS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

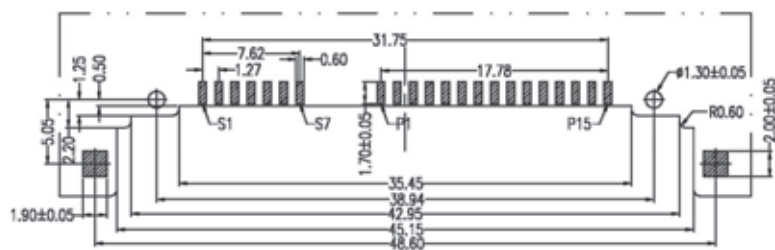
*RoHS & REACH compliant.

ORDERING INFORMATION:

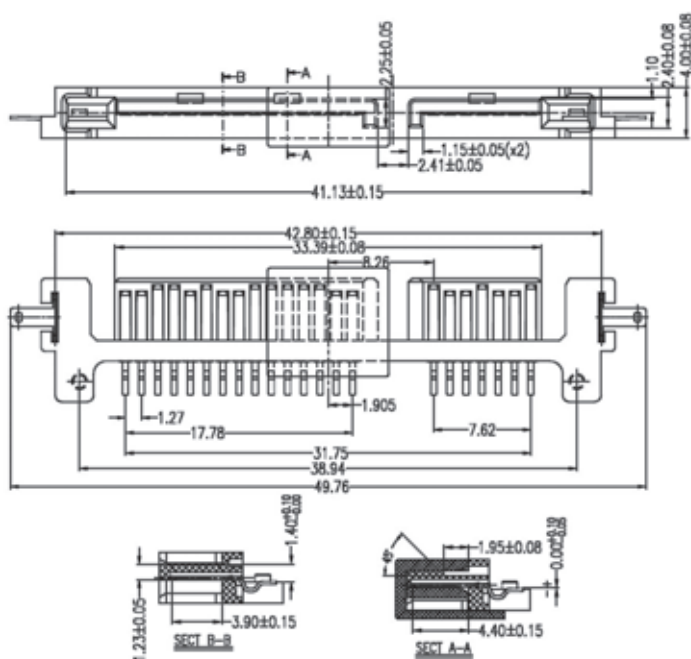
P/N S A T A 22 - U7 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"U7" SATA FOR H.D.
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE

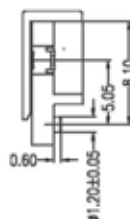


Recommended P.C. Board Layout
Component Side (T=1.60mm)



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

Power Segment	
Name	Type
P1	V33
P2	V33
P3	V33
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	DAS/DSS
P12	GND
P13	V12
P14	V12
P15	V12



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

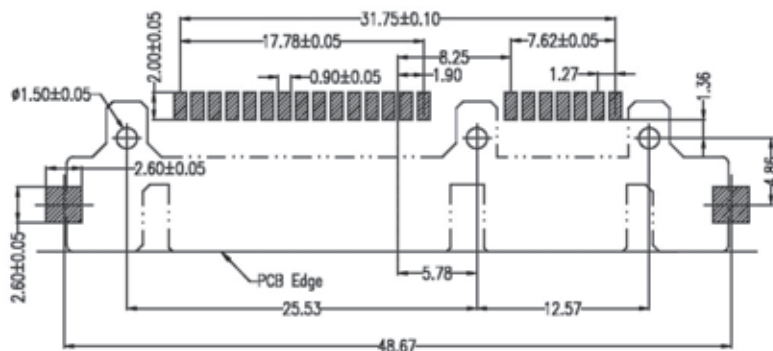
***RoHS & REACH compliant.**

ORDERING INFORMATION:

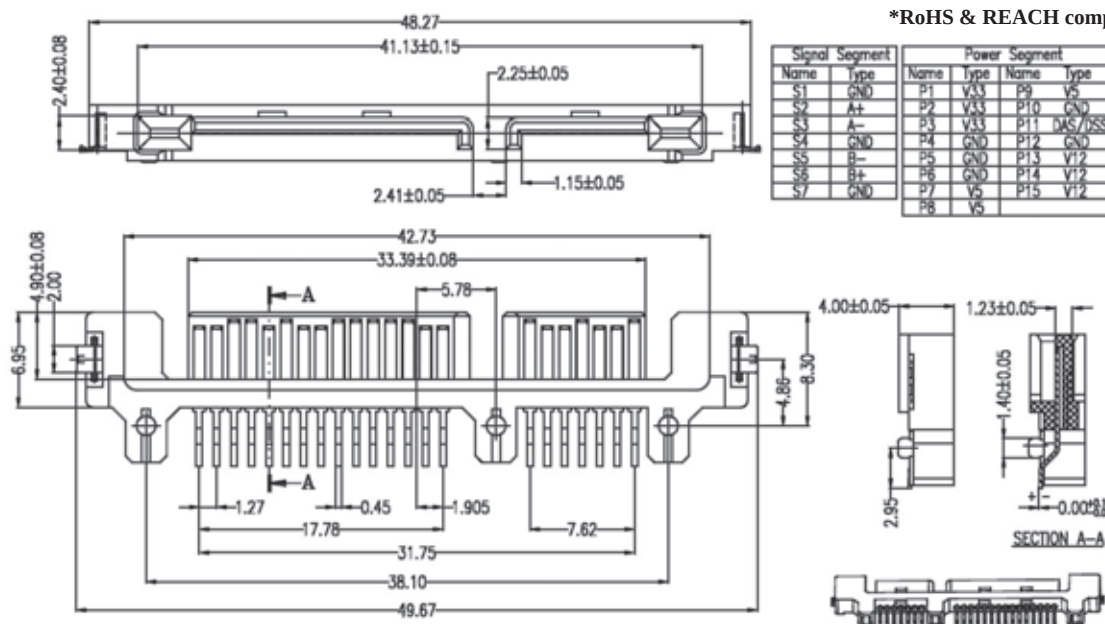
P/N S A T A 2 2 - U 8 M B x x - x
1 2 3 4 5 6

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"U8" REVERSE SUBSIDE SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
6. PACKAGE TYPE:
"0" TRAY
"Q" WITH PAD IN TAPE & REEL

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C. Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

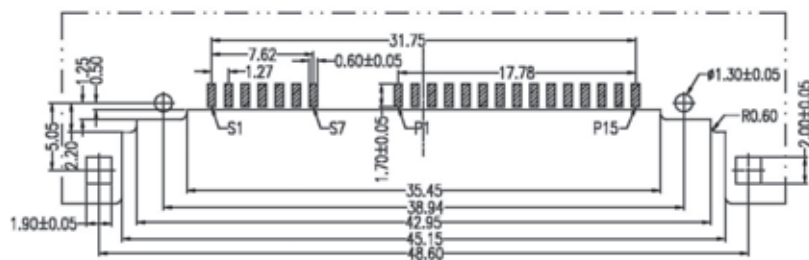
***RoHS & REACH compliant.**

ORDERING INFORMATION:

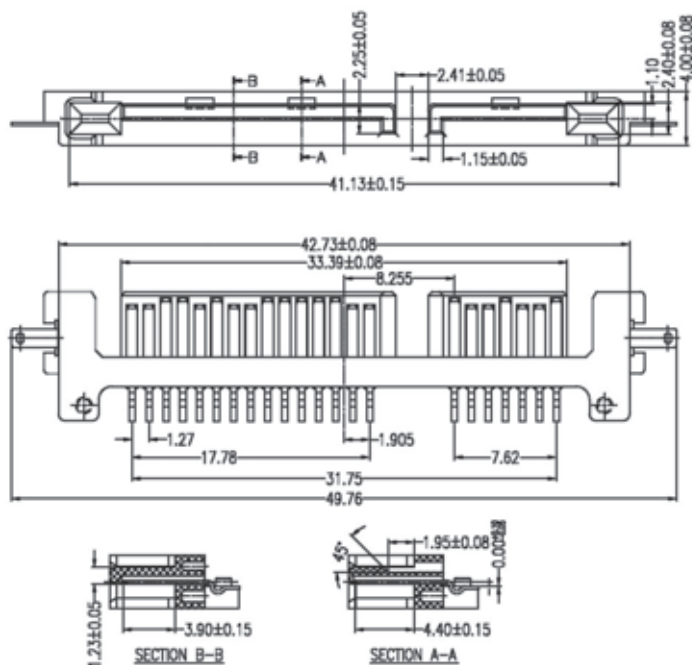
P/N S A T A 22 - U9 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"U9" R/A SUBSIDE SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

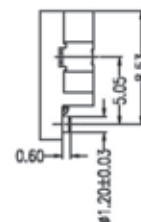
Contact: Brass

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

Signal Segment	Name	Type
S1	GND	
S2	A+	
S3	A-	
S4	GND	
S5	B-	
S6	B+	
S7	GND	

Power Segment	Name	Type
P1	V33	
P2	V33	
P3	V33	
P4	GND	
P5	GND	
P6	GND	
P7	V5	
P8	V5	
P9	V5	
P10	GND	
P11	DAS/DSS	
P12	GND	
P13	V12	
P14	V12	
P15	V12	

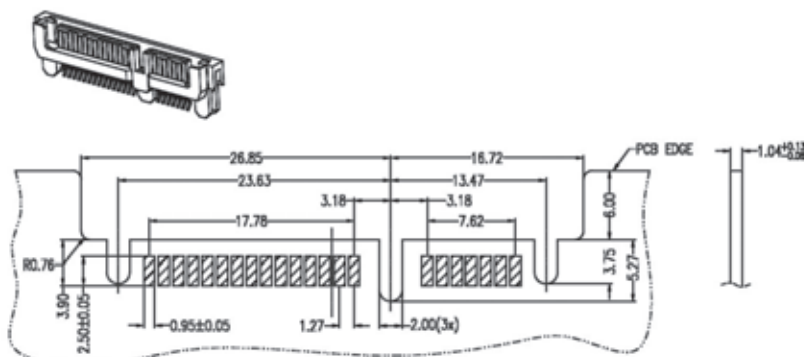


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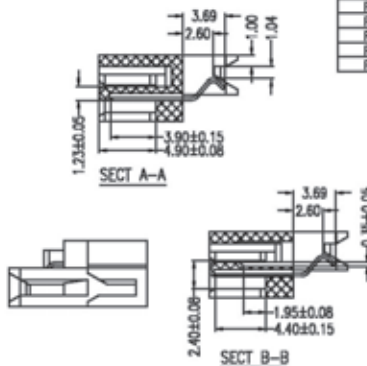
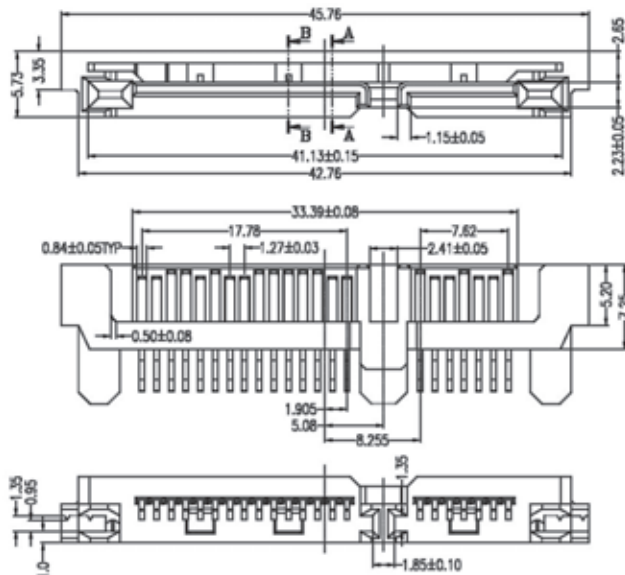
P/N S A T A 2 2 - V 1 M B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V1" REVERSE SUBSIDE SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR STRADDLE TYPE



Recommended P.C.Board Layout
Component Side



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B+
S6	B-
S7	GND

Power Segment	
Name	Type
P1	V33
P2	V33
P3	V33
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	DAS/SSS
P12	GND
P13	V12
P14	V12
P15	V12

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

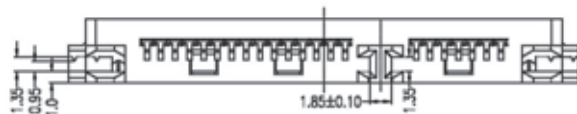
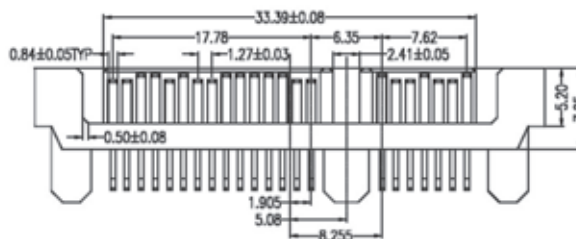
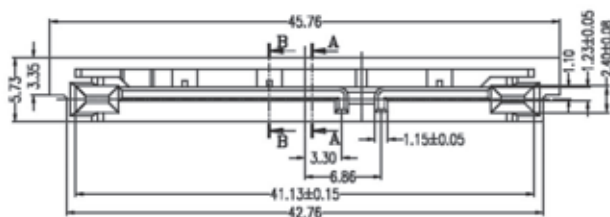
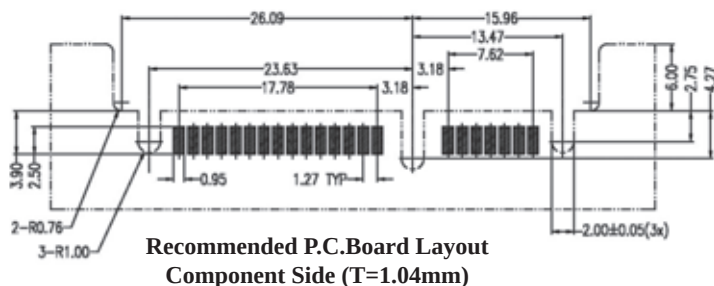
*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A $\frac{22}{1}$ - $\frac{V2}{2}$ $\frac{M}{3}$ $\frac{B}{4}$ $\frac{x}{5}$ x

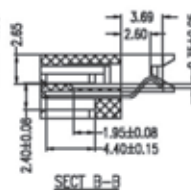
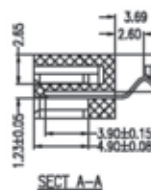
1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V2" SATA FOR MOTHER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN MALE CONNECTOR STRADDLE TYPE



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B+
S6	B-
S7	GND

Power Segment			
Name	Type	Name	Type
P1	V33	P9	V5
P2	V33	P10	GND
P3	V33	P11	3.3V/5V
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating overall

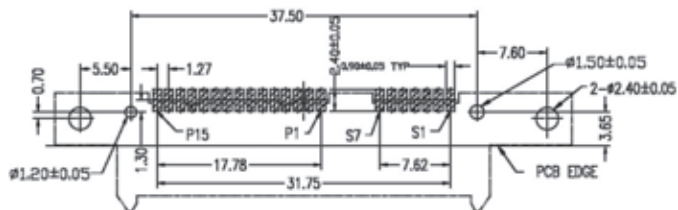
***RoHS & REACH compliant.**

ORDERING INFORMATION:

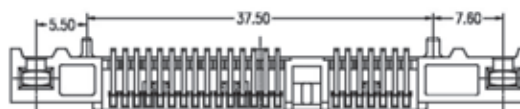
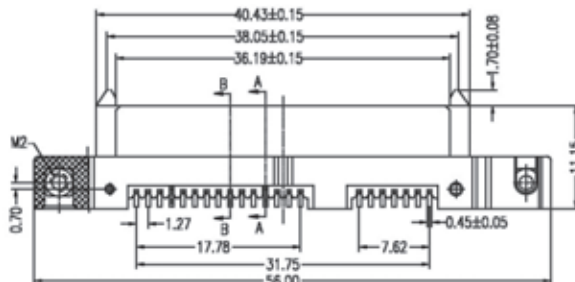
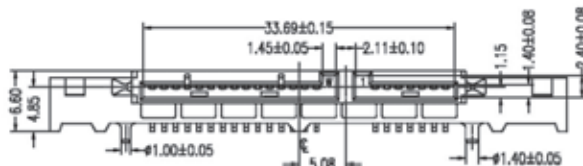
P/N S A T A $\frac{22}{1}$ - $\frac{V3}{2}$ $\frac{M}{3}$ $\frac{B}{4}$ $\frac{x}{5}$ x

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V3" SATA FOR MOTHER
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR SMT TYPE

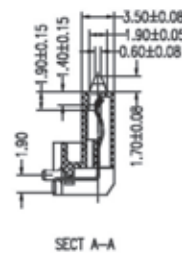


Recommended P.C. Board Layout
Top View



Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B+
S6	B-
S7	GND

Power Segment			
Name	Type	Name	Type
P1	V33	P9	V5
P2	V33	P10	GND
P3	V33	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

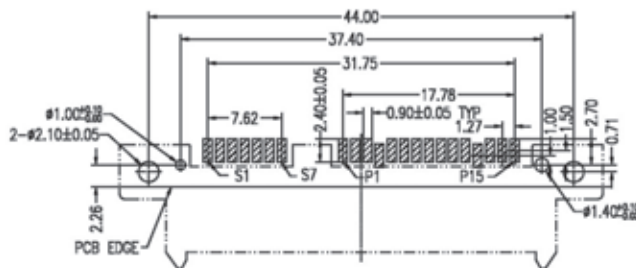
*RoHS & REACH compliant.

ORDERING INFORMATION:

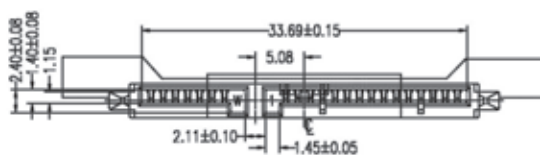
P/N S A T A 22 - V4 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V4" SMT TYPE (6.6)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

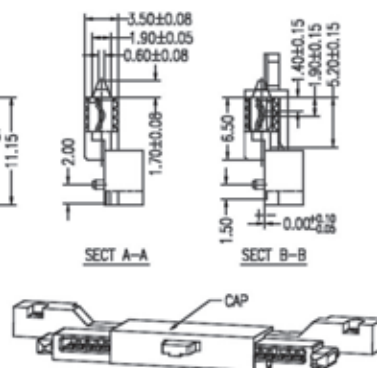
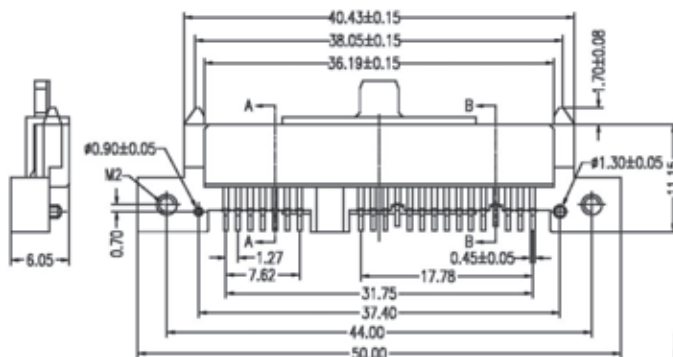
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT SMT TYPE



**Recommended P.C. Board Layout
Component Side (T=1.20mm)**



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V3.3	P9	V5
S2	A+	P2	V3.3	P10	GND
S3	A-	P3	V3.3	P11	DAS/ISS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		

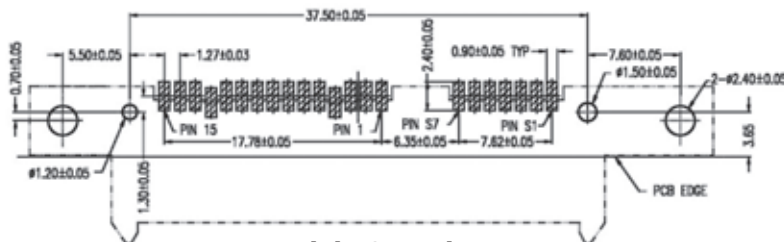


ORDERING INFORMATION:

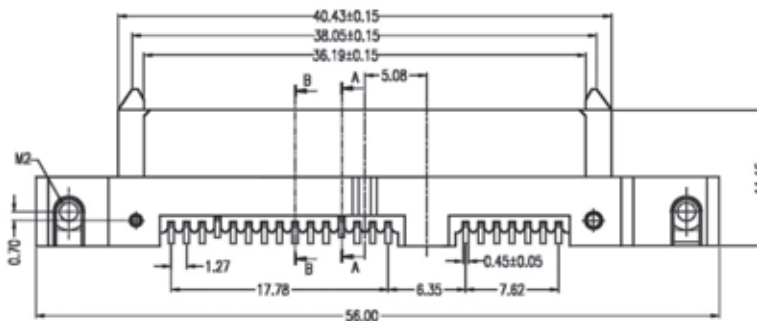
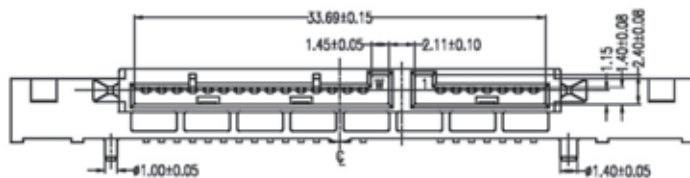
P/N S A T A 22 - V5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V5" REVERSE SUBSIDE SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

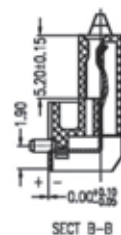
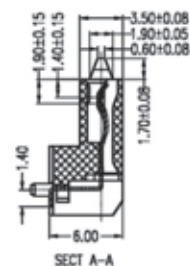
MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

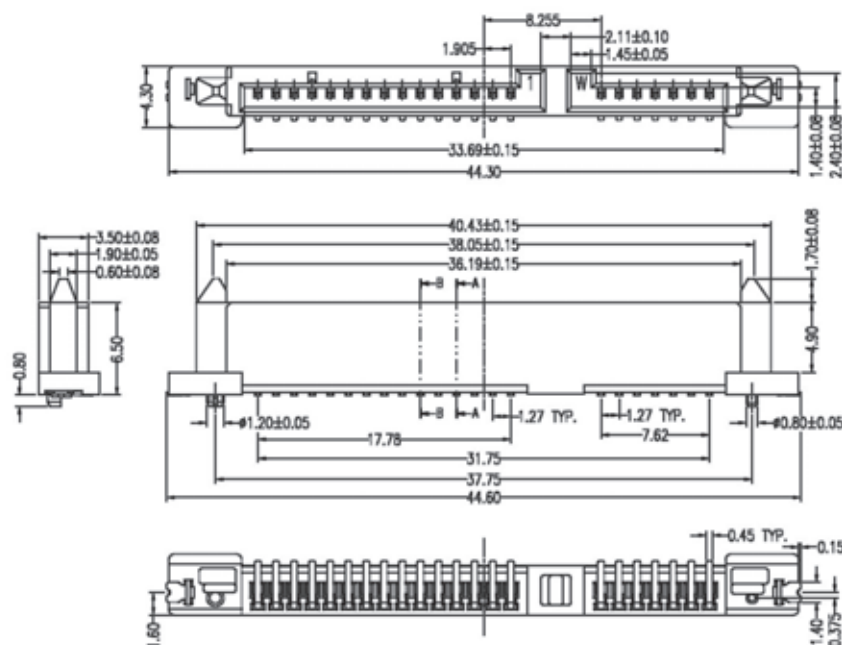
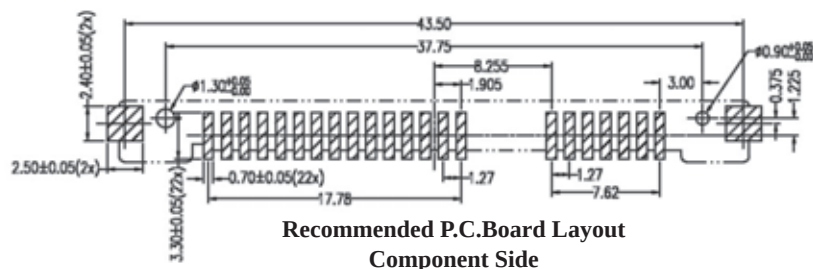


ORDERING INFORMATION:

P/N S A T A 2 2 - V 6 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V6" LENGTHEN SMT TYPE (6.50)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

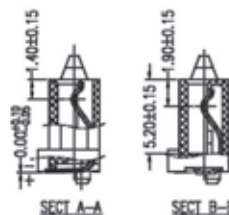
Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.



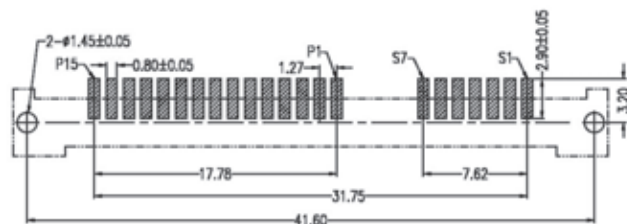
Pin No.	Signal Name	Pin No.	Power Name	Pin No.	Power Name
1	NC	11	V11	16	V16
2	NC	12	V12	17	V17
3	NC	13	V13	18	V18
4	NC	14	V14	19	V19
5	NC	15	V15	20	V20
6	NC	16	V16	21	V21
7	NC	17	V17	22	V22
8	NC	18	V18	23	V23
9	NC	19	V19	24	V24
10	NC	20	V20	25	V25
11	NC	21	V21	26	V26
12	NC	22	V22	27	V27
13	NC	23	V23	28	V28
14	NC	24	V24	29	V29
15	NC	25	V25	30	V30

ORDERING INFORMATION:

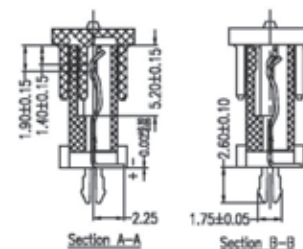
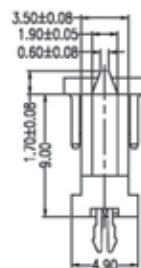
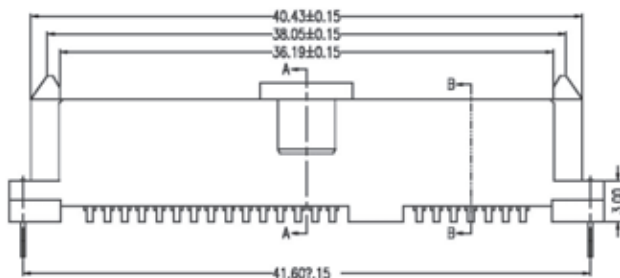
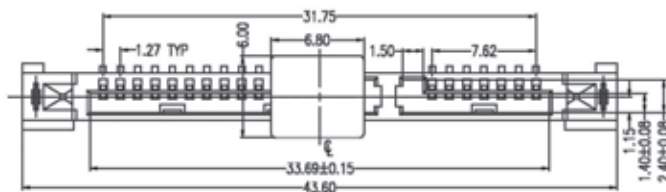
P/N S A T A 22 - V7 F B xx
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V7" VERTICAL SMT TYPE (6.50)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C. Board Layout
Top View



Signal Segment		Power Segment	
Name	Type	Name	Type
S1	GND	P1	V+5
S2	A+	P2	V+5
S3	A-	P3	V+5
S4	GND	P4	GND
S5	B+	P5	GND
S6	B-	P6	GND
S7	GND	P7	V+5
		P8	V+5

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

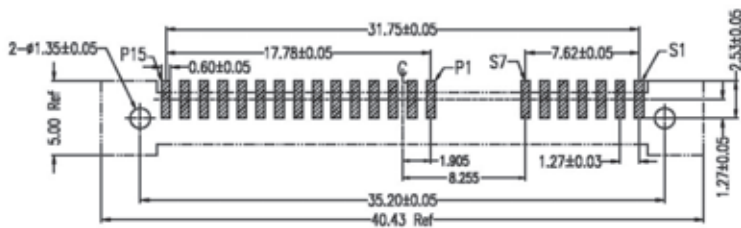
*RoHS & REACH compliant.

