

I / O

Connectors

5-1 ~5-42 · I/O Conn.

5-43~5-45 · V.35

5-46~5-49 · DVI

5-50~5-53 · HDMI

5-54~5-61 · SIM CARD & BATTERY HOLDER

5-62~5-72 · RCA Jack & DC Jack & Earphone Jack

5-73~5-88 · SATA & ESATA

5-89~5-97 · BNC & TNC & SMA & SMB & MCX & MMCX



CONNECTORS MANUFACTURER

I/O Connector

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I/O Connector

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- 5-39 ▶ Centronic IDC Assembly Type Female 50pin
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- 5-40 ▶ Centronic IDC Assembly Type Female 50pin
- 5-41 ▶ Centronic IDC Type Male 50pin
- 5-42 ▶ Centronic IDC Type Male 50pin
- 5-42 ▶ Centronic IDC Type Female 50pin



D-SUB Type

MNHDBM MNHDBR MNDBM MNDBR (5-11,5-18)	 B Type	 C Type	 D Type		
HDBR DBRX (5-12,5-19)	 A Type	 B Type	 C Type	 D Type	
HDBS (5-13)	 A Type	 B Type	 C Type	 D Type	 E Type
HDBD (5-13)	 B Type	 C Type	 D Type	 E Type	 F Type
	 G Type				
HDBC DBC (5-14,5-22)	 A Type	 B Type	 C Type	 D Type	 E Type
HDBE DBE (5-14,5-22)	 B Type	 D Type	 F Type	 G Type	 I Type
WHDBR (5-15)	 B Type	 C Type	 D Type		
WHDBD (5-15)	 B Type	 C Type	 D Type		
WHDBS (5-16)	 B Type	 C Type	 D Type		



CONNECTORS MANUFACTURER

D-SUB Type

D-SUB Type



ROHS

MDBRX (5-16)	 A Type	 B Type	 C Type	 D Type	 E Type
DBS (5-20)	 A Type	 B Type	 C Type	 D Type	 E Type
MDBS (5-17)	 A Type	 B Type	 C Type	 D Type	 E Type
DBD (5-20)	 A Type	 B Type	 C Type	 D Type	 E Type
	 F Type	 G Type	 H Type	 I Type	
MDBD (5-17)	 A Type	 B Type	 C Type	 D Type	 E Type
DBDX (5-21)	 A Type	 B Type	 C Type	 D Type	
DBIX (5-23)	 A Type	 B Type	 C Type	 F Type	 G Type
WDBR (5-23)	 B Type	 C Type	 C Type	 D Type	
	 B Type	 C Type	 C Type	 D Type	
WDBS (5-24)	 B Type	 C Type	 C Type	 D Type	

COMMUNICATION MANUFACTURING

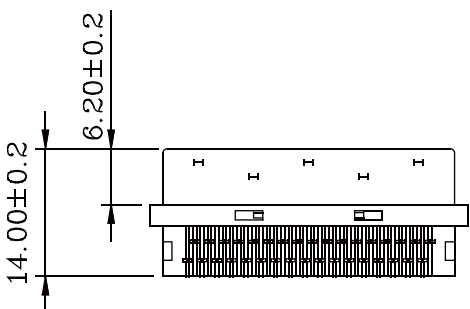
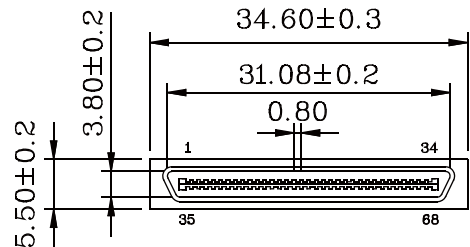
SCSI Centronic IDC Type With Hood

Specifications

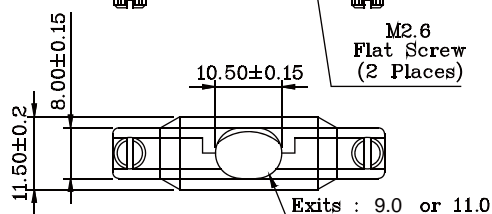
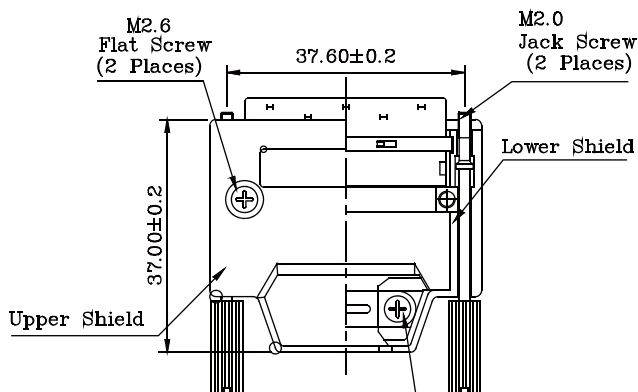
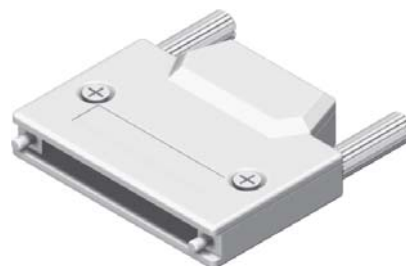
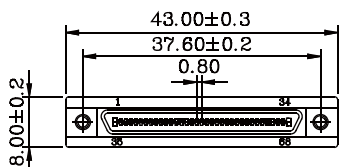
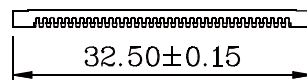
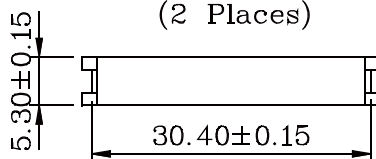
Current Rate: 1 AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 35mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy

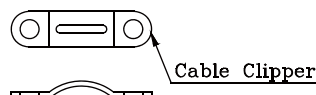
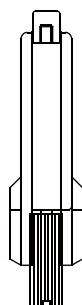


Termination Cover
(2 Places)

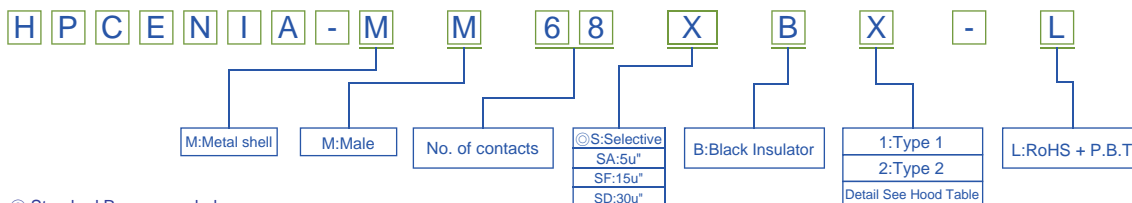


Hood Table

Type	Wire Holder	Entry Hold Size
1	0.61	∅0.90
2	0.68	∅0.90



Order Information



©: Standard Recommended



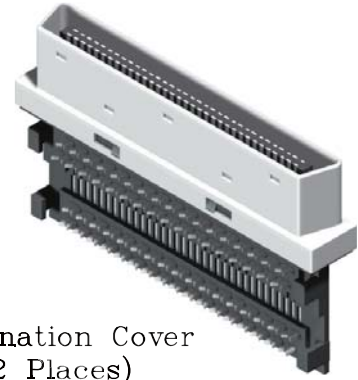
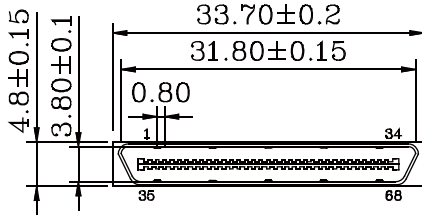
SCSI Centronic IDC Type With Hood

Specifications

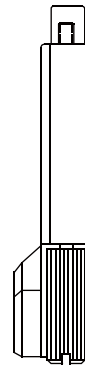
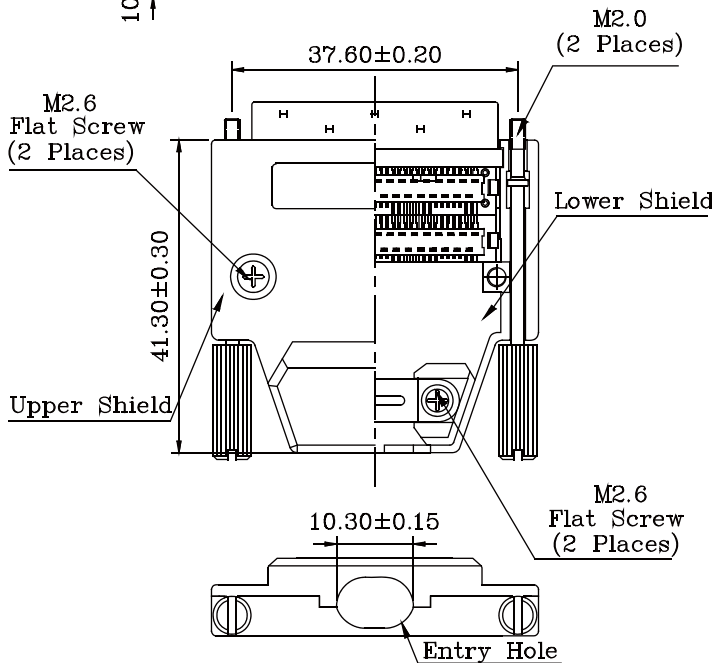
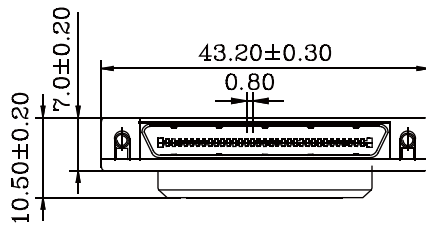
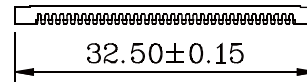
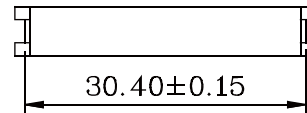
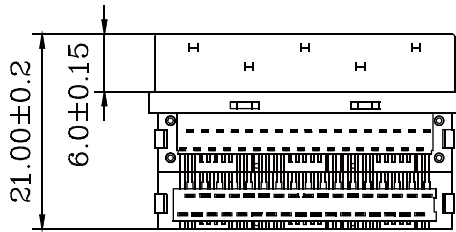
Current Rate: 1 AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 35mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 ©Standard: PBT
 Terminal: Copper Alloy

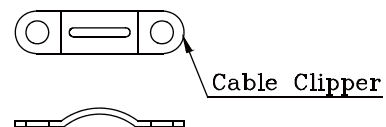


Termination Cover
(2 Places)

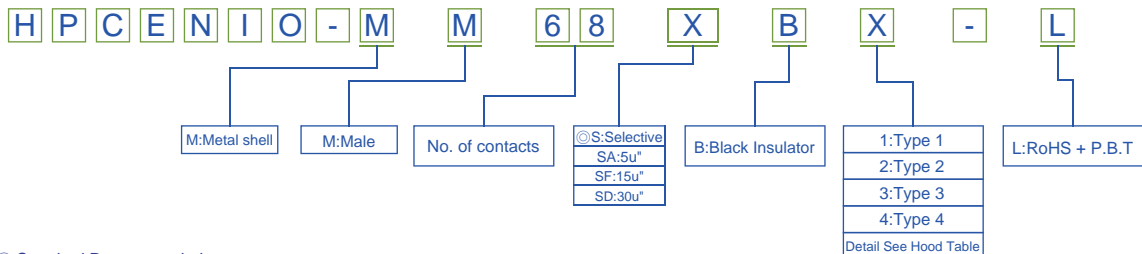


Hood Table

Type	Wire Holder	Entry Hold Size
1	0.61	∅0.85
2	0.68	∅0.85
3	0.61	∅10.50
4	0.68	∅10.50



Order Information



©: Standard Recommended

SCSI D-SUB

Pb ROHS

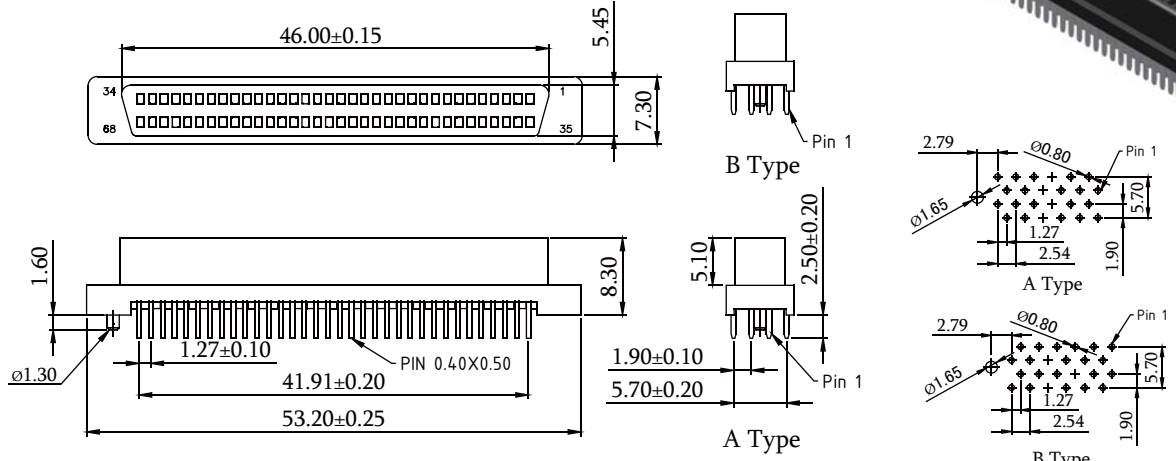
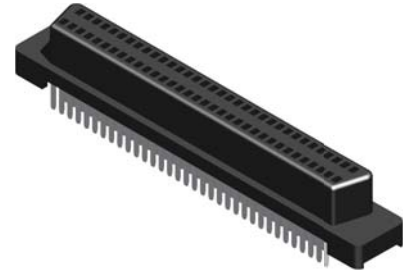
SCSI D-SUB DIP Type

Specifications

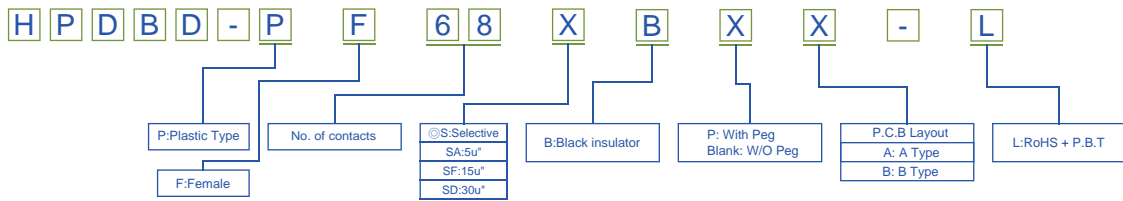
Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 300V AC for one minute
 Operation Temperature: -40°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Terminal: Phosphor Bronze



Order Information



©: Standard Recommended

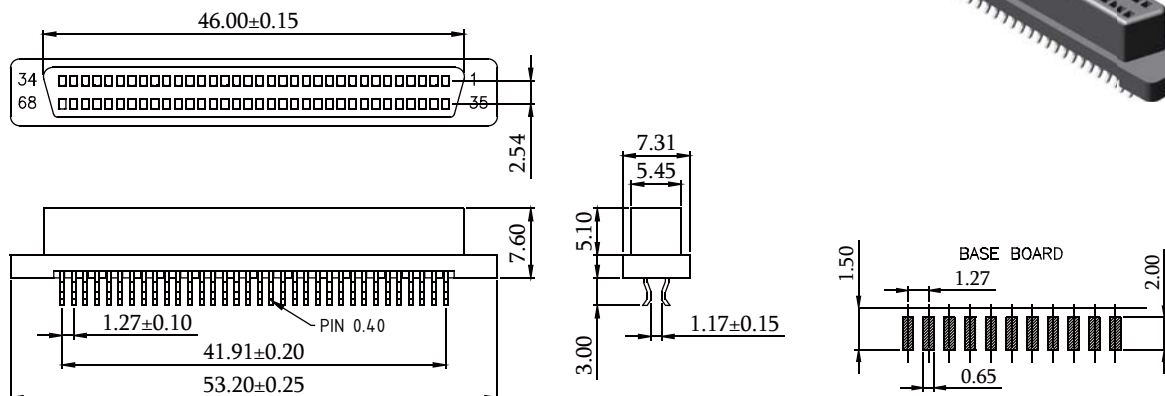
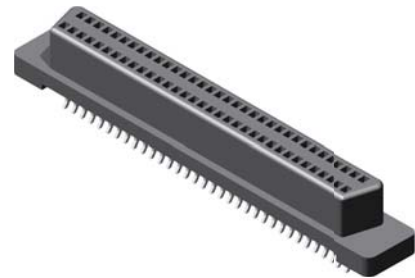
SCSI D-SUB Straddle Type

Specifications

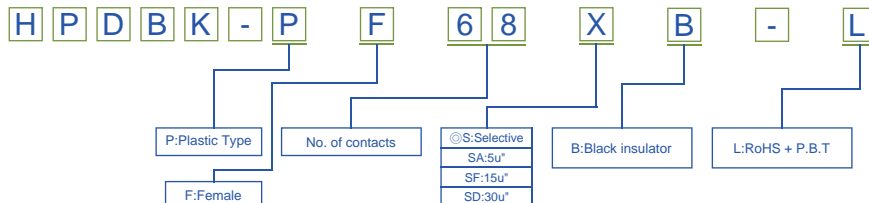
Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 300V AC for one minute
 Operation Temperature: -40°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Terminal: Phosphor Bronze



Order Information



©: Standard Recommended



SCSI D-SUB Right Angle Type

Specifications

Current Rate:1 AMP

Insulation Resistance:500MΩ Min.

Contact Resistance:35mΩ Max.

Dielectric Voltage:500V AC for one minute

Operation Temperature:-55°C to +105°C

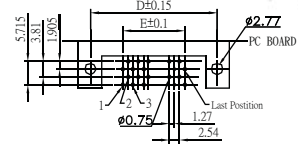
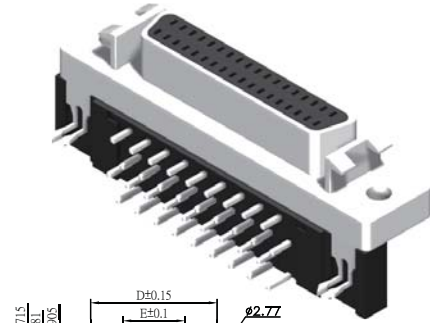
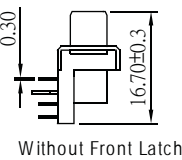
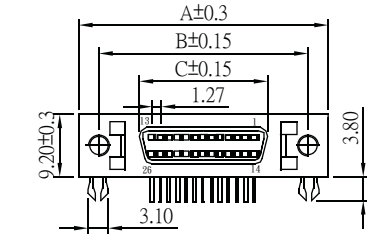
Material

Insulator:Polyester,UL 94V-0

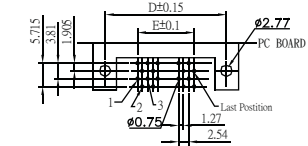
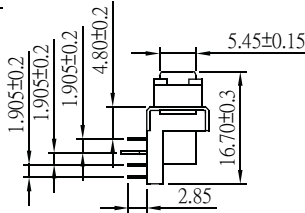
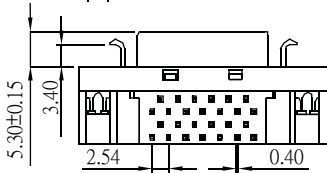
©Standard:PBTP

Terminal:Copper Alloy

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
26	37.19	31.26	19.45	31.26	15.24
50	52.43	46.50	34.70	46.50	30.48
68	63.86	57.93	46.13	57.93	41.91

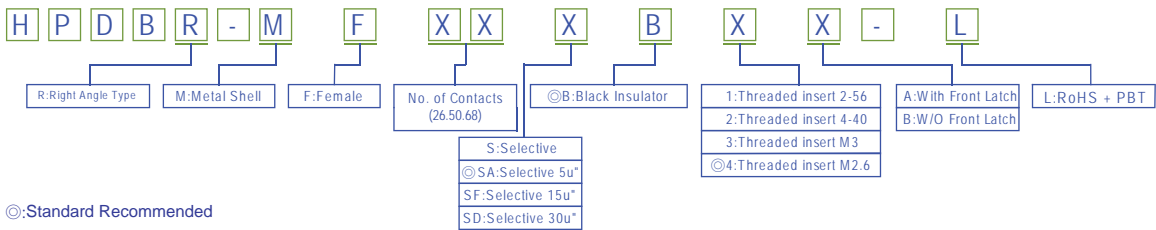


Recommended PCB Layout 26.50P
(PCB TOLERANCE ±0.05)



Recommended PCB Layout 68P
(PCB TOLERANCE ±0.05)

Order Information



SCSI D-SUB Dual Port Right Angle Type

Specifications

Current Rate:1 AMP

Insulation Resistance:1000MΩ Min.