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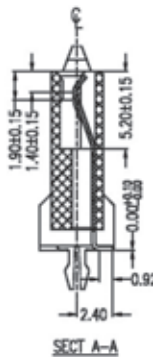
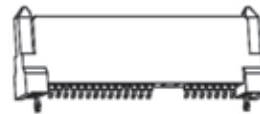
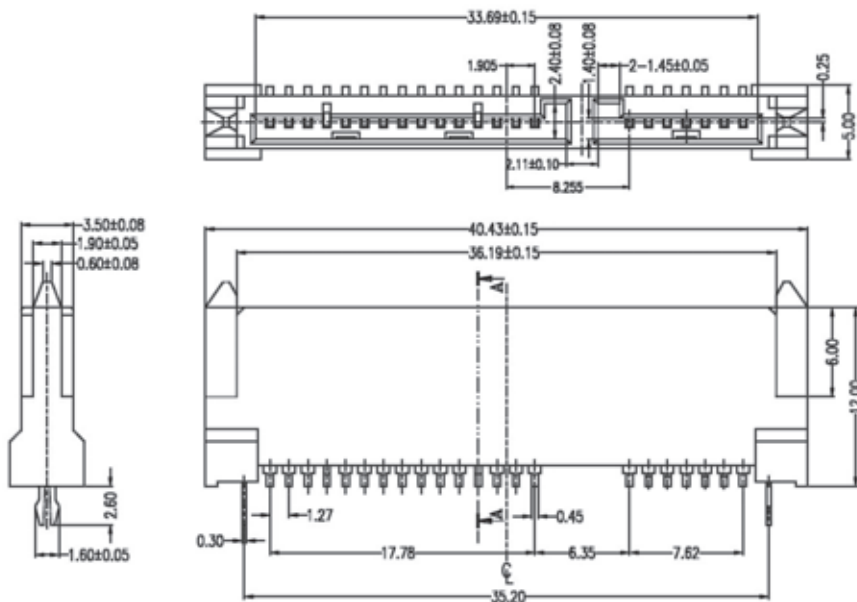
P/N S A T A 22 - V8 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V8" VERTICAL SMT TYPE WITH MULTIFUNCTION
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

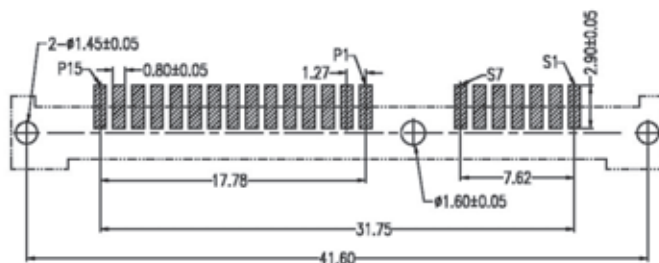
***RoHS & REACH compliant.**

ORDERING INFORMATION:

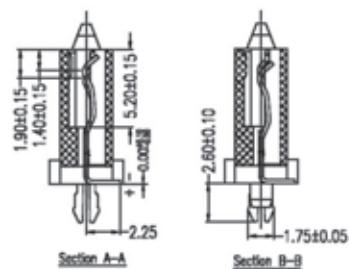
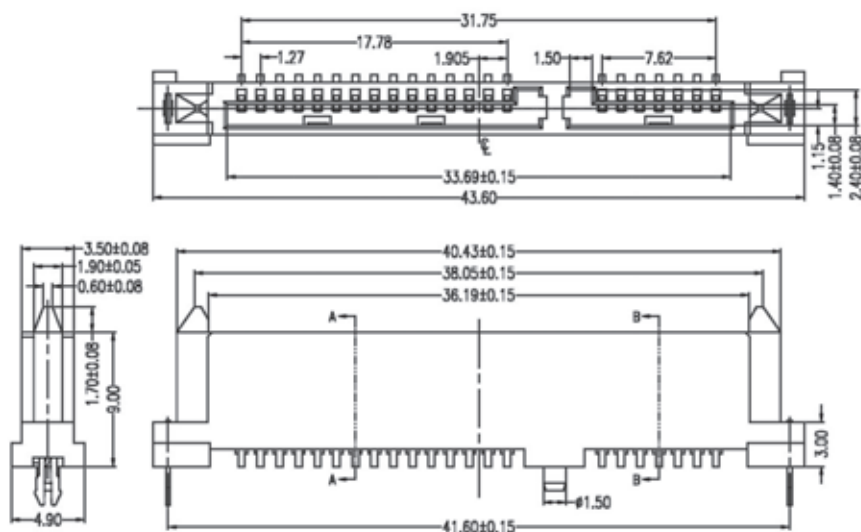
P/N S A T A 2 2 - V 9 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"V9" SMT TYPE (12.0)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C.Board Layout



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V33	P9	V5
S2	A+	P2	V33	P10	GND
S3	A-	P3	V33	P11	DAS/DSS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		PR	V5		

ORDERING INFORMATION:

P/N S A T A 2 2 - W 1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"W1" MULTIFUNCTION & WITH POSTS
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

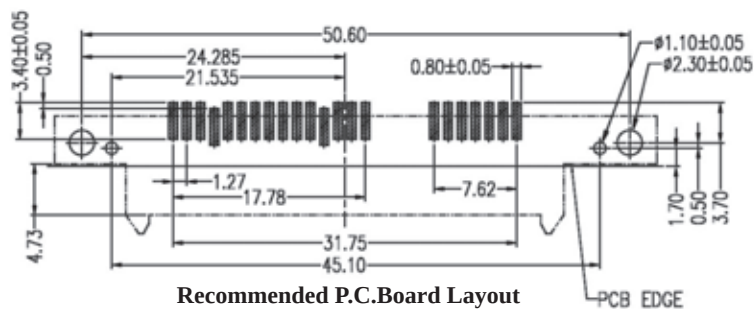
Housing: LCP, UL94V-0

Contact: Phosphor Bronze

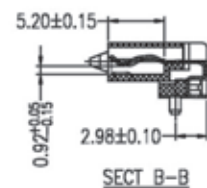
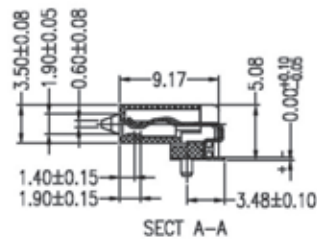
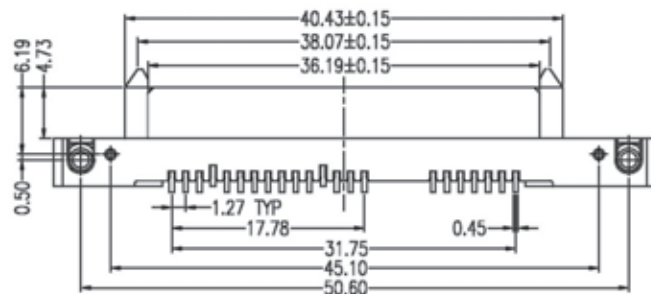
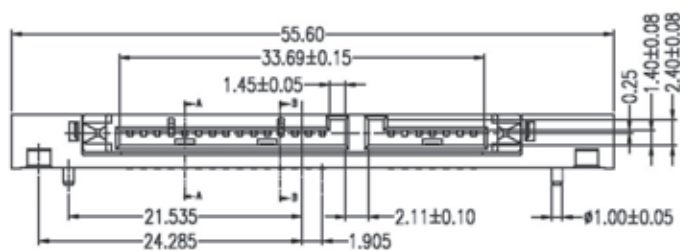
Plating: Gold Plating over Nickel on Contact Area; Tin Plating on Solder Tail

***RoHS & REACH compliant.**

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C. Board Layout
Top View (T=1.20mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

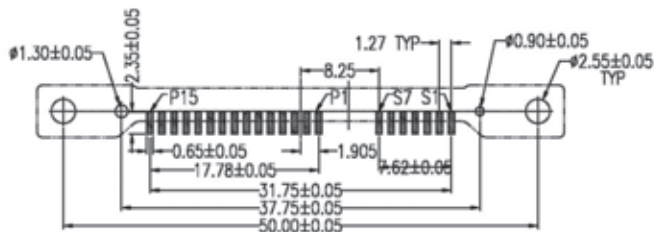
Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V33	P9	V5
S2	A+	P2	V33	P10	GND
S3	A-	P3	V33	P11	DAS/DSS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		

ORDERING INFORMATION:

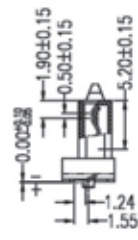
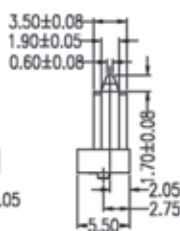
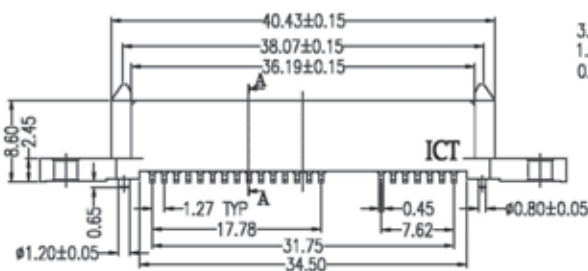
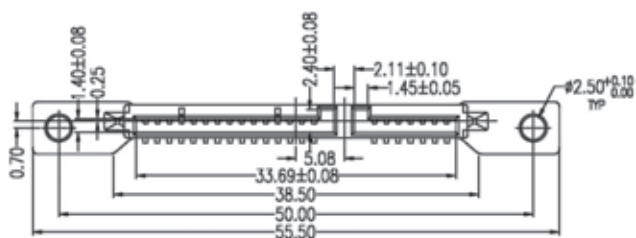
P/N S A T A 22 - W2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"W2" NONE VIBRATION SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

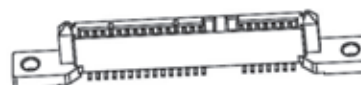
SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C. Board Layout
Component Side



SECTION A-A



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Sn Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

Signal Segment	Name	Type
P1	P1	Signal
P2	P2	Signal
P3	P3	Signal
P4	P4	Signal
P5	P5	Signal
P6	P6	Signal
P7	P7	Signal
P8	P8	Signal
P9	P9	Signal
P10	P10	Signal
P11	P11	Signal
P12	P12	Signal
P13	P13	Signal
P14	P14	Signal
P15	P15	Signal

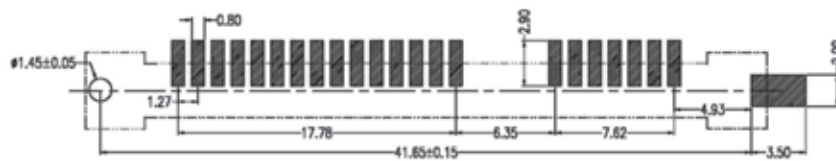
Power Segment	Name	Type
P1	P1	Power
P2	P2	Power
P3	P3	Power
P4	P4	Power
P5	P5	Power
P6	P6	Power
P7	P7	Power
P8	P8	Power
P9	P9	Power
P10	P10	Power
P11	P11	Power
P12	P12	Power
P13	P13	Power
P14	P14	Power
P15	P15	Power

ORDERING INFORMATION:

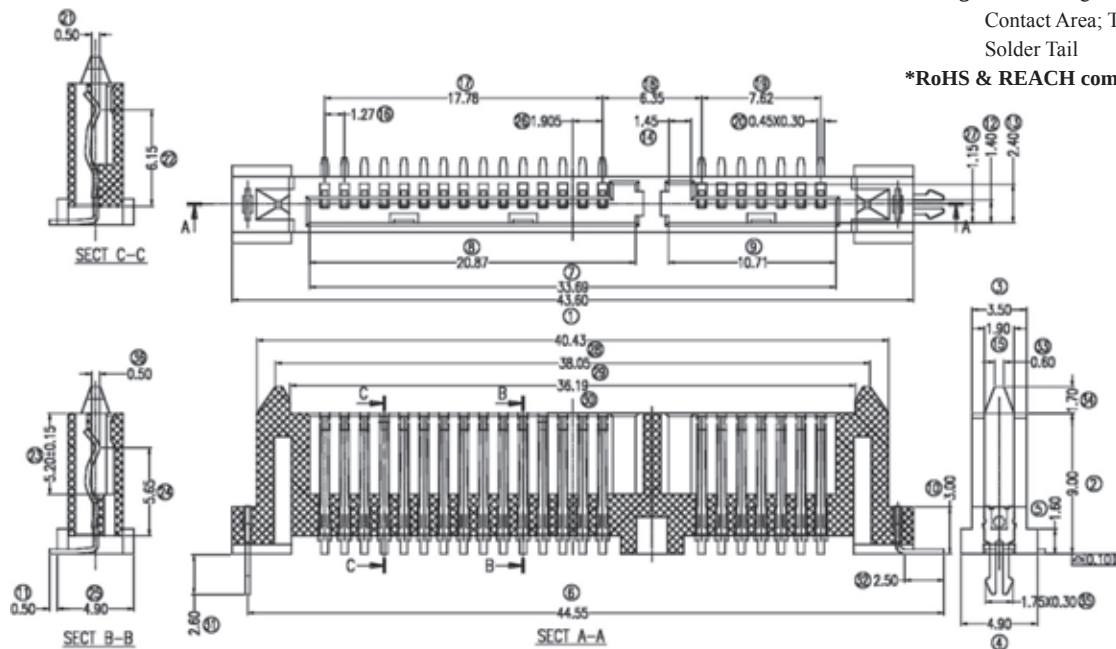
P/N S A T A 22 - W3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"W3" VERTICAL SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR SMT TYPE FOR RISER CARD



Recommended P.C.Board Layout
Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

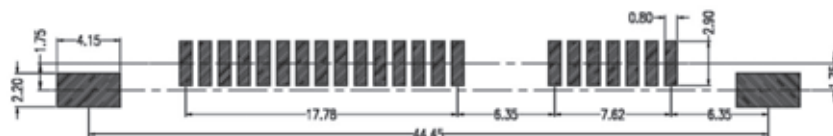
***RoHS & REACH compliant.**

ORDERING INFORMATION:

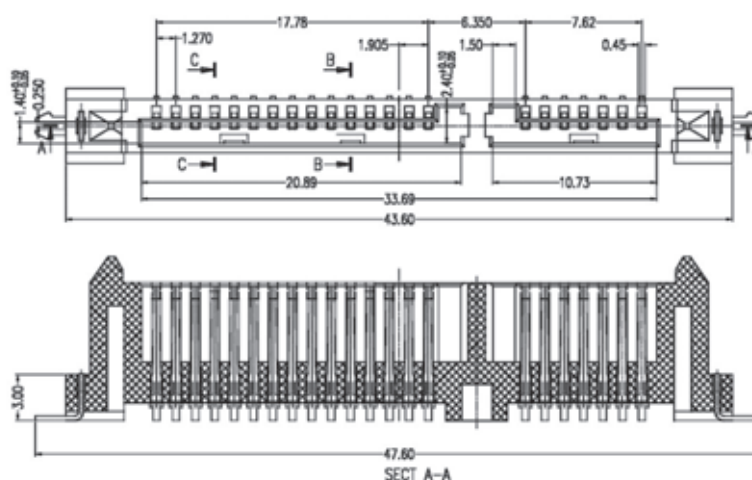
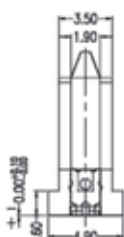
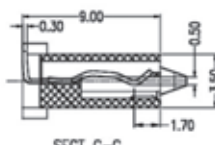
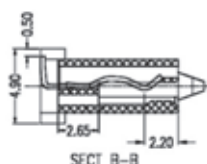
P/N S A T A 2 2 - W 5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"W5" 7P WITH SMT POSTS & 15P WITH DIP POST
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

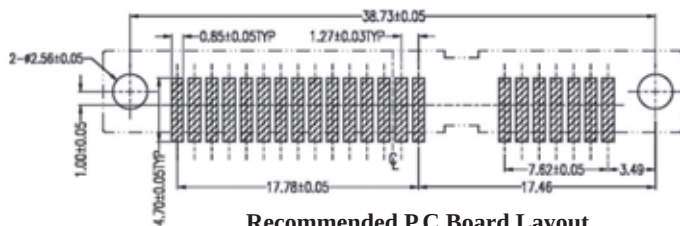
***RoHS & REACH compliant.**

ORDERING INFORMATION:

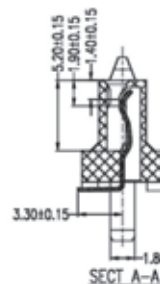
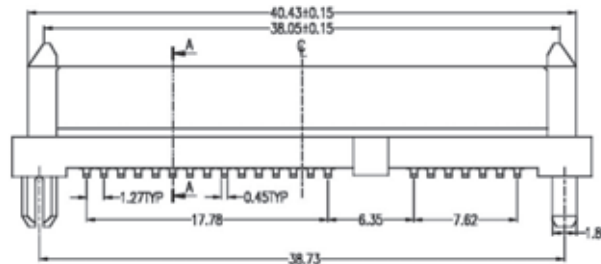
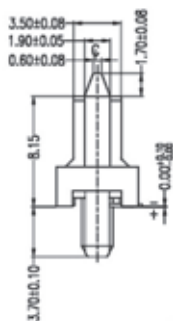
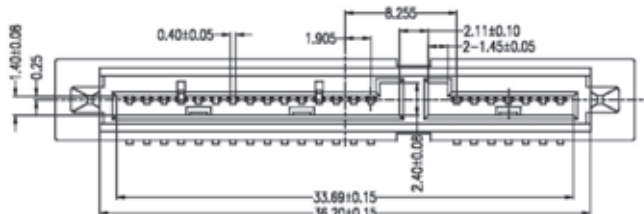
P/N S A T A 2 2 - W 6 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"W6" SMT TYPE WITH SMT POSTS
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C. Board Layout
Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

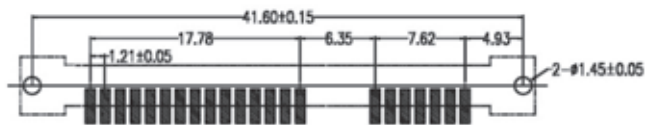
***RoHS & REACH compliant.**

ORDERING INFORMATION:

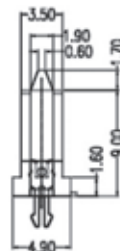
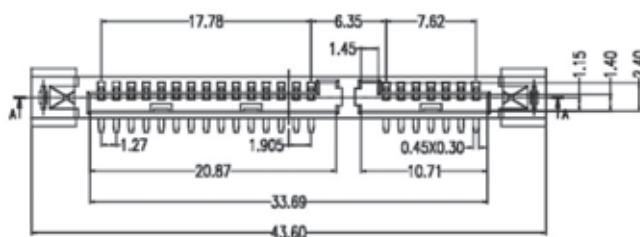
P/N S A T A 22 - W 7 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"W7" REVERSE SMT TYPE (3.30)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout
Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

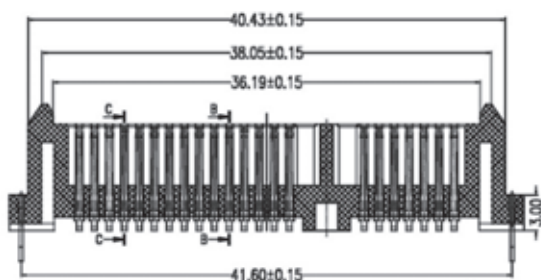
MATERIALS

Housing: LCP, UL94V-0

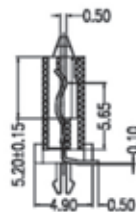
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

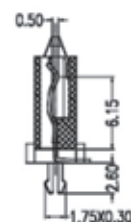
***RoHS & REACH compliant.**



SECT A-A



SECT B-B



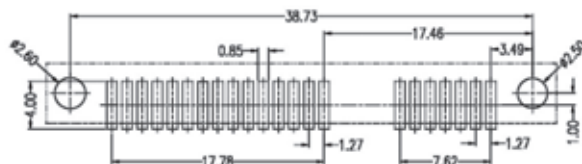
SECT C-C

ORDERING INFORMATION:

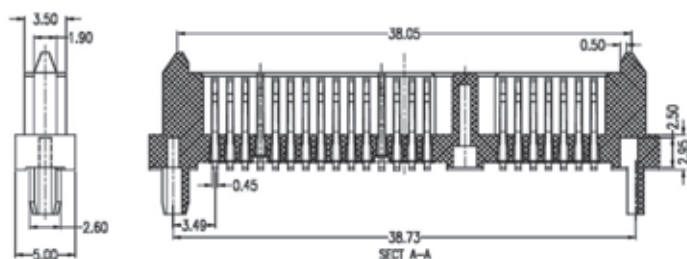
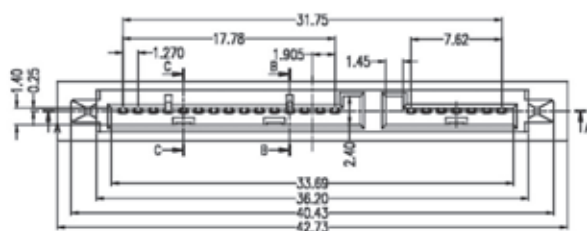
P/N S A T A 2 2 - W 8 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"W8" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR REVERSE MOUNT SMT TYPE WITH PLASTIC POSTS



Recommended P.C.Board Layout



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

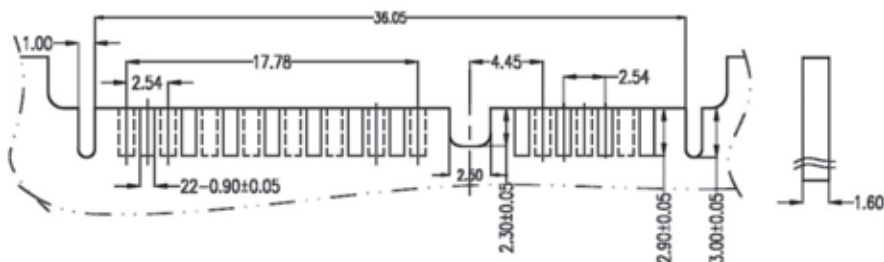
***RoHS & REACH compliant.**

ORDERING INFORMATION:

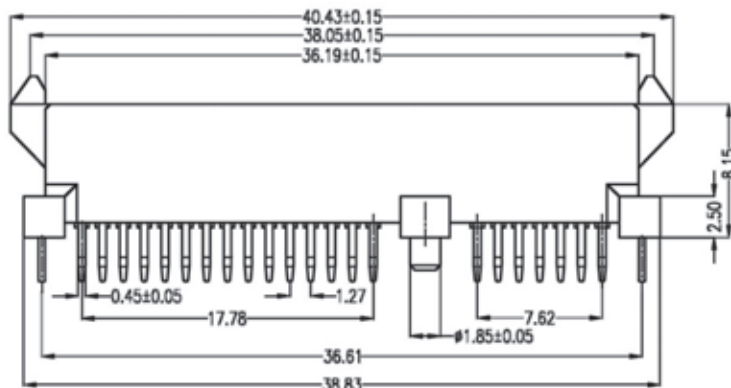
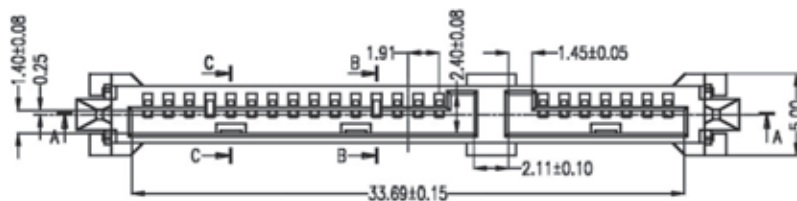
P/N S A T A 2 2 - W 9 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"W9" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRADDLE TYPE



Recommended P.C. Board Layout
Top View (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

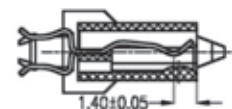
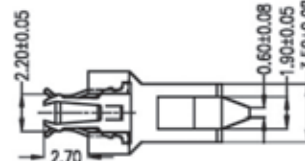
MATERIALS

Housing: LCP, UL94V-0

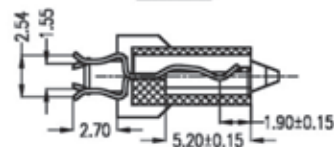
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.



SECT B-B



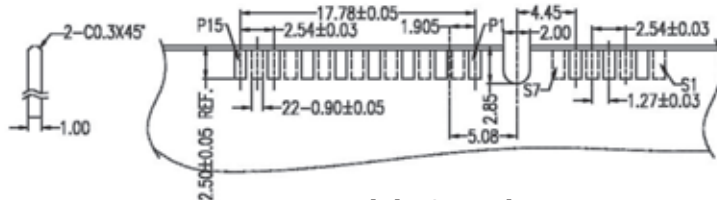
SECT C-C

ORDERING INFORMATION:

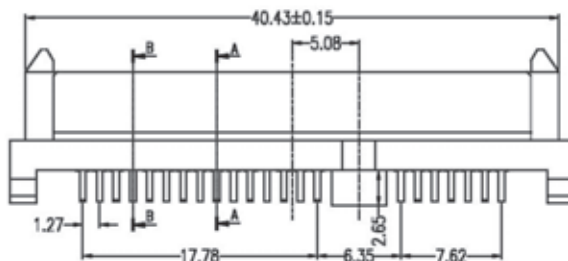
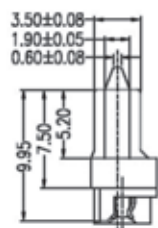
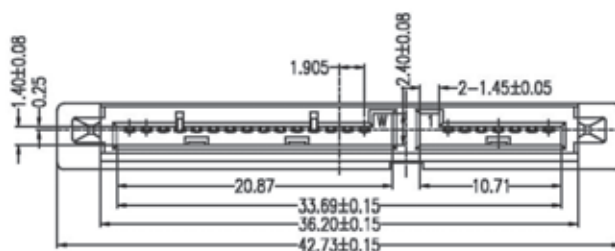
P/N S A T A 22 - X1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"X1" DOUBLE ROW STRADDLE TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRADDLE TYPE

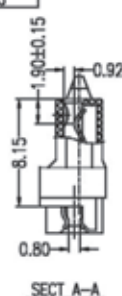
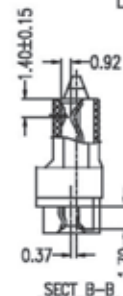


Recommended P.C. Board Layout
Top View (T=1.00mm)



Signal Segment	Name	Type
S1	GND	
P1	A+	
P2	A-	
P3	GND	
P4	GND	
P5	GND	
P6	GND	
P7	GND	
P8	GND	

Power Segment	Name	Type	Name	Type
P1	V33		P9	V5
P2	V33		P10	GND
P3	V33		P11	DAS/SS
P4	GND		P12	GND
P5	GND		P13	V12
P6	GND		P14	V12
P7	GND		P15	V12
P8	V5			



ORDERING INFORMATION:

P/N S A T A 22 - X2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"X2" DOUBLE ROW STRADDLE TYPE (5.00)
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SPECIFICATIONS

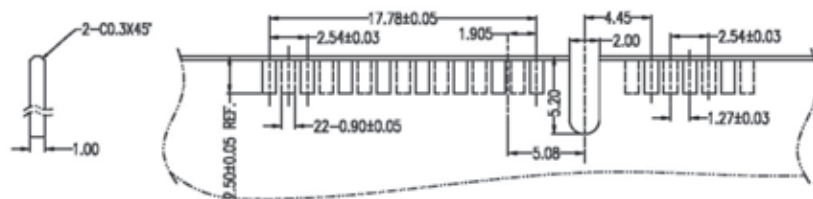
Current Rating: 1.5 Amperes
Insulation Resistance: 1000MΩ Min
Dielectric Withstanding: 500V AC
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +85°C

MATERIALS

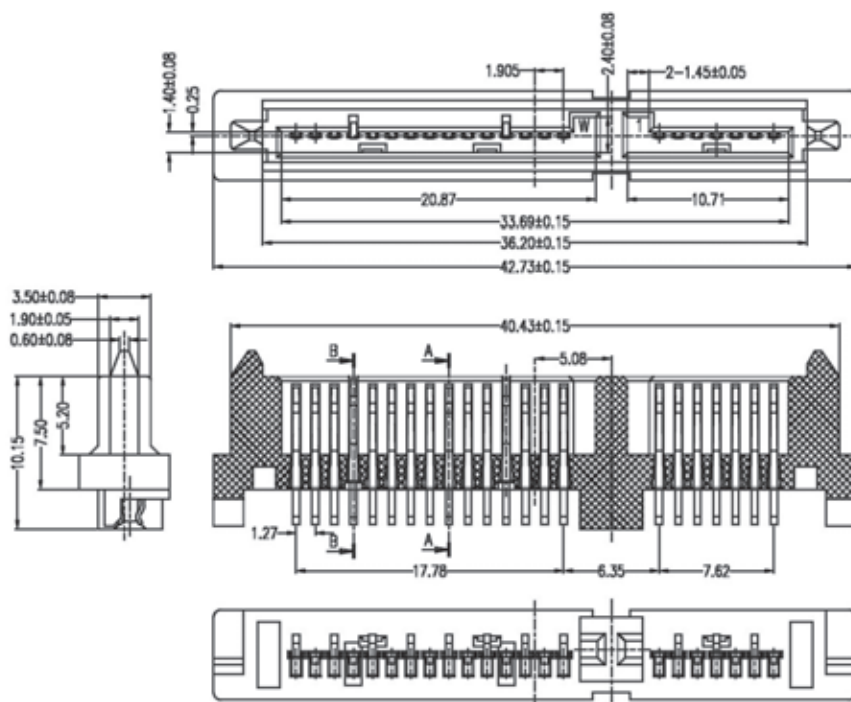
Housing: LCP, UL94V-0
Contact: Phosphor Bronze
Plating: Gold Plating on Contact Area;
Tin (100u" Min.) Plating on Solder
Tail; Nickel (40u" Min.)
Underplating overall

*RoHS & REACH compliant.