Contact Resistance:35mΩ Max.

Dielectric Voltage: 500V AC for one minute

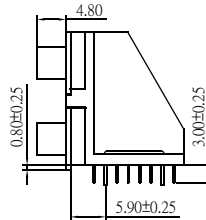
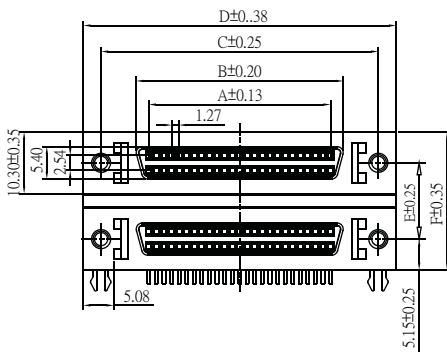
Operation Temperature:-55°C to +85°C

Material

Terminal:Copper Alloy

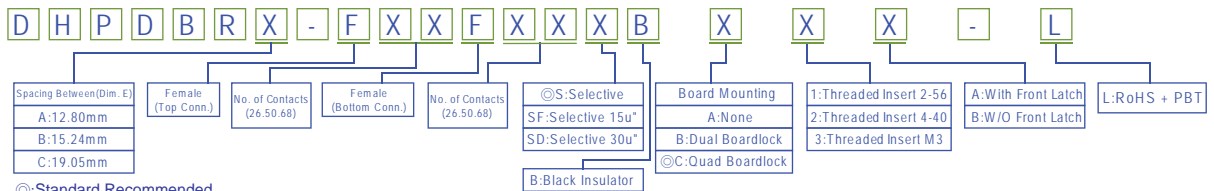
©Insulator: PBT UL 94V-0 Rated.

Bracket:Zinc Alloy,Grade 3



No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F
26	15.24	19.46	31.24	37.21	12.80	23.10
50	30.48	34.70	46.48	52.45	15.24	25.45
68	41.91	46.13	57.91	63.88	19.05	29.35

Order Information



SCSI D-SUB

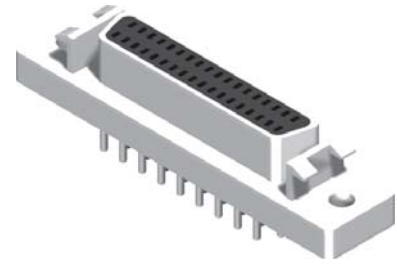
Pb

ROHS

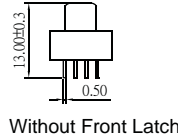
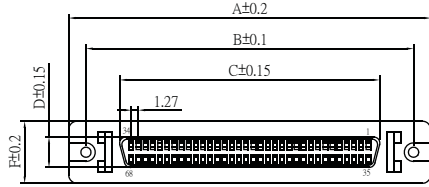
SCSI D-SUB Straight Dip Type

Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 35mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

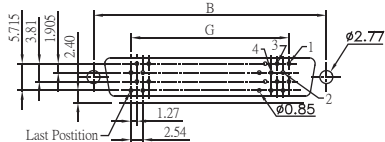
Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



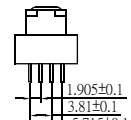
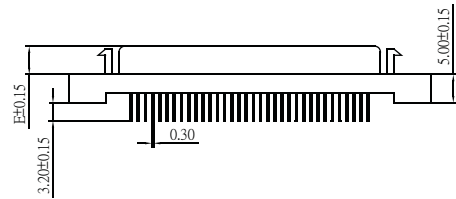
No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G
26	37.20	31.20	19.50	5.55	4.75	10.90	15.24
50	52.60	46.80	34.70	5.55	4.75	10.90	21.59
68	64.00	57.90	46.00	5.45	4.75	11.00	41.91



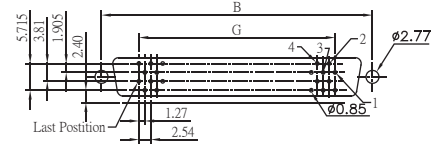
Without Front Latch



Recommended PCB Layout 26.50P
(PCB TOLERANCE ±0.05)

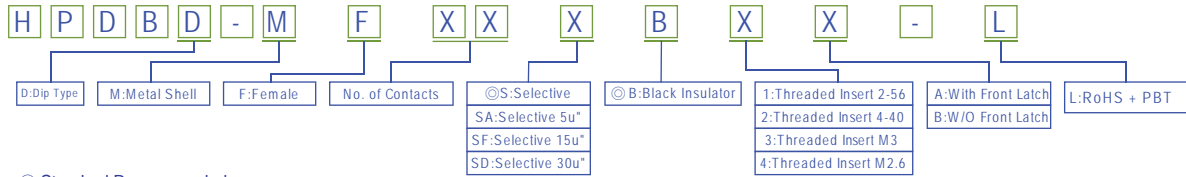


With Front Latch



Recommended PCB Layout 68P
(PCB TOLERANCE ±0.05)

Order Information

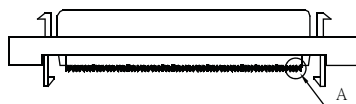
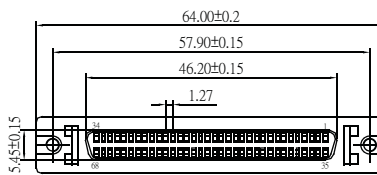
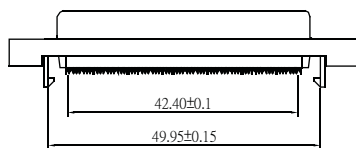


Standard Recommended

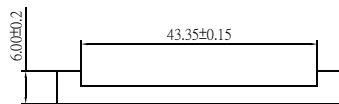
SCSI D-SUB IDC Female Type

Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 35mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

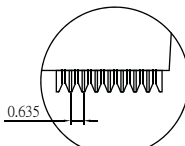
Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



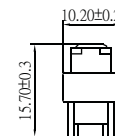
Without Front Latch



Cover

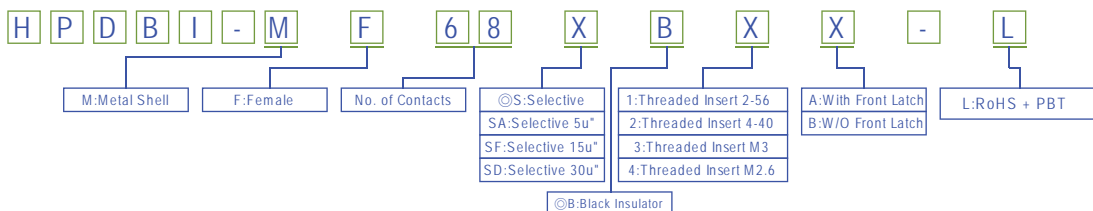


View A



With Front Latch

Order Information





SCSI D-SUB IDC Male Plastic Type

Specifications

Current Rate: 1 AMP

Insulation Resistance: 1000MΩ Min.

Contact Resistance: 35mΩ Max.

Dielectric Voltage: 500V AC for one minute

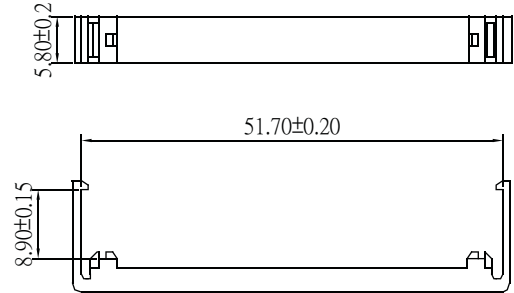
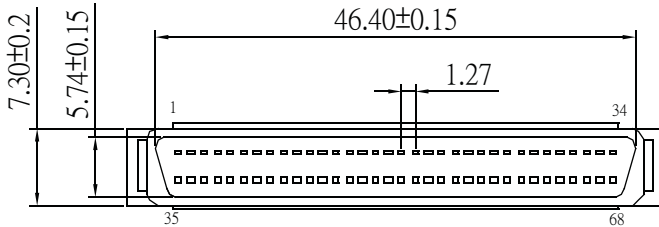
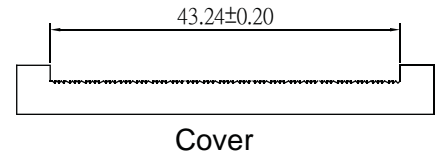
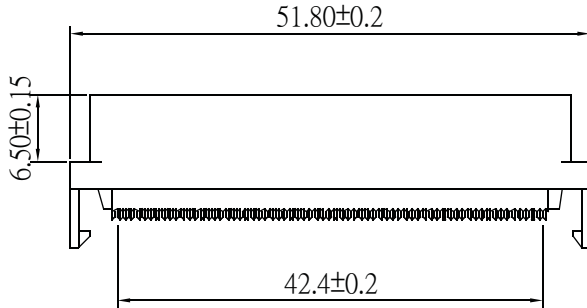
Operation Temperature: -55°C to +105°C

Material

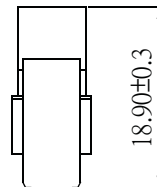
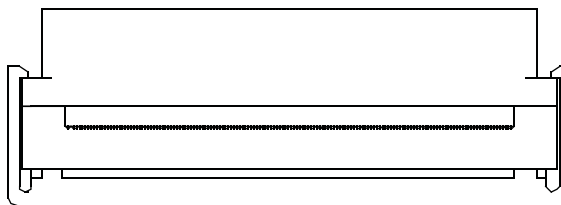
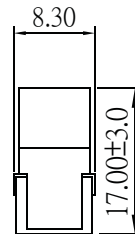
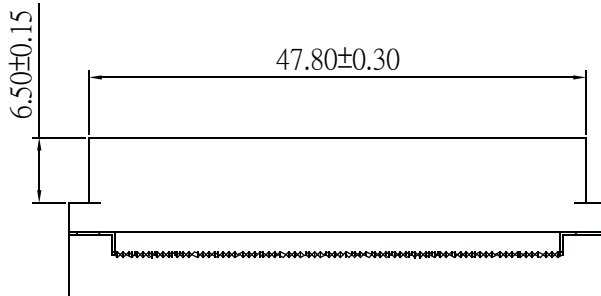
Insulator: Polyester, UL 94V-0

Standard: PBT

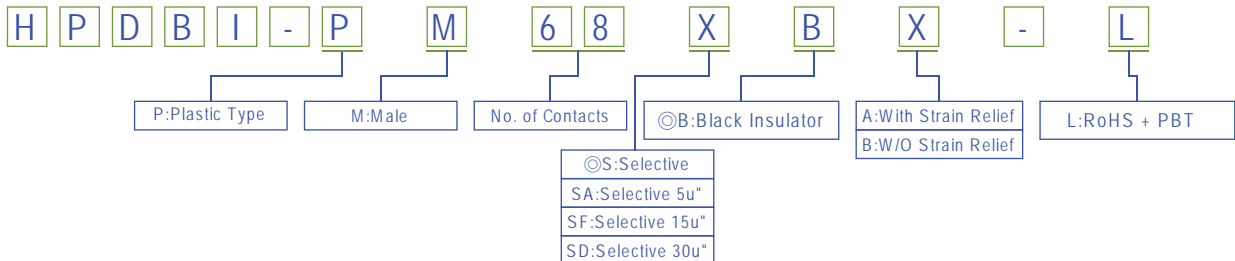
Terminal: Copper Alloy



Strain Relief



Order Information



S CSI D-SUB



ROHS

AMTEK CONNECTOR MANUFACTURER

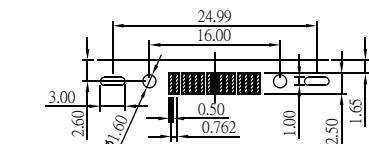
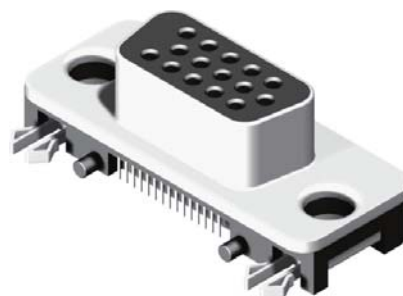
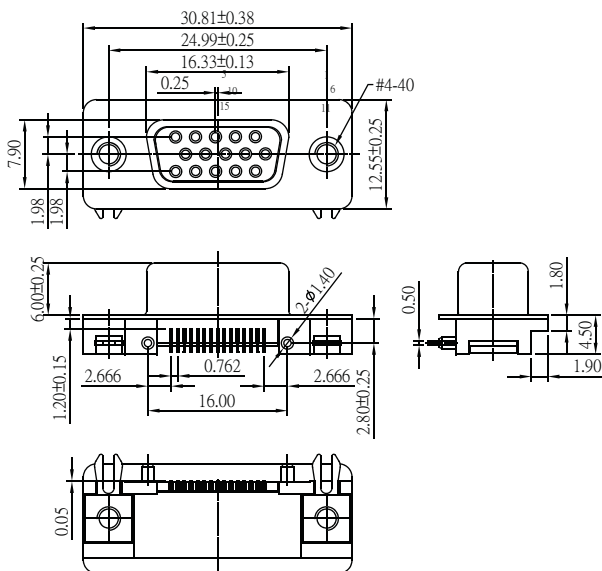
D-SUB H.D. Slim SMT Type

Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 25mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 Standard: Nylon 6T
 Terminal: Copper Alloy



Pin Number :
 6 11 17 12 2 8 13 3 9 14 4 10 15 5

Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

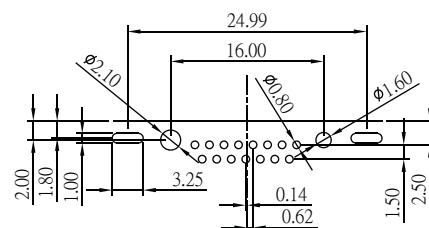
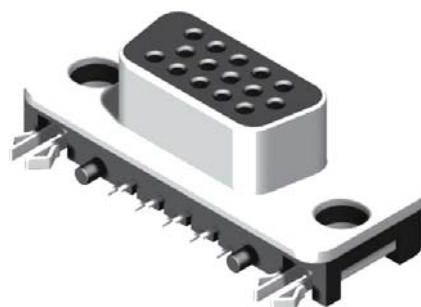
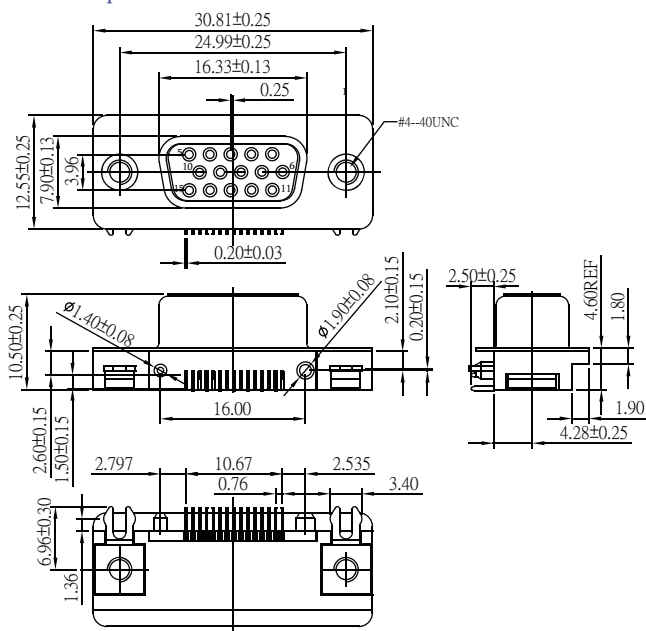
D-SUB H.D. Slim Right Angle Type

Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 25mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

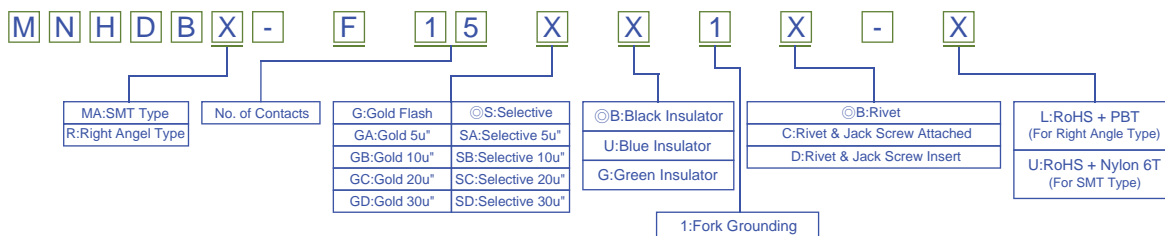
Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



Pin Number : 6 11 2 8 13 4 10 15
 1 7 12 3 9 14 5

Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

ORDER INFORMATION



D-SUB H.D. Right Angle Type

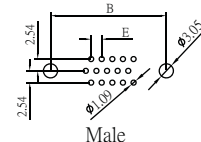
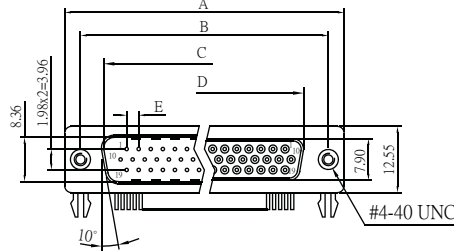
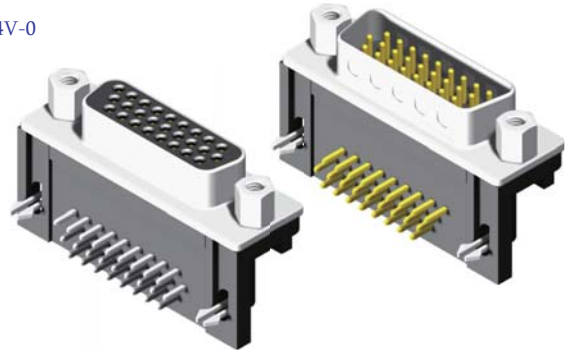
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

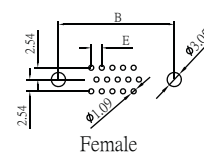
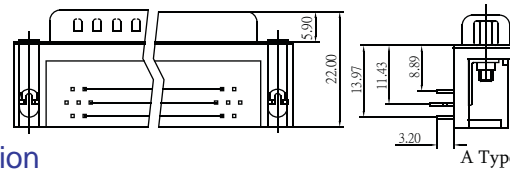
Material

Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
15	30.81	24.99	16.92	16.33	2.29
26	39.14	33.32	25.50	24.66	2.29
44	53.04	47.04	38.96	38.38	2.29
62	69.32	63.50	55.42	54.84	2.41