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRADDLE TYPE



Recommended P.C. Board Layout
Top View



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

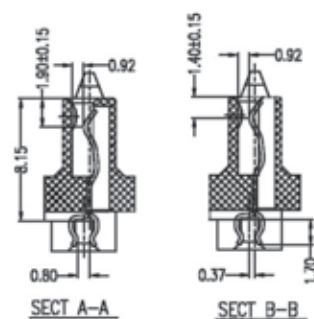
MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

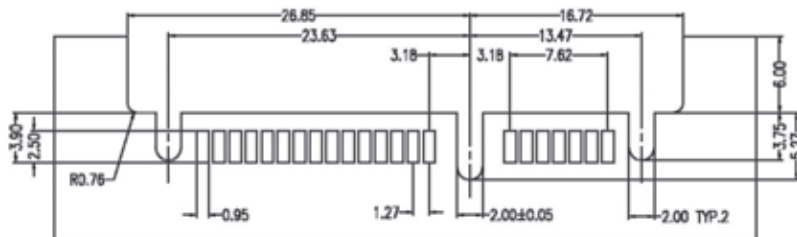


ORDERING INFORMATION:

P/N S A T A 2 2 - X 3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"X3" DOUBLE ROW STRADDLE TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR UNDER BOARD STRADDLE TYPE



Recommended P.C.Board Layout
(T=1.60mm)

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

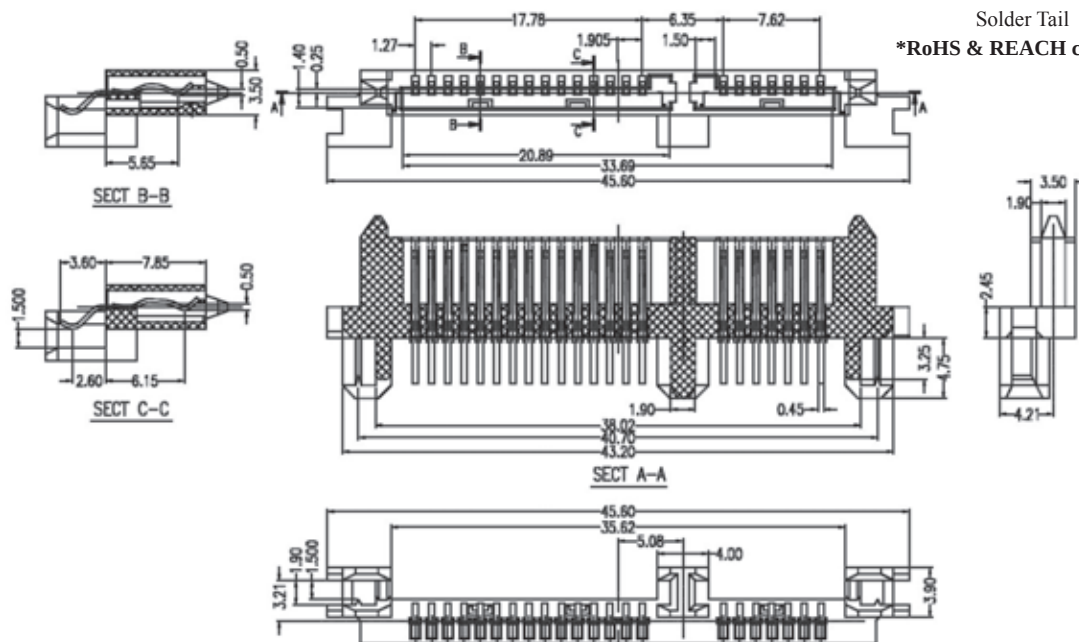
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

***RoHS & REACH compliant.**

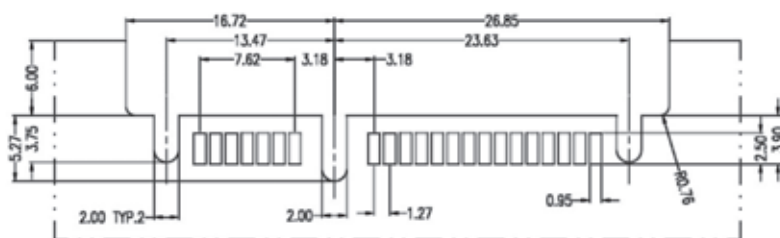


ORDERING INFORMATION:

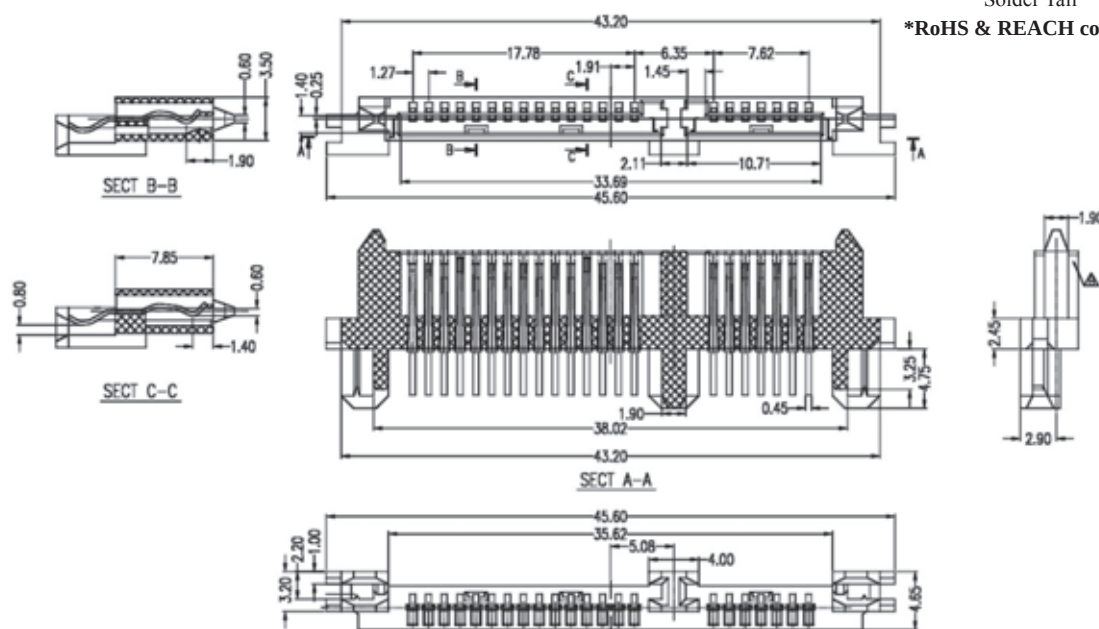
P/N S A T A 22 - X4 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"X4" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SERIAL ATA (SATA) 7+15 PIN FEMALE CONNECTOR STRADDLE TYPE



Recommended P.C.Board Layout
(T=1.00mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

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

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

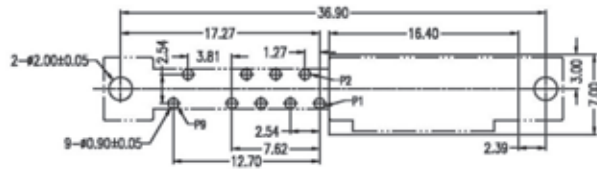
***RoHS & REACH compliant.**

ORDERING INFORMATION:

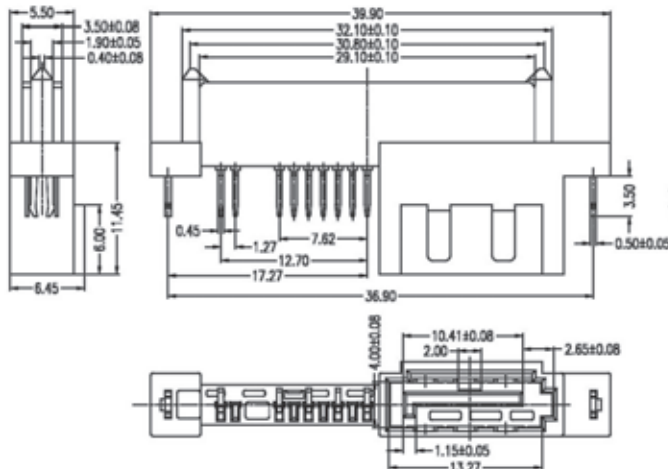
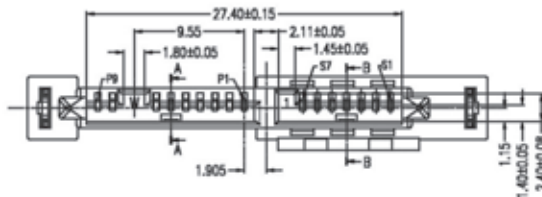
P/N S A T A 22 - X5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"22" 7P+15P
2. CONNECTOR CODE:
"X5" SATA FOR RISER CARD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"05" 05 MICROINCH GOLD
"10" 10 MICROINCH GOLD
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

MICRO SATA 7+9+7 PIN FEMALE+MALE CONNECTOR STRAIGHT DIP TYPE

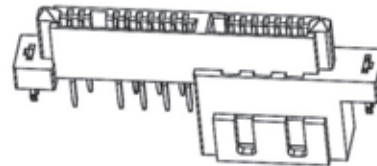
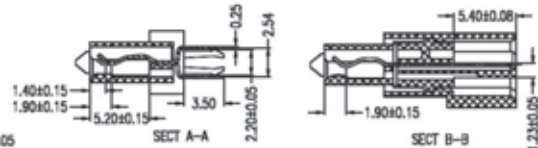


Recommended P.C.Board Layout
Top View (T=3.00mm)



Pin Number	Power Designation	Pin Number	Power Designation
P1	+3.3V	P6	+5V
P2	+3.3V	P7	Reserved
P3	GND	P8	Optional
P4	GND	P9	Optional
P5	+5V		

Pin Number	Signal Name	Description
S1	GND	
S2	A+	Differential Signal
S3	A-	
S4	GND	
S5	B-	Differential Signal
S6	B+	
S7	GND	



ORDERING INFORMATION:

P/N S A T A 23 - H1 D B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"23" 7P+9P+7P
2. CONNECTOR CODE:
"H1" 7P+9P FEMALE & 7P MALE
3. CONTACT TYPE:
"D" FEMALE+MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

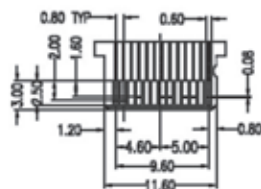
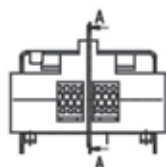
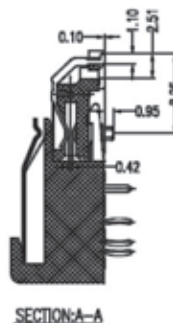
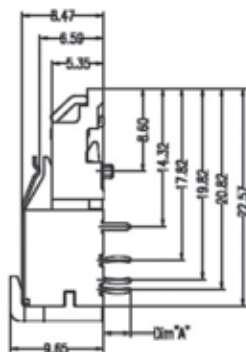
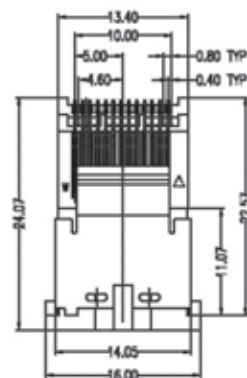
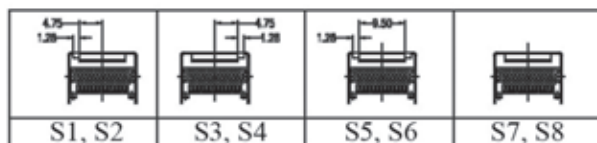
Housing: LCP, UL94V-0

Contact: Phosphor Bronze

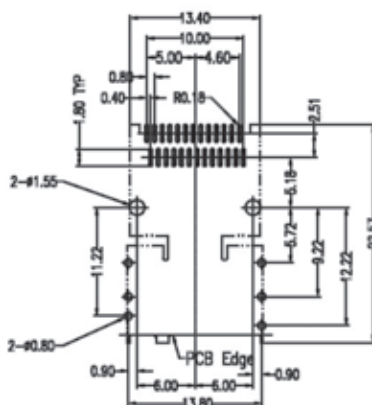
Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

*RoHS & REACH compliant.

MINI SAS 26 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Mating Interface Layout



Recommended P.C.Board Layout
Component Side (T=1.60mm)

SPECIFICATIONS

Current Rating: 0.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 300V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 2 6 - x x F B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"26" 26P

2. CONNECTOR CODE:

"S1" LEFT KEY & SHORT POST

"S2" LEFT KEY & LONG POST

"S3" RIGHT KEY & SHORT POST

"S4" RIGHT KEY & LONG POST

"S5" DOUBLE KEY & SHORT POST

"S6" DOUBLE KEY & LONG POST

"S7" NON-KEYED & SHORT POST

"S8" NON-KEYED & LONG POST

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

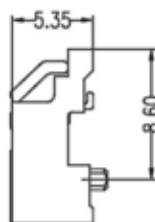
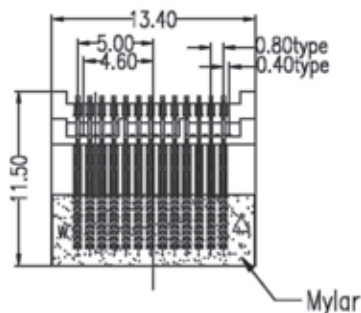
5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

MINI SAS 26 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE W/O SHELL



SPECIFICATIONS

Current Rating: 0.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 300V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to +85°C

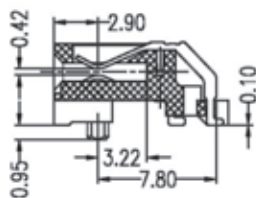
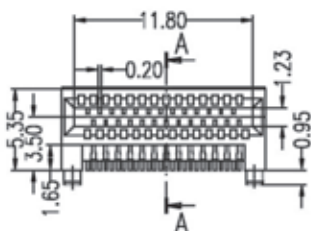
MATERIALS

Housing: LCP, UL94V-0

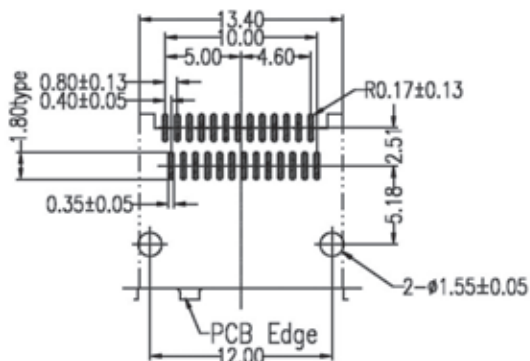
Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

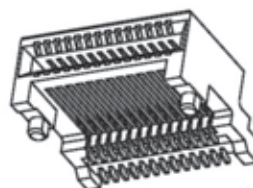
***RoHS & REACH compliant.**



SECTION:A-A



Recommended P.C.Board Layout
Top View (T=1.60mm)

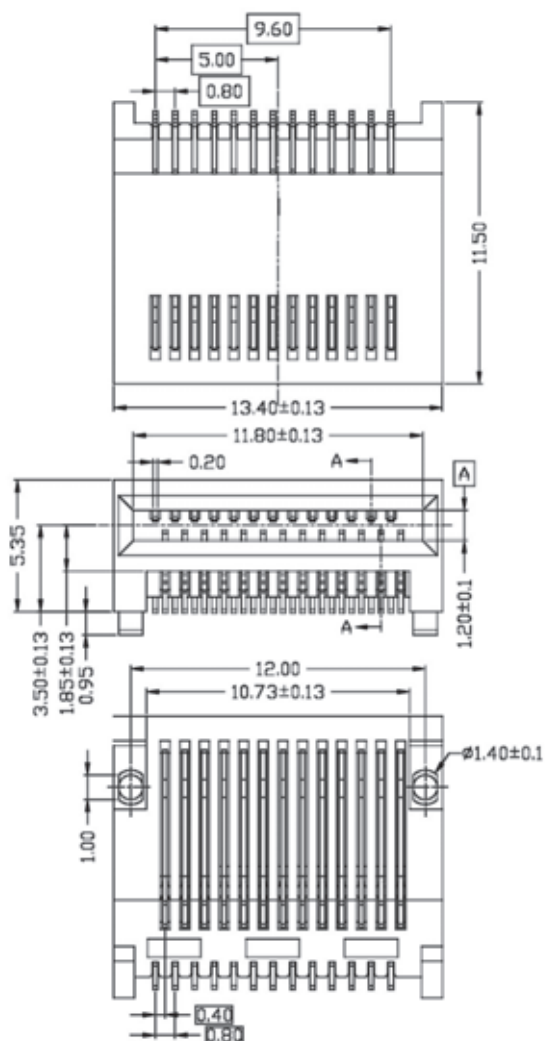


ORDERING INFORMATION:

P/N S A T A 26 - T5 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"26" 26P
2. CONNECTOR CODE:
"T5" ONE CONNECTOR TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

MINI SAS 26 PIN FEMALE CONNECTOR EXTERNAL SMT TYPE



SPECIFICATIONS

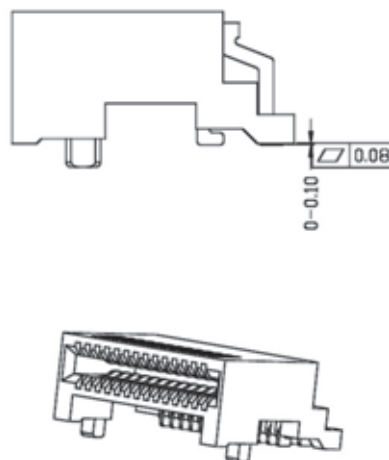
Current: 0.5A/Contact

Voltage: 30VAC/Contact

Low Level Contact Resistance: 80 mohm

Operating Temperature: -20°C to +55°C

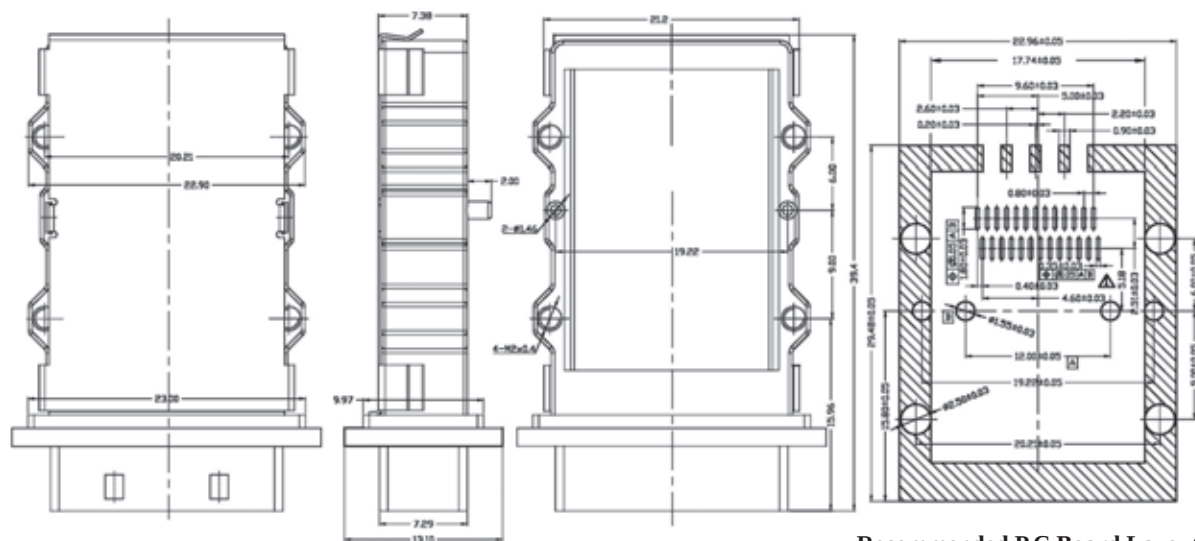
***RoHS & REACH compliant.**



ORDERING INFORMATION:

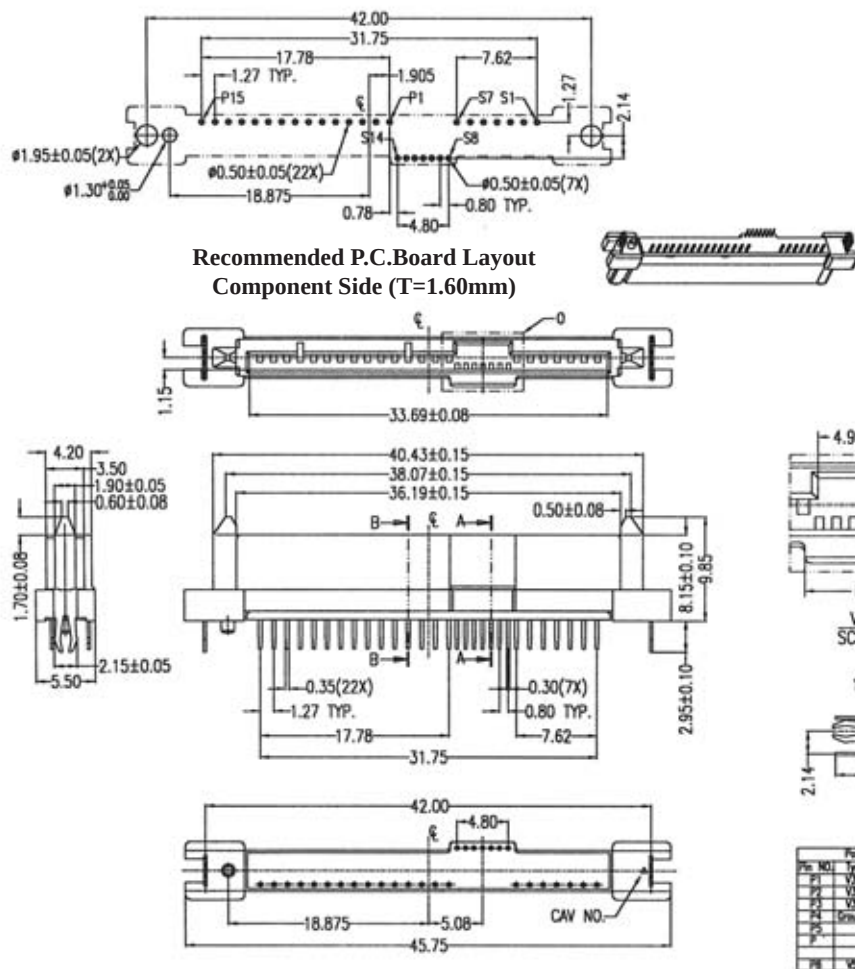
P/N S A T A 2 6 - T 6 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"26" 26P
2. CONNECTOR CODE:
"T6" USED WITH HOOD SATA26-T6HOOD
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD



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fax 02.2626.1009 www.elitaliaweb.it

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

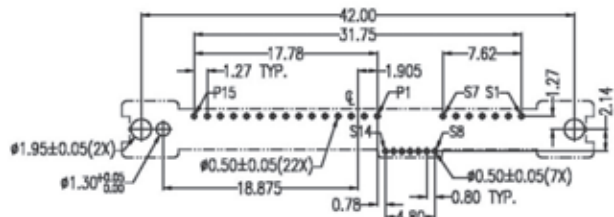
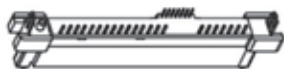
***RoHS & REACH compliant.**

ORDERING INFORMATION:

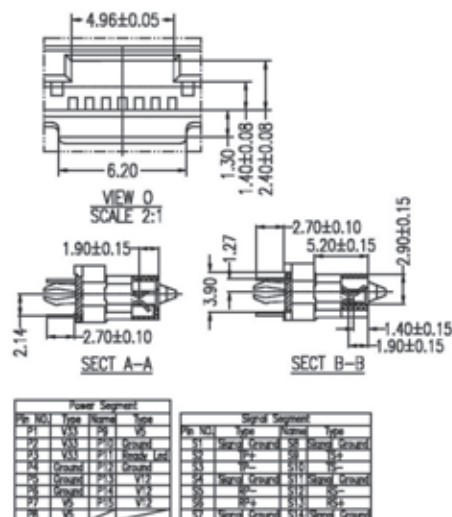
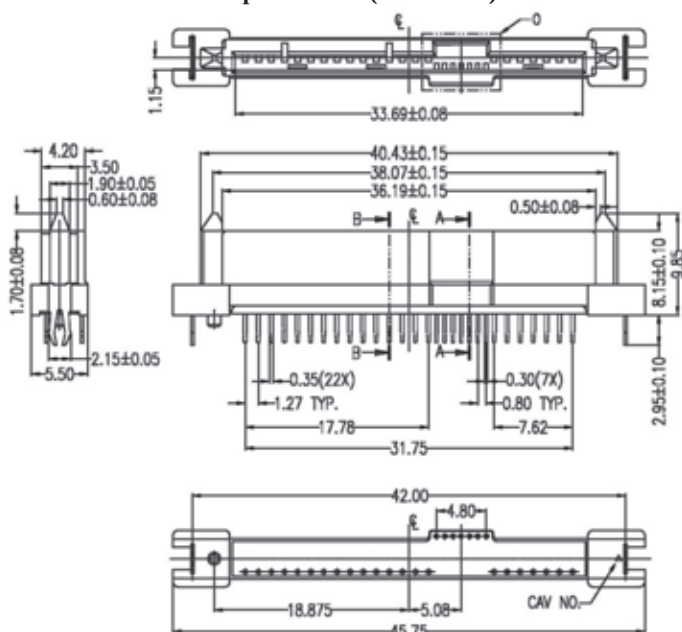
P/N S A T A 29 - H1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"H1" STRAIGHT DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

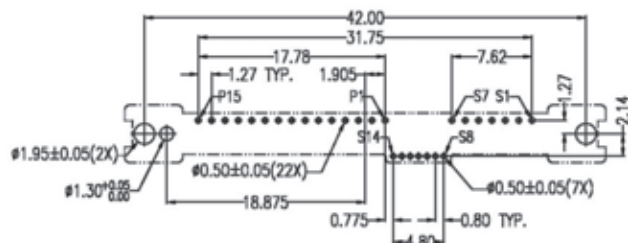
*RoHS & REACH compliant.

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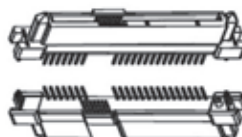
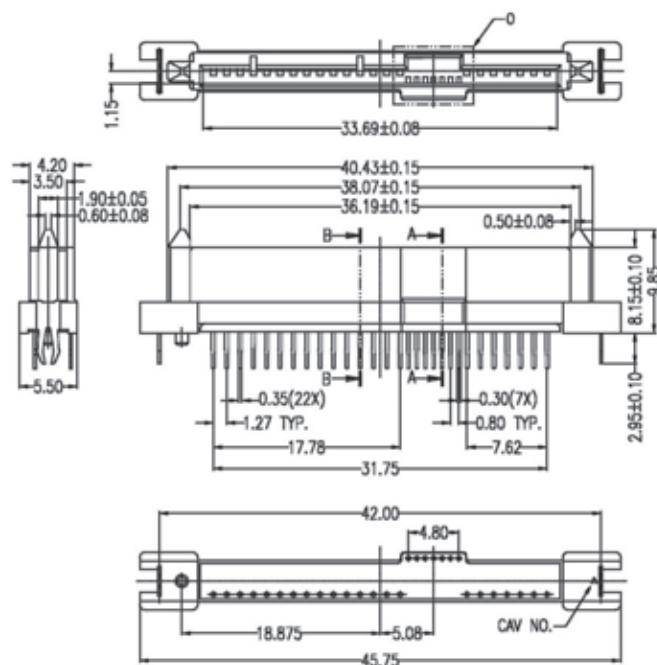
P/N S A T A 2 9 - H 2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"H2" STRAIGHT DIP TYPE WITH LOCK KEY
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

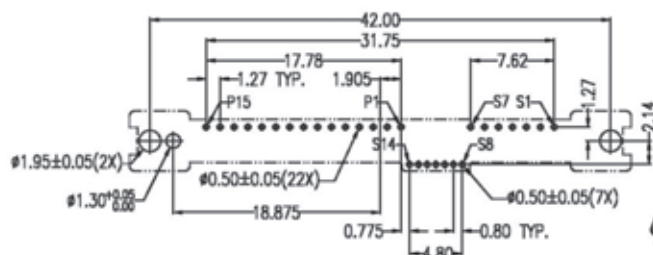
P/N S A T A 29 - H3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"H3" STRAIGHT DIP TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

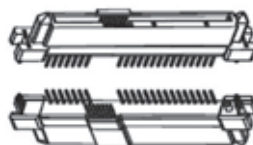
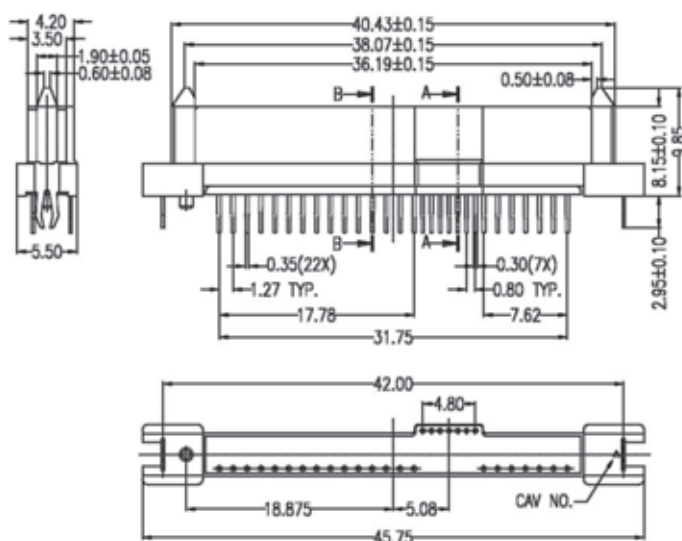
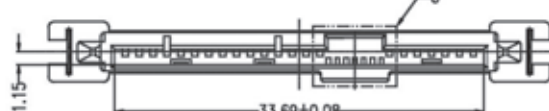
PIN NO.	TYPE	NAME	TYPE
1	VSS	GND	VS
2	VSS	GND	VS
3	VSS	GND	VS
4	Ground	P15	Ground
5	Ground	P15	Ground
6	Ground	P15	Ground
7	Ground	P15	Ground
8	VSS	GND	VS

PIN NO.	TYPE	NAME	TYPE
9	Signal	Signal	Signal
10	Signal	Signal	Signal
11	Signal	Signal	Signal
12	Signal	Signal	Signal
13	Signal	Signal	Signal
14	Signal	Signal	Signal
15	Signal	Signal	Signal
16	Signal	Signal	Signal
17	Signal	Signal	Signal

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

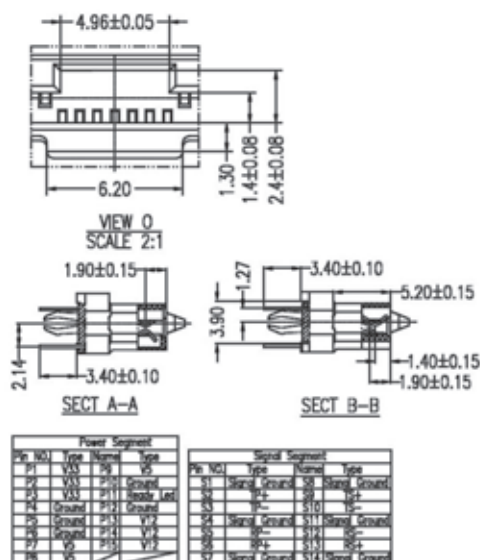
MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;
Tin (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.

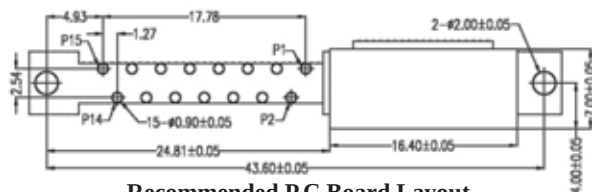


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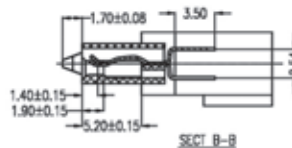
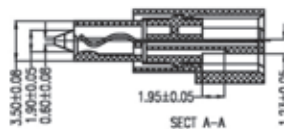
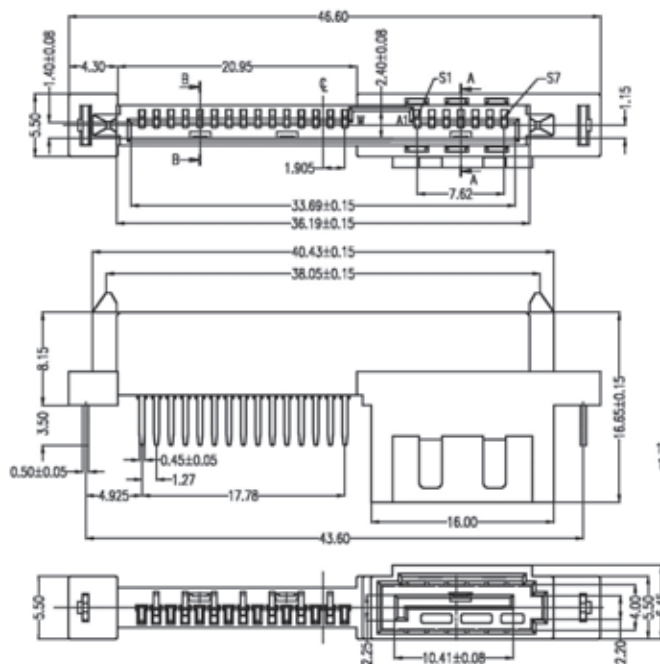
P/N S A T A 29 - H4 F B x x
1 2 3 4 5

- NO. OF CONTACTS:
"29" 7P+15P+7P
- CONNECTOR CODE:
"H4" STRAIGHT DIP TYPE WITH LOCK KEY
- CONTACT TYPE:
"F" FEMALE
- INSULATOR COLOR:
"B" BLACK
- CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE+MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Top View (T=3.00mm)



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	Q10	P1	V11	P9	V5
S2	Q10	P2	V11	P10	Q10
S3	A+	P3	V11	P11	Q10
S4	A-	P4	V11	P12	Q10
S5	Q10	P5	Q10	P13	Q10
S6	A+	P6	Q10	P14	V12
S7	Q10	P7	V5	P15	V12
		P8	V5		

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on
Contact Area; Tin Plating on
Solder Tail

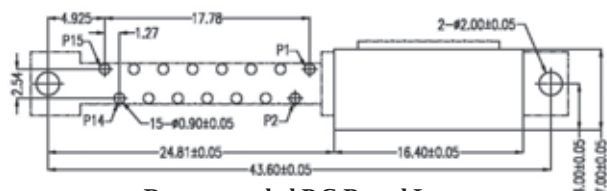
*RoHS & REACH compliant.

ORDERING INFORMATION:

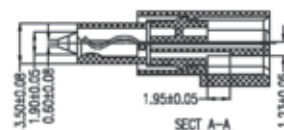
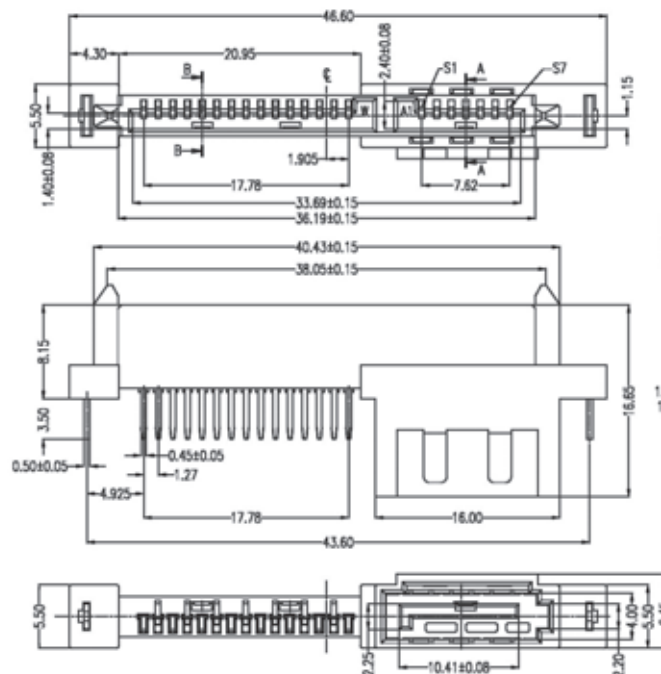
P/N S A T A 29 - H5 D B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"H5" STRAIGHT DIP TYPE W/O KEY
3. CONTACT TYPE:
"D" 7+15P FEMALE & 7P MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

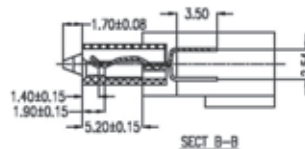
SAS 7+15+7 PIN FEMALE+MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout

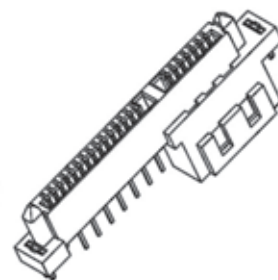


SECT. A-A



SECT 8-1

Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	Q10	P1	V33	P6	V6
S2	A+	P2	V33	P10	Q10
S3	A-	P3	V33	P11	DAS/DIS
S4	Q10	P4	Q10	P12	Q10
S5	+	P5	Q10	P13	V12
S6	++	P6	Q10	P14	V12
S7	Q10	P7	V6	P15	V12
		P8	V6		



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Gold Plating over Nickel on

Contact Area; Tin Plating on

Solder Tail

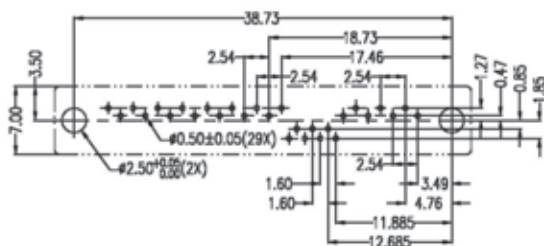
***RoHS & REACH compliant.**

ORDERING INFORMATION:

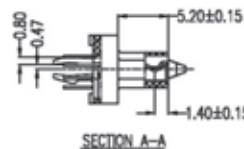
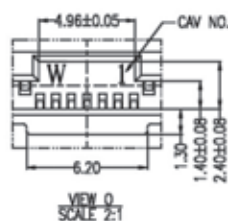
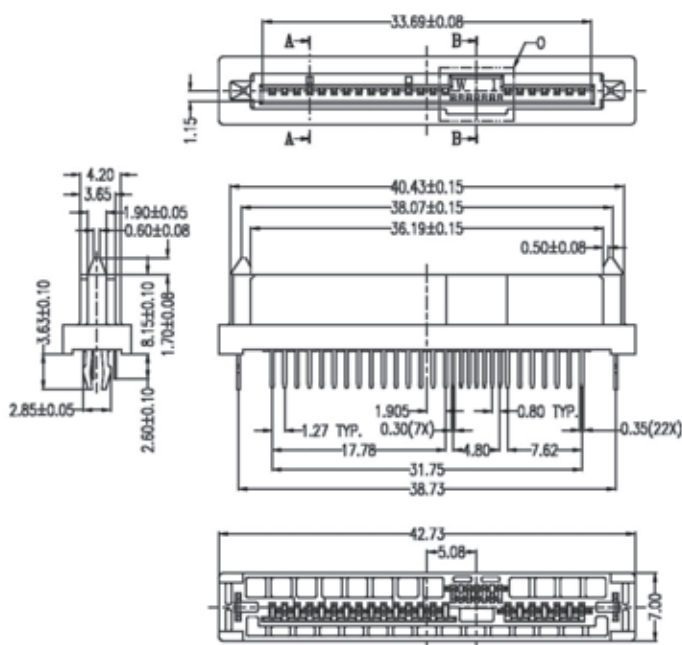
P/N S A T A 29 - H6 D B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"H6" STRAIGHT DIP TYPE WITH KEY
3. CONTACT TYPE:
"D" 7+15P FEMALE & 7P MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.57mm)



No.	Pin	Signal	Ground	Power
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

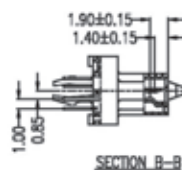
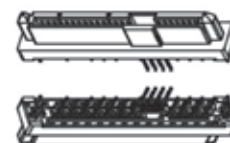
Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

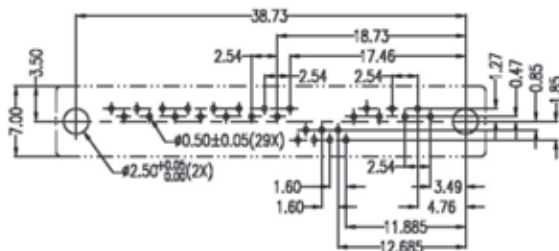


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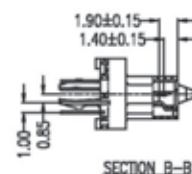
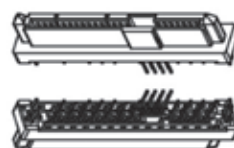
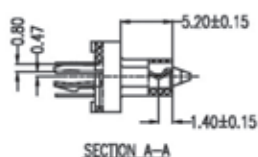
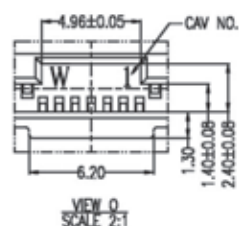
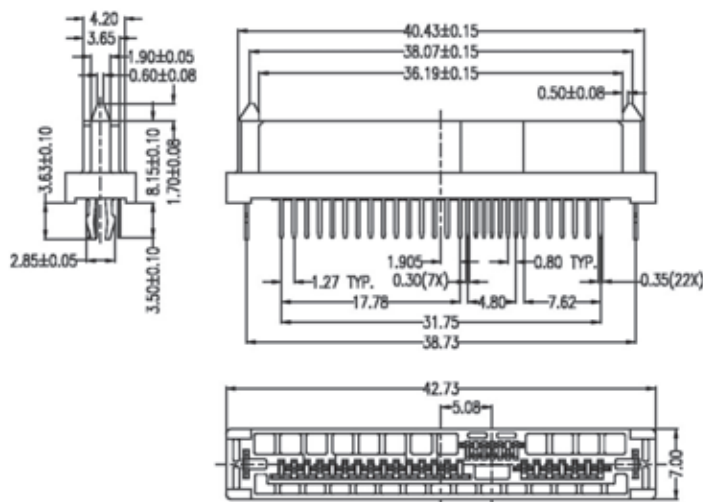
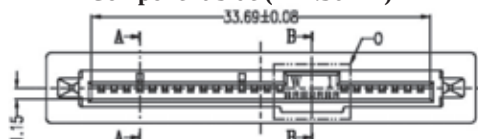
P/N S A T A 2 9 - H 7 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"H7" DOUBLE ROW DIP=2.6MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Component Side (T=2.36mm)



Pin No.	Type	Signal	Notes
1	VCC	Power	
2	VCC	Power	
3	VCC	Power	
4	VCC	Power	
5	VCC	Power	
6	VCC	Power	
7	VCC	Power	
8	VCC	Power	
9	VCC	Power	
10	VCC	Power	
11	VCC	Power	
12	VCC	Power	
13	VCC	Power	
14	VCC	Power	
15	VCC	Power	
16	VCC	Power	
17	VCC	Power	

Pin No.	Type	Signal	Notes
1	Signal	Signal	
2	Signal	Signal	
3	Signal	Signal	
4	Signal	Signal	
5	Signal	Signal	
6	Signal	Signal	
7	Signal	Signal	
8	Signal	Signal	
9	Signal	Signal	
10	Signal	Signal	
11	Signal	Signal	
12	Signal	Signal	
13	Signal	Signal	
14	Signal	Signal	
15	Signal	Signal	
16	Signal	Signal	
17	Signal	Signal	

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

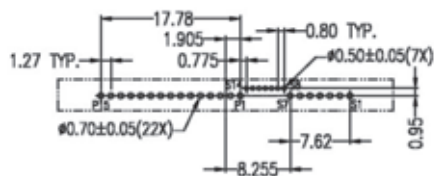
*RoHS & REACH compliant.

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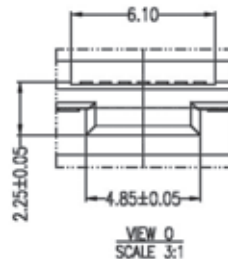
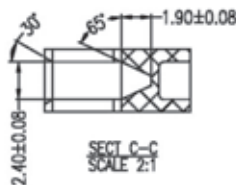
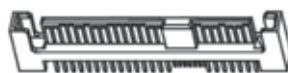
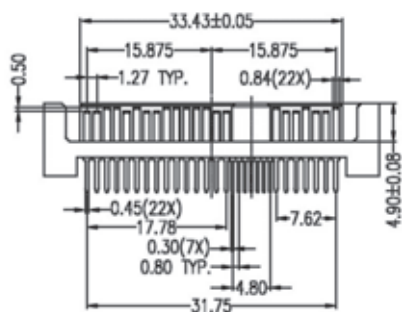
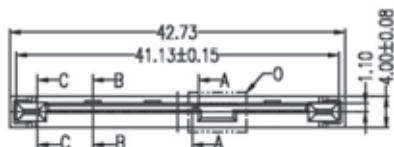
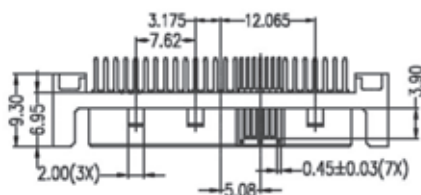
P/N S A T A 29 - H8 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"H8" DOUBLE ROW DIP=3.5MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

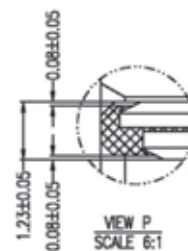
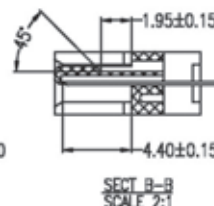
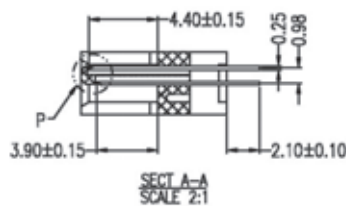
SAS 7+15+7 PIN MALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



Signal Segment			Power Segment		
Pin	Mat.	Type	Pin	Mat.	Type
1	22	22	1	22	22
2	22	22	2	22	22
3	22	22	3	22	22
4	22	22	4	22	22
5	22	22	5	22	22
6	22	22	6	22	22
7	22	22	7	22	22
8	22	22	8	22	22
9	22	22	9	22	22
10	22	22	10	22	22
11	22	22	11	22	22
12	22	22	12	22	22
13	22	22	13	22	22
14	22	22	14	22	22
15	22	22	15	22	22



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 29 - H9 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"29" 7P+15P+7P

2. CONNECTOR CODE:

"H9" STRAIGHT DIP TYPE

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

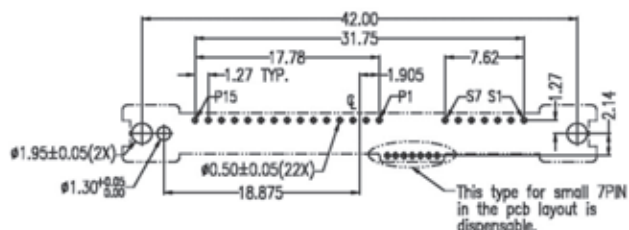
5. CONTACT FINISH:

"01" GOLD FLASH

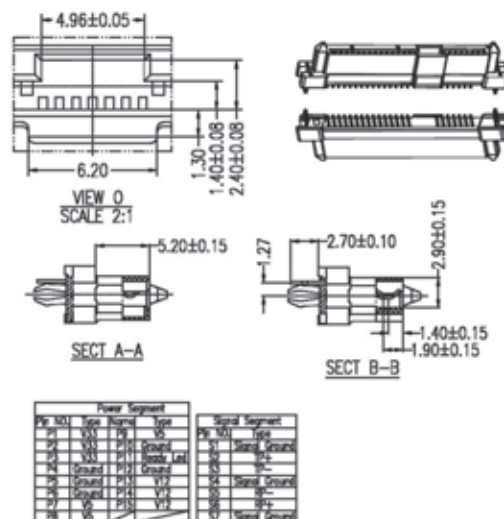
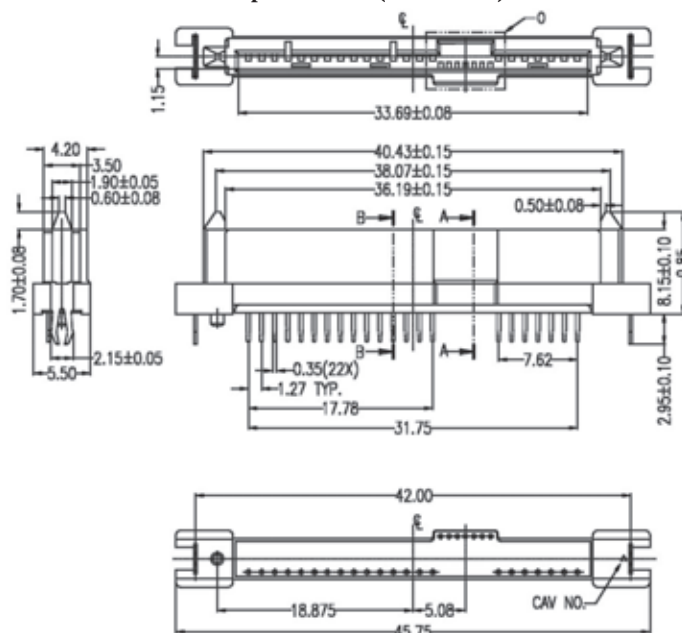
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

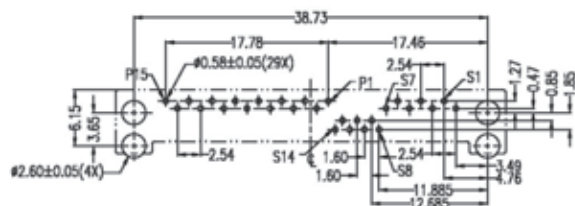
***RoHS & REACH compliant.**

ORDERING INFORMATION:

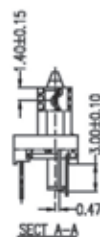
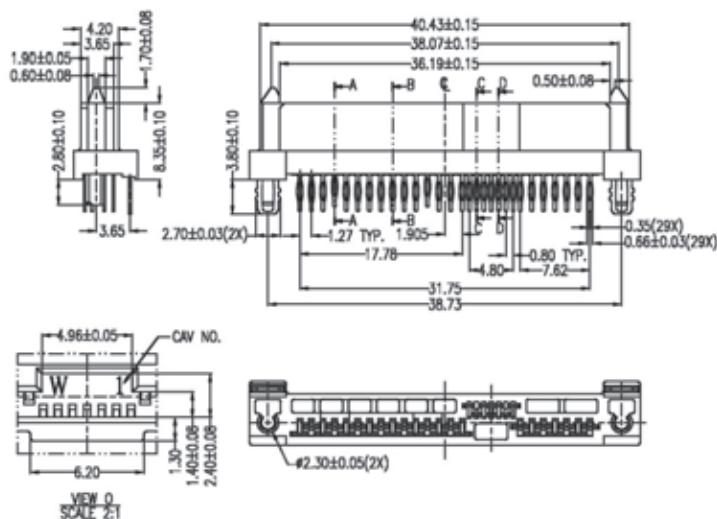
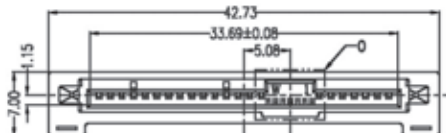
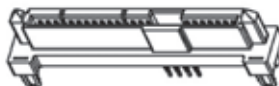
P/N S A T A 29 - J1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"J1" STRAIGHT TYPE W/O SMALL 7 PINS
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

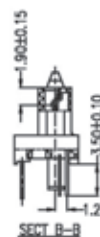
SAS 7+15+7 PIN FEMALE CONNECTOR PRESS FIT TYPE



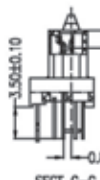
Recommended P.C.Board Layout Component Side (T=1.60~3.00mm)



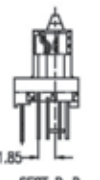
SECT. A-1



SECT. B—



SECT C-



SECT D—

Power Supply				
No.	Wt	Type	Name	Type
P1		V01	P01	V01
P2		V02	P10	Ground
P3		V03	P11	Signal, L
P4		Ground	P12	Ground
P5		Ground	P13	V14
P6		Ground	P14	V12
P7		V04	P15	V12
P8		V05		

Signal Segment					
No. AC	Type	Signal	Time	Type	Signal
1	Start	Ground	0.0	Start	Ground
2		0.4	0.0		0.4
3		0.8	0.0		0.8
4	Start	Ground	0.1	Start	Ground
5		0.5	0.1		0.5
6		0.9	0.1		0.9
7	Start	Ground	0.2	Start	Ground

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: Nylon 9T, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

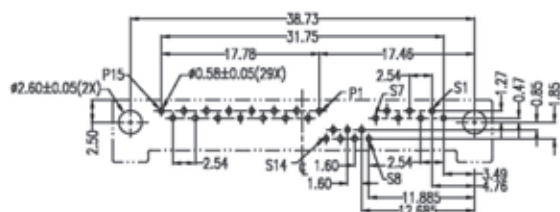
***RoHS & REACH compliant.**

ORDERING INFORMATION:

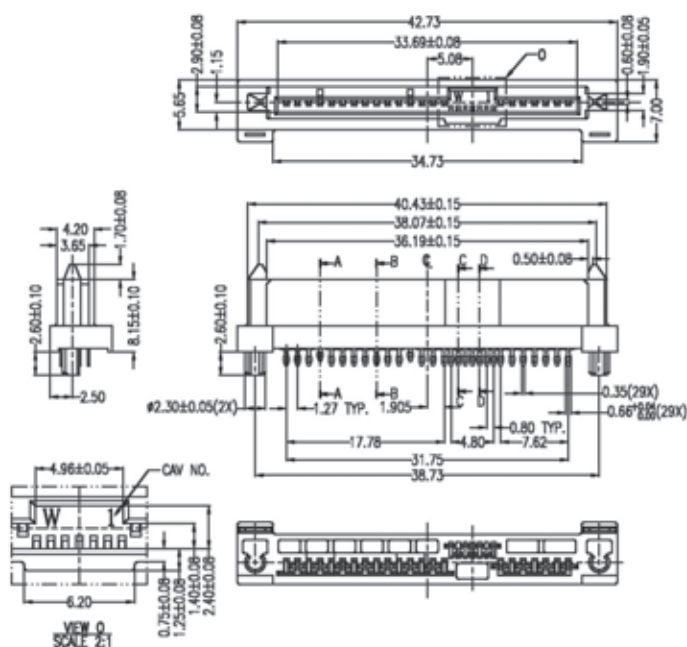
P/N SATA 29 - P1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"P1" DOUBLE ROW PRESS FIT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR PRESS FIT TYPE



Recommended P.C.Board Layout Component Side (T=1.60mm)



Signal Segment				
% NR	Type	Name	Type	
51	Signal	Ground	50	Signal
52	174	50	174	
53	17-	510	17-	
54	Signal	Ground	51	Signal
55	80-	512	80-	
56	804	513	804	
57	Signal	Ground	514	Signal

Power Signal				
No.	Ref.	Type	Name	Type
P1	V11	SW	P10	V5
P2	V12		P10	Ground
P3	V13		P11	Steady Load
P4	Ground		P12	Ground
P5	Ground		P13	V12
P6	Ground		P14	V13
P7	V5		P15	V12
P8	V5			

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: Nylon 9T, UL94V-0

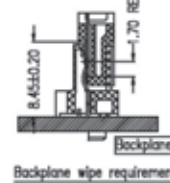
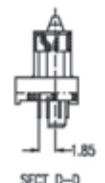
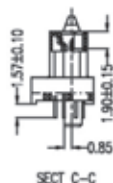
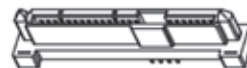
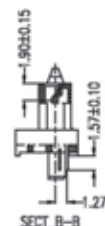
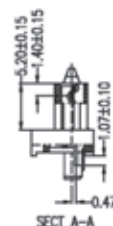
Contact: Phosphor Bronze

Plating: Au Plating on Contact Area:

Sn (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**

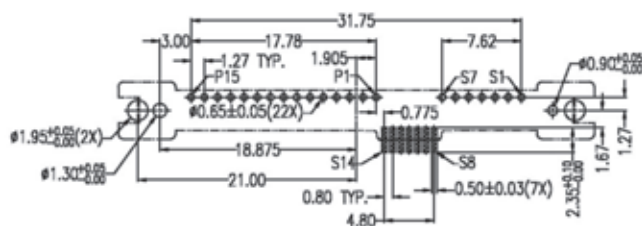


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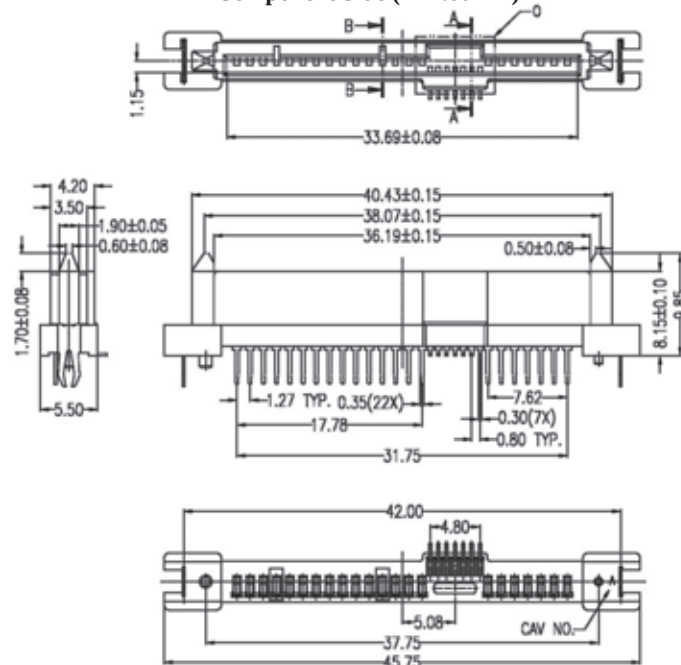
P/N S A T A 2 9 - P 2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"P2" DOUBLE ROW PRESS FIT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP+SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



No.	NO.	Type	Pin	Signal	Segment
1	1	VS	P1	VS	VS
2	2	VS	P2	VS	VS
3	3	VS	P3	VS	VS
4	4	VS	P4	VS	VS
5	5	VS	P5	VS	VS
6	6	VS	P6	VS	VS
7	7	VS	P7	VS	VS
8	8	VS	P8	VS	VS
9	9	VS	P9	VS	VS
10	10	VS	P10	VS	VS
11	11	VS	P11	VS	VS
12	12	VS	P12	VS	VS
13	13	VS	P13	VS	VS
14	14	VS	P14	VS	VS
15	15	VS	P15	VS	VS
16	16	VS	P16	VS	VS
17	17	VS	P17	VS	VS
18	18	VS	P18	VS	VS

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

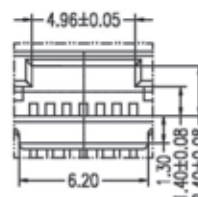
Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

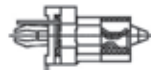
overall

*RoHS & REACH compliant.