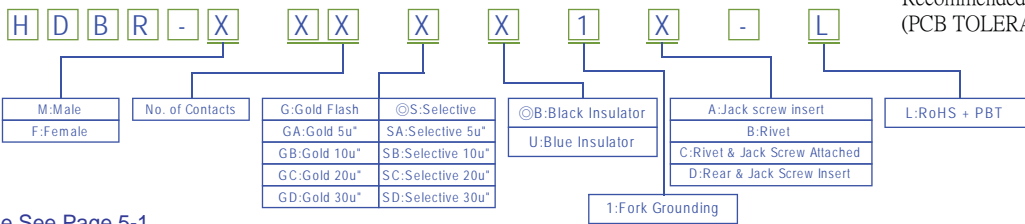


Male



Female

Order Information



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

Type See Page 5-1

D-SUB H.D. Dual Port Right Angle Type

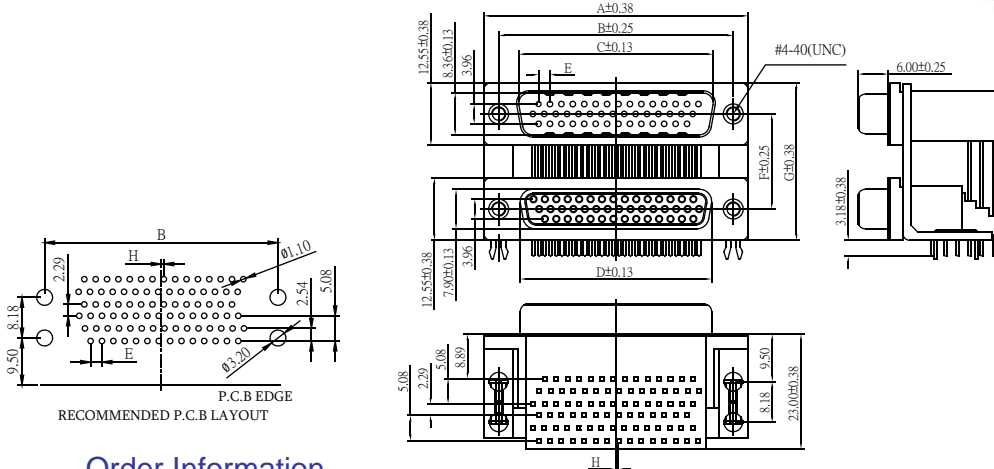
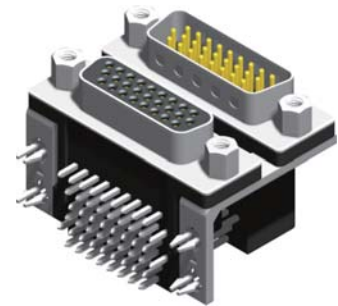
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

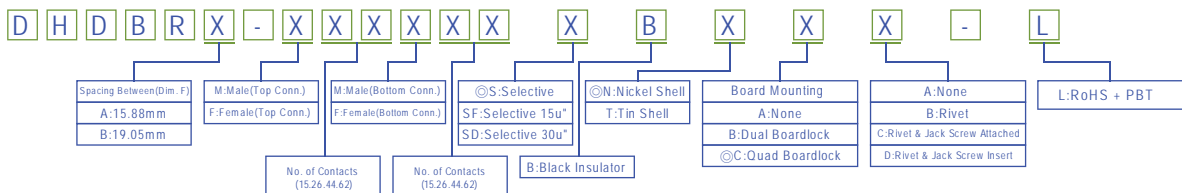
Terminal: Copper Alloy.
 © Insulator: PBT UL 94V-0 Rated.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. H
15	30.81	24.99	16.92	16.33	2.29	15.88	28.40	0.25
26	39.14	33.32	25.50	24.66	2.29			0.51
44	53.04	47.04	38.96	38.38	2.29			0.51
62	69.32	63.50	55.42	54.84	2.41	19.08	31.60	0.58



RECOMMENDED P.C.B LAYOUT

Order Information



© Standard Recommended

D-SUB High Density

ROHS

D-SUB H.D. Solder Type

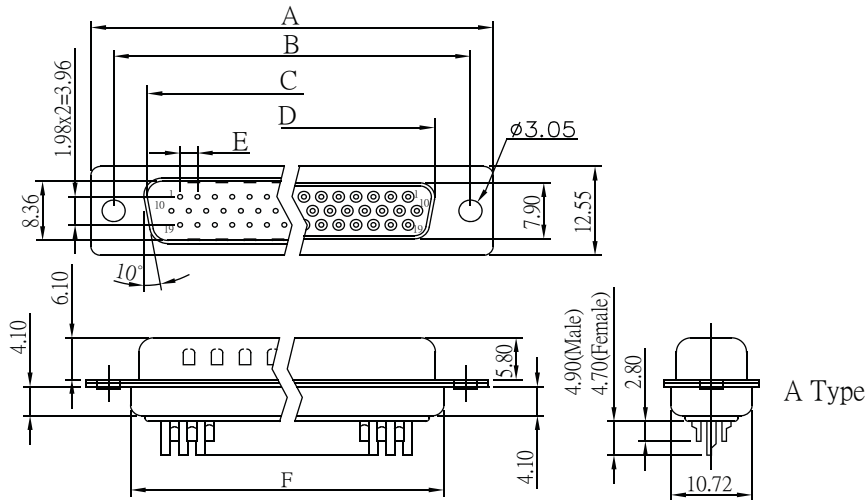
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F
15	30.81	24.99	16.92	16.33	2.29	19.20
26	39.14	33.32	25.50	24.66	2.29	27.70
44	53.04	47.04	38.96	38.38	2.29	41.10
62	69.32	63.50	55.42	54.84	2.41	57.30



D-SUB H.D Straight Dip Type

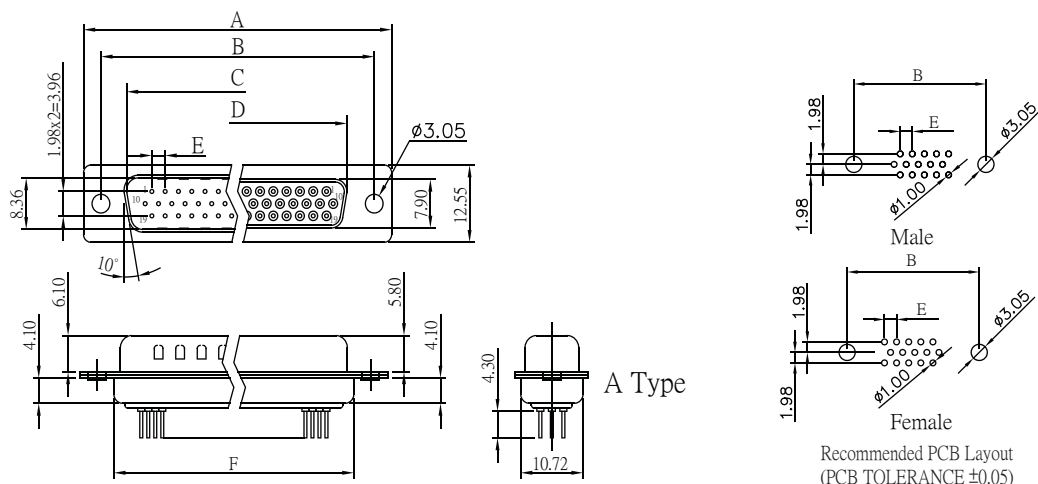
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

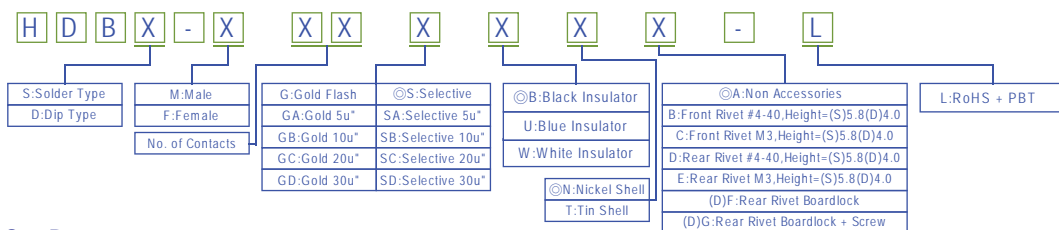
Material

Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F
15	30.81	24.99	16.92	16.33	2.29	19.20
26	39.14	33.32	25.50	24.66	2.29	27.70
44	53.04	47.04	38.96	38.38	2.29	41.10
62	69.32	63.50	55.42	54.84	2.41	57.30



ORDER INFORMATION



Type See Page 5-1

D-SUB H.D Crimp Type

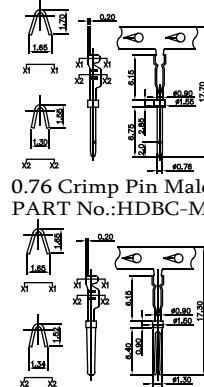
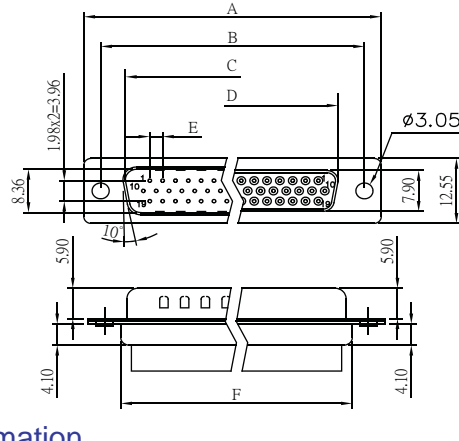
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy

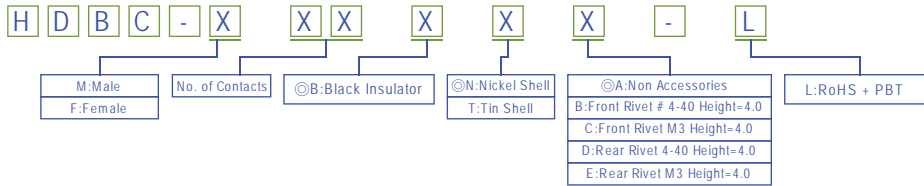
No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F
15	30.81	24.99	16.92	16.33	2.29	19.20
26	39.14	33.32	25.50	24.66	2.29	27.70
44	53.04	47.04	38.96	38.38	2.29	41.10
62	69.32	63.50	55.42	54.84	2.41	57.30



0.76 Crimp Pin Male
PART No.: HDBC-MT-L

0.76 Crimp Pin Female
PART No.: HDBC-FT-L

Order Information



D-SUB H.D. Elevated Dip Type

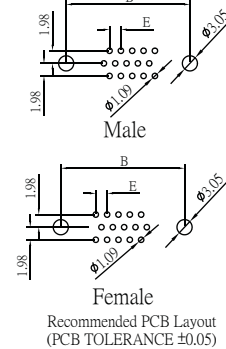
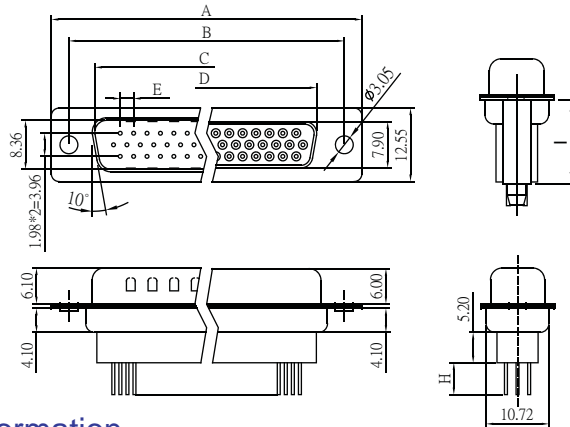
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

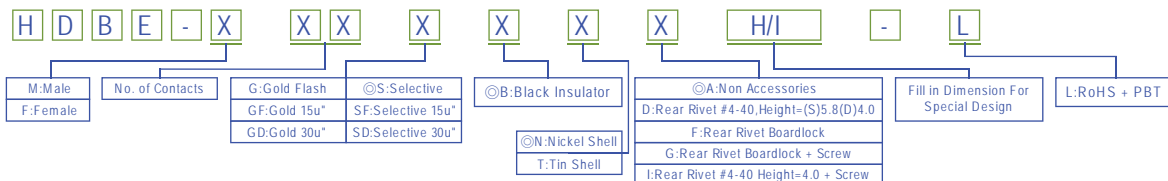
Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. H	Dim. I
15	30.81	24.99	16.92	19.20	2.29	3.60	9.60
26	39.14	33.32	25.50	27.70	2.29	5.40	11.10
44	53.04	47.04	38.96	41.10	2.29	7.20	12.10
62	69.32	63.50	55.42	57.30	2.41	7.20	12.10



Male
Female
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

Order Information



Type See Page 5-1

Waterproof D-SUB H.D. Right Angle Type

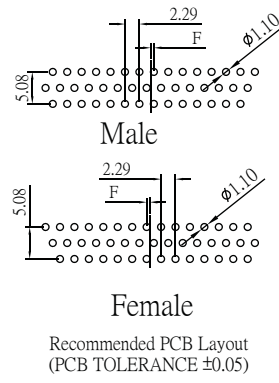
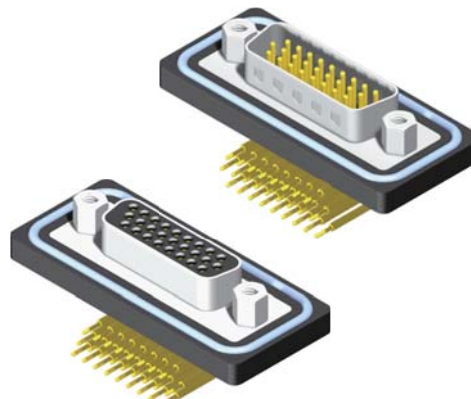
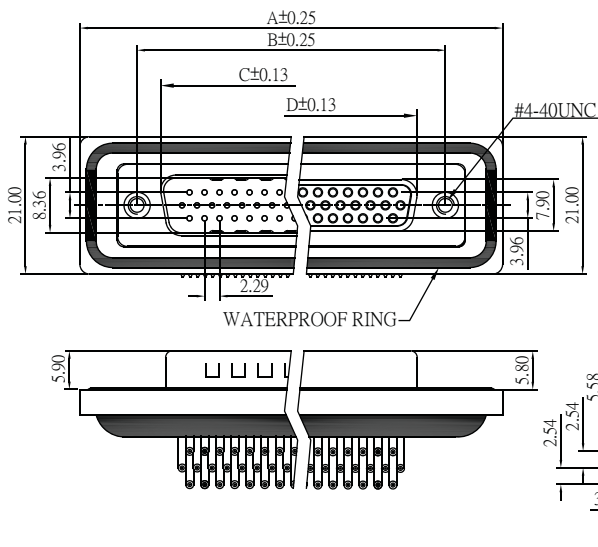
Specifications

Current Rate: 5 AMP
 Insulation Resistance: 5000MΩ Min.
 Contact Resistance: 10mΩ Max.
 Dielectric Voltage: AC 300V / 50Hz
 Operation Temperature: -55°C to +85°C

Material

Terminal: Copper Alloy.
 Insulator: PBT

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. F
15	39.40	24.99	16.92	16.33	0.25
26	47.70	33.30	25.25	24.66	0.51
44	64.50	47.04	38.96	38.38	0.51



Waterproof D-SUB H.D. Dip Type

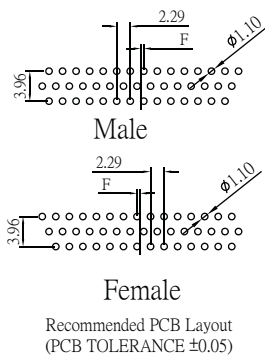
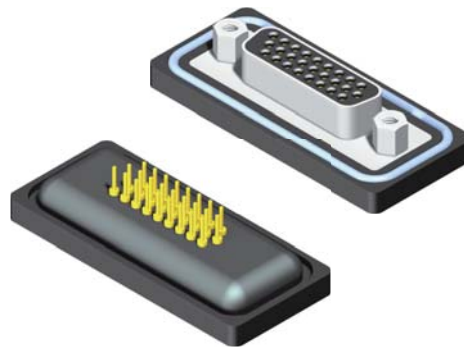
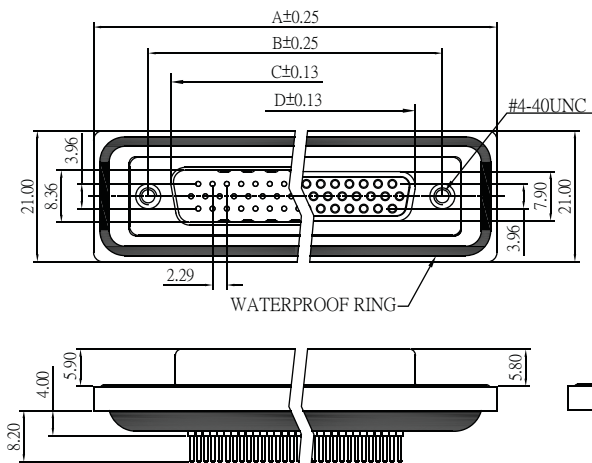
Specifications

Current Rate: 5 AMP
 Insulation Resistance: 5000MΩ Min.
 Contact Resistance: 10mΩ Max.
 Dielectric Voltage: AC 300V / 50Hz
 Operation Temperature: -55°C to +85°C

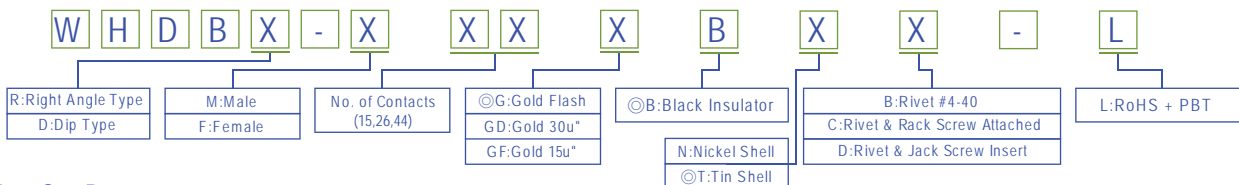
Material

Terminal: Copper Alloy.
 Insulator: PBT

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. F
15	39.40	24.99	16.92	16.33	0.25
26	47.70	33.30	25.25	24.66	0.51
44	64.50	47.04	38.96	38.38	0.51



ORDER INFORMATION



Type See Page 5-1

Waterproof D-SUB H.D. Solder Type

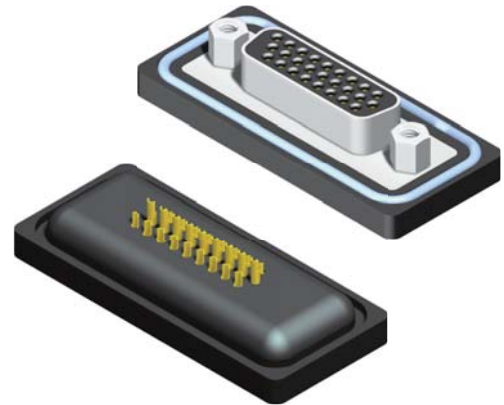
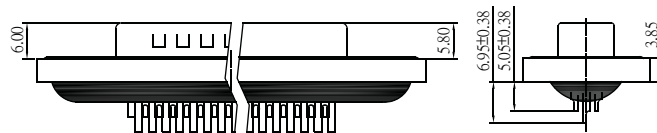
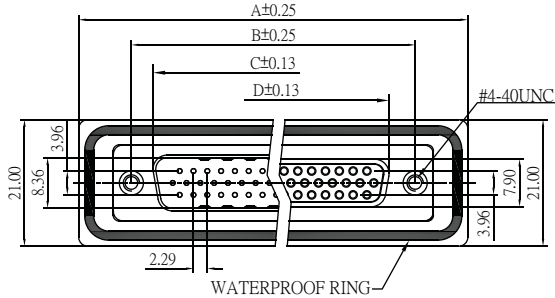
Specifications

Current Rate: 5 AMP
 Insulation Resistance: 5000MΩ Min.
 Contact Resistance: 10mΩ Max.
 Dielectric Voltage: AC 300V /ram 50Hz
 Operation Temperature: -55°C to +85°C

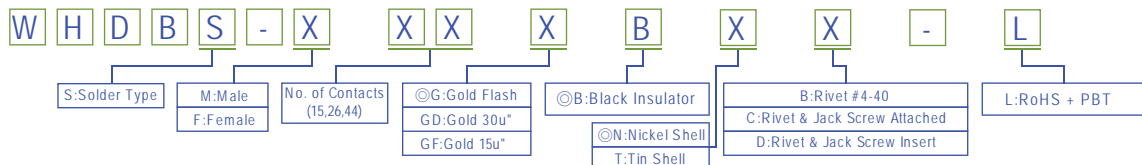
Material

Terminal: Copper Alloy.
 Insulator: PBT

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
15	39.40	24.99	16.92	16.33
26	47.70	33.30	25.25	24.66
44	64.50	47.04	38.96	38.38



Order Information



Type See Page 5-1

D-SUB Machine Pin Right Angle Type

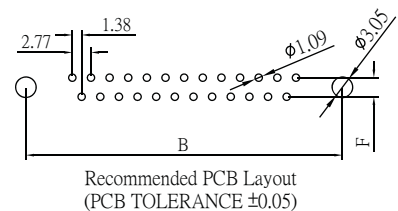
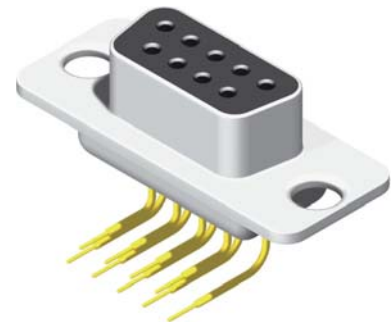
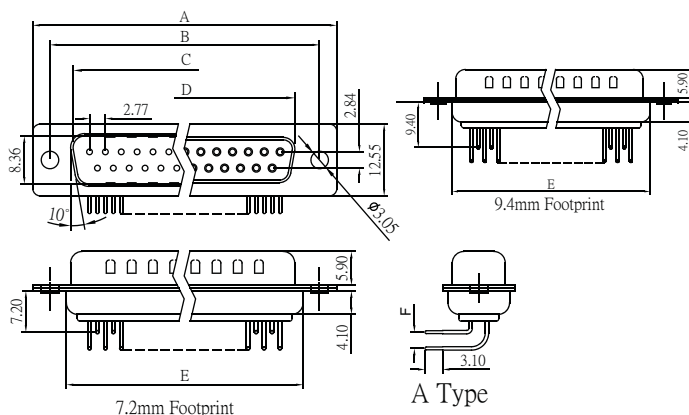
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

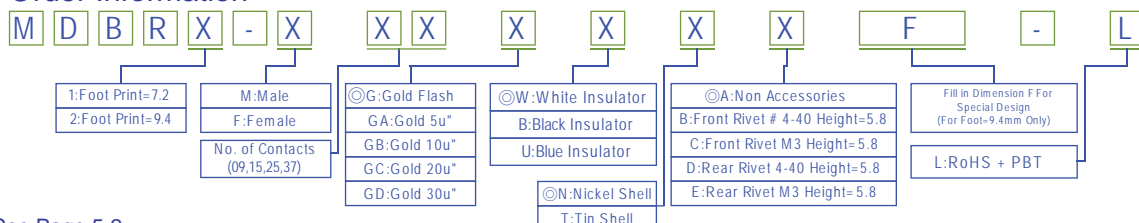
Material

Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim F
9	30.81	24.99	16.33	11.08	19.20	2.54
15	39.14	33.32	24.66	19.39	27.70	2.54
25	53.04	47.04	38.38	33.24	41.10	2.84
37	69.32	63.50	54.84	49.86	57.30	2.84



Order Information



Type See Page 5-2

D-SUB High Density



ROHS

D-SUB Machine Pin Solder Type

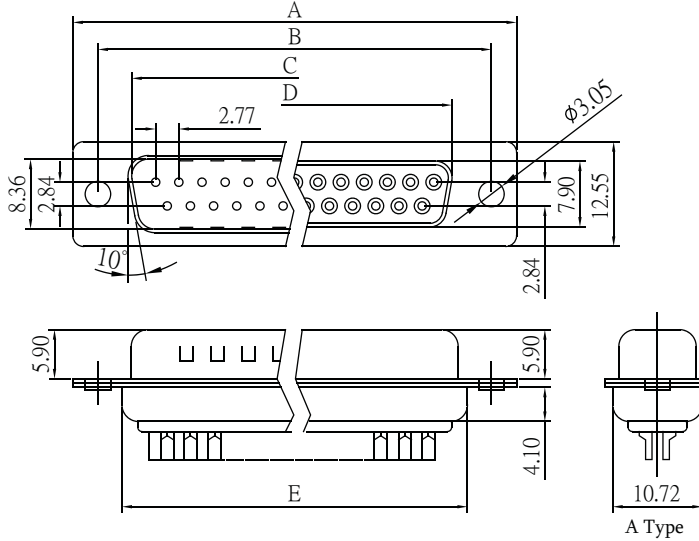
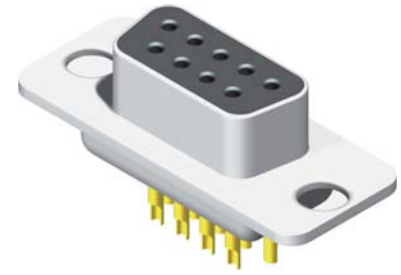
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
9	30.81	24.99	16.92	16.33	19.20
15	39.14	33.32	25.50	24.66	27.70
25	53.04	47.04	38.96	38.38	41.10
37	69.32	63.50	55.42	54.84	57.30



D-SUB Machine Pin Dip Type

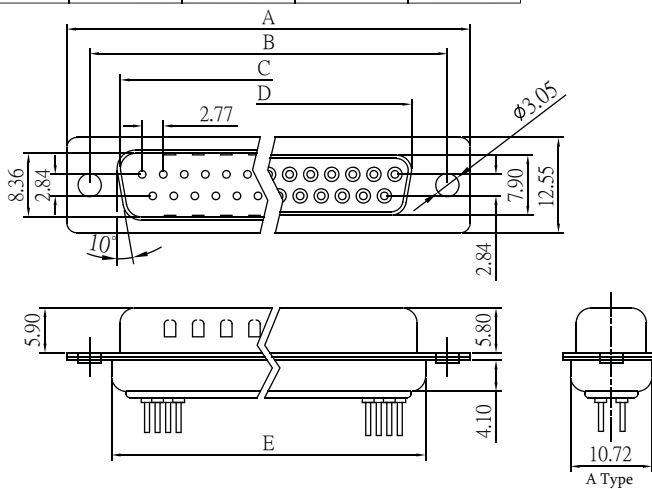
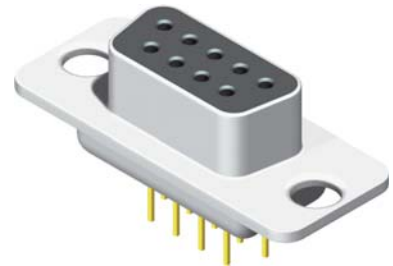
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

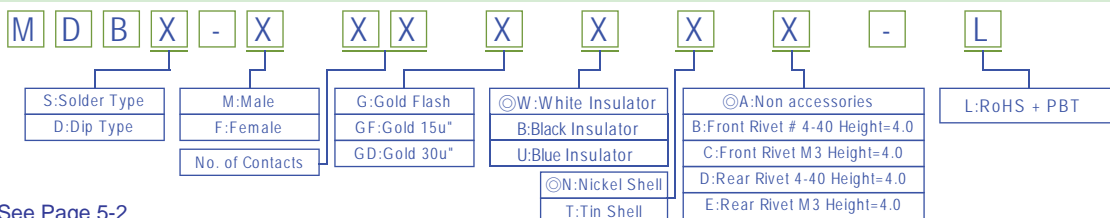
Material

Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
9	30.81	24.99	16.92	16.33	19.20
15	39.14	33.32	25.50	24.66	27.70
25	53.04	47.04	38.96	38.38	41.10
37	69.32	63.50	55.42	54.84	57.30



ORDER INFORMATION



Type See Page 5-2



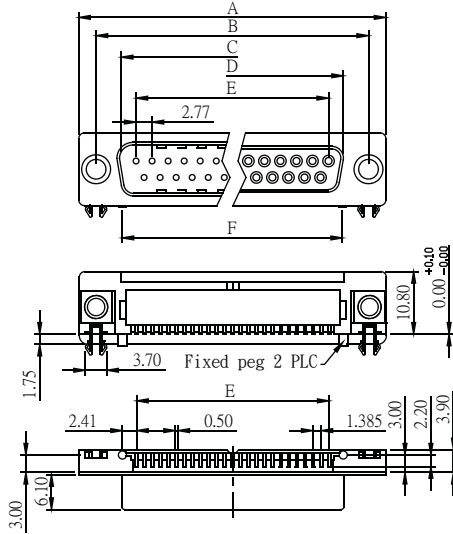
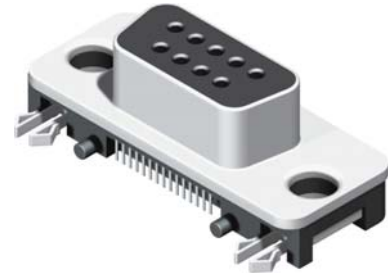
D-SUB Slim SMT Right Angle Type

Specifications

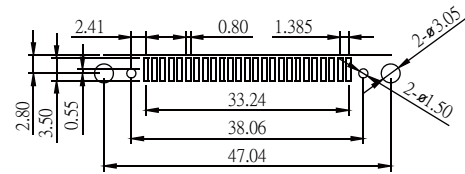
Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 © Standard: Nylon 6T
 Terminal: Copper Alloy



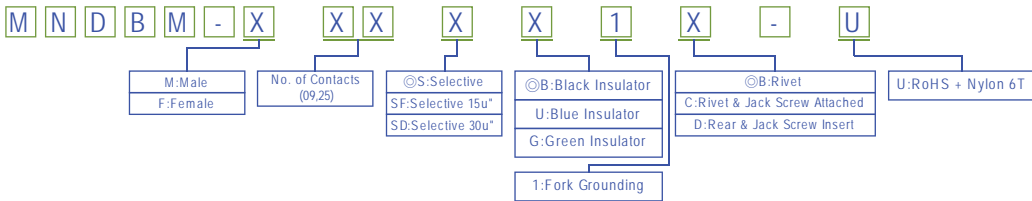
No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F
9	30.81	24.99	16.92	16.33	11.08	15.90
25	53.04	47.04	38.96	38.38	33.24	38.06



Pin Number : 1 14 2 15 3 16 4 17 5 18 6 19 7 20 8 21 9 22 10 23 11 24 12 25 13

Recommended 25PIN PCB Layout

Order Information



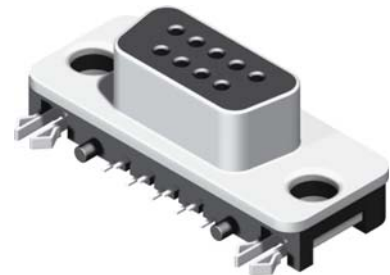
D-SUB Slim Right Angle Type

Specifications

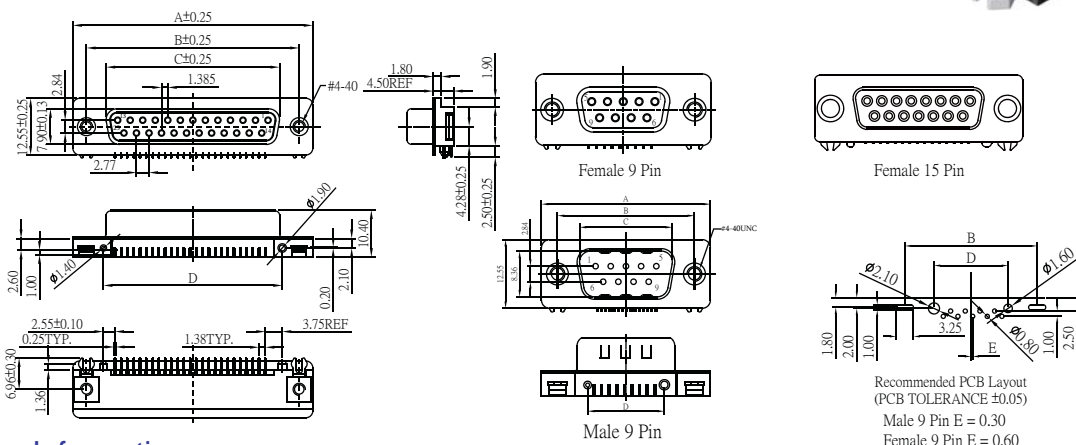
Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy

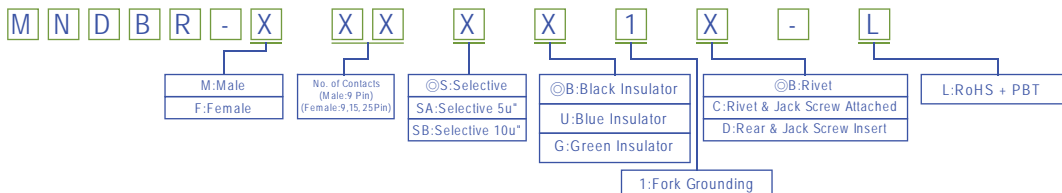


No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
9(Male)	30.81	24.99	16.92	14.00	0.30
9(Female)	30.81	24.99	16.33	16.00	0.60
15	39.14	33.32	24.66	25.64	0.60
25	53.04	47.04	38.38	39.54	0.60



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)
 Male 9 Pin E = 0.30
 Female 9 Pin E = 0.60

Order Information



Type See Page 5-1

D-SUB Comm. Series

RoHS

D-SUB Right Angle Type

Specifications

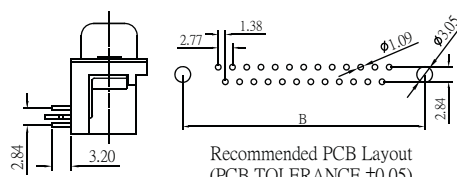
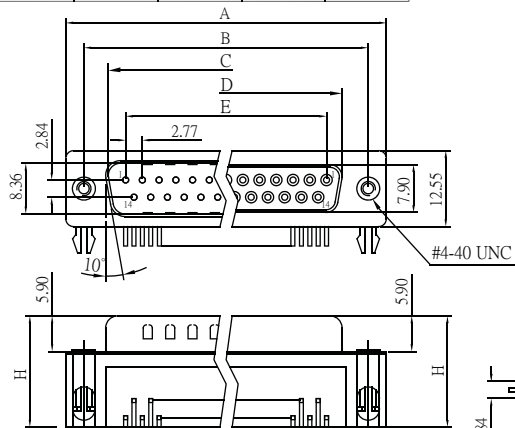
Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 © Standard: PBT
 Terminal: Copper Alloy.



No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. H
9	30.81	24.99	16.92	16.33	11.08	18.40 (DBR1)
15	39.14	33.32	25.50	24.66	19.39	20.70 (DBR2)
25	53.04	47.04	38.96	38.38	33.24	25.30 (DBR3)
37	69.32	63.50	55.42	54.84	49.86	



Order Information

D B R X - X X X X 1 X - L

- D**: 1:Foot Print=7.2, 2:Foot Print=9.4, 3:Foot Print=13.84
- B**: M:Male, F:Female
- R**: No. of Contacts (09,15,25,37)
- X**: G:Gold Flash, GA:Gold 5u*, GB:Gold 10u*, GC:Gold 20u*, GD:Gold 30u*
- X**: ©S.Selective, SA:Selective 5u*, SB:Selective 10u*, SC:Selective 20u*, SD:Selective 30u*
- 1**: ©B:Black Insulator, U:Blue Insulator, W:White Insulator
- X**: 1:Fork Grounding
- : A:Jack Screw Insert, B:Rivet, C:Rivet & Jack Screw Attached, D:Rear & Jack Screw Insert
- L**: L:RoHS + PBT

Type See Page 5-1

D-SUB Dual Port Right Angle Type

Specifications

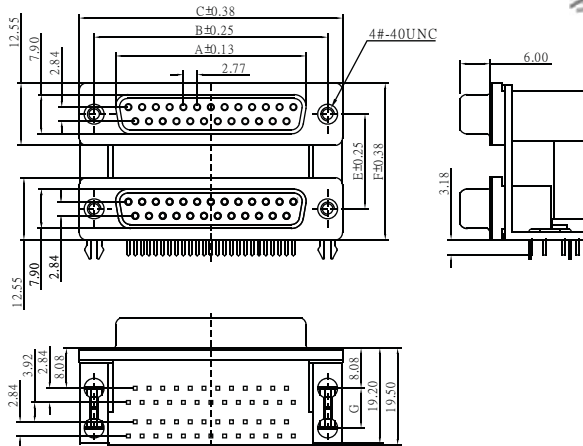
Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Terminal: Copper Alloy.
 © Insulator: PBT, UL 94V-0



No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. E	Dim. F	Dim. G
9	16.33	24.99	30.81	15.88	28.40	7.00
15	24.66	33.32	39.14	19.05	31.60	
25	38.38	47.04	53.04	22.86	35.40	
37	54.84	63.54	69.32			8.00



Order Information

D D B R X - X X X X X X X B X X X - L

- D**: Spacing Between (Dim. E)
A: 15.88mm, B: 19.05mm, C: 22.86mm
- D**: M:Male (Top Conn.), F:Female (Top Conn.)
- B**: M:Male (Bottom Conn.), F:Female (Bottom Conn.)
- R**: No. of Contacts (09,15,25,37)
- X**: ©S.Selective, SF:Selective 15u*, SD:Selective 30u*
- X**: B:Black Insulator
- X**: ©N:Nickel Shell, T:Tin Shell
- X**: Board Mounting (Dim G)
A:None, B: Dual Boardlock (8.0mm), C: Quad Boardlock (8.0mm), D: Dual Boardlock (7.0mm), E: Quad Boardlock (7.0mm)
- X**: A:None, B:Rivet, C:Rivet & Jack Screw Attached, D:Rivet & Jack Screw Insert
- : L:RoHS + PBT



D-SUB Solder Type

Specifications

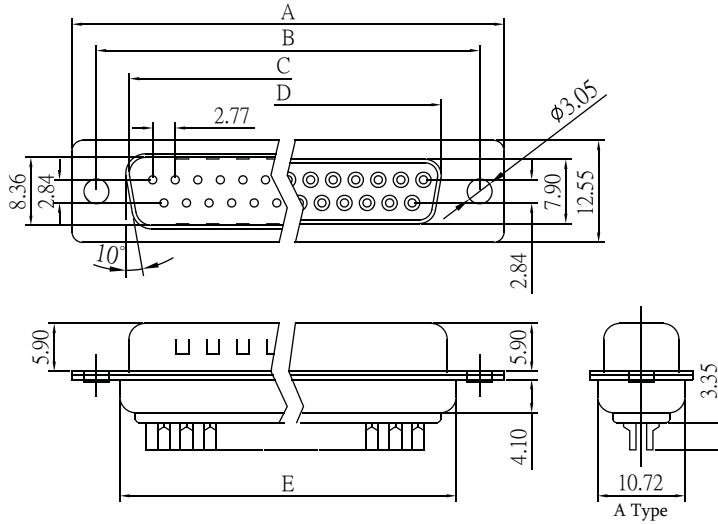
Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
9	30.81	24.99	16.92	16.33	19.20
15	39.14	33.32	25.50	24.66	27.70
25	53.04	47.04	38.96	38.38	41.10
37	69.32	63.50	55.42	54.84	57.30