No.	NO.	Type	Pin	Signal	Segment
1	1	VS	P1	VS	VS
2	2	VS	P2	VS	VS
3	3	VS	P3	VS	VS
4	4	VS	P4	VS	VS
5	5	VS	P5	VS	VS
6	6	VS	P6	VS	VS
7	7	VS	P7	VS	VS
8	8	VS	P8	VS	VS
9	9	VS	P9	VS	VS
10	10	VS	P10	VS	VS
11	11	VS	P11	VS	VS
12	12	VS	P12	VS	VS
13	13	VS	P13	VS	VS
14	14	VS	P14	VS	VS
15	15	VS	P15	VS	VS
16	16	VS	P16	VS	VS
17	17	VS	P17	VS	VS
18	18	VS	P18	VS	VS



VIEW O
SCALE 2:1



SECT B-B



SECT A-A



ORDERING INFORMATION:

P/N S A T A 2 9 - Q 1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"29" 7P+15P+7P

2. CONNECTOR CODE:

"Q1" DIP+SMT TYPE

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

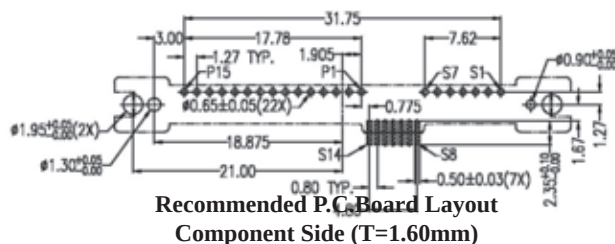
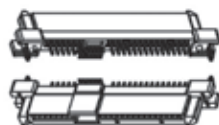
5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP+SMT TYPE



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

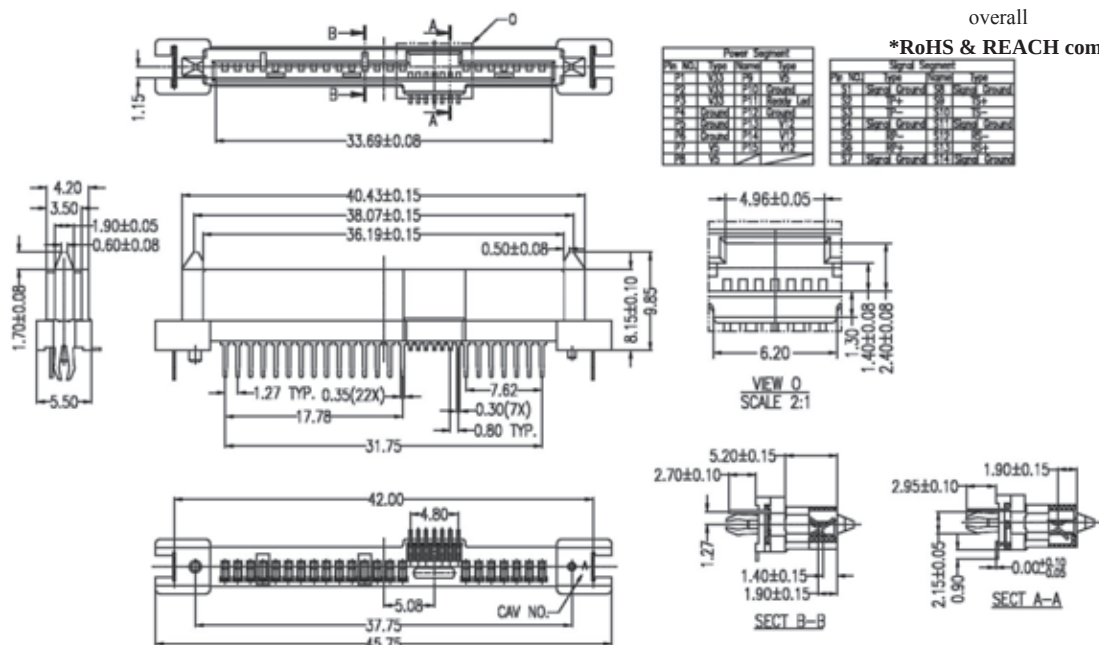
Plating: Au Plating on Contact Area:

Tin (100u" Min.) Plating on Solder

Tail: Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

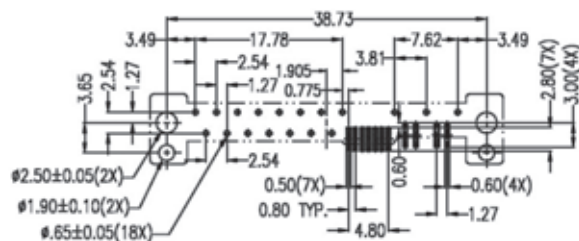


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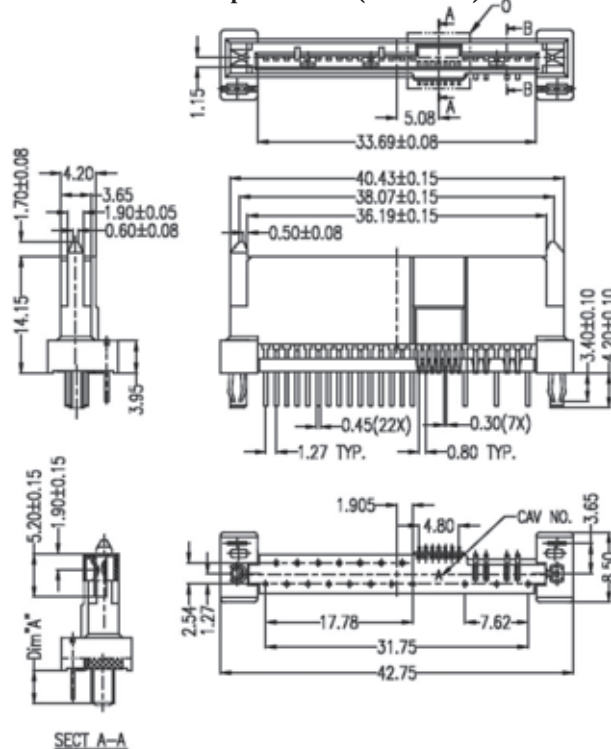
P/N S A T A 2 9 - Q 2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"Q2" DIP+SMT TYPE WITH LOCK KEY
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT DIP+SMT TYPE



**Recommended P.C.Board Layout
Component Side (T=DIM. B)**



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area:

Tin (100u" Min.) Plating on Solder

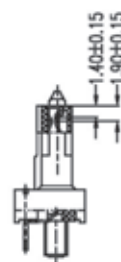
Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**

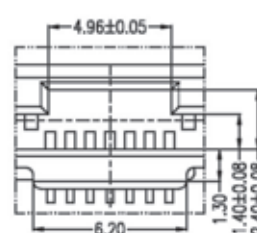


Power Segment				
Pin No.	Type	Normal	Type	
P1	VCC	P8	V5	
P2	VCC	P10	Ground	
P3	VCC	P11	Resets	LA
P4	Ground	P12	Ground	
P5	Ground	P13	V12	
P6	Ground	P14	V12	
P7	V5	P15	V12	
P8	V5			

Signal Segment					
Pt. No.	Type	Normal	Type		
51	Start Ground	58	Start Ground		
52	"	59	"		
53	"	60	"		
54	Start Ground	61	Start Ground		
55	"	62	"		
56	"	63	"		
57	Start Ground	64	Start Ground		



SECT B-B



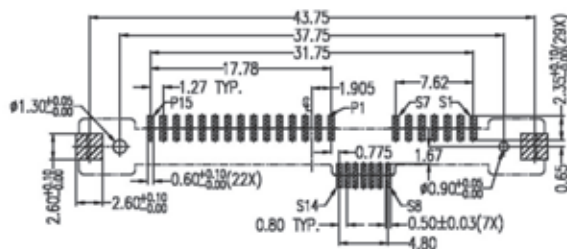
VIEW 0
SCALE 3:1

ORDERING INFORMATION:

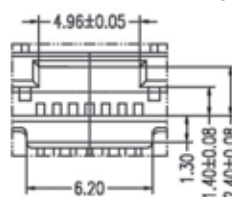
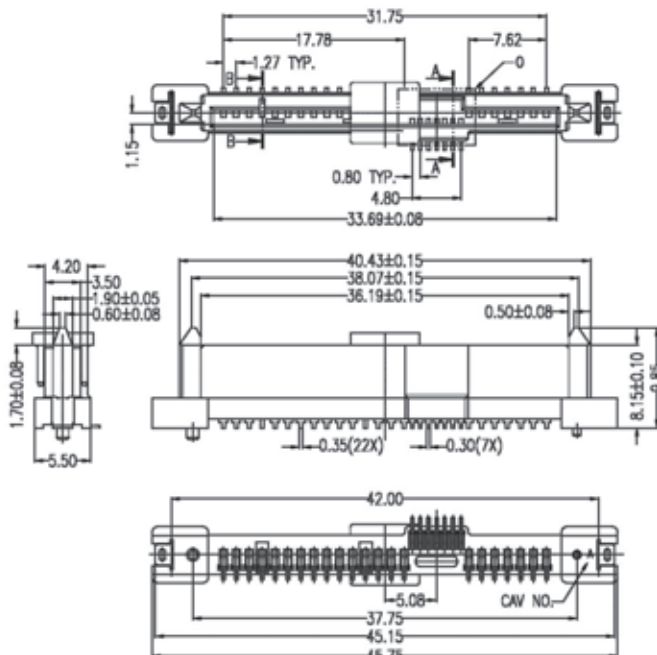
P/N S A T A 2 9 - x x F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"Q3" DIM. A/B=4.0/3.0MM
"Q4" DIM. A/B=3.0/2.0MM
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

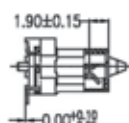
SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



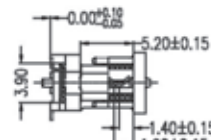
Recommended P.C. Board Layout
Component Side (T=1.60mm)



VIEW 0
SCALE 2:1



SECT A-A



SECT B-B

Pin No.	Type	Signal	Pin No.	Type	Signal
1	VDD	P1	16	VS	P15
2	VDD	P2	17	VS	P16
3	VDD	P3	18	VS	P17
4	Ground	P4	19	Ground	P18
5	Ground	P5	20	Ground	P19
6	Ground	P6	21	Ground	P20
7	Ground	P7	22	Ground	P21
8	Ground	P8	23	Ground	P22
9	Ground	P9	24	Ground	P23
10	Ground	P10	25	Ground	P24
11	Ground	P11	26	Ground	P25
12	Ground	P12	27	Ground	P26
13	Ground	P13	28	Ground	P27
14	Ground	P14	29	Ground	P28

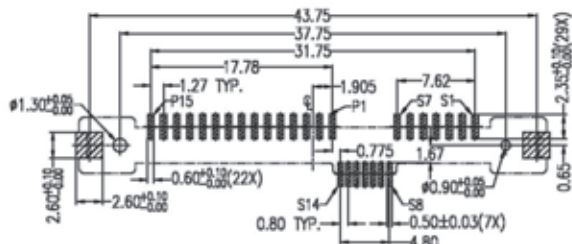
Pin No.	Type	Signal	Pin No.	Type	Signal
30	Ground	P30	45	Ground	P45
31	Ground	P31	46	Ground	P46
32	Ground	P32	47	Ground	P47
33	Ground	P33	48	Ground	P48
34	Ground	P34	49	Ground	P49
35	Ground	P35	50	Ground	P50
36	Ground	P36	51	Ground	P51
37	Ground	P37	52	Ground	P52
38	Ground	P38	53	Ground	P53
39	Ground	P39	54	Ground	P54
40	Ground	P40	55	Ground	P55
41	Ground	P41	56	Ground	P56
42	Ground	P42	57	Ground	P57
43	Ground	P43	58	Ground	P58
44	Ground	P44	59	Ground	P59
45	Ground	P45	60	Ground	P60

ORDERING INFORMATION:

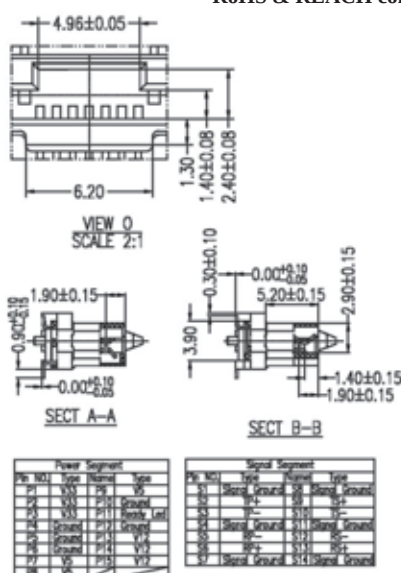
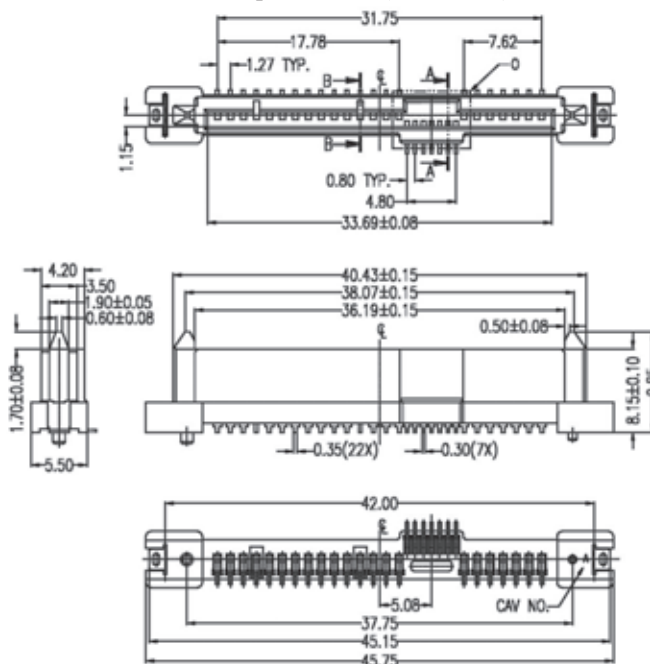
P/N S A T A 29 - S1 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"S1" SMT TYPE WITH LOCK KEY
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C.Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

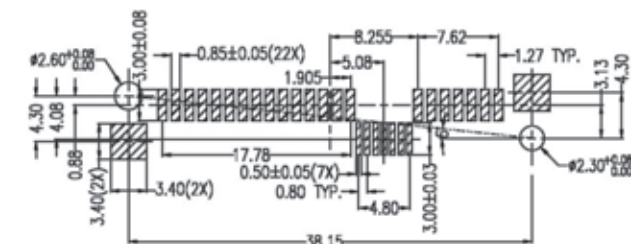
***RoHS & REACH compliant.**

ORDERING INFORMATION:

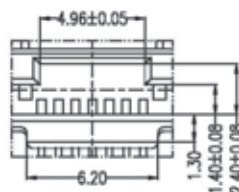
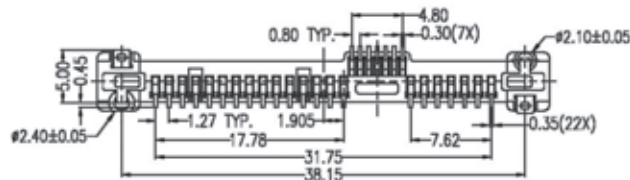
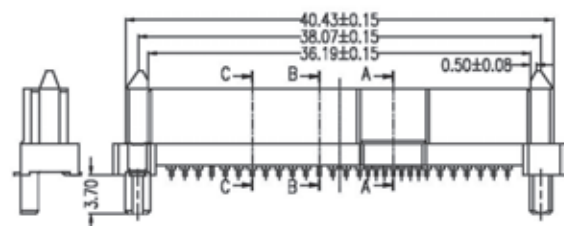
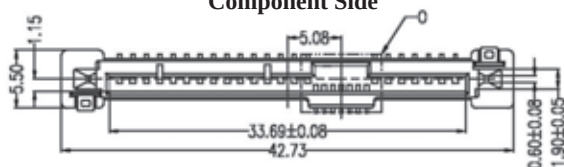
P/N S A T A 29 - S2 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"S2" STRAIGHT SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

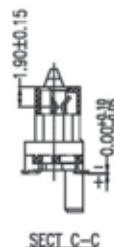
SAS 7+15+7 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



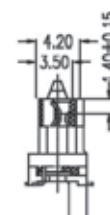
Recommended P.C. Board Layout
Component Side



VIEW O
SCALE 2:1



SECT C-C



SECT B-B



SECT A-A

Power Segment				
Pin No.	Signal	Pin No.	Signal	Pin No.
1	VCC	26	GND	
2	VCC	27	GND	
3	VCC	28	GND	
4	GND	29	GND	
5	GND	30	GND	
6	GND	31	GND	
7	GND	32	GND	
8	GND	33	GND	
9	GND	34	GND	
10	GND	35	GND	
11	GND	36	GND	
12	GND	37	GND	
13	GND	38	GND	
14	GND	39	GND	
15	GND	40	GND	
16	GND	41	GND	
17	GND	42	GND	
18	GND	43	GND	
19	GND	44	GND	
20	GND	45	GND	

Signal Segment				
Pin No.	Signal	Pin No.	Signal	Pin No.
1	Signal	26	Signal	
2	Signal	27	Signal	
3	Signal	28	Signal	
4	Signal	29	Signal	
5	Signal	30	Signal	
6	Signal	31	Signal	
7	Signal	32	Signal	
8	Signal	33	Signal	
9	Signal	34	Signal	
10	Signal	35	Signal	
11	Signal	36	Signal	
12	Signal	37	Signal	
13	Signal	38	Signal	
14	Signal	39	Signal	
15	Signal	40	Signal	
16	Signal	41	Signal	
17	Signal	42	Signal	
18	Signal	43	Signal	
19	Signal	44	Signal	
20	Signal	45	Signal	

ORDERING INFORMATION:

P/N S A T A 29 - S3 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"S3" STRAIGHT SMT TYPE
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

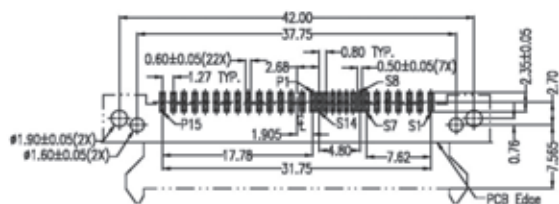
Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

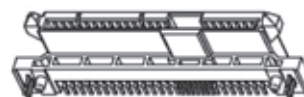
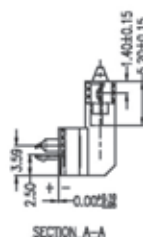
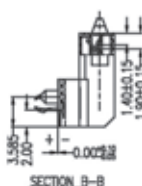
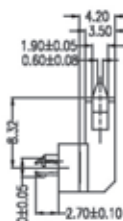
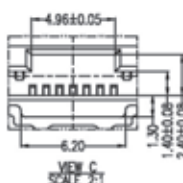
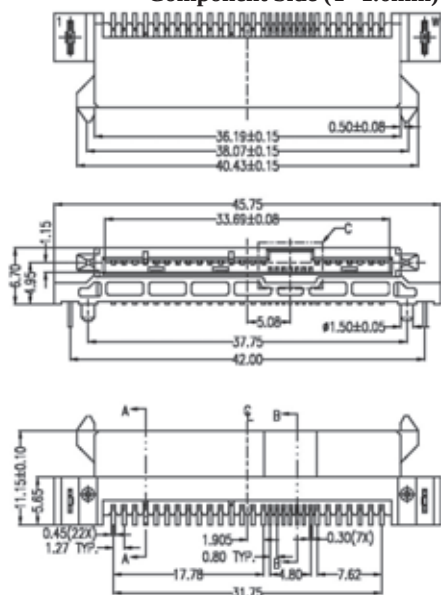
overall

*RoHS & REACH compliant.

SAS 7+15+7 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.6mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 29 - S4 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"29" 7P+15P+7P

2. CONNECTOR CODE:

"S4" R/A SMT TYPE

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

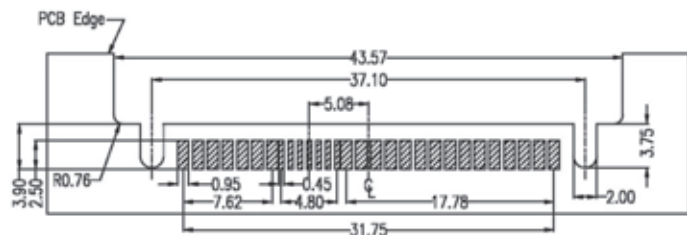
5. CONTACT FINISH:

"01" GOLD FLASH

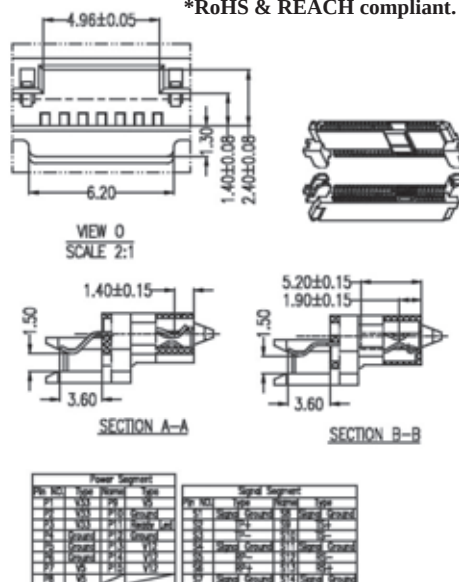
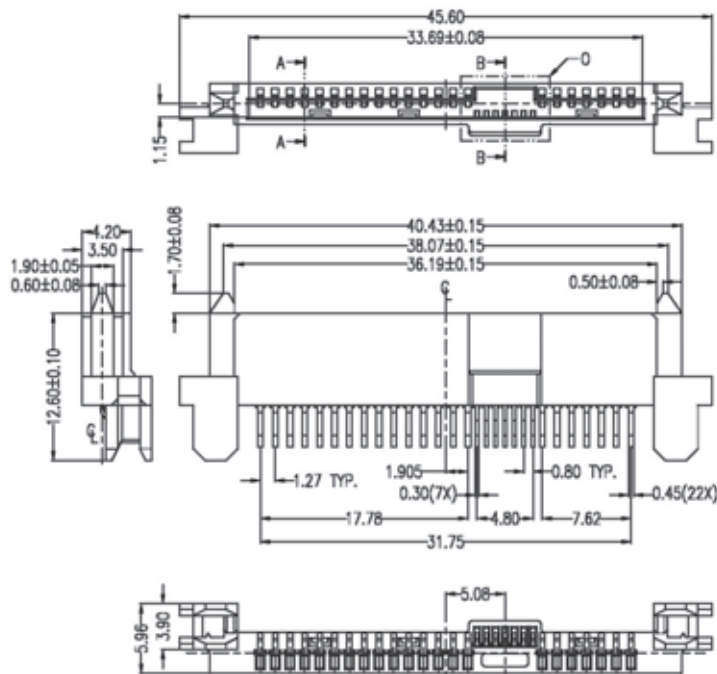
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRADDLE TYPE



Recommended P.C. Board Layout
Component Side (T=1.6mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 29 - S5 F B x x
 1 2 3 4 5

1. NO. OF CONTACTS:

"29" 7P+15P+7P

2. CONNECTOR CODE:

"S5" STRADDLE TYPE

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

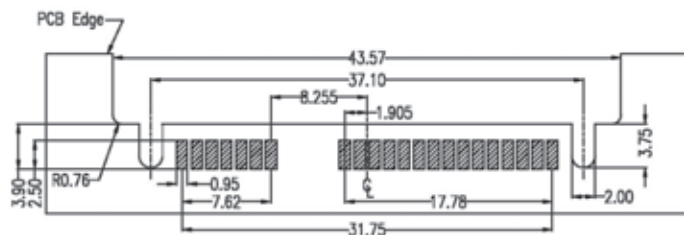
5. CONTACT FINISH:

"01" GOLD FLASH

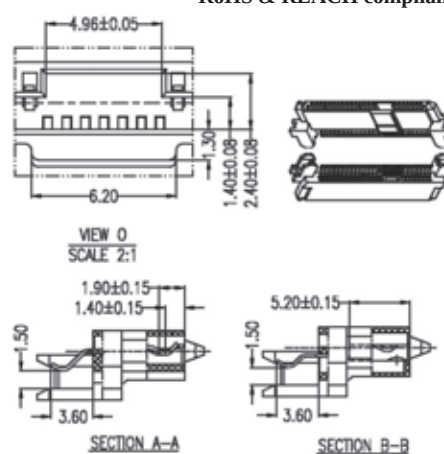
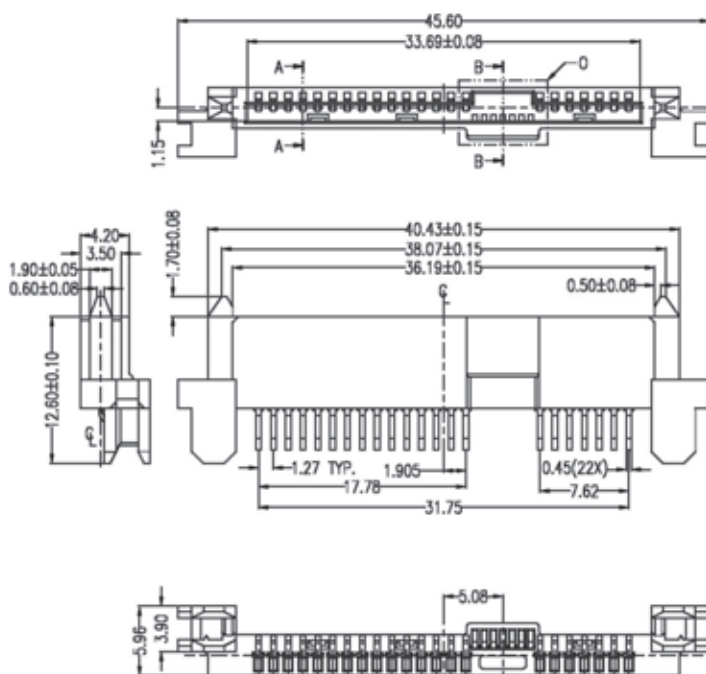
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN FEMALE CONNECTOR STRADDLE TYPE



**Recommended P.C. Board Layout
Component Side (T=1.60mm)**



Power Segment					Signal Segment				
Pt. No.	Pin	Signal	Pin	Type	Pt. No.	Pin	Signal	Pin	Type
1	1	Ground	1	Ground	1	1	Signal	1	Signal
2	2	Signal	2	Signal	2	2	Signal	2	Signal
3	3	Signal	3	Signal	3	3	Signal	3	Signal
4	4	Signal	4	Signal	4	4	Signal	4	Signal
5	5	Signal	5	Signal	5	5	Signal	5	Signal
6	6	Signal	6	Signal	6	6	Signal	6	Signal
7	7	Signal	7	Signal	7	7	Signal	7	Signal
8	8	Signal	8	Signal	8	8	Signal	8	Signal
9	9	Signal	9	Signal	9	9	Signal	9	Signal
10	10	Signal	10	Signal	10	10	Signal	10	Signal
11	11	Signal	11	Signal	11	11	Signal	11	Signal
12	12	Signal	12	Signal	12	12	Signal	12	Signal
13	13	Signal	13	Signal	13	13	Signal	13	Signal
14	14	Signal	14	Signal	14	14	Signal	14	Signal
15	15	Signal	15	Signal	15	15	Signal	15	Signal
16	16	Signal	16	Signal	16	16	Signal	16	Signal
17	17	Signal	17	Signal	17	17	Signal	17	Signal
18	18	Signal	18	Signal	18	18	Signal	18	Signal
19	19	Signal	19	Signal	19	19	Signal	19	Signal
20	20	Signal	20	Signal	20	20	Signal	20	Signal
21	21	Signal	21	Signal	21	21	Signal	21	Signal
22	22	Signal	22	Signal	22	22	Signal	22	Signal
23	23	Signal	23	Signal	23	23	Signal	23	Signal
24	24	Signal	24	Signal	24	24	Signal	24	Signal
25	25	Signal	25	Signal	25	25	Signal	25	Signal
26	26	Signal	26	Signal	26	26	Signal	26	Signal
27	27	Signal	27	Signal	27	27	Signal	27	Signal
28	28	Signal	28	Signal	28	28	Signal	28	Signal
29	29	Signal	29	Signal	29	29	Signal	29	Signal
30	30	Signal	30	Signal	30	30	Signal	30	Signal

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

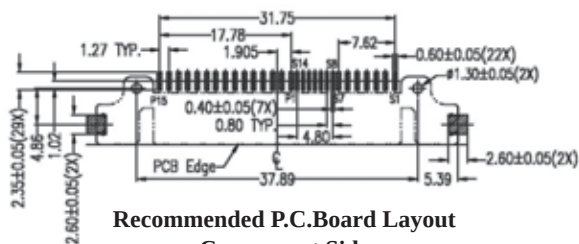
***RoHS & REACH compliant.**

ORDERING INFORMATION:

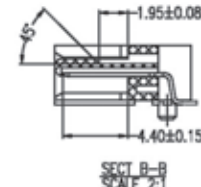
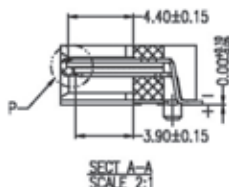
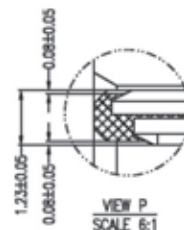
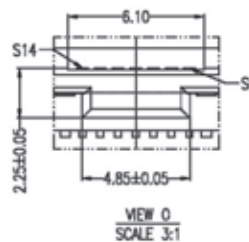
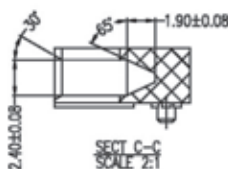
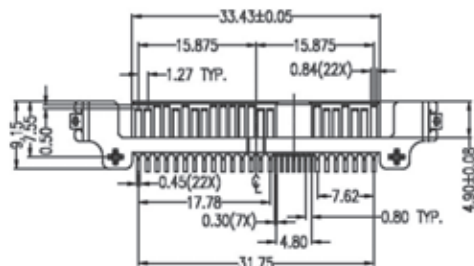
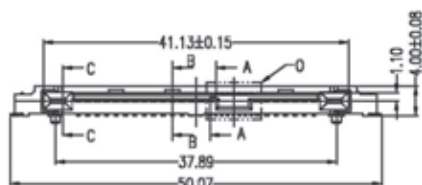
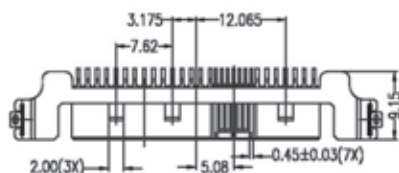
P/N S A T A 29 - S6 F B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"S6" STRADDLE TYPE W/O SMALL 7 PINS
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN MALE CONNECTOR SMT TYPE



Recommended P.C.Board Layout
Component Side



Pin	Signal	Signal	Power	Signal
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 2 9 - S 7 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"29" 7P+15P+7P

2. CONNECTOR CODE:

"S7" SMT TYPE

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

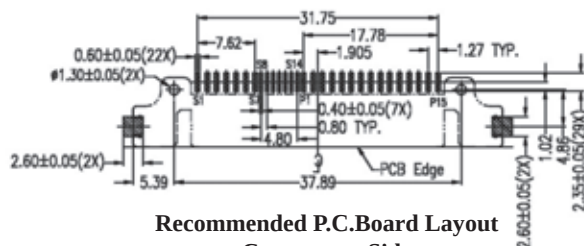
5. CONTACT FINISH:

"01" GOLD FLASH

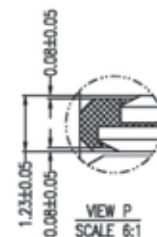
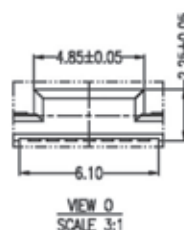
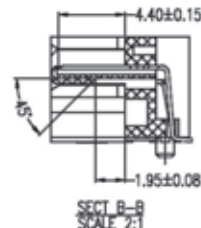
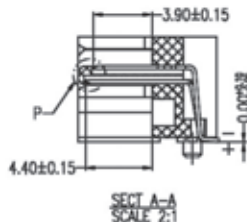
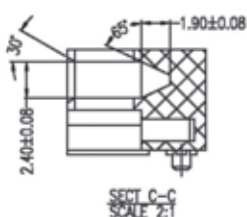
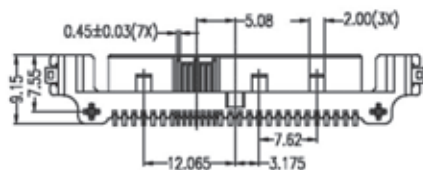
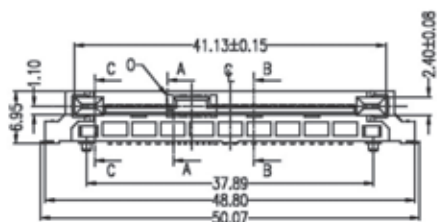
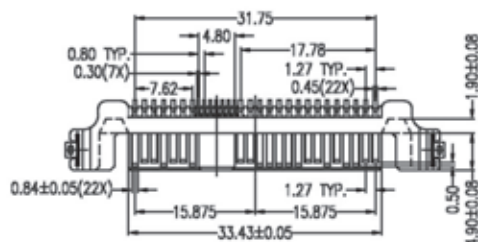
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C.Board Layout
Component Side



Signal Segment		Power Segment	
Pin	Net	Pin	Net
1	1	15	15
2	2	16	16
3	3	17	17
4	4	18	18
5	5	19	19
6	6	20	20
7	7	21	21
8	8	22	22
9	9	23	23
10	10	24	24
11	11	25	25
12	12	26	26
13	13	27	27
14	14	28	28
15	15	29	29

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

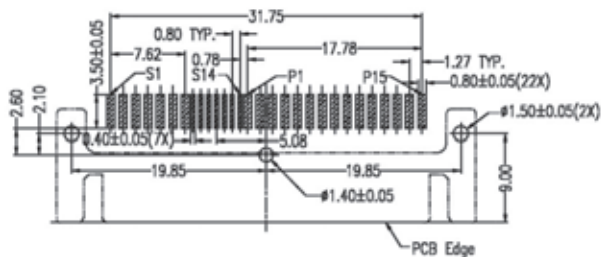
*RoHS & REACH compliant.

ORDERING INFORMATION:

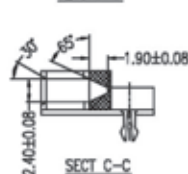
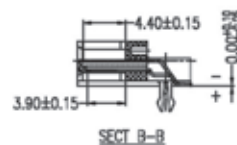
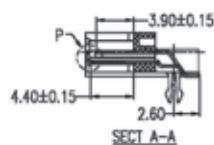
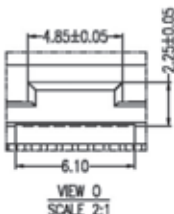
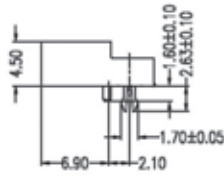
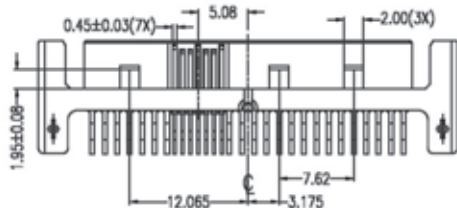
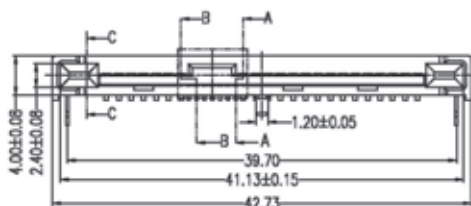
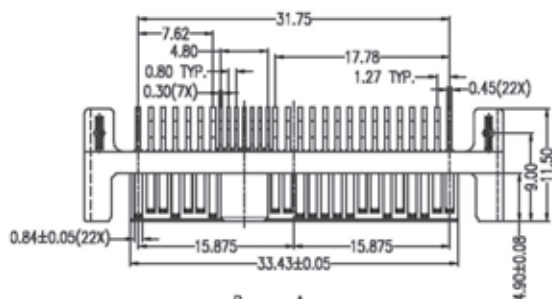
P/N S A T A 2 9 - S 8 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"S8" REVERSE SMT TYPE
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

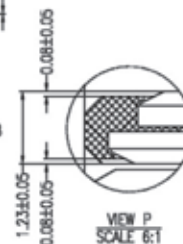
SAS 7+15+7 PIN MALE CONNECTOR REVERSE MOUNT SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



Signal Contact	Power Contact
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;
Tin (100u" Min.) Plating on Solder
Tail; Ni (40u" Min.) Underplating
overall

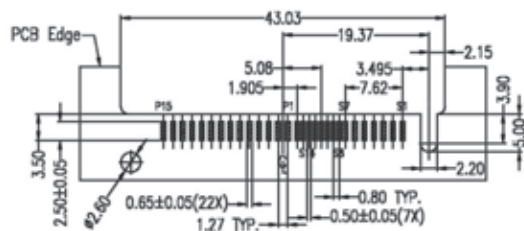
*RoHS & REACH compliant.

ORDERING INFORMATION:

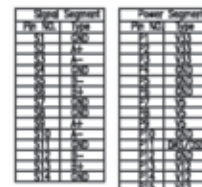
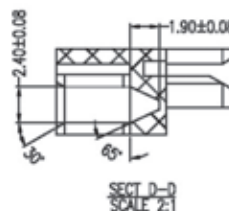
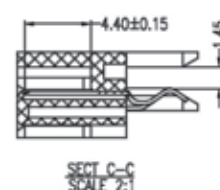
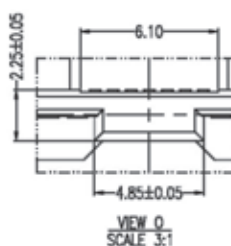
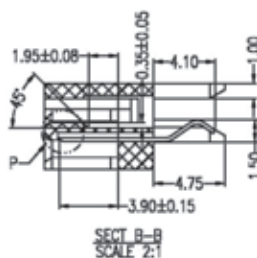
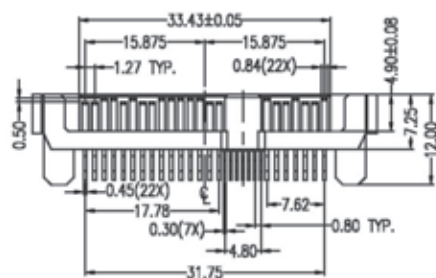
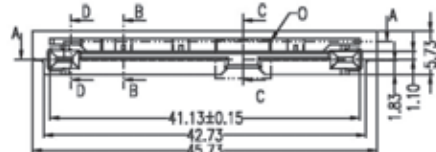
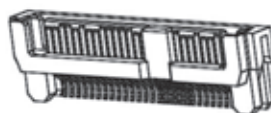
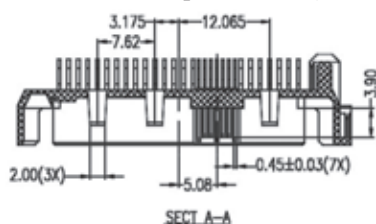
P/N S A T A 29 - S9 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"S9" REVERSE SMT TYPE WITH METAL POSTS
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN MALE CONNECTOR STRADDLE TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

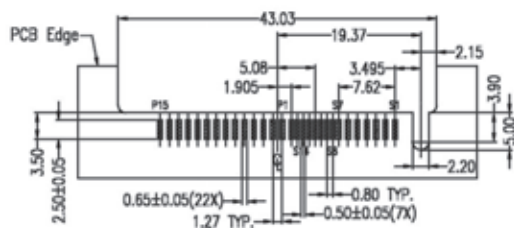
*RoHS & REACH compliant.

ORDERING INFORMATION:

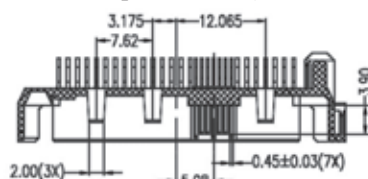
P/N S A T A 29 - T1 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"29" 7P+15P+7P
2. CONNECTOR CODE:
"T1" STRADDLE TYPE FOR T=1.60mm
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

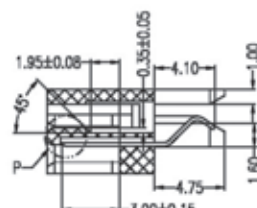
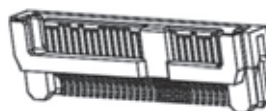
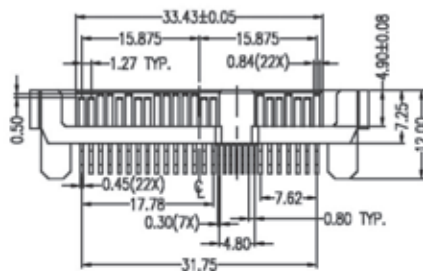
SAS 7+15+7 PIN MALE CONNECTOR STRADDLE TYPE



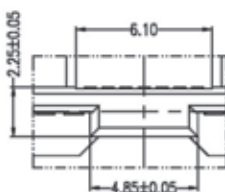
Recommended P.C. Board Layout
Component Side (T=1.00mm)



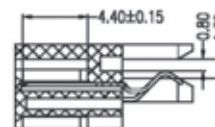
SECT A-A



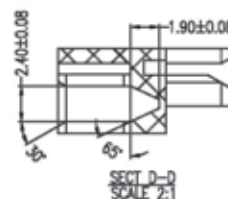
SECT B-B
SCALE 2:1



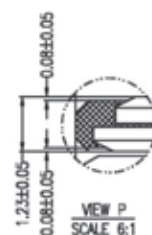
VIEW O
SCALE 3:1



SECT C-C
SCALE 2:1



SECT D-D
SCALE 2:1



Part	Material	Quantity
1	PCB	1
2	PCB	1
3	PCB	1
4	PCB	1
5	PCB	1
6	PCB	1
7	PCB	1
8	PCB	1
9	PCB	1
10	PCB	1
11	PCB	1
12	PCB	1
13	PCB	1
14	PCB	1
15	PCB	1
16	PCB	1
17	PCB	1
18	PCB	1
19	PCB	1
20	PCB	1
21	PCB	1
22	PCB	1
23	PCB	1
24	PCB	1
25	PCB	1
26	PCB	1
27	PCB	1
28	PCB	1
29	PCB	1
30	PCB	1
31	PCB	1
32	PCB	1
33	PCB	1
34	PCB	1
35	PCB	1
36	PCB	1
37	PCB	1
38	PCB	1
39	PCB	1
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93	PCB	1
94	PCB	1
95	PCB	1
96	PCB	1
97	PCB	1
98	PCB	1
99	PCB	1
100	PCB	1

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 29 - T2 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"29" 7P+15P+7P

2. CONNECTOR CODE:

"T2" STRADDLE TYPE FOR T=1.00mm

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

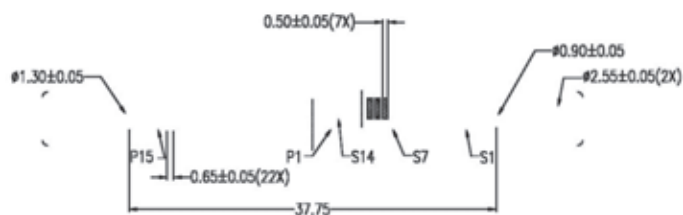
5. CONTACT FINISH:

"01" GOLD FLASH

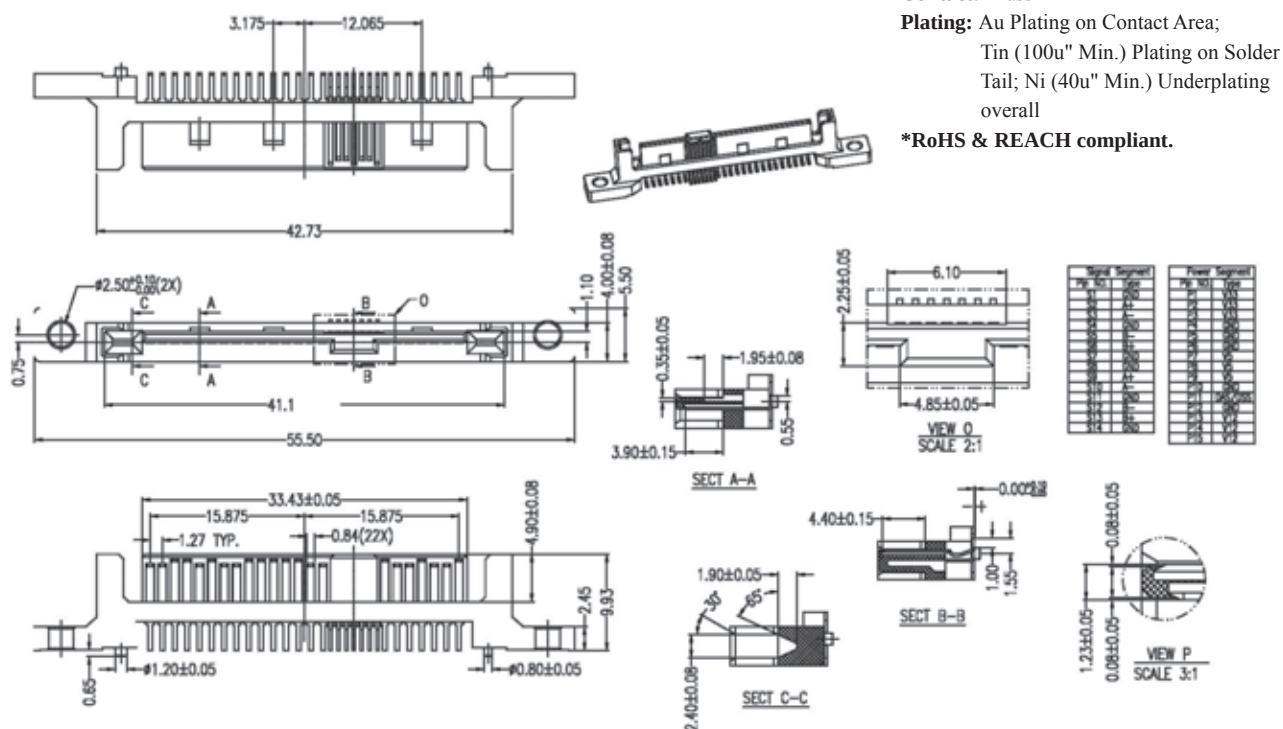
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SAS 7+15+7 PIN MALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C. Board Layout
Component Side (T=1.60mm)



SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: 0°C to +55°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 2 9 - T 3 M B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"29" 7P+15P+7P

2. CONNECTOR CODE:

"T3" SMT TYPE

3. CONTACT TYPE:

"M" MALE

4. INSULATOR COLOR:

"B" BLACK

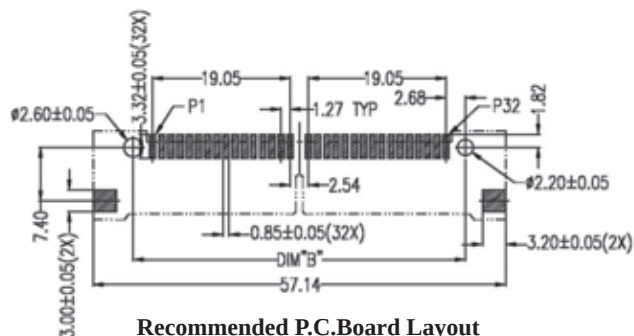
5. CONTACT FINISH:

"01" GOLD FLASH

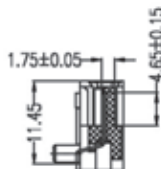
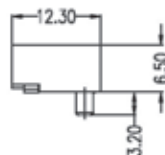
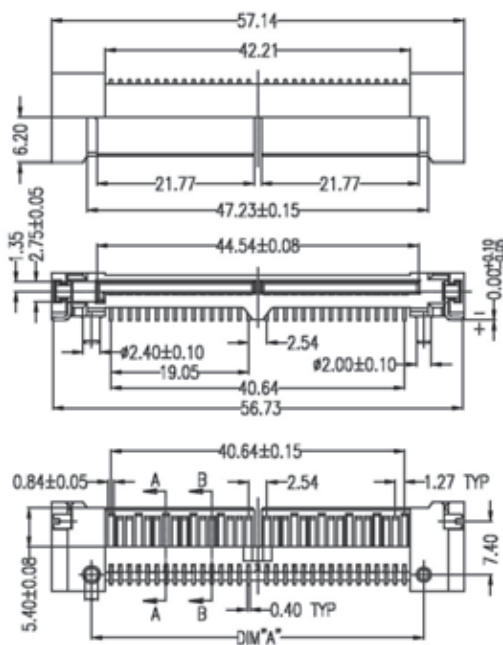
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

SAS 32 PIN MALE CONNECTOR RIGHT ANGLE SMT TYPE



Recommended P.C.Board Layout Component Side



SECTION A-A



SECTION B-B

SPECIFICATIONS

Current Rating: 1.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 500V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -55°C to +85°C

MATERIALS

Housing: Nylon 9T, UL94V-0

Contact: Brass

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

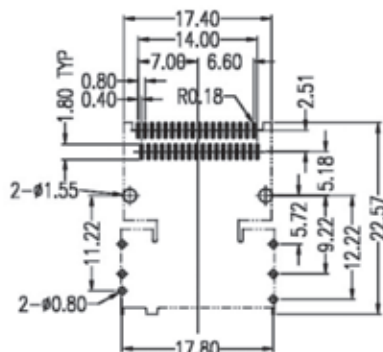
***RoHS & REACH compliant.**

ORDERING INFORMATION:

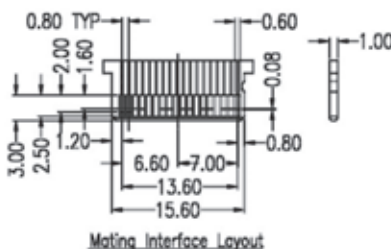
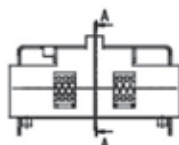
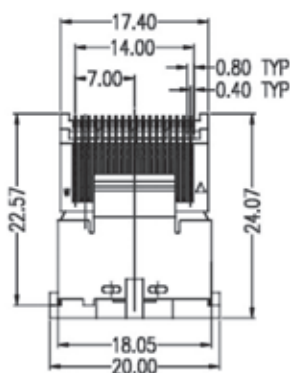
P/N S A T A 3 2 - x x M B x x
1 2 3 4 5

1. NO. OF CONTACTS:
"32" 32P
2. CONNECTOR CODE:
"A1" DIM. A/B = 46.00/46.00MM
"A2" DIM. A/B = 49.81/49.81MM
3. CONTACT TYPE:
"M" MALE
4. INSULATOR COLOR:
"B" BLACK
5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

MINI SAS 36 PIN FEMALE CONNECTOR RIGHT ANGLE SMT TYPE

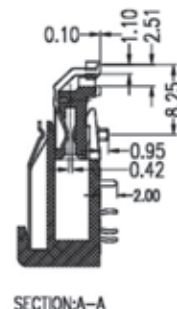
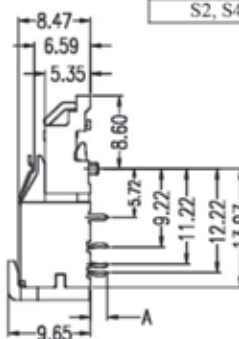


Recommended P.C.Board Layout
Top View (T=1.60mm)



Mating Interface Layout

Standard	Dim A
S1, S3, S5, S7	2.00
S2, S4, S6, S8	2.80



SECTION A-A

S1, S2	S3, S4	S5, S6	S7, S8

SPECIFICATIONS

Current Rating: 0.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 300V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating

overall

***RoHS & REACH compliant.**

ORDERING INFORMATION:

P/N S A T A 3 6 - x x F B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"36" 36P

2. CONNECTOR CODE:

"S1" LEFT KEY & SHORT POST

"S2" LEFT KEY & LONG POST

"S3" RIGHT KEY & SHORT POST

"S4" RIGHT KEY & LONG POST

"S5" DOUBLE KEY & SHORT POST

"S6" DOUBLE KEY & LONG POST

"S7" NON-KEYED & SHORT POST

"S8" NON-KEYED & LONG POST

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

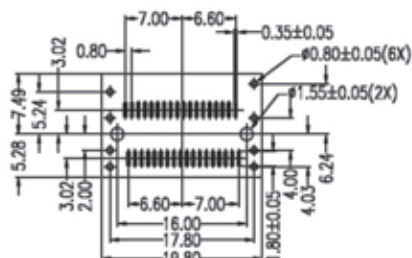
5. CONTACT FINISH:

"01" GOLD FLASH

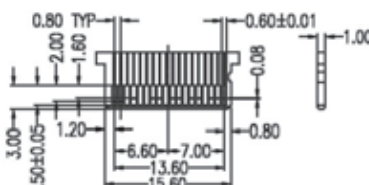
"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

MINI SAS 36 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C. Board Layout
Component Side



Mating Interface Layout

SPECIFICATIONS

Current Rating: 0.5 Amperes

Insulation Resistance: 1000MΩ Min

Dielectric Withstanding: 300V AC

Contact Resistance: 30mΩ Max.

Operating Temperature: -40°C to +85°C

MATERIALS

Housing: LCP, UL94V-0

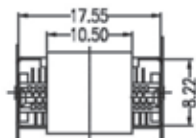
Contact: Phosphor Bronze

Plating: Au Plating on Contact Area;

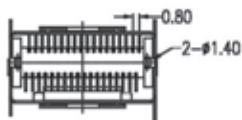
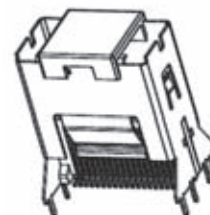
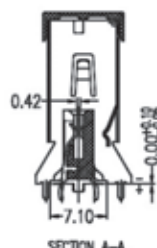
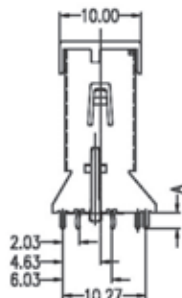
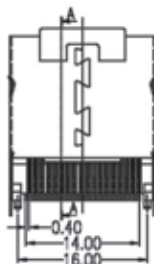
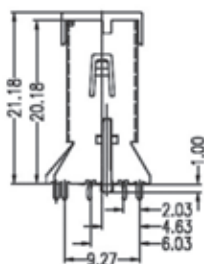
Tin (100u" Min.) Plating on Solder

Tail; Ni (40u" Min.) Underplating
overall

*RoHS & REACH compliant.



Unit:mm		
Standard	Dim A	PCB Thickness
T1, T3, T5, T7	2.00	1.60
T2, T4, T6, T8	2.80	2.40



 T1, T2	 T3, T4	 T5, T6	 T7, T8
------------	------------	------------	------------

ORDERING INFORMATION:

P/N S A T A 36 - x x F B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"36" 36P

2. CONNECTOR CODE:

"T1" LEFT KEY & SHORT POST

"T2" LEFT KEY & LONG POST

"T3" RIGHT KEY & SHORT POST

"T4" RIGHT KEY & LONG POST

"T5" DOUBLE KEY & SHORT POST

"T6" DOUBLE KEY & LONG POST

"T7" NON-KEYED & SHORT POST

"T8" NON-KEYED & LONG POST

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

MINI SAS 36 PIN FEMALE CONNECTOR INTERNAL SMT TYPE

SPECIFICATIONS

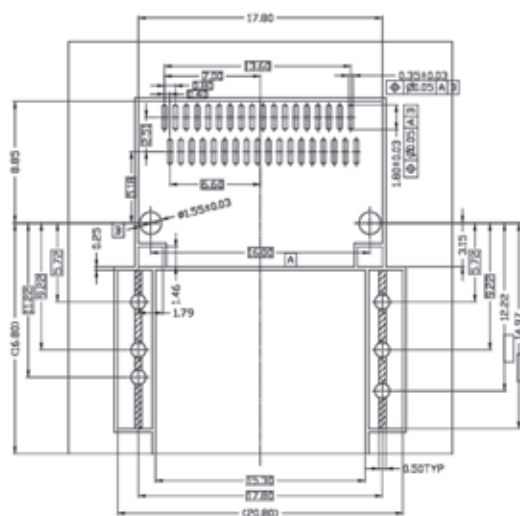
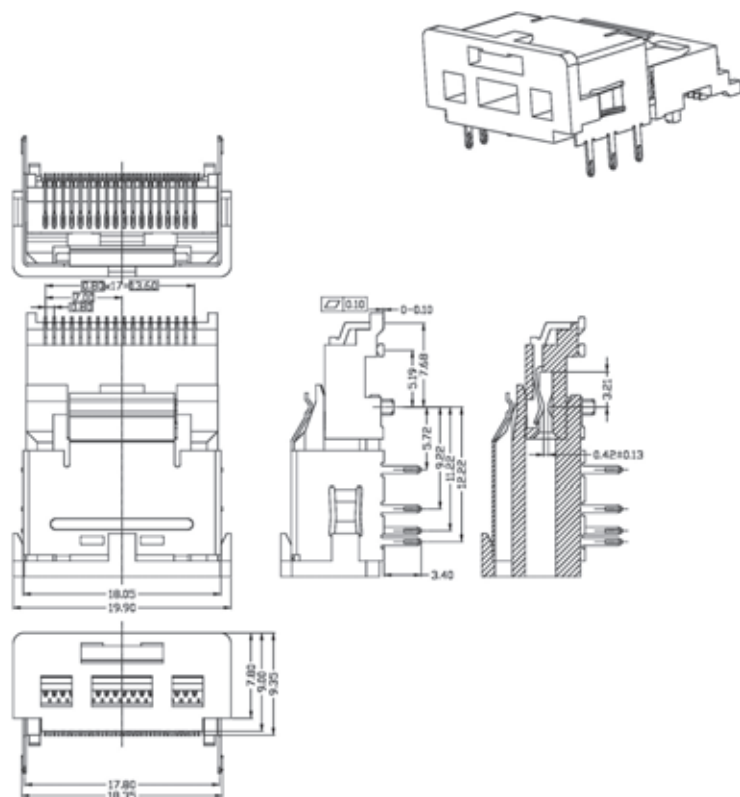
Current: 0.5A/Contact

Voltage: 30VAC/Contact

Low Level Contact Resistance: 80 mohm

Operating Temperature: -20°C to +55°C

***RoHS & REACH compliant.**



Recommended P.C.Board Layout

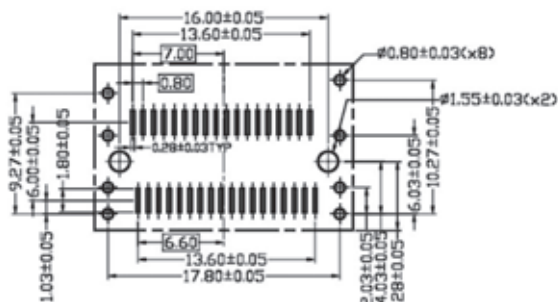
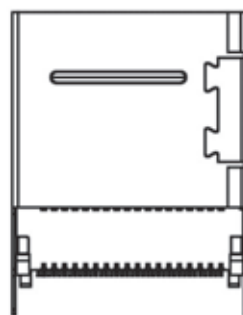
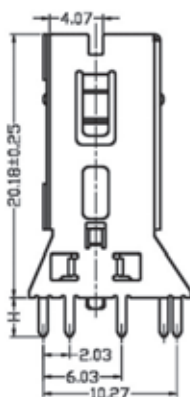
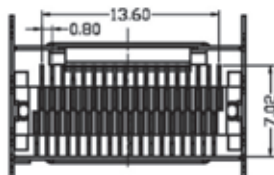
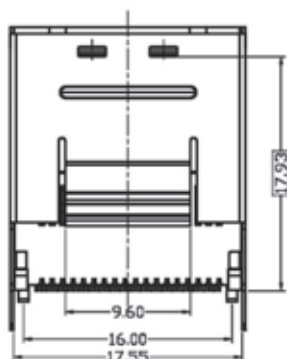
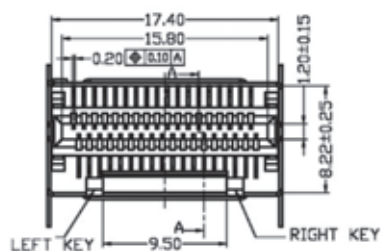
ORDERING INFORMATION:

P/N SAT A
36 - xx F B xx
1 2 3 4 5

1. NO. OF CONTACTS:
"36" 36P
2. CONNECTOR CODE:
"U1" NON-KEYED
"U2" LEFT KEY
"U3" RIGHT KEY
"U4" DOUBLE KEY
3. CONTACT TYPE:
"F" FEMALE
4. INSULATOR COLOR:
"B" BLACK

5. CONTACT FINISH:
"01" GOLD FLASH
"15" 15 MICROINCH GOLD
"30" 30 MICROINCH GOLD

MINI SAS 36 PIN FEMALE CONNECTOR STRAIGHT SMT TYPE



Recommended P.C.Board Layout

SPECIFICATIONS

Current: 0.5A/Contact

Voltage: 30VAC/Contact

Low Level Contact Resistance: 80 mohm

Operating Temperature: -20°C to +55°C

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N S A T A 36 - x x F B x x
1 2 3 4 5

1. NO. OF CONTACTS:

"36" 36P

2. CONNECTOR CODE:

"V5" NON-KEYED

"V6" LEFT KEY

"V7" RIGHT KEY

"V8" DOUBLE KEY

3. CONTACT TYPE:

"F" FEMALE

4. INSULATOR COLOR:

"B" BLACK

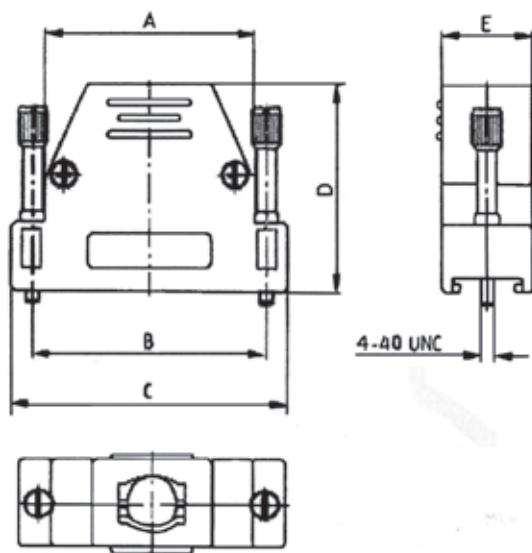
5. CONTACT FINISH:

"01" GOLD FLASH

"15" 15 MICROINCH GOLD

"30" 30 MICROINCH GOLD

PLASTIC COVER FOR D-SUB CONNECTOR WITH S.R. FIXED ON THE COVER



MATERIALS

Insulator: ABS, UL94HB

Unmetalized: In Black

Metalized: Chromate Plated

Unit: mm

Tolerance: +/- 0.3mm

***RoHS & REACH compliant.**

POPULAR

5380-xxHBT

5381-xxHCT

No. of Pos.	Dimensions(mm)					
	A	B	C	D	E	OD
09P	20.50	25.00	31.00	29.50	19.00	9.00
15P	28.00	33.30	43.00	37.00	19.00	10.50
25P	41.00	47.00	55.00	53.50	19.00	12.00

ORDERING INFORMATION:

FOR BLACK HOOD:

P/N 5380 - $\frac{xx}{1}$ H $\frac{BT}{2}$

1. NO. OF POSTIONS:
09, 15, 25
2. INSULATOR COLOR:
"B" BLACK

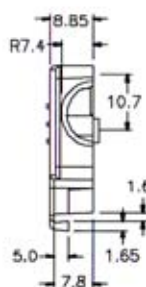
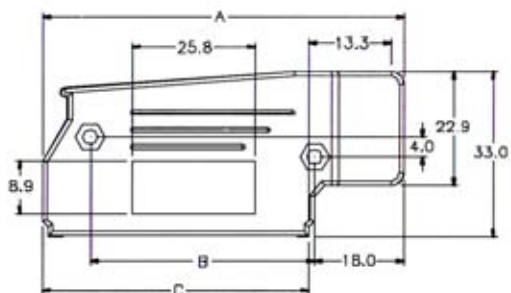
NOTE: THE STRAIN RELIEF CAN BE FIXED ON THE COVER

FOR METALIZED HOOD:

P/N 5381 - $\frac{xx}{1}$ H $\frac{CT}{2}$

1. NO. OF POSTIONS:
09, 15, 25
2. INSULATOR FINISH:
"C" CHROMTED PLATED

PLASTIC HOOD FOR 57 SERIES CENTRONIC CONNECTORS



SPECIFICATIONS

Current Rating: 1.0 Ampere

Contact Resistance: 15mΩ Max.