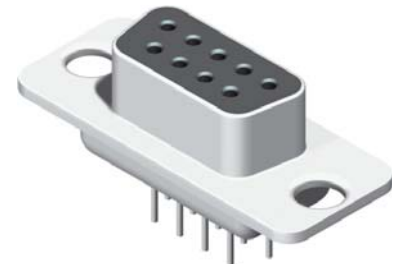
D-SUB Straight Dip Type

Specifications

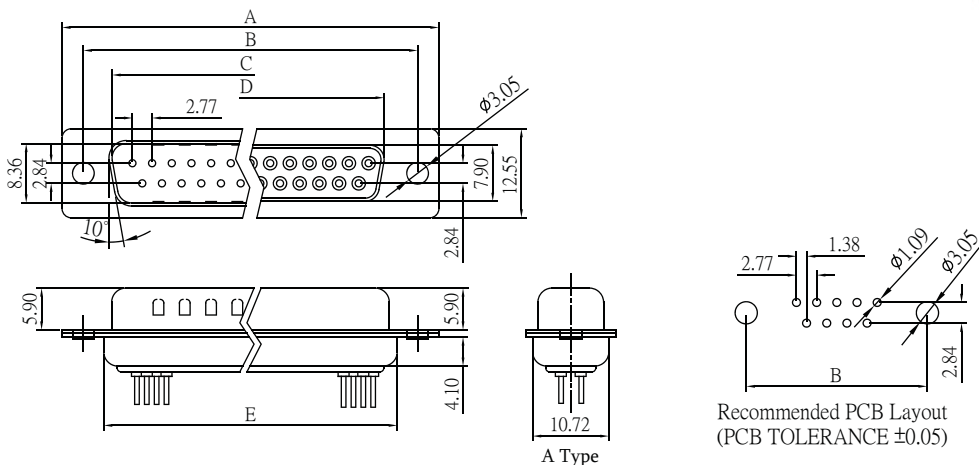
Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

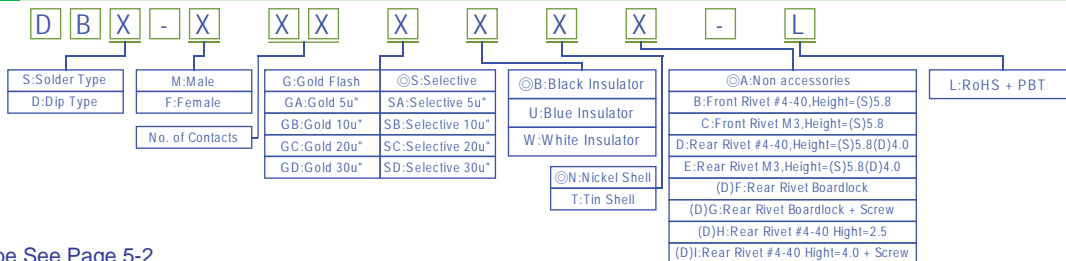
Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
9	30.81	24.99	16.92	16.33	19.20
15	39.14	33.32	25.50	24.66	27.70
25	53.04	47.04	38.96	38.38	41.10
37	69.32	63.50	55.42	54.84	57.30



ORDER INFORMATION



Type See Page 5-2

D-SUB Press Fit Type

Specifications

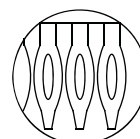
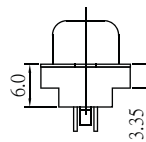
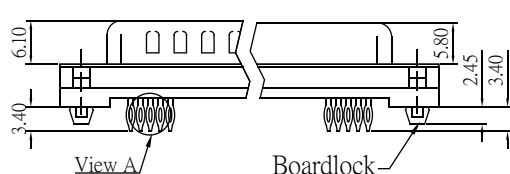
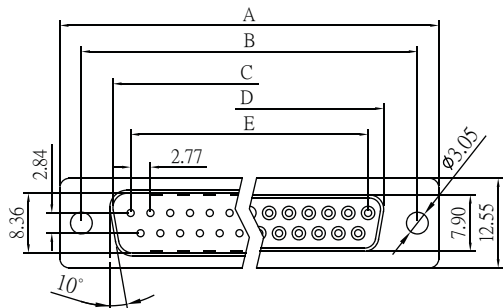
Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

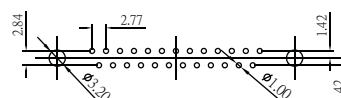
Terminal: Copper Alloy.
 © Insulator: PBT, UL 94V-0

Dimensions

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
9	30.81	24.99	16.92	16.33	11.08
15	39.20	33.30	25.25	24.70	19.39
25	53.05	47.04	38.96	38.40	33.24
37	69.40	63.50	55.42	54.80	49.86



View A=5:1



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



D-SUB Straight Dip Type

Specifications

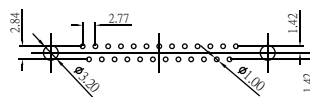
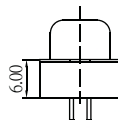
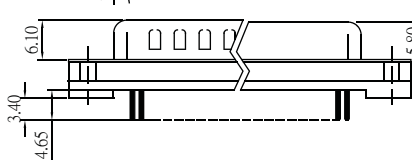
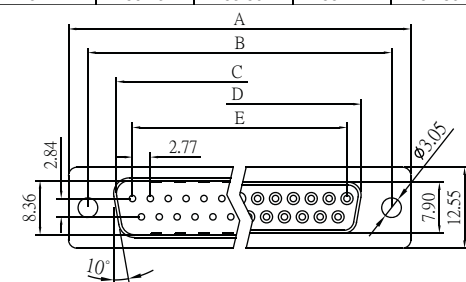
Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

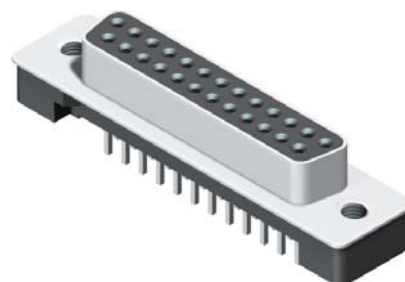
Terminal: Copper Alloy.
 © Insulator: PBT, UL 94V-0

Dimensions

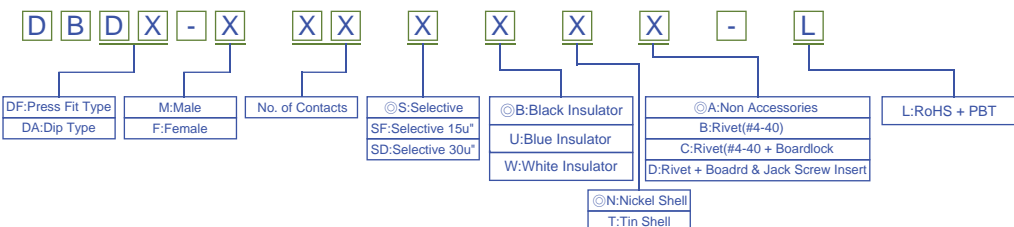
No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
9	30.81	24.99	16.92	16.33	11.08
15	39.20	33.32	25.25	24.70	19.39
25	53.05	47.04	38.96	38.40	33.24
37	69.40	63.50	55.42	54.80	49.86



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



ORDER INFORMATION





D-SUB Crimp Type

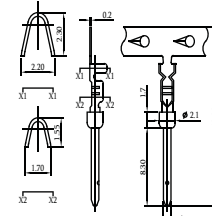
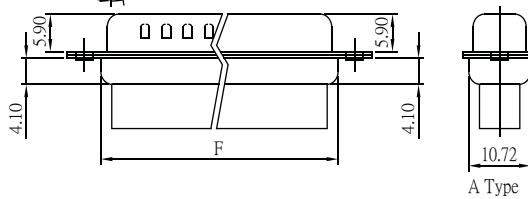
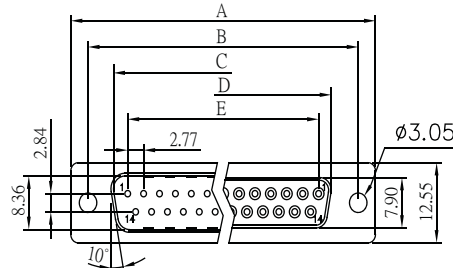
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

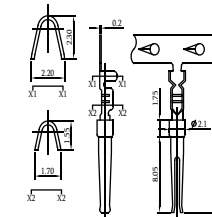
Material

Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F
9	30.81	24.99	16.92	16.33	11.08	19.20
15	39.14	33.32	25.50	24.66	19.39	27.70
25	53.04	47.04	38.96	38.38	33.24	41.10
37	69.32	63.50	55.42	54.84	49.86	57.30

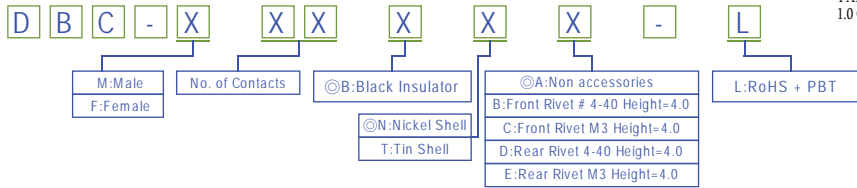


PART No.: DBC-MT-L
1.0 Crimp Pin Male



PART No.: DBC-FT-L
1.0 Crimp Pin Female

Order Information



D-SUB Elevated Dip Type

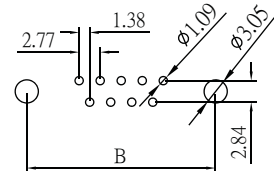
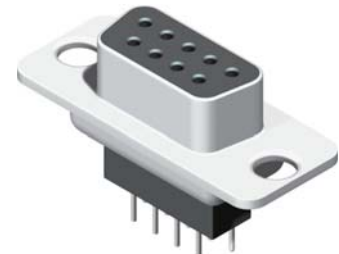
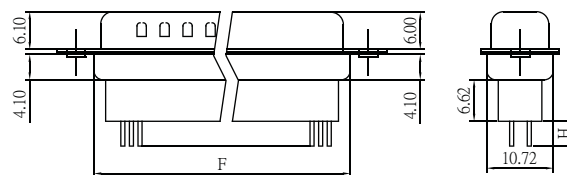
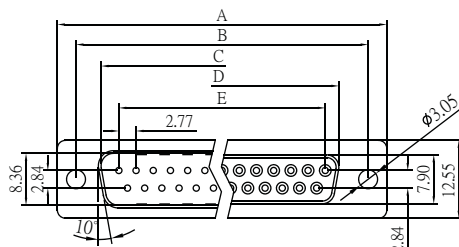
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

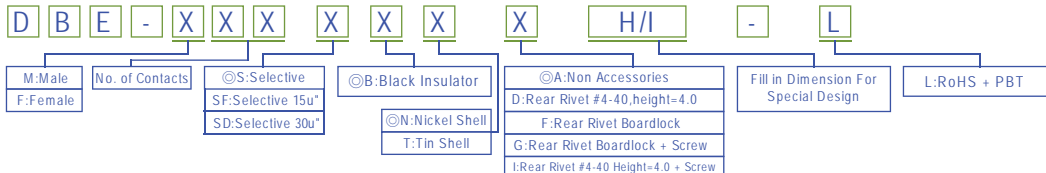
Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. H	Dim. I
9	30.81	24.99	16.92	11.08	19.20	3.60	11.10
15	39.14	33.32	25.50	19.39	27.51	5.40	12.70
25	53.04	47.04	38.96	33.24	41.00	7.20	14.50
37	69.32	63.50	55.42	49.86	57.71	7.20	14.50



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

Order Information



Type See Page 5-1

D-SUB Conn. Series



ROHS

D-SUB IDC Type

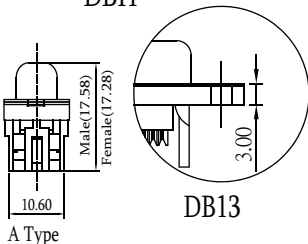
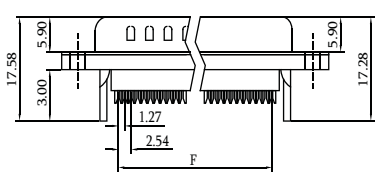
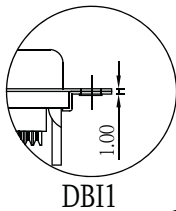
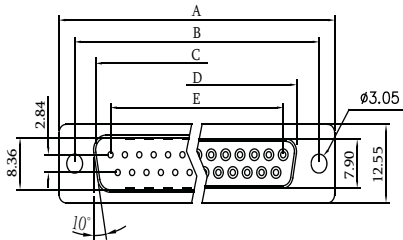
Specifications

Current Rate: 3 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 20mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

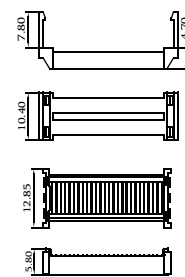
Material

Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy

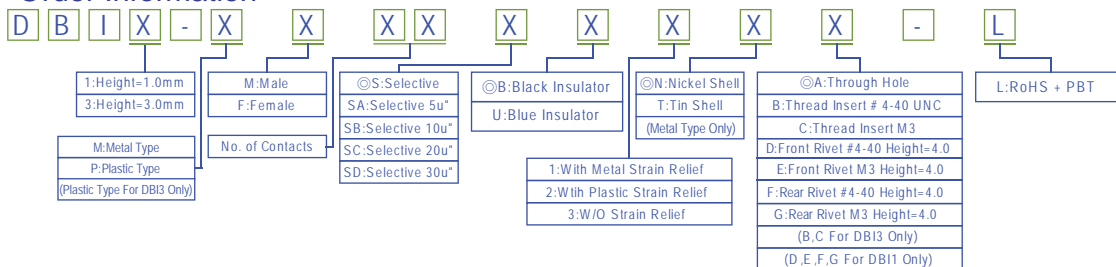
No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F
9	30.81	24.99	16.92	16.33	11.08	10.16
15	39.14	33.32	25.50	24.66	19.39	17.78
25	63.04	47.04	38.96	38.58	33.24	30.48
37	69.32	63.50	55.42	54.84	49.86	45.72



Strain Relief



Order Information



Waterproof D-SUB Right Angle Type

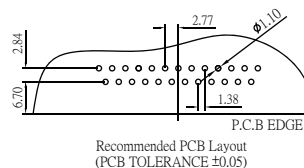
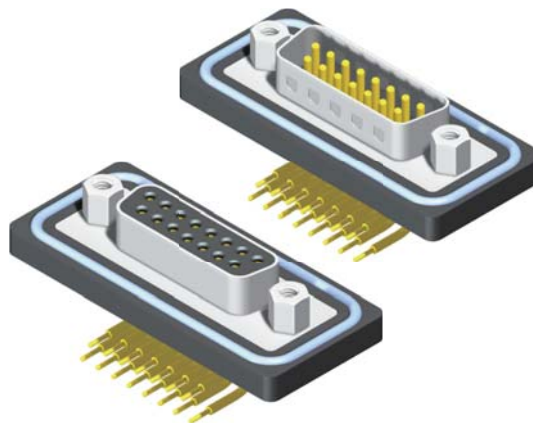
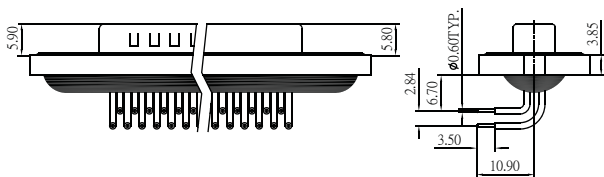
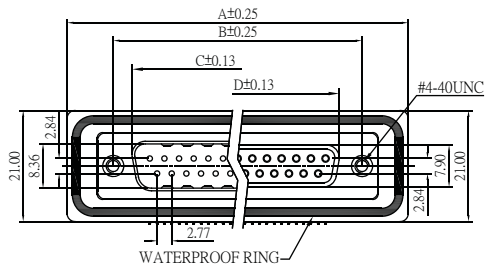
Specifications

Current Rate: 5 AMP
 Insulation Resistance: 5000MΩ Min.
 Contact Resistance: 10mΩ Max.
 Dielectric Voltage: AC 300V /ram 50Hz
 Operation Temperature: -55°C to +85°C

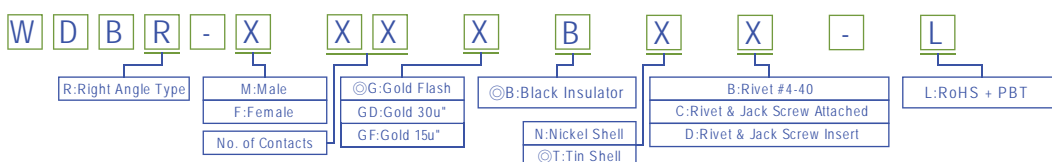
Material

Terminal: Copper Alloy.
 Insulator: PBT

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
9	39.40	24.99	16.92	16.33
15	47.70	33.30	25.25	24.66
25	64.50	47.04	38.96	38.38



Order Information



Type See Page 5-2



D-SUB Conn. Series



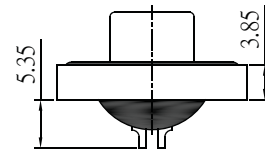
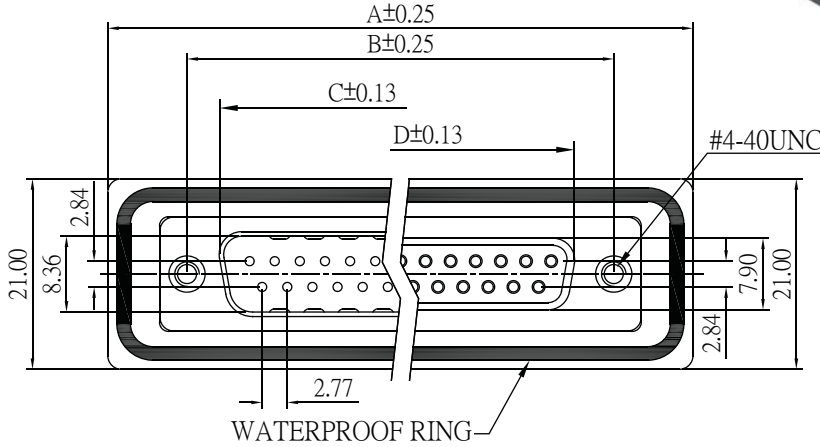
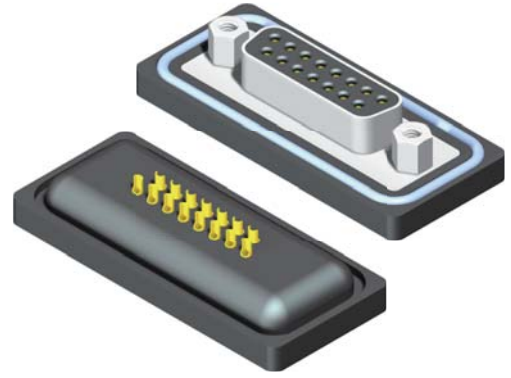
ROHS

Waterproof D-SUB Solder Type

Specifications
 Current Rate: 5 AMP
 Insulation Resistance: 5000MΩ Min.
 Contact Resistance: 10mΩ Max.
 Dielectric Voltage: AC 300V /ram 50Hz
 Operation Temperature: -55°C to +85°C

Material
 Terminal: Copper Alloy.
 Insulator: PBT

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
9	39.40	24.99	16.92	16.33
15	47.70	33.30	25.25	24.66
25	64.50	47.04	38.96	38.38

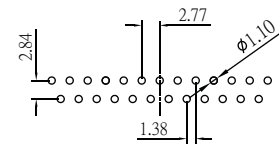
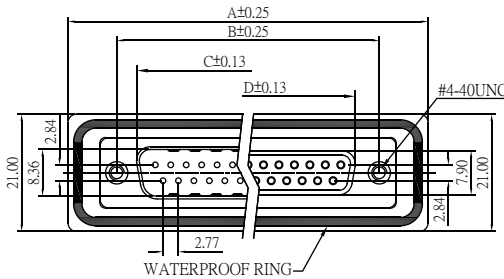
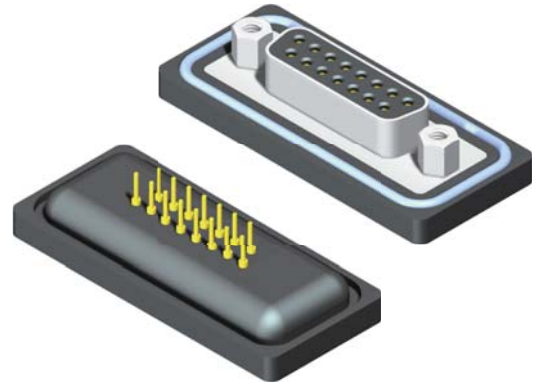


Waterproof D-SUB Dip Type

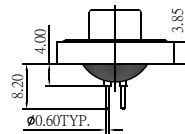
Specifications
 Current Rate: 5 AMP
 Insulation Resistance: 5000MΩ Min.
 Contact Resistance: 10mΩ Max.
 Dielectric Voltage: AC 300V /ram 50Hz
 Operation Temperature: -55°C to +85°C

Material
 Terminal: Copper Alloy.
 Insulator: PBT

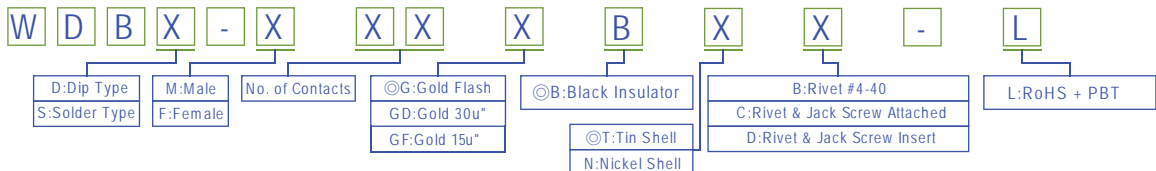
No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
9	39.40	24.99	16.92	16.33
15	47.70	33.30	25.25	24.66
25	64.50	47.04	38.96	38.38



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)



ORDER INFORMATION



Type See Page 5-2

AMTEK CONNECTOR MANUFACTURER

Power Connector

Materials and finish

Shell: Steel, dimples on plug

Insulator: PBT thermoplastic, 30% glass filled
UL 94V-0 rated

Signal contact material: Copper alloy

High power contact material: Copper alloy

Electrical characteristics

High power contact current rating: 40 A max.