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 500V AC

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

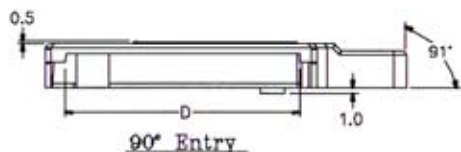
MATERIALS

Insulator: PBT, UL94V-0 Rated

Contact: Phosphor Bronze

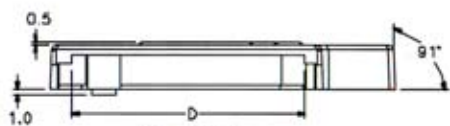
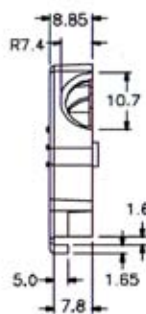
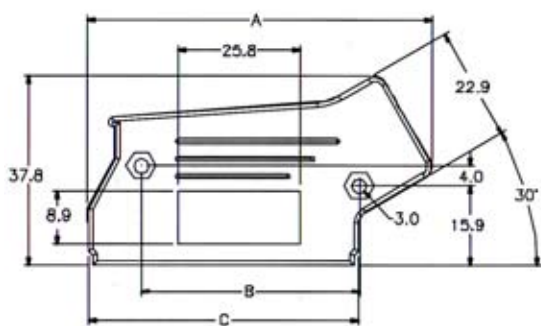
***RoHS & REACH compliant.**

5369



90° Entry

Position	90° Entry Dimensions(mm)			
	A±0.13	B±0.1	C±0.13	D±0.13
36	72.4	45.1	54.4	45.6
50	89.4	60.0	71.4	61.2

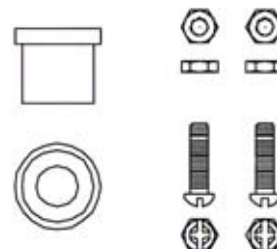


120° Entry

5370

Position	120° Entry Dimensions(mm)			
	A±0.13	B±0.1	C±0.13	D±0.13
36	68.9	44.0	54.6	45.6
50	85.6	60.0	71.4	61.2

Accessories



ORDERING INFORMATION:

P/N 53 $\frac{XX}{1}$ - $\frac{XXX}{23}$

1. ENTRY HOLE DEGREE:

"69" 90° ENTRY

"70" 120° ENTRY

2. NO. OF POSITIONS:

36, 50

3. INSULATOR COLOR:

"A" GRAY

"B" BLACK

PLASTIC COVERS FOR ROUND CABLE TYPE D-SUB. CONNECTORS (1)

 5311-09A 5311-09B 5331-09C FOR Ø7MM	 5311-15A 5311-15B 5331-15C FOR Ø10MM	 5311-25A 5311-25B 5331-25C FOR Ø11MM	 5311-37A 5311-37B 5331-37C FOR Ø14MM	 5311-50A 5311-50B 5331-50C FOR Ø14MM
 5333-09C 5313-09A 5313-09B FOR Ø7MM	 5333-15C 5313-15A 5313-15B FOR Ø10MM	 5333-25C 5313-25A 5313-25B FOR Ø11MM	 5333-37C 5313-37A 5313-37B FOR Ø14MM	 5333-50C 5313-50A 5313-50B FOR Ø14MM
 5316-09A 5316-09B 5336-09C FOR Ø7MM	 5316-15A 5316-15B 5336-15C FOR Ø10MM	 5316-25A 5316-25B 5336-25C FOR Ø11MM	 5316-50A 5316-50B 5336-50C FOR Ø14MM	
 5314-09A 5314-09B 5334-09C FOR Ø7MM	 5314-15A 5314-15B 5334-15C FOR Ø10MM	 5314-25A 5314-25B 5334-25C FOR Ø11MM	 5314-50A 5314-50B 5334-50C FOR Ø14MM	

ORDERING INFORMATION:

P/N 5 3 $\frac{xx}{1} - \frac{xxx}{23}$

1. PLASTIC COVER CODE:
AS SHOWN ABOVE!
2. NO. OF POSITIONS:
09, 15, 25, 37, 50
3. INSULATOR COLOR:
"A" GRAY
"B" BLACK
"C" METALIZED
"V" IVORY

MATERIALS

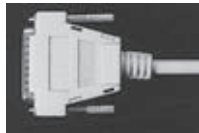
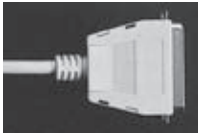
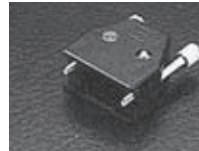
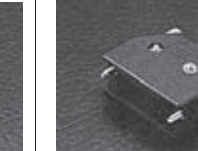
Insulator: ABS UL94HB

METALIZED: CHROMATE PLATED

*RoHS & REACH compliant.

PLASTIC COVERS FOR ROUND CABLE TYPE D-SUB. CONNECTORS (2)

PLASTIC COVERS FOR QUICK ASSEMBLED CONNECTORS

					
<u>D-SUB</u> 5362-25V 5362-25A 5362-25B 5363-25C	<u>CENTRONIC</u> 5360-36V 5360-36A 5360-36B 5361-36C	<u>CENTRONIC</u> 5360-50V 5360-50A 5360-50B 5361-50C	5364-09V 5364-09A 5364-09B 5365-09C	5364-15V 5364-15A 5364-15B 5365-15C	5364-25V 5364-25A 5364-25B 5365-25C
					
5321-09A 5321-09B 5341-09C	5321-15A 5321-15B 5341-15C	5321-25A 5321-25B 5341-25C	5321-37A 5321-37B 5341-37C	5321-50A 5321-50B 5341-50C	5317-09A 5317-09B 5337-09C FOR Ø7MM
					
5315-09A 5315-09B 5315-09V 5335-09C	5315-15A 5315-15B 5315-15V 5335-15C	5315-25A 5315-25B 5315-25V 5335-25C	5320-09A 5320-09B 5320-09V 5340-09C	5320-25A 5320-25B 5320-25V 5340-25C	5317-25A 5317-25B 5337-25C
					
5380-09B 5380-09A 5381-09C FOR Ø7MM	5380-15B 5380-15A 5381-15C FOR Ø10MM	5380-25B 5380-25A 5381-25C FOR Ø13.5MM	5380-37B 5380-37A 5381-37C FOR Ø16MM	5380-50B 5380-50A 5381-50C FOR Ø16MM	

ORDERING INFORMATION:

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

1. PLASTIC COVER CODE:
AS SHOWN ABOVE!
2. NO. OF POSITIONS:
09, 15, 25, 36, 37, 50
3. INSULATOR COLOR:
"A" GRAY
"B" BLACK
"C" METALIZED
"V" IVORY

MATERIALS

Insulator: ABS UL94HB

METALIZED: CHROMATE PLATED

*RoHS & REACH compliant.

PLASTIC COVERS FOR FLAT CABLE TYPE D-SUB. CONNECTORS

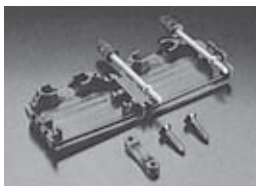
UNIVERSAL PLASTIC COVERS FOR FLAT & ROUND CABLE

* Suitable for round/flat cables with diameter up to 12.5mm

* It can be locked by snap-in thus time is saved



5325-09A
5325-09B
FOR Ø8.5MM



5325-15A
5325-15B
FOR Ø10.5MM



5325-25A
5325-25B
FOR Ø11MM



5325-37A
5325-37B
FOR Ø12MM



5325-50A
5325-50B
FOR Ø13MM

PLASTIC COVERS FOR FLAT CABLE



5326-09A
5326-09C



5326-15A
5326-15C



5326-25A
5326-25C



5326-37A
5326-37C

PLASTIC COVERS FOR FLAT CABLE



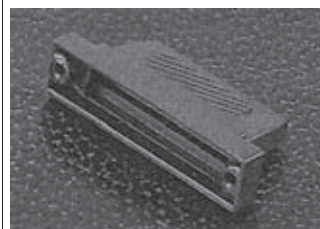
5318-09B



5318-15B



5318-2525B
(25 pin Flat Cable &
25 pin D-Sub.)



5318-2509B
(9 pin Flat Cable &
25 pin D-Sub.)

ORDERING INFORMATION:

P/N 5 3 $\frac{xx}{1} - \frac{xxx}{23}$

1. PLASTIC COVER CODE:
AS SHOWN ABOVE!
2. NO. OF POSITIONS:
09, 15, 25, 37, 50
3. INSULATOR COLOR:
"A" GRAY
"B" BLACK
"C" METALIZED
"V" IVORY

MATERIALS

Insulator: ABS UL94HB

METALIZED: CHROMATE PLATED

*RoHS & REACH compliant.

NOTE: P/N 5326T-xxx = 5326-xxx WITH THUMB SCREWS

PLASTIC COVERS FOR GENDER CHANGER & MINI TESTER

 GMM-0909A GMM-0909B GMM-0909C GMF-0909A GMF-0909B GMF-0909C GFF-0909A GFF-0909B GFF-0909C	 GMM-1515A GMM-1515B GMM-1515C GMF-1515A GMF-1515B GMF-1515C GFF-1515A GFF-1515B GFF-1515C	 GMM-2525A GMM-2525B GMM-2525C GMF-2525A GMF-2525B GMF-2525C GFF-2525A GFF-2525B GFF-2525C	 HMM-2525A HMM-2525B HMM-2525C HMF-2525A HMF-2525B HMF-2525C HFF-2525A HFF-2525B HFF-2525C	 GMM-3636A GMM-3636B GMM-3636C
ONE SET OF PLASTIC COVER INCLUDING: GMM: 4 SCREWS GMF: 4 SCREWS & 2 NUTS GFM: 4 SCREWS & 2 NUTS GFF: 4 SCREWS & 4 NUTS	 TMM-2525A TMM-2525B TMM-2525C TMF-2525A TMF-2525B TMF-2525C TFF-2525A TFF-2525B TFF-2525C	 GMM-0915A GMM-0915B GMM-0915C GMF-0915A GMF-0915B GMF-0915C GFF-0915A GFF-0915B GFF-0915C GFM-0915A GFM-0915B GFM-0915C	 GMM-0925A GMM-0925B GMM-0925C GMF-0925A GMF-0925B GMF-0925C GFF-0925A GFF-0925B GFF-0925C GFM-0925A GFM-0925B GFM-0925C	 GMM-2536A GMM-2536B GMM-2536C GMF-2536A GMF-2536B GMF-2536C GFF-2536A GFF-2536B GFF-2536C GFM-2536A GFM-2536B GFM-2536C

ORDERING INFORMATION:

P/N $\frac{\text{XXX}}{1} - \frac{\text{XXX}}{3} \frac{\text{XXX}}{4} \frac{\text{XXX}}{5}$

1. PLASTIC COVER CODE:
"G" GENDER CHANGER TYPE 1
"H" GENDER CHANGER TYPE 2
"T" MINI TESTER
2. GENDER TYPE:
"MM" MALE TO MALE
"MF" MALE TO FEMALE
"FF" FEMALE TO FEMALE
"FM" FEMALE TO MALE
3. NO OF POSITION AT SIDE 1:
09, 15, 25, 36

4. NO OF POSITION AT SIDE 2:
09,15,25,36
5. INSULATOR COLOR:
"A" GRAY
"B" BLACK
"C" METALIZED

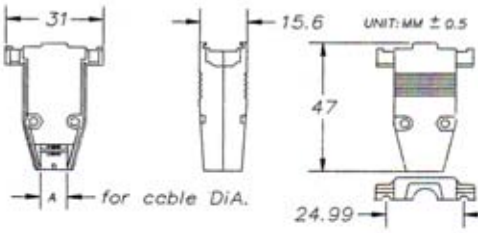
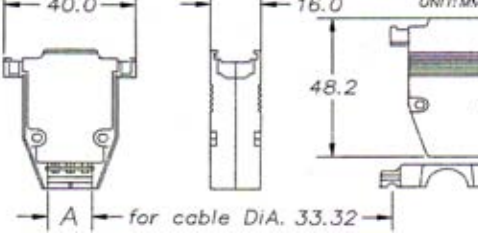
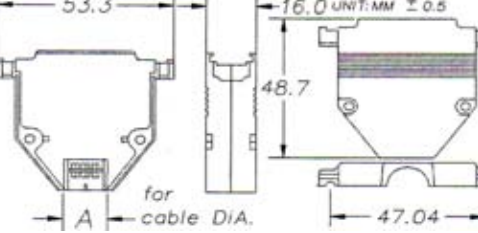
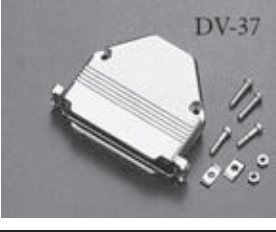
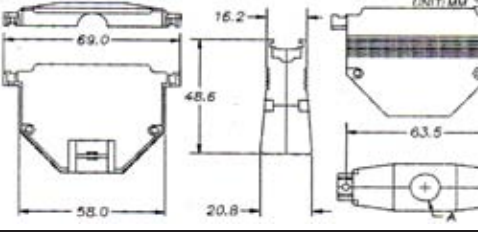
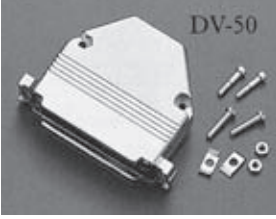
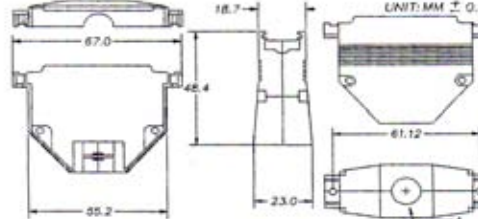
MATERIALS

Insulator: ABS

METALIZED: CHROMATE PLATED

*RoHS & REACH compliant.

METAL HOOD FOR D-SUB. CONNECTOR (1)

 DV-09	 UNIT: MM ± 0.5	DV-09 Material: Zinc Alloy Finished: Nickel Plated
 DV-15	 UNIT: MM ± 0.5	DV-15 Material: Zinc Alloy Finished: Nickel Plated
 DV-25	 UNIT: MM ± 0.5	DV-25 Material: Zinc Alloy Finished: Nickel Plated
 DV-37	 UNIT: MM ± 0.5	DV-37 Material: Zinc Alloy Finished: Nickel Plated
 DV-50	 UNIT: MM ± 0.5	DV-50 Material: Zinc Alloy Finished: Nickel Plated

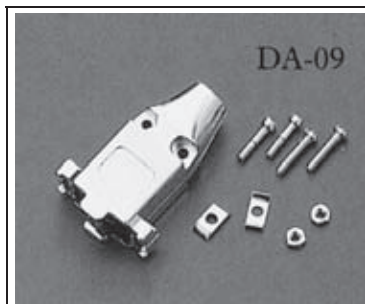
ORDERING INFORMATION:

P/N D V - $\frac{\text{xx}}{1} \frac{\text{xx}}{2} \frac{\text{xx}}{3}$

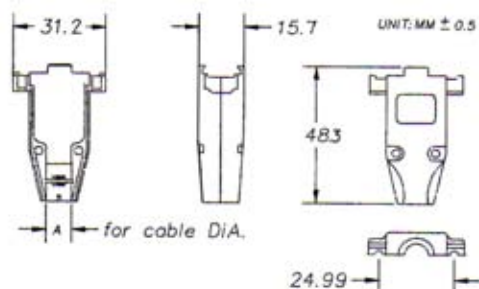
1. NO. OF POSITIONS:
09, 15, 25, 37, 50
2. SCREW TYPE:
" " 2* UNC4-40 SHORT SCREWS
"T" 2* UNC4-40 THUMB SCREWS
3. DIMENSION A (MM):
FOR DV-09: 4, 6, 6.5, 7, 7.5, 8, 8.5, 9 (STANDARD: 7MM)
FOR DV-15: 6, 7, 7.5, 8, 9, 10, 12 (STANDARD: 10MM)
FOR DV-25: 7, 8, 9, 10, 11, 12, 13, 14.5 (STANDARD: 10MM)
FOR DV-37: 10, 12, 14, 16 (STANDARD: 12MM)
FOR DV-50: 10, 13, 14.5, 16, 18 (STANDARD: 14.5MM)

NOTE: P/N DV-xxG = DV-xx WITH GROMMET

METAL HOOD FOR D-SUB. CONNECTOR (2)

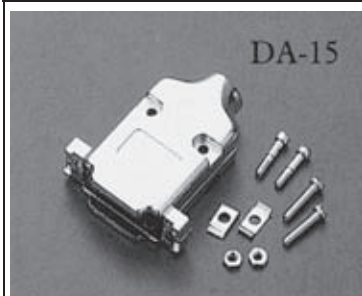


DA-09

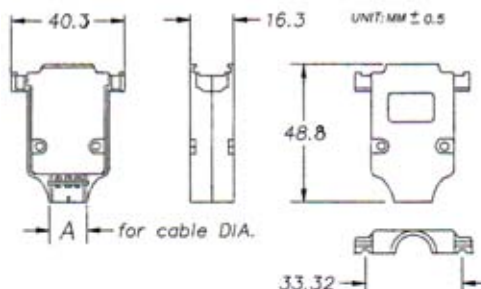


DA-09

Material: Zinc Alloy
Finished: Nickel Plated

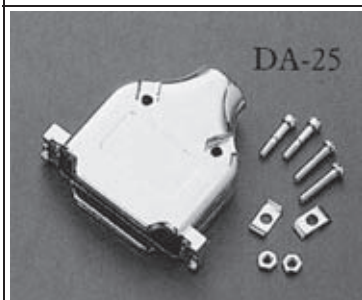


DA-15

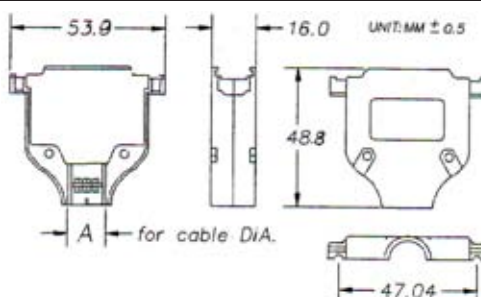


DA-15

Material: Zinc Alloy
Finished: Nickel Plated

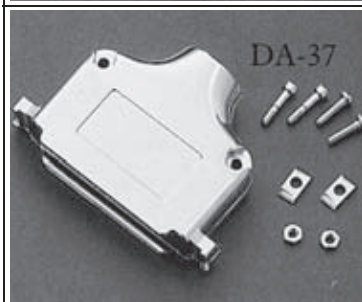


DA-25

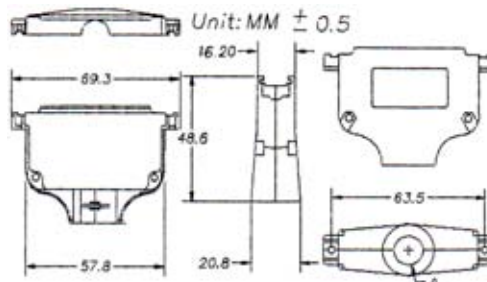


DA-25

Material: Zinc Alloy
Finished: Nickel Plated



DA-37



DA-37

Material: Zinc Alloy
Finished: Nickel Plated

ORDERING INFORMATION:

P/N DA - $\frac{xx}{1} \frac{xx}{2} \frac{xx}{3}$

1. NO. OF POSITIONS:

09, 15, 25, 37

2. SCREW TYPE:

" " 2* UNC4-40 SHORT SCREWS

"T" 2* UNC4-40 THUMB SCREWS

3. DIMENSION A (MM):

FOR DA-09: 6, 6.5, 7, 7.5, 8, 8.5, 9 (STANDARD: 7MM)

FOR DA-15: 7, 8, 9, 10.5 (STANDARD: 10.5MM)

FOR DA-25: 8, 9, 10, 11, 12 (STANDARD: 10MM)

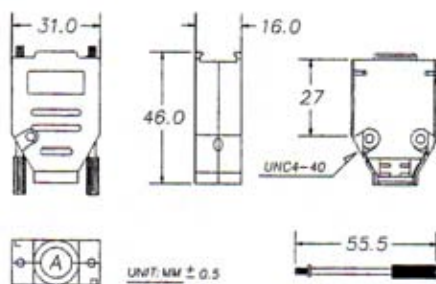
FOR DA-37: 9, 11.5, 13.5, 16 (STANDARD: 13.5MM)

NOTE: P/N DA-xxG = DA-xx WITH GROMMET

METAL HOOD FOR D-SUB. CONNECTOR (3)



DH-09

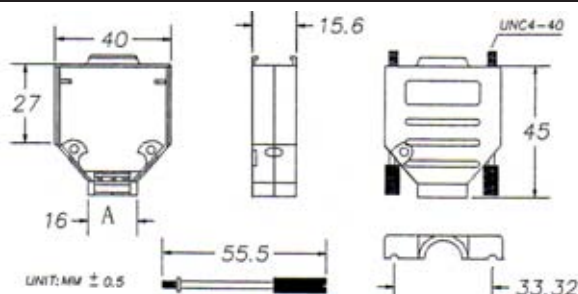


DH-09

Material: Zinc Alloy
Finished: Nickel Plated



DH-15

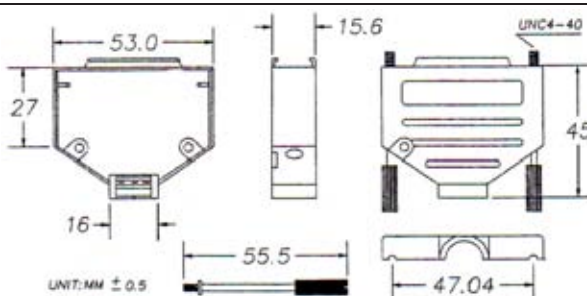


DH-15

Material: Zinc Alloy
Finished: Nickel Plated



DH-25

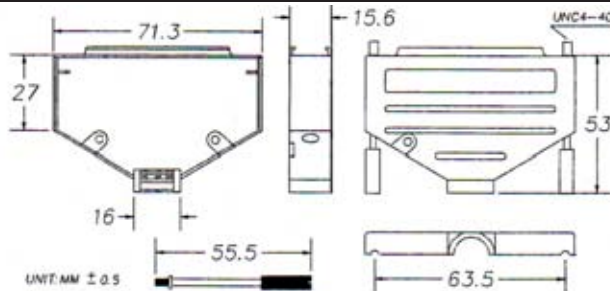


DH-25

Material: Zinc Alloy
Finished: Nickel Plated



DH-37



DH-37

Material: Zinc Alloy
Finished: Nickel Plated

ORDERING INFORMATION:

P/N D H - $\frac{xx}{1}$ / $\frac{xx}{2}$

1. NO. OF POSITIONS:

09, 15, 25, 37

2. DIMENSION A (MM):

FOR DH-09: 6, 7.5, 9, 11

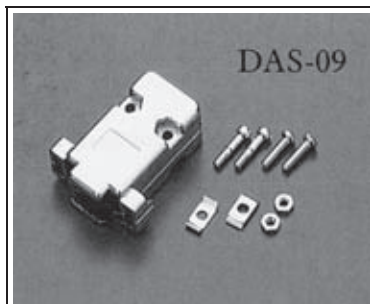
FOR DH-15: 6, 7.5, 9, 11

FOR DH-25: 7.5, 9, 11, 13

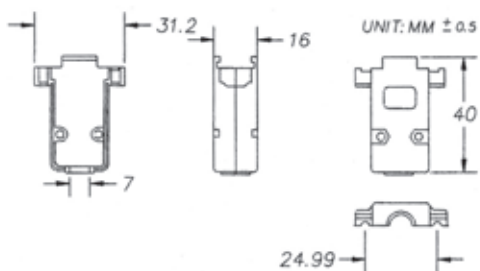
FOR DH-37: 11, 13.5, 16

NOTE: P/N DH-xxG = DH-xx WITH GROMMET

METAL HOOD FOR D-SUB. & CENTRONIC CONNECTOR (4)

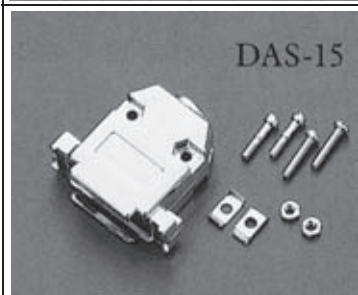


DAS-09

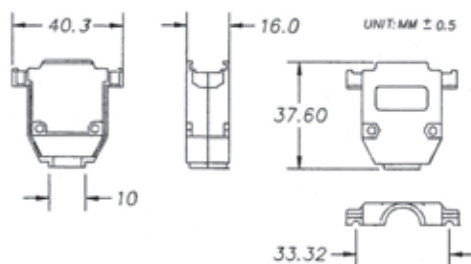


DAS-09/07

Material: Zinc Alloy
Finished: Nickel Plated



DAS-15

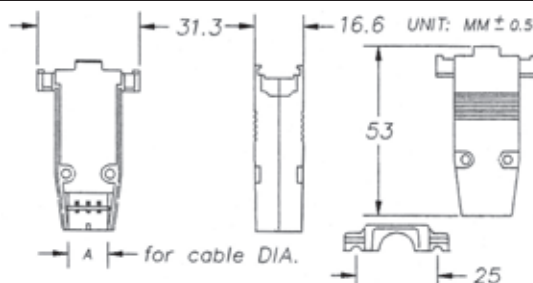


DAS-15/10

Material: Zinc Alloy
Finished: Nickel Plated



DVL-09

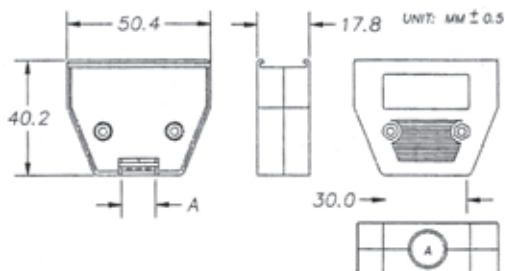


DVL-09

Material: Zinc Alloy
Finished: Nickel Plated



DC-36



DC-36

Material: Zinc Alloy
Finished: Nickel Plated

ORDERING INFORMATION:

P/N DAS - 09 / 7

A = 7MM WITH STRAIN RELIEF FOR DB9 CONNECTOR

P/N DAS - 15 / 10

A = 10MM WITH STRAIN RELIEF FOR DB15 CONNECTOR

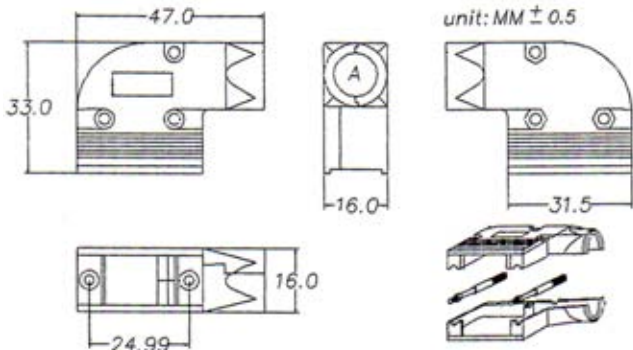
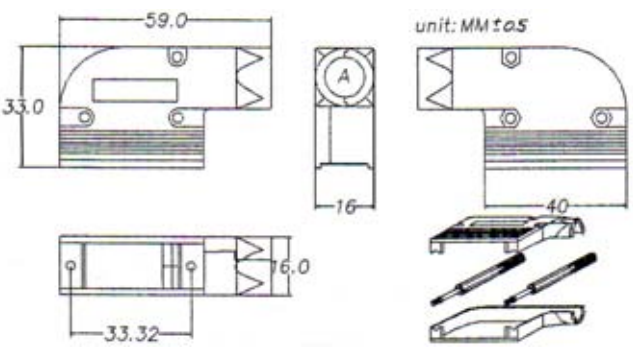
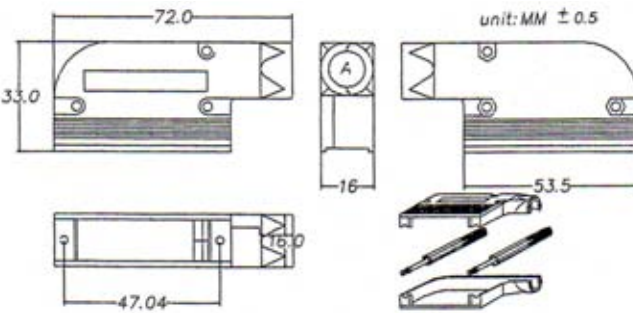
P/N DVL - 09 / xx

XX = DIMENSION A (MM): 9, 10, 11 WITH STRAIN RELIEF FOR DB9 CONNECTOR

P/N DC - 36 / xx

XX = DIMENSION A (MM): 10, 12 FOR CENTRONIC 36 PIN CONNECTOR

METAL HOOD FOR D-SUB. CONNECTOR RIGHT ANGLE ENTRY TYPE(5)

 DR-09	 unit: MM $\pm$ 0.5 DR-09 Material: Zinc Alloy Finished: Nickel Plated
 DR-15	 unit: MM $\pm$ 0.5 DR-15 Material: Zinc Alloy Finished: Nickel Plated
 DR-25	 unit: MM $\pm$ 0.5 DR-25 Material: Zinc Alloy Finished: Nickel Plated

ORDERING INFORMATION:

P/N D R - $\frac{xx}{1}$ / $\frac{xx}{2}$

1. NO. OF POSITIONS:

09, 15, 25

2. DIMENSION A (MM):

FOR DR-09: 6, 7.5, 9, 11 (STANDARD: 11MM)

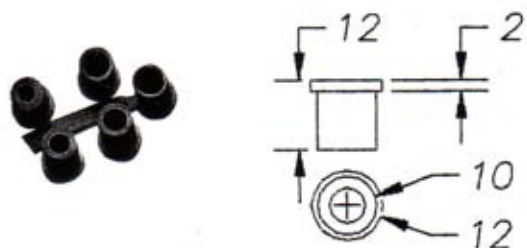
FOR DR-15: 6, 7.5, 9, 11 (STANDARD: 11MM)

FOR DR-25: 7.5, 9, 11, 13 (STANDARD: 11MM)

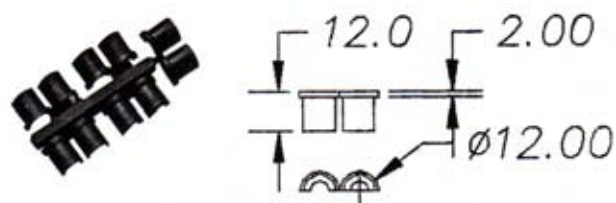
NOTE: P/N DR-xxG = DR-xx WITH GROMMET

GROMMET FOR D-SUB. METAL HOOD

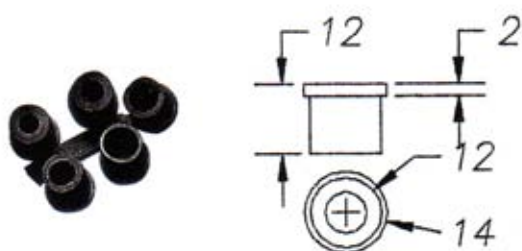
G09/15



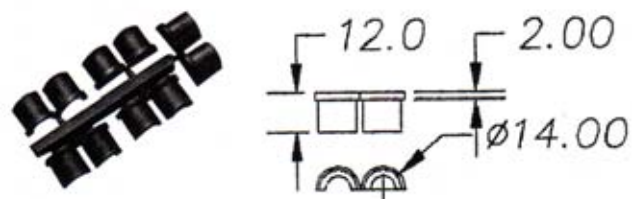
GH09/15



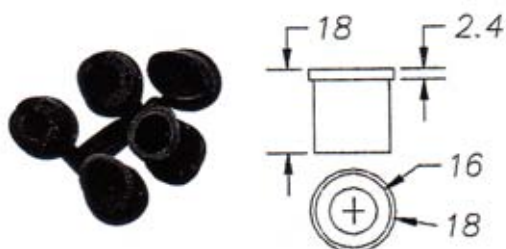
G25



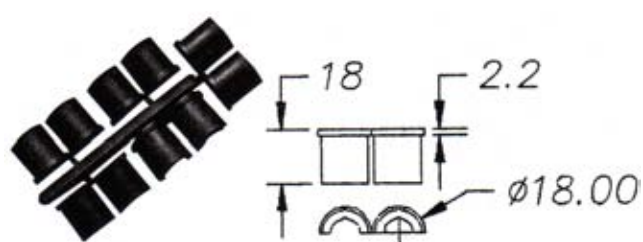
GH25



G50/37



GH50/37



ORDERING INFORMATION:

GROMMETS: G09/15, G25, G50/37,
GH09/15, GH25, GH50/37

METAL HOOD DV-xx WITH CROMMET:

DV-xxG: DV-09G, DV-15G, DV-25G, DV-37G,
DV-50G, DV-09TG, DV-15TG,
DV-25TG, DV-37TG, DV-50TG

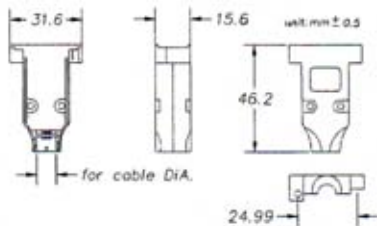
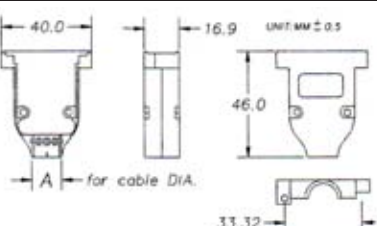
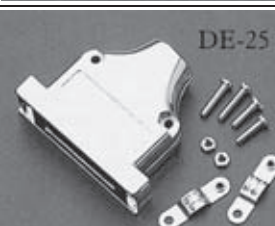
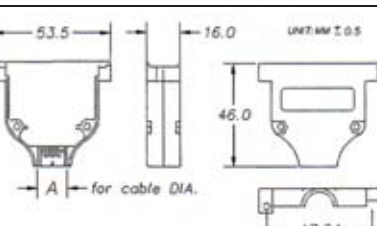
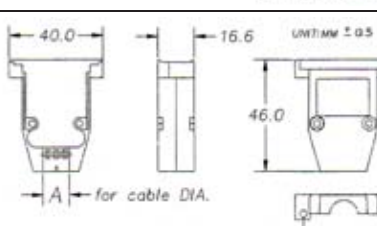
METAL HOOD DA-xx WITH CROMMET:

DA-xxG: DA-09G, DA-15G, DA-25G, DA-37G,
DA-09TG, DA-15TG, DA-25TG, DA-37TG

METAL HOOD DH-xx WITH CROMMET:

DH-xxG: DH-09G, DH-15G, DH-25G, DH-37G

METAL HOOD FOR ETHERNET D-SUB. CONNECTOR (1)

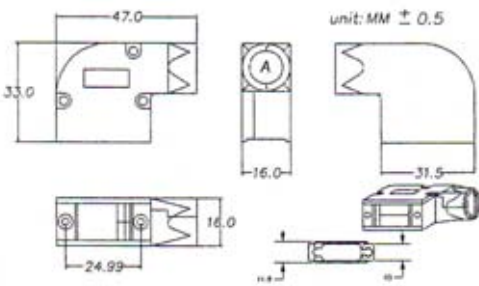
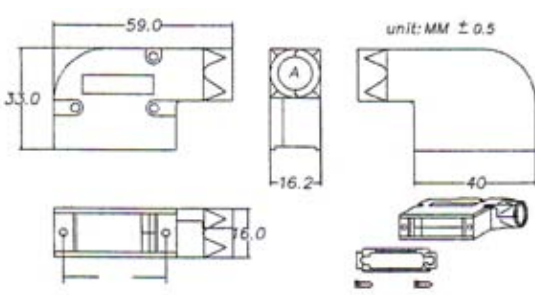
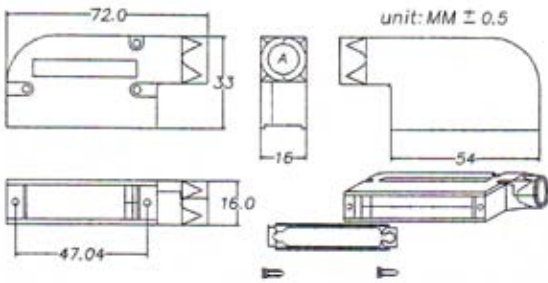
 DE-09		DE-09 Material: Zinc Alloy Finished: Nickel Plated	
 DE-15		DE-15 Material: Zinc Alloy Finished: Nickel Plated	
 DE-25		DE-25 Material: Zinc Alloy Finished: Nickel Plated	
 DEV-15		DEV-15V Material: Zinc Alloy Finished: Nickel Plated	
09A 	15A 	25A 	15B 

ORDERING INFORMATION:

P/N D E $\frac{x}{1}$ - $\frac{xx}{2}$ / $\frac{xx}{3}$

- SLIDE LATCH & SLIDE LOCK POST OPTION:
" " W/O LATCH & W/O LOCK POST
"L" WITH SLIDE LATCH 09A, 15A OR 25A
"P" WITH SLIDE LATCH POST 15B
- NO. OF POSITIONS:
09, 15, 25
- DIMENSION A (MM):
FOR DE-09: 6, 7.5, 9, 11 (STANDARD: 11MM)
FOR DE-15: 6, 7.5, 9, 11 (STANDARD: 11MM)
FOR DE-25: 7.5, 11, 13 (STANDARD: 11MM)
FOR DEV-15: P/N DEVx-15/xx
xx = 6, 7.5, 9, 11

METAL HOOD FOR ETHERNET D-SUB. CONNECTOR (2)

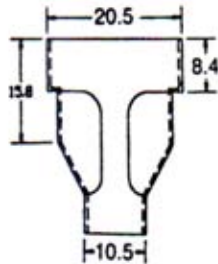
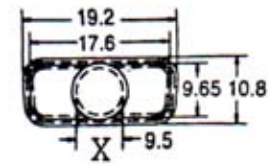
 DER-09	 unit: MM $\pm$ 0.5 DERL-09 Material: Zinc Alloy Finished: Nickel Plated		
 DER-15	 unit: MM $\pm$ 0.5 DERL-15 Material: Zinc Alloy Finished: Nickel Plated		
 DER-25	 unit: MM $\pm$ 0.5 DERL-25 Material: Zinc Alloy Finished: Nickel Plated		
09A 	15A 	25A 	15B 

ORDERING INFORMATION:

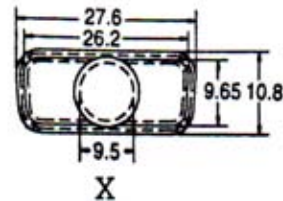
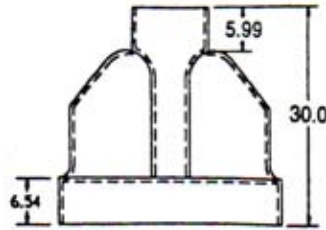
P/N D E R $\frac{x}{1} - \frac{xx}{2} / \frac{xx}{3}$

1. SLIDE LATCH & SLIDE LOCK POST OPTION:
" " W/O LATCH & W/O LOCK POST
"L" WITH SLIDE LATCH 09A, 15A OR 25A
"P" WITH SLIDE LATCH POST 15B
2. NO. OF POSITIONS:
09, 15, 25
3. DIMENSION A (MM):
FOR DER-09: 6, 7.5, 11
FOR DER-15: 6, 7.5, 11
FOR DER-25: 7.5, 10, 13

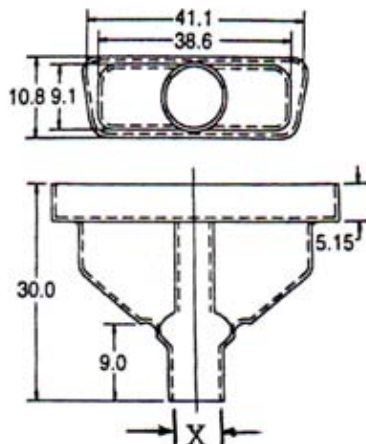
INNER METAL SHELL FOR MOULDING D-SUB. CONNECTOR



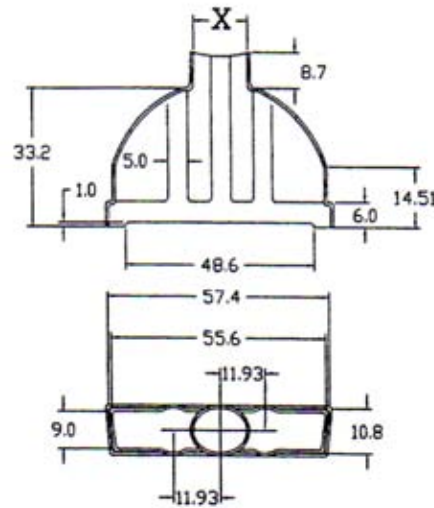
5357-09M



5357-15M



5357-25M



5357-37M

MATERIALS

Hood: SPCC Tin Plated

Unit: mm

Tolerance: +/-0.2mm

*RoHS & REACH compliant.

ORDERING INFORMATION:

P/N 5357 - $\frac{xxx}{1}$ / $\frac{xxx}{2}$

1. NO. OF CONTACTS:

"09M" DB9

"15M" DB15

"25M" DB25

"37M" DB37

2. CABLE ENTRY HOLE DIAMETER (in MM):

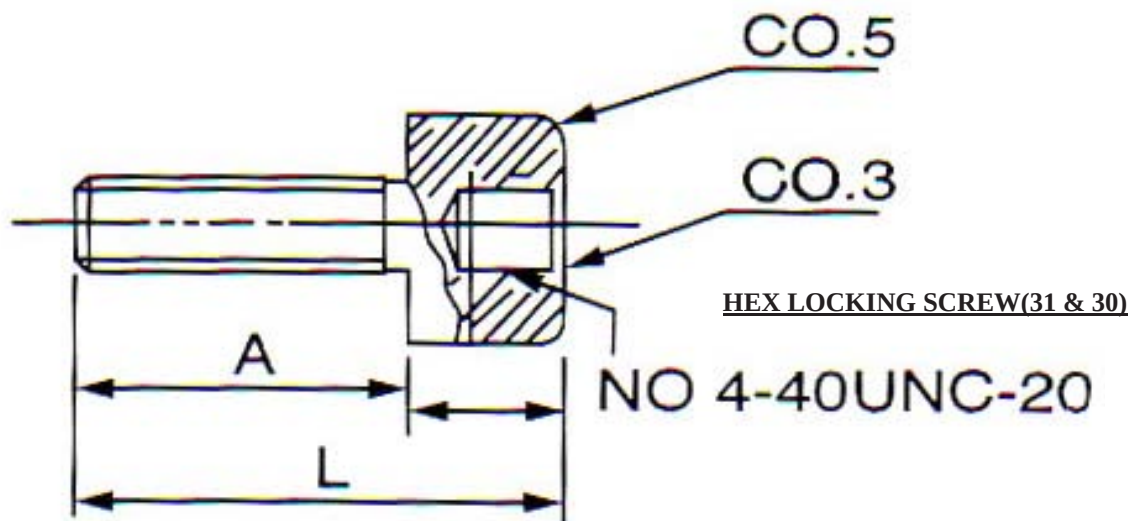
X= 5.5, 7.2, 9.5, 10.8 FOR DB9

X= 7.2, 9.5 FOR DB15

X= 7.2, 9.5, 10.8 FOR DB25

X= 14* 10.8 FOR DB37

ACCESSORIES FOR D-SUB. CONNECTOR (1)



L(mm)	A(mm)
10	5.2
11.2	6.35
12.7	7.92
15.7	10.90
17.7	13.00
19.3	14.50
18.8	14.0

ORDERING INFORMATION:

P/N 53 xx - xxxx
1 2

1. PACKAGE OPTION:

"73" INDIVIDUAL PACK OF UNIT

"74" BULK PACK

2. HARDWARE IN SET:

24(=24L10), 24L11.2, 24L12.7, 24L15.7

24L17.7, 24L19.3, 24L18.8

23(=23L12.7), 23L10, 23L11.2, 23L15.7

23L17.7, 23L19.3, 23L18.8

HEX LOCKING SCREWS W/O SLOT (2PCS/SET):

31(=31L15.7), 31L10, 31L11.2, 31L12.7,

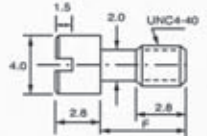
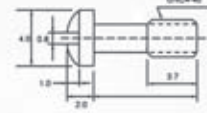
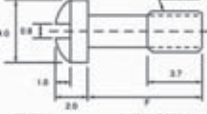
31L17.7, 31L19.3, 31L18.8

HEX LOCKING SCREWS SLOTTED (2PCS/SET):

30(=30L15.7), 30L10, 30L11.2, 30L12.7,

30L17.7, 30L19.3, 30L18.8

ACCESSORIES FOR D-SUB. CONNECTOR (2)

4309 	21 	22 	22SEM 															
4315 	41F 	41C 																
4325 	25  CAPTIVE SCREW & RETAINING CLIP	 <table><tr><th>ITEM</th><th>LENGTH</th><th>F</th></tr><tr><td>25</td><td>.25/6.35</td><td></td></tr></table>		ITEM	LENGTH	F	25	.25/6.35										
ITEM	LENGTH	F																
25	.25/6.35																	
	28  CAPTIVE SCREW & RETAINING CLIP	 <table><tr><th>ITEM</th><th>LENGTH</th><th>F</th></tr><tr><td>28</td><td>.30/7.62</td><td></td></tr><tr><td>28F5</td><td>.20/5.08</td><td></td></tr><tr><td>28F6</td><td>.25/6.35</td><td></td></tr></table>		ITEM	LENGTH	F	28	.30/7.62		28F5	.20/5.08		28F6	.25/6.35				
ITEM	LENGTH	F																
28	.30/7.62																	
28F5	.20/5.08																	
28F6	.25/6.35																	
	29  CAPTIVE SCREW & RETAINING CLIP	 <table><tr><th>ITEM</th><th>LENGTH</th><th>F</th></tr><tr><td>29</td><td>.30/7.62</td><td></td></tr><tr><td>29F6</td><td>.25/6.35</td><td></td></tr><tr><td>29L50</td><td>.30/7.62</td><td></td></tr><tr><td>29L50F6</td><td>.25/6.35</td><td></td></tr></table>		ITEM	LENGTH	F	29	.30/7.62		29F6	.25/6.35		29L50	.30/7.62		29L50F6	.25/6.35	
ITEM	LENGTH	F																
29	.30/7.62																	
29F6	.25/6.35																	
29L50	.30/7.62																	
29L50F6	.25/6.35																	
453P 	29L50  CAPTIVE SCREW & RETAINING CLIP FOR 50 POS. ONLY																	

ORDERING INFORMATION:

P/N 5 3 xx - xxxx
1 2

- PACKAGE OPTION:
"73" INDIVIDUAL PACK OF UNIT
"74" BULK PACK
- HARDWARE IN SET:
21, 22, 22SEM, 41F, 41C, 25, 28, 28F5,
28F6, 29, 29F6, 29L50, 29L50F6,
4309, 4315, 4325, 453P

ACCESSORIES FOR D-SUB. CONNECTOR (3)

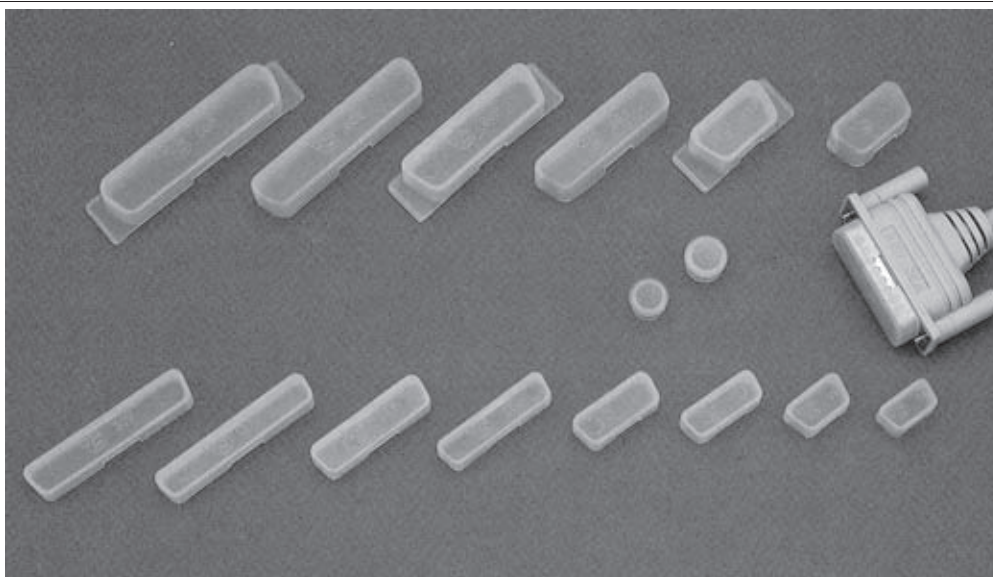
 H5*6 HEX EXTENDER 27	 D-LOCK POST H03	 HEX RIVET NUT 42L4/42H5.7	 ROUND RIVET NUT 48L4/48H5.7
 THUMBSCREW H07-01	 H09E6 H09E8 H09C		 H18
 THUMBSCREW H07-02	 44		

ORDERING INFORMATION:

P/N 53 xx - xxxx
1 2

1. PACKAGE OPTION:
"73" INDIVIDUAL PACK OF UNIT
"74" BULK PACK
2. HARDWARE IN SET:
27, H03, 42L4(Low profile), 42H5.7(High profile),
48L4(Low profile), 48H5.7(High profile),
H07-01(FOR DH METAL HOOD), H07-02(FOR DA, DV METAL HOOD),
H07-02S(SLOTTED), H09E6(FOR DB15+DB25),
H09E8(FOR DB37+DB50), H18, 44

DUST COVER



DUST COVER FOR MALE CONNECTOR

MATERIAL: PE WHITE OR BLACK

<u>TYPE</u>	<u>PART NO.</u>
DB9M	5323-09W
DB15M	5323-15W
DB25M	5323-25W
DB37M	5323-37W
DB50M	5323-50W
CEN50M	5323-CN50W
CEN36M	5323-CN36W
HPDB50M	5323-HPDB50W
HPDB68M	5323-HPDB68W
MINI DIN	5323-MINIDINW
DIN PLUG	5323-DINW
DVI	5323-DVIW
USB/A	5323-UBAW
USB/B	5323-UBBW

NOTE: B = BLACK(FOR USB)
W = WHITE (FOR OTHERS)

DUST COVER FOR FEMALE CONNECTOR

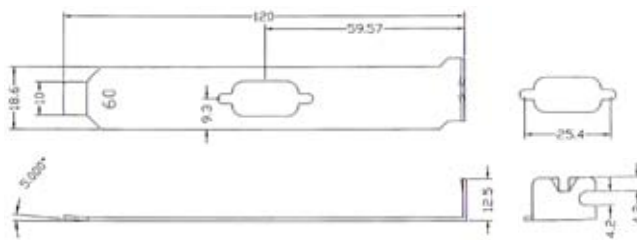
MATERIAL: PE WHITE

<u>TYPE</u>	<u>PART NO.</u>
DB9F	5324-09W
DB15F	5324-15W
DB25F	5324-25W
DB37F	5324-37W
DB50F	5324-50W
USB/A	5324-UBAB
USB/B	5324-UBBB

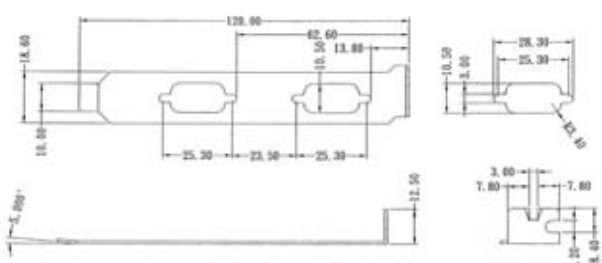
METAL BRACKET FOR D-SUB. CONNECTOR PROFILE = 120MM (STANDARD)



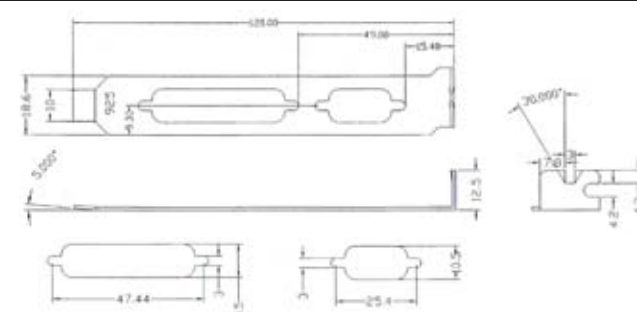
5359-00 (WITOUT HOLE)



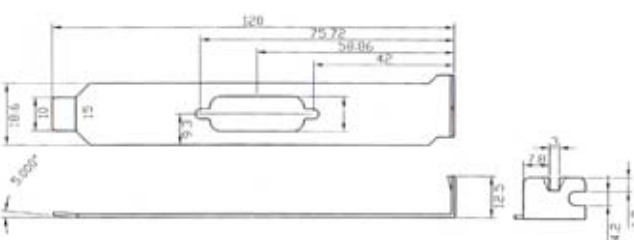
5359-09B (FOR 1*DB9)



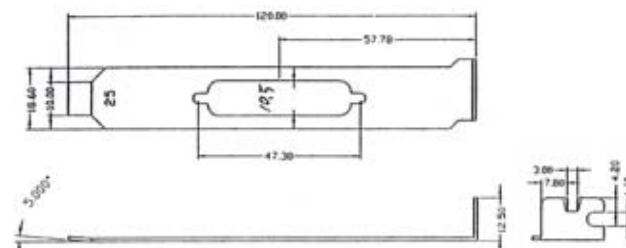
5359-0909 (FOR 2*DB9)



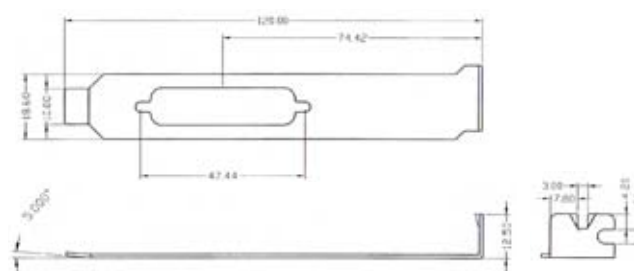
5359-0925 (FOR DB9 & DB25)



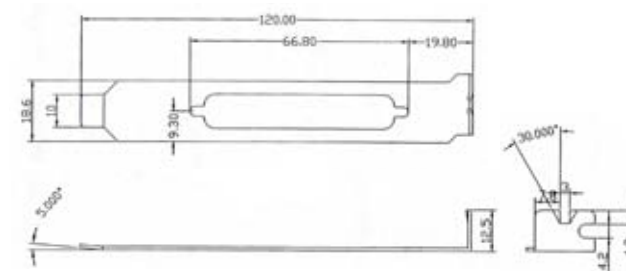
5359-15B (FOR 1*DB15)



5359-25B (FOR 1*DB25)



5359-25C (FOR 1*DB25)

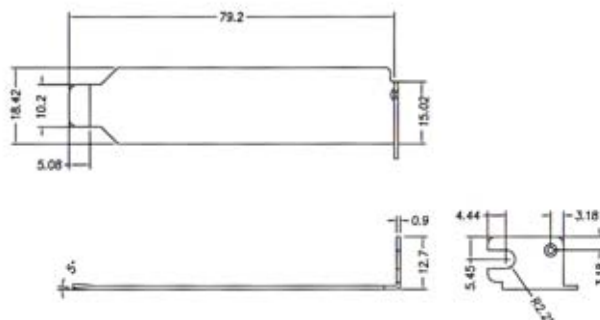


5359-37B (FOR 1*DB37)

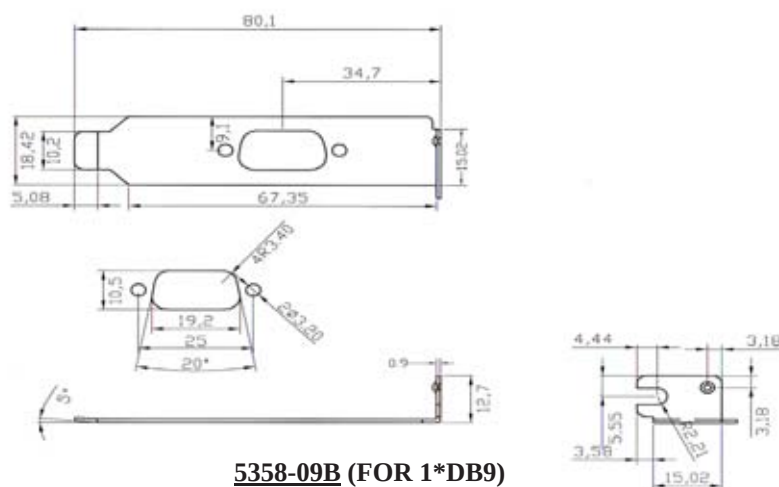
ORDERING INFORMATION:

P/N PLEASE SEE ABOVE!

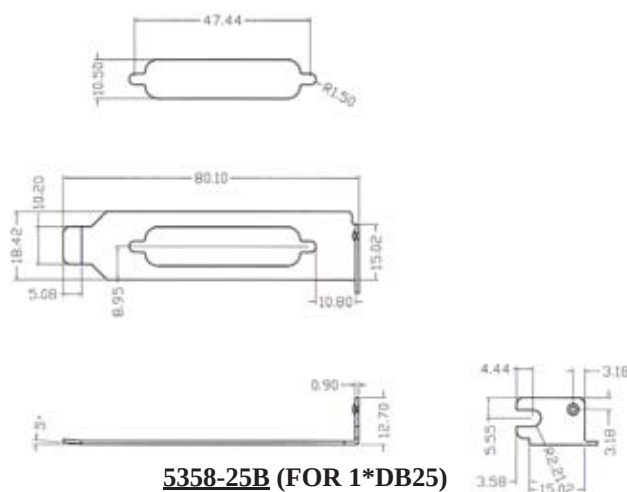
LOW PROFILE METAL BRACKET FOR D-SUB. CONNECTOR PROFILE = 80MM



5358-00 (WITHOUT HOLE)



5358-09B (FOR 1*DB9)



5358-25B (FOR 1*DB25)

ORDERING INFORMATION:

P/N PLEASE SEE ABOVE!

MATERIALS

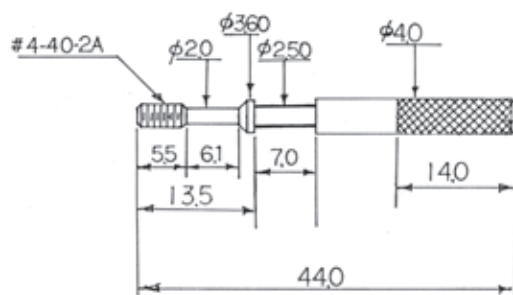
Hood: Steel Nickel Plated

Unit: mm

Tolerance: +/-0.2mm

***RoHS & REACH compliant.**

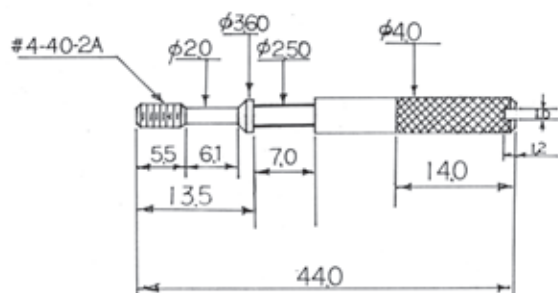
THUMB SCREWS FOR D-SUB. PLASTIC COVER



TS-4X44B

Material: Steel

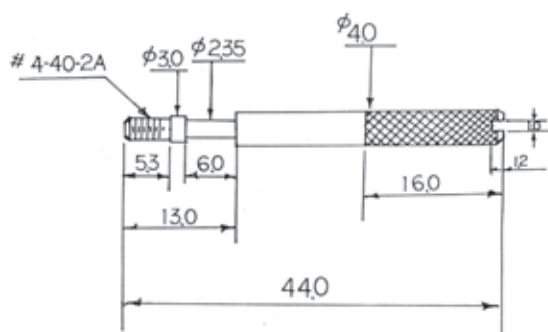
Finished: Nickel Plated



TS-4X44BS

Material: Steel

Finished: Nickel Plated



TS-4X44S

Material: Steel

Finished: Nickel Plated

ORDERING INFORMATION:

P/N T S - 4 X 4 4 B

THUMB SCREW Ø4.0MM x 44.0MM

P/N T S - 4 X 4 4 B S

THUMB SCREW Ø4.0MM x 44.0MM WITH SLOT

P/N T S - 4 X 4 4 S

THUMB SCREW Ø4.0MM x 44.0MM WITH SLOT