High power contact resistance: 2.7 mΩ max.

Dielectric withstanding voltage: 1000 V AC (for 1 minute)

Insulation resistance: 5000 MΩ min.

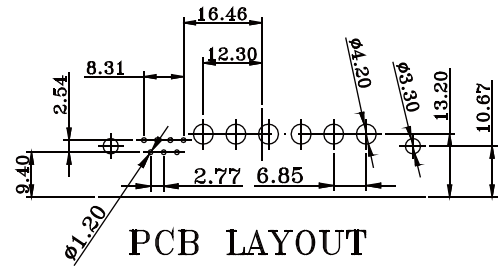
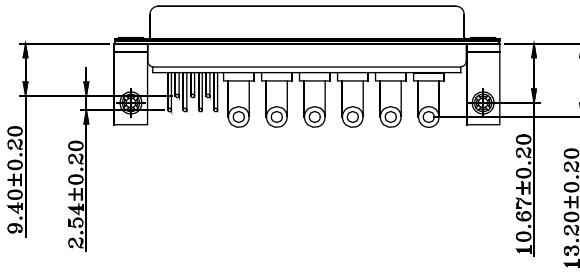
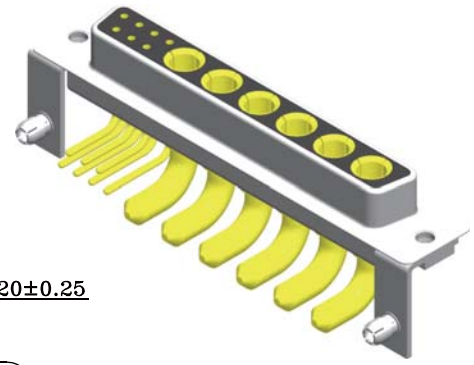
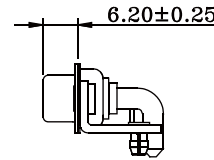
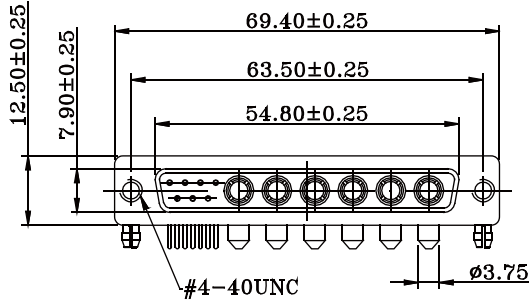
Temperature rating: -55°C ~ +125°C

Contact Variants

SHELL SIZE	HOUSING TYPE
9	2WK2(MALE) 2WK2(FEMALE) 2W2 5W1
15	3WK3(FEMALE) 3WK3(MALE) 3W3 7W2 11W1
25	5W5 9W4 13W3 17W2 21W1
37	8W8 13W6 17W5 25W3 27W2 21W4 7W7
50	24W7 36W4 43W2 47W1

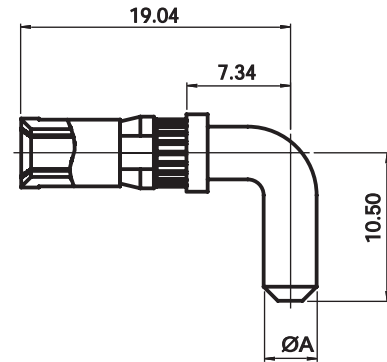
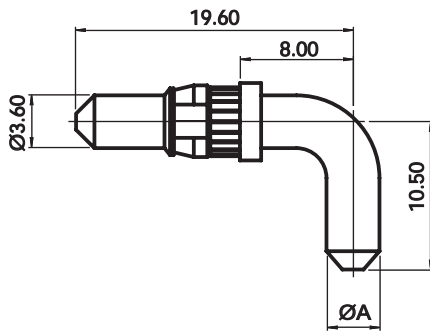
CONNECTORS MANUFACTURER

Power Conn. Right Angle Type



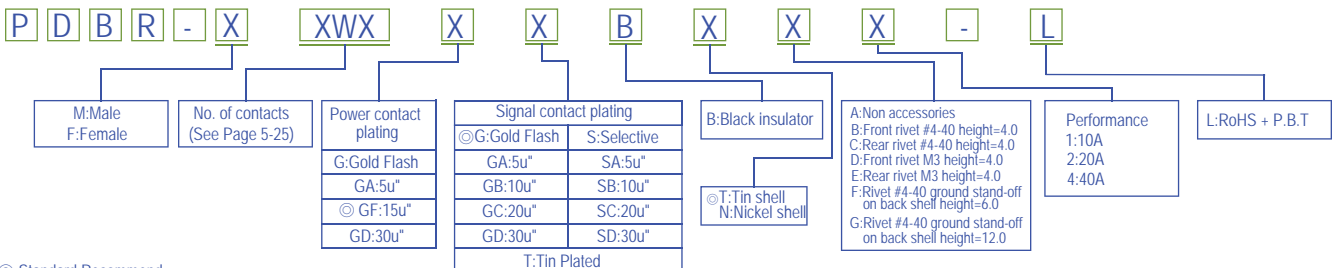
MALE

FEMALE



Current Rating	Dimension (mm) ØA
10A	1.7
20A	2.8
40A	3.75

ORDER INFORMATION



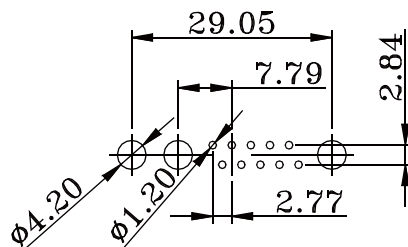
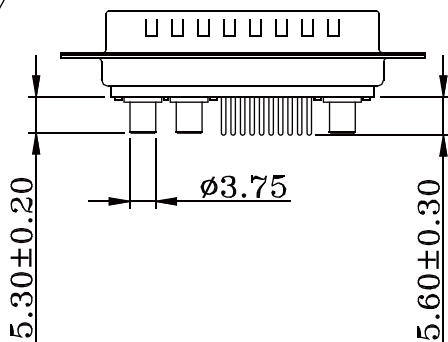
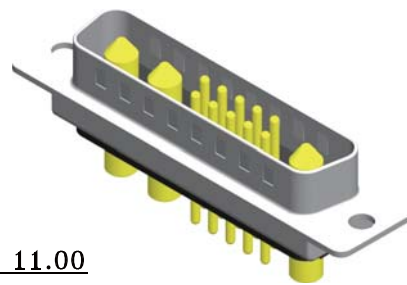
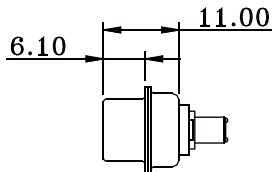
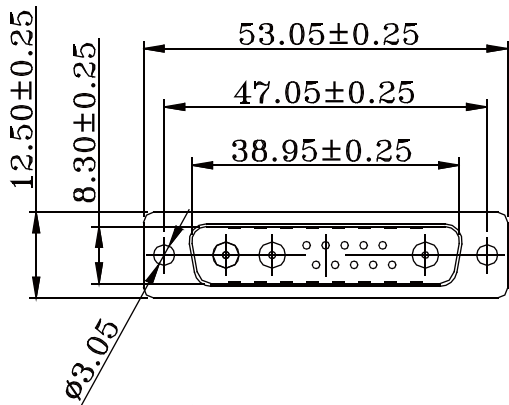
©: Standard Recommend

Power Conn.

Pb

ROHS

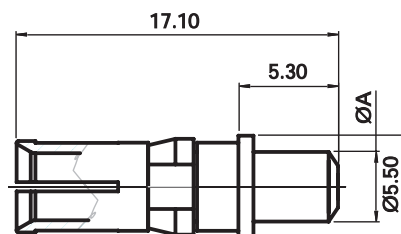
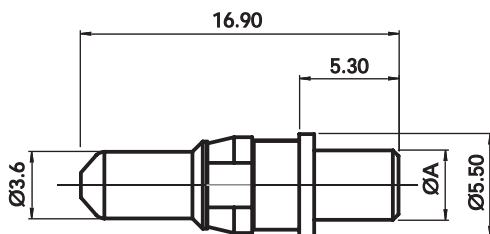
Power Conn. Straight Type



PCB LAYOUT

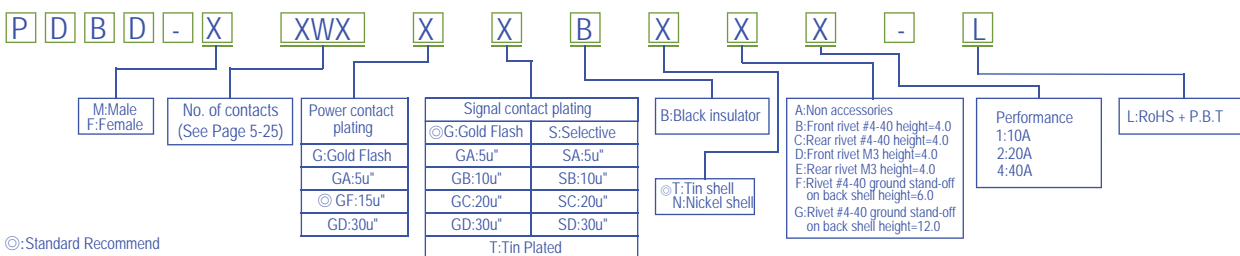
MALE

FEMALE



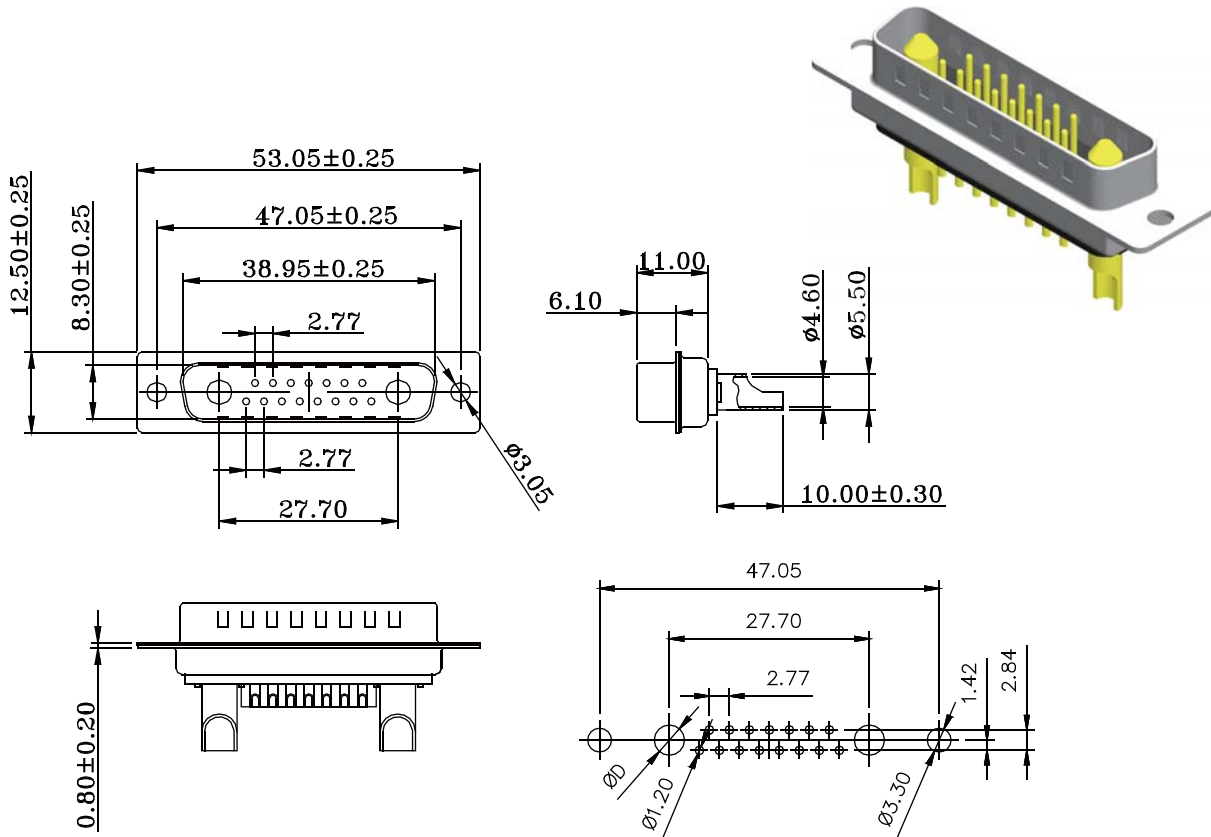
Current Rating	Dimension (mm) ØA
10A	1.7
20A	2.8
40A	3.75

ORDER INFORMATION



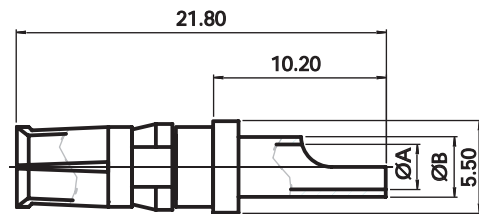
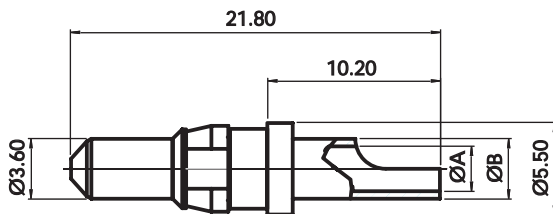
©: Standard Recommend

Power Conn. Solder Type



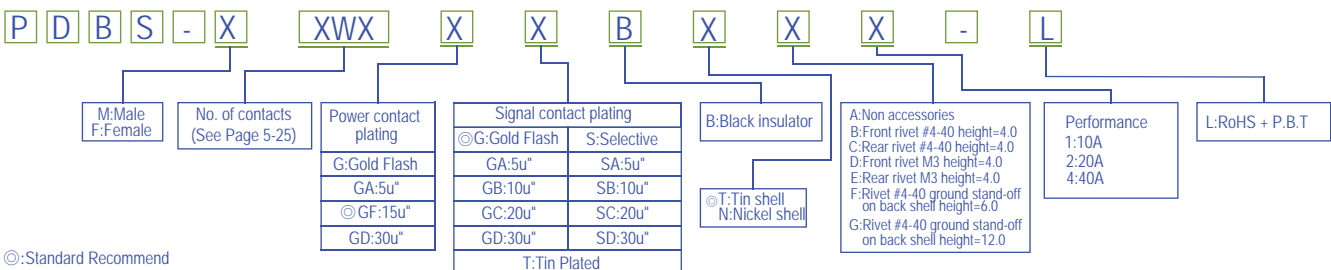
MALE

PCB LAYOUT
FEMALE



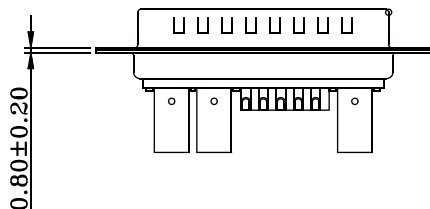
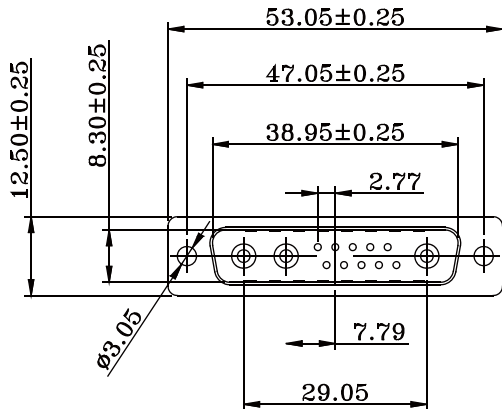
Current Rating	Dimension (mm) ØA	Dimension (mm) ØB
10A	1.7	2.5
20A	2.7	3.6
40A	4.6	5.5

ORDER INFORMATION

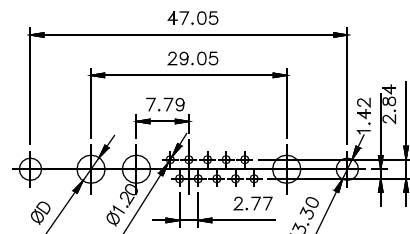
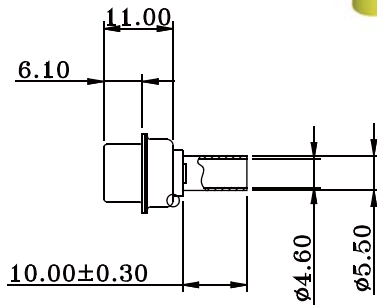
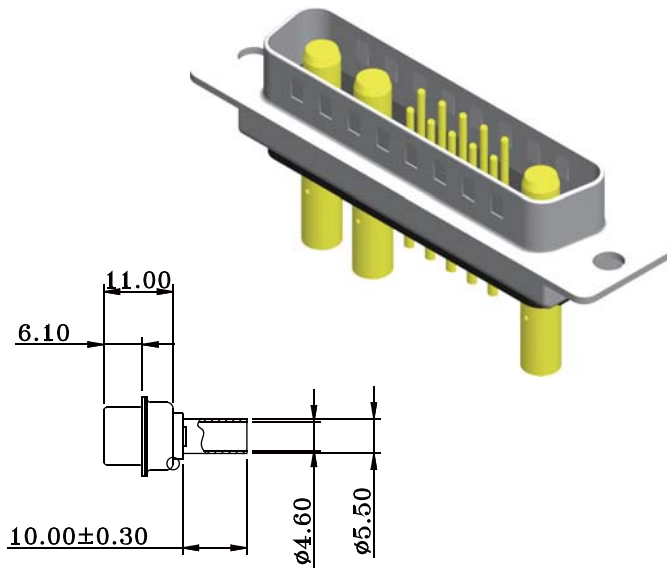


©: Standard Recommend

Power Conn. Crimp Type

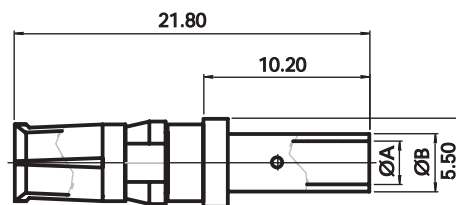
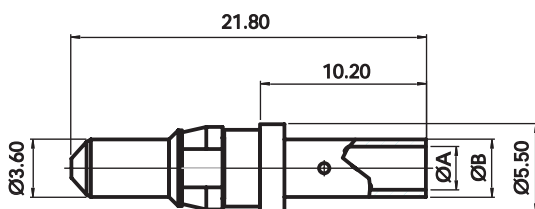


MALE



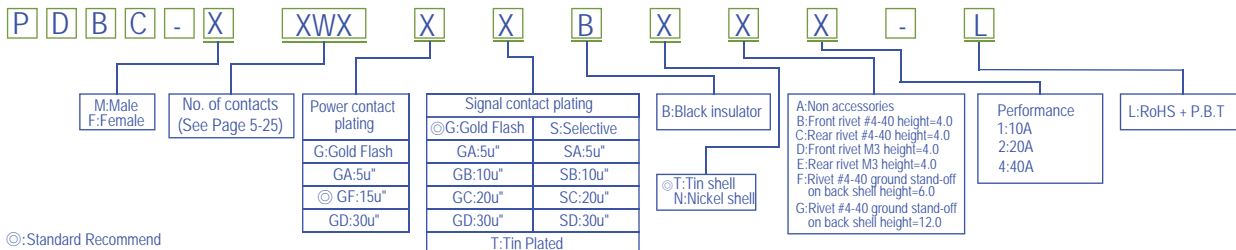
PCB LAYOUT

FEMALE



Current Rating	Dimension (mm) ØA	Dimension (mm) ØB
10A	1.7	2.5
20A	2.7	3.6
40A	4.6	5.5

ORDER INFORMATION



©: Standard Recommend

Coaxial Connector

Materials and Finish

Shell : Steel, dimples on plug

Insulator : PBT thermoplastic, 30% glass filled,
UL 94V-0 rated

Coaxial contact material: Copper Alloy

Electrical characteristics












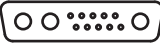
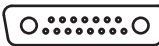

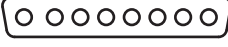

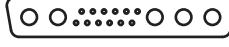
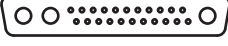
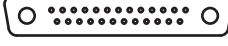
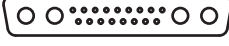
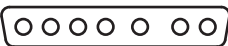



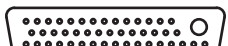
Coaxial contact impedance: 50 or 75 Ω

Dielectric withstanding voltage: 1000 V AC (for 1 minute)

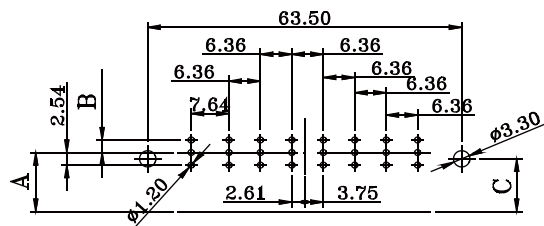
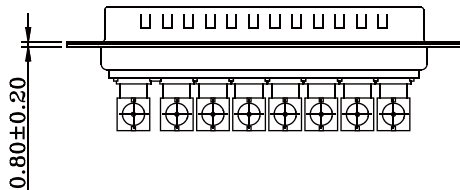
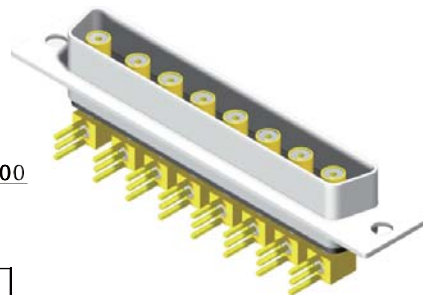
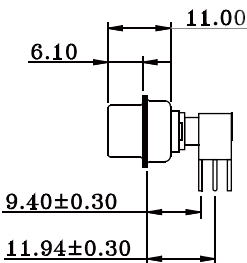
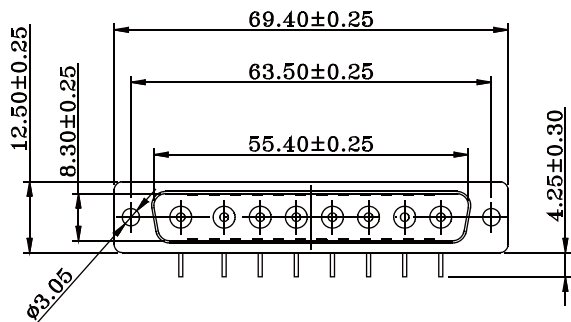
Insulation resistance: 5000 M Ω min.

Temperature rating : -55°C ~ +125°C

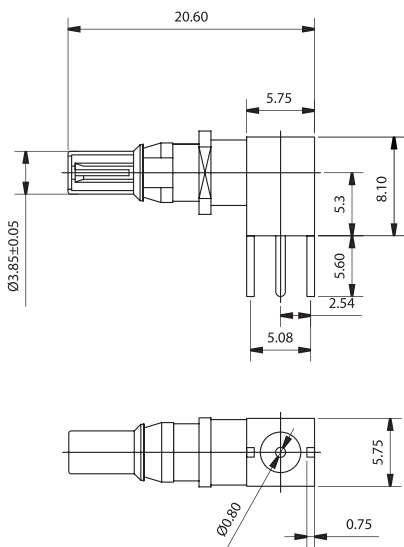
Contact Variants

SHELL SIZE	HOUSING TYPE
9	 2WK2(MALE)  2WK2(FEMALE)  2W2  5W1
15	 3WK3(FEMALE)  3WK3(MALE)  3W3  7W2  11W1
25	 5W5  9W4  13W3  17W2  21W1
37	 8W8  13W6  17W5  25W3  27W2  21W4  7W7
50	 24W7  36W4  43W2  47W1

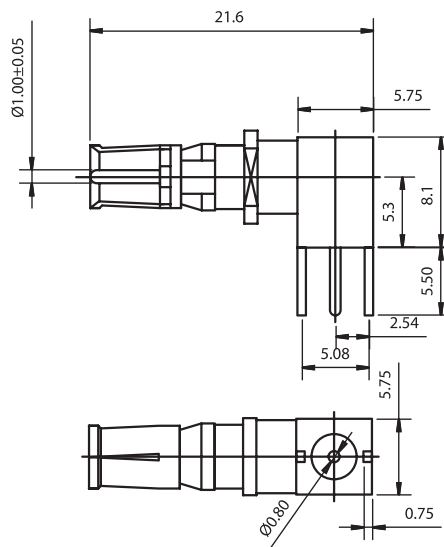
Coaxial Conn. Right Angle Type



MALE

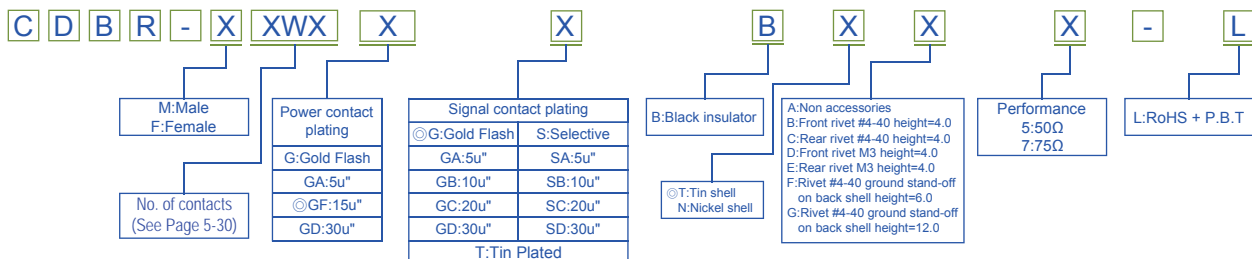


FEMALE



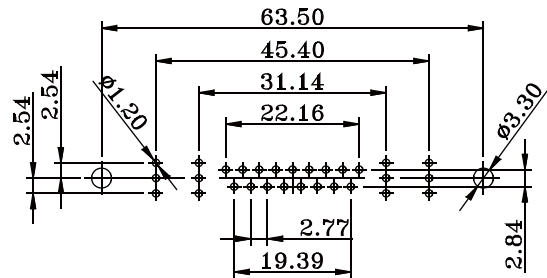
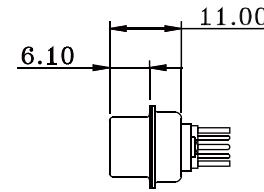
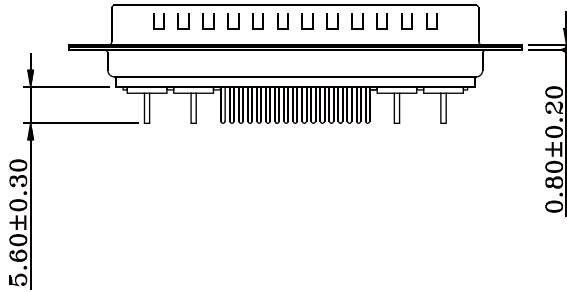
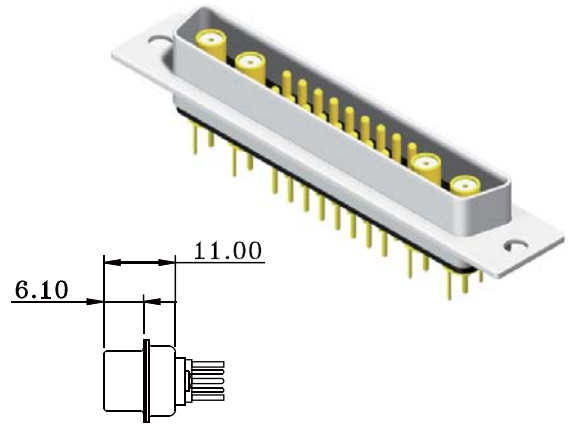
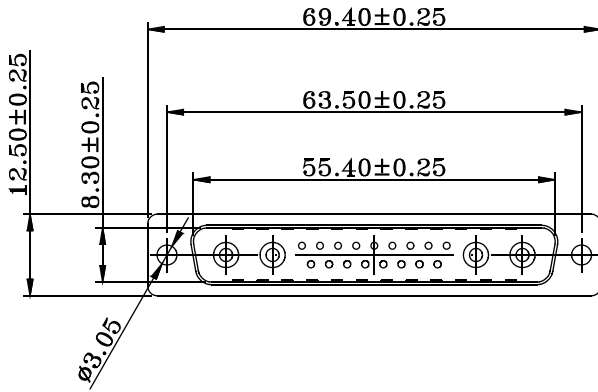
Distance (mm)	TYPE 1	TYPE 2
A	7.2	9.4
B	2.84	2.54
Bracket Type		
C	10.67	

Order Information



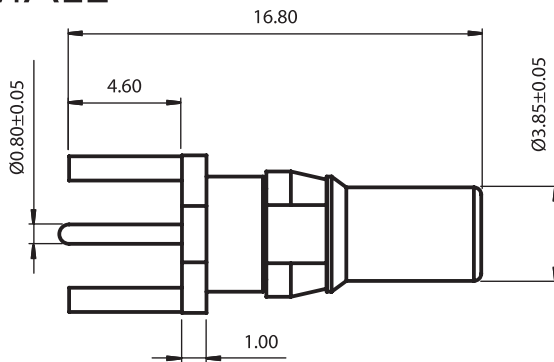
©: Standard Recommend

Coaxial Conn. Straight Type

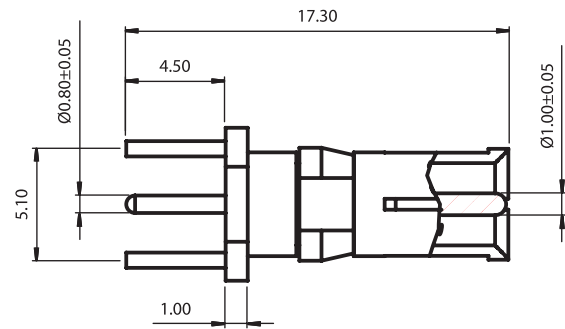


PCB LAYOUT

MALE



FEMALE



Coaxial Conn.



ROHS

Order Information

C D B D - X XWX X X

M: Male
F: Female

No. of contacts
(See Page 5-30)

Power contact plating

G: Gold Flash
GA: 5u"
GF: 15u"
GD: 30u"

Signal contact plating

G: Gold Flash	S: Selective
GA: 5u"	SA: 5u"
GB: 10u"	SB: 10u"
GC: 20u"	SC: 20u"
GD: 30u"	SD: 30u"

T: Tin Plated

B: Black insulator

T: Tin shell
N: Nickel shell

A: Non accessories

B: Front rivet #4-40 height=4.0
C: Rear rivet #4-40 height=4.0
D: Front rivet M3 height=4.0
E: Rear rivet M3 height=4.0
F: Rivet #4-40 ground stand-off on back shell height=6.0
G: Rivet #4-40 ground stand-off on back shell height=12.0

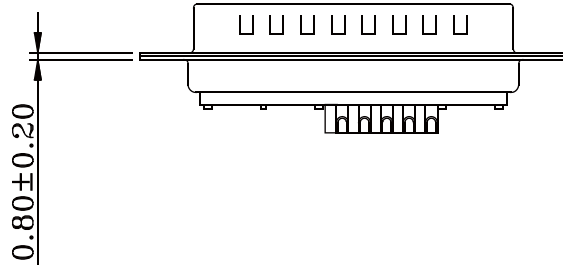
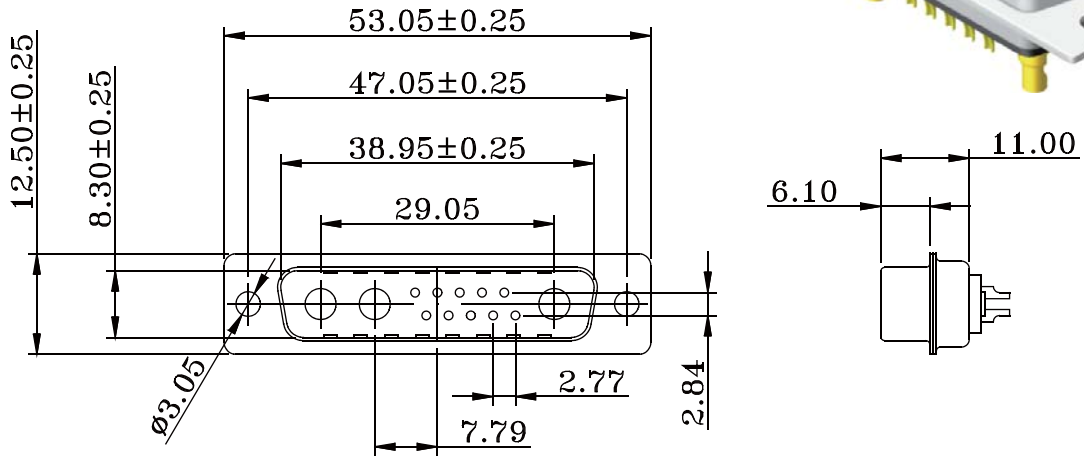
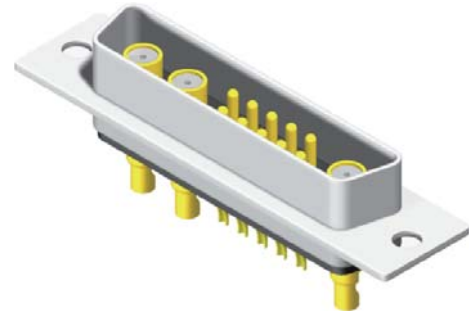
Performance

5: 50Ω
7: 75Ω

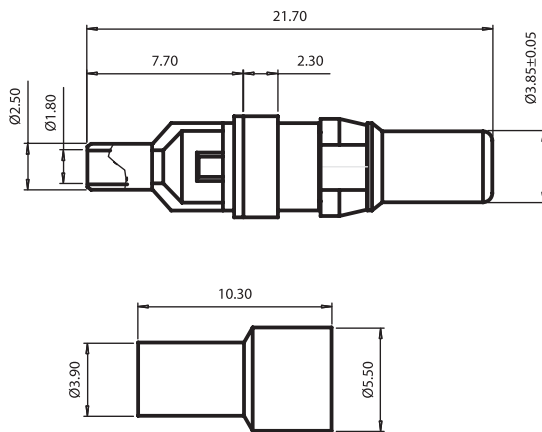
L: RoHS + P.B.T

©: Standard Recommend

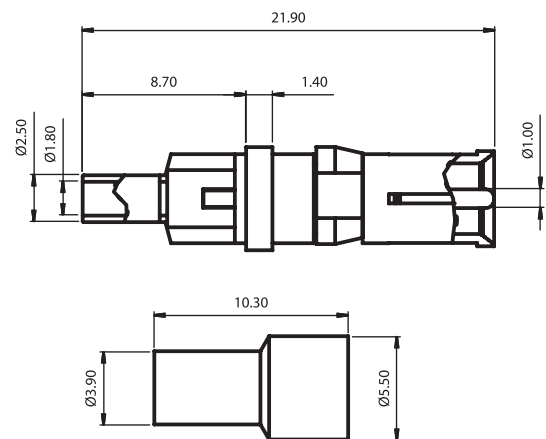
Coaxial Conn. Solder Type



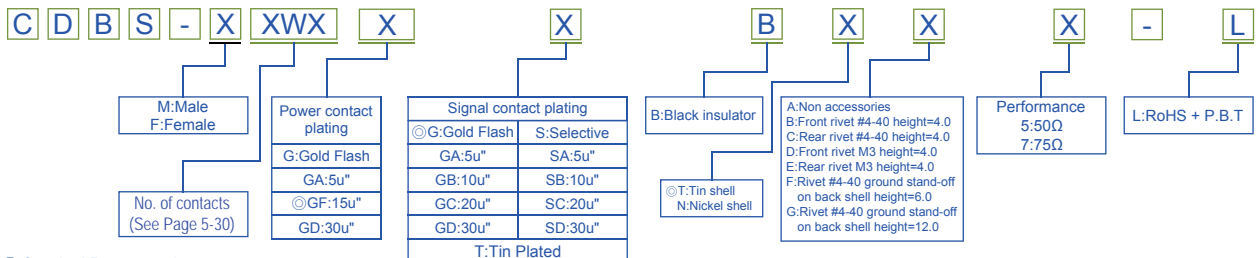
MALE



FEMALE



Order Information

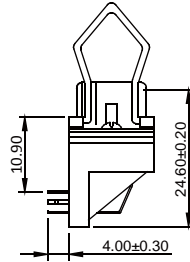
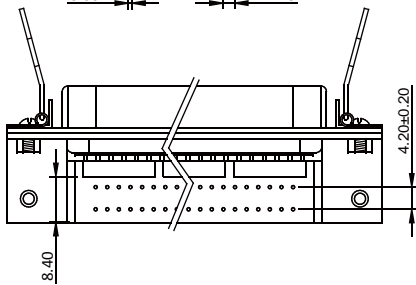
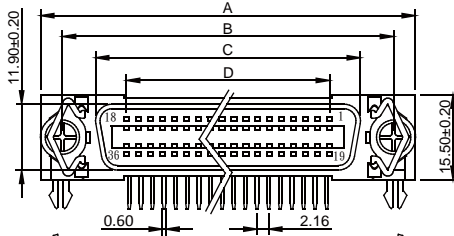
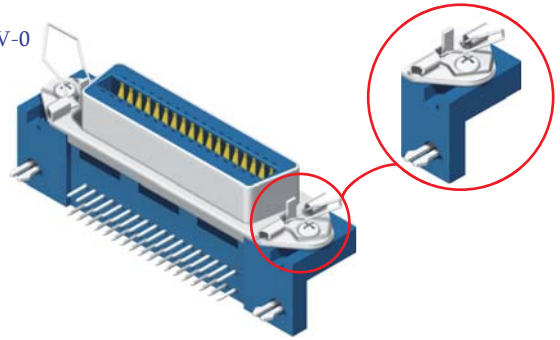


©: Standard Recommend

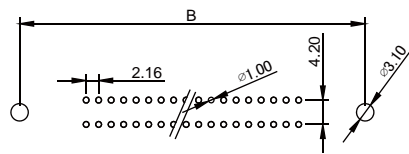
Centronic Right Angle Type , L Shape / Screw

Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy

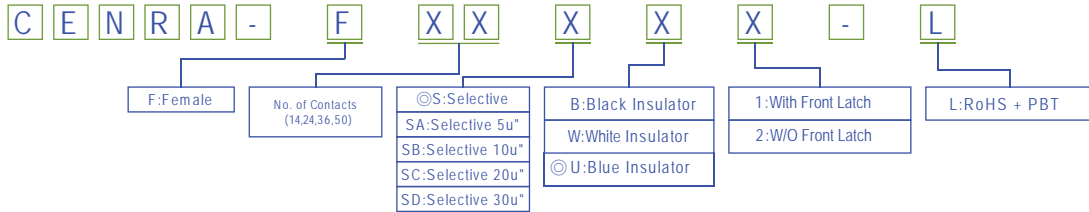


Part No.	A±0.20	B±0.20	C±0.20	D±0.20
CENRA-F14-L	44.05	35.99	25.20	12.96
CENRA-F24-L	54.95	46.85	35.65	23.76
CENRA-F36-L	67.69	59.74	48.90	36.72
CENRA-F50-L	82.85	74.85	64.10	51.84



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

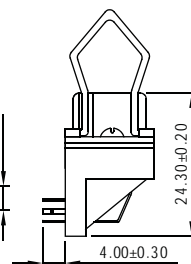
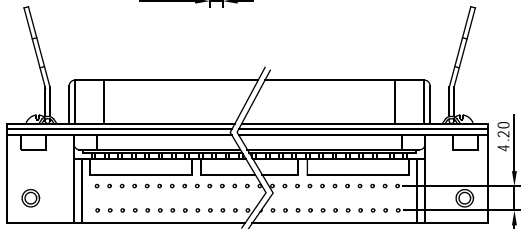
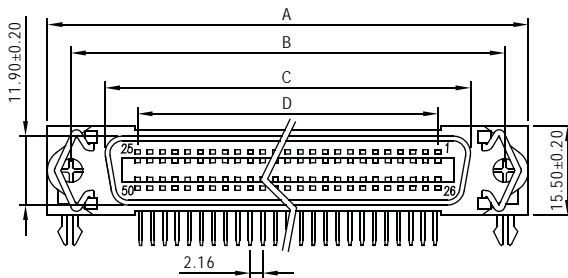
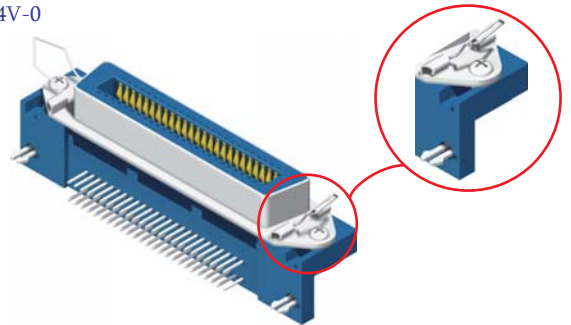
Order Information



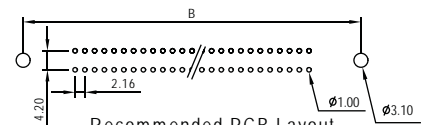
Centronic Right Angle Type , Z Shape / Rivet

Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy

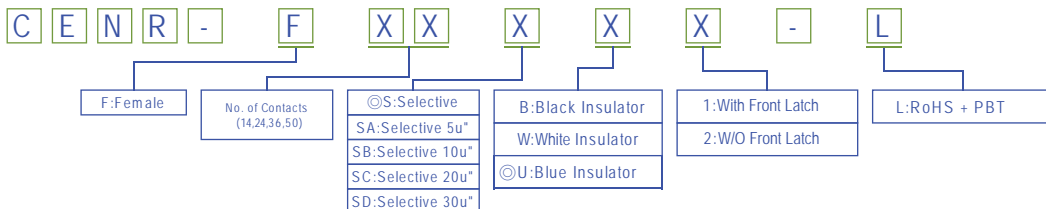


Part No.	A±0.20	B±0.20	C±0.20	D±0.20
CENR-F14-L	44.05	35.99	25.20	12.96
CENR-F24-L	54.95	46.85	35.65	23.76
CENR-F36-L	67.69	59.74	48.90	36.72
CENR-F50-L	82.85	74.85	64.10	51.84



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

Order Information



Centronic Conn. Series



RoHS

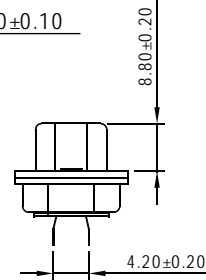
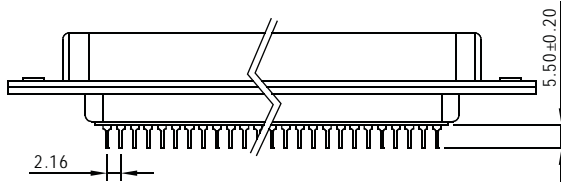
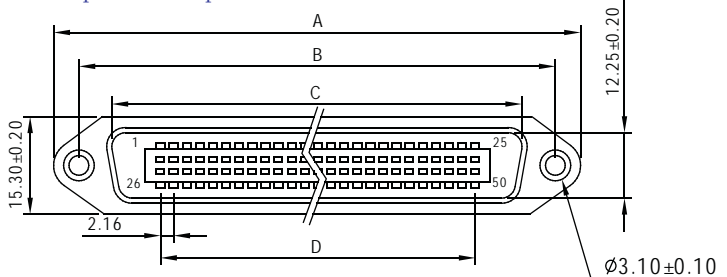
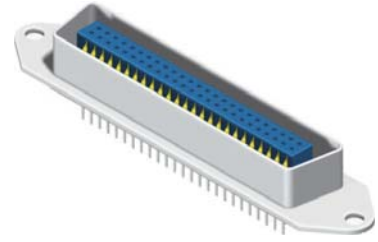
Centronic Straight Male Type

Specifications

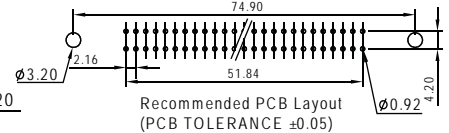
Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

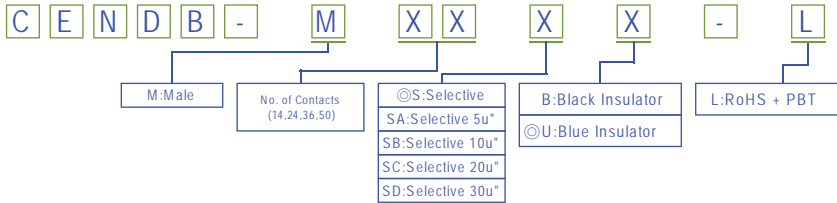
Insulator: Polyester, UL 94V-0
 ©Standard: PBT
 Terminal: Copper Alloy



Part No.	A±0.20	B±0.20	C±0.20	D±0.20
CENDB-M14-L	43.90	36.00	25.50	12.96
CENDB-M24-L	54.70	46.80	36.30	23.76
CENDB-M36-L	67.70	59.70	49.30	36.72
CENDB-M50-L	82.80	74.90	64.40	51.84



Order Information



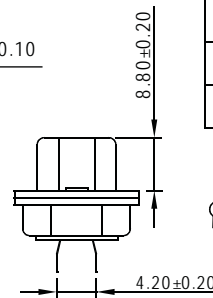
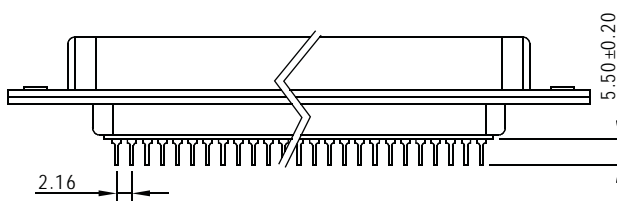
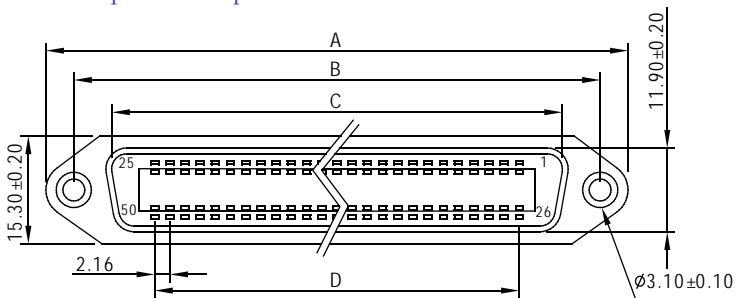
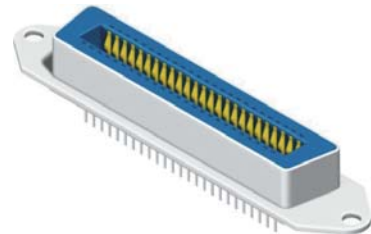
Centronic Straight Female Type

Specifications

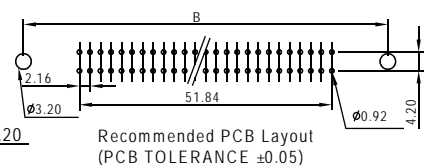
Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

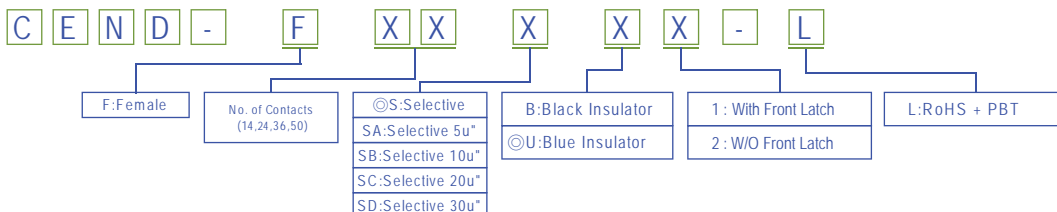
Insulator: Polyester, UL 94V-0
 ©Standard: PBT
 Terminal: Copper Alloy



Part No.	A±0.20	B±0.20	C±0.20	D±0.20
CEND-F14-L	43.90	35.99	25.20	12.96
CEND-F24-L	54.71	46.79	36.00	23.76
CEND-F36-L	67.69	59.74	48.90	36.72
CEND-F50-L	82.78	74.85	64.00	51.84



Order Information

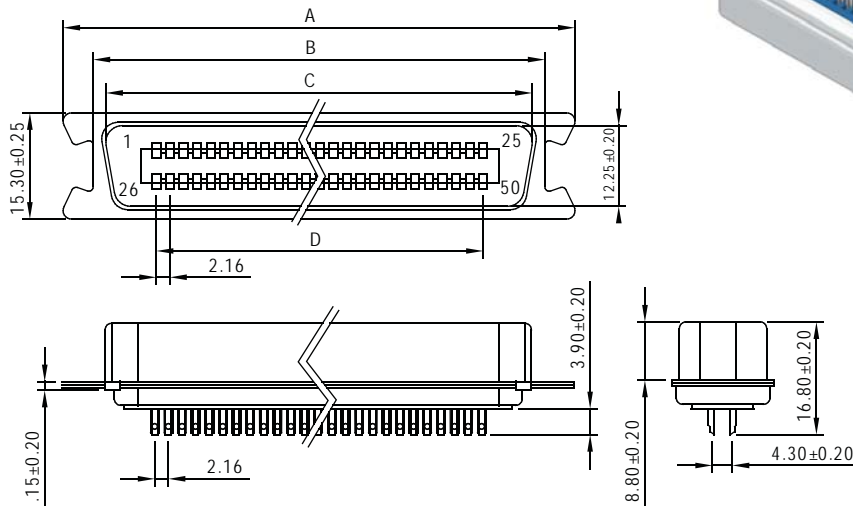
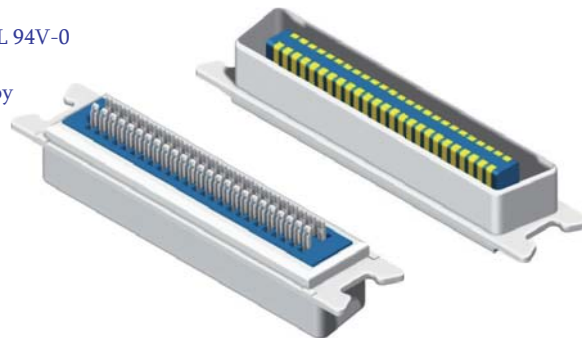




Centronic Solder Male Type

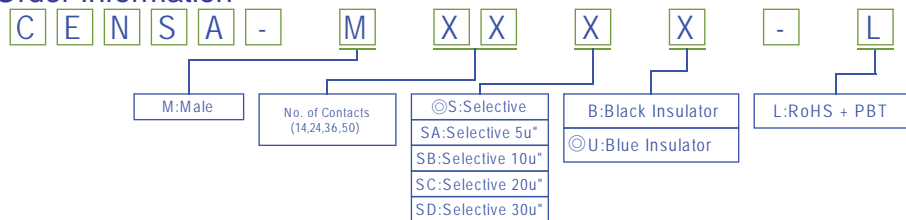
Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 ©Standard: PBT
 Terminal: Copper Alloy



Part No.	A±0.20	B±0.20	C±0.20	D±0.20
CENSA-M14-L	38.80	30.20	25.60	12.96
CENSA-M24-L	49.30	40.20	36.20	23.76
CENSA-M36-L	62.00	53.50	49.30	36.72
CENSA-M50-L	77.40	68.30	64.47	51.84

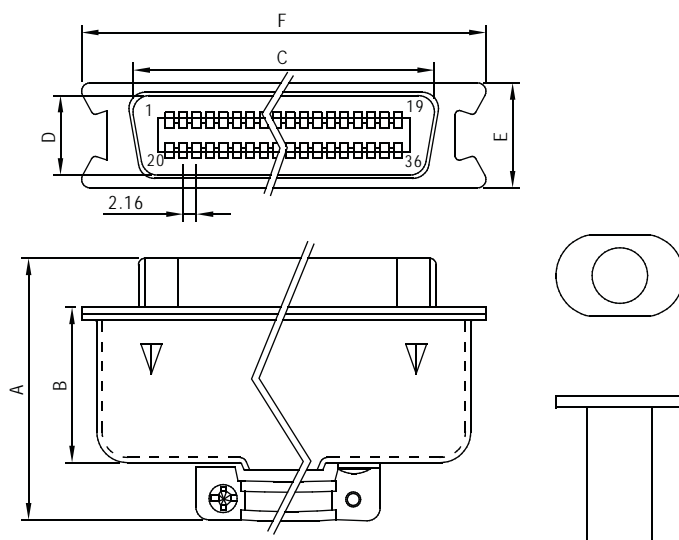
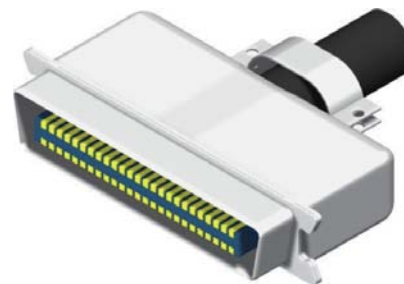
Order Information



Centronic Solder Male Assembly Type

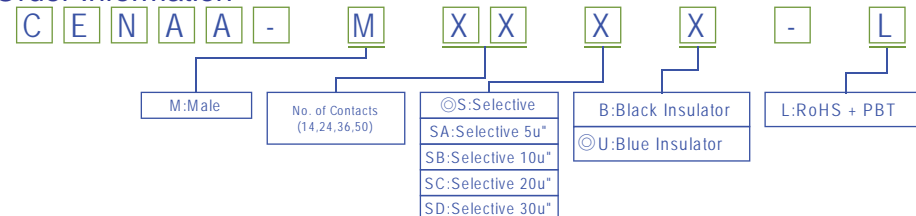
Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 ©Standard: PBT
 Terminal: Copper Alloy



Part No.	A±0.20	B±0.20	C±0.20	D±0.20	E±0.20	F±0.20
CENAA-M14-L	41.40	21.20	25.60	12.25	15.20	38.80
CENAA-M24-L	41.40	21.20	36.47	12.25	15.20	49.30
CENAA-M36-L	40.50	22.60	49.35	12.25	15.20	62.00
CENAA-M50-L	45.50	24.80	77.40	12.25	15.20	77.40

Order Information



Centronic Conn. Series



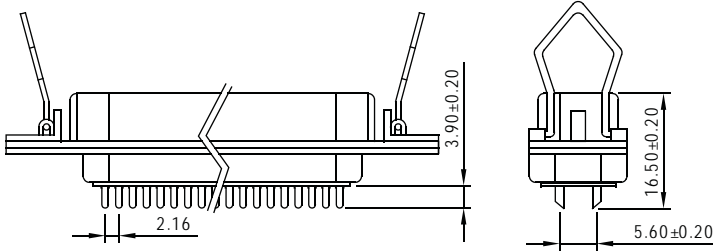
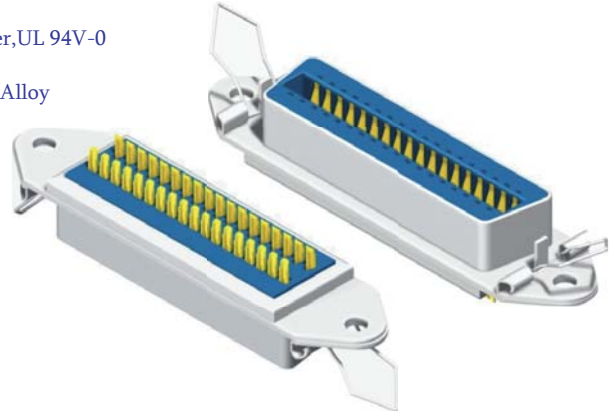
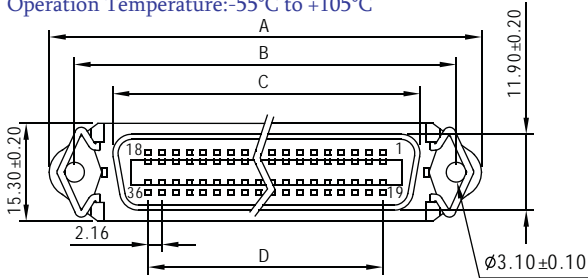
ROHS

COMMERCIAL MANUFACTURING

Centronic Solder Female Type

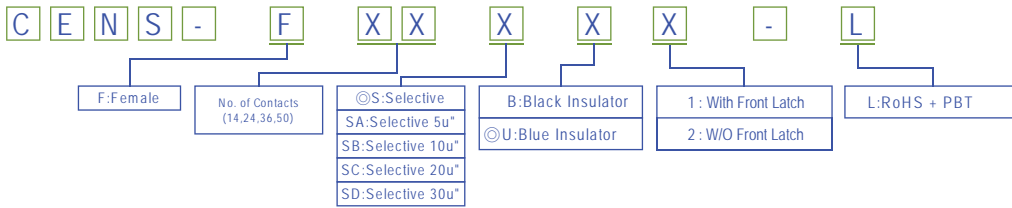
Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



Part No.	A±0.20	B±0.20	C±0.20	D±0.20
CENS-F14-L	43.90	35.99	25.20	12.96
CENS-F24-L	54.71	46.79	36.00	23.76
CENS-F36-L	67.69	59.74	48.90	36.72
CENS-F50-L	82.78	74.85	64.00	51.84

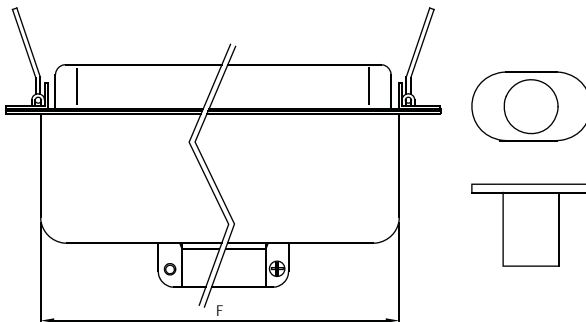
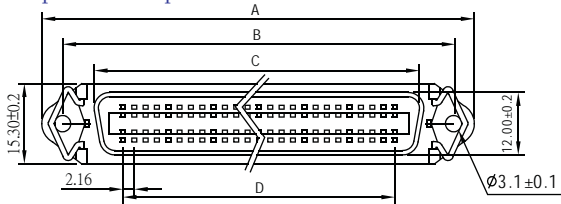
Order Information



Centronic Solder Female Assembly Type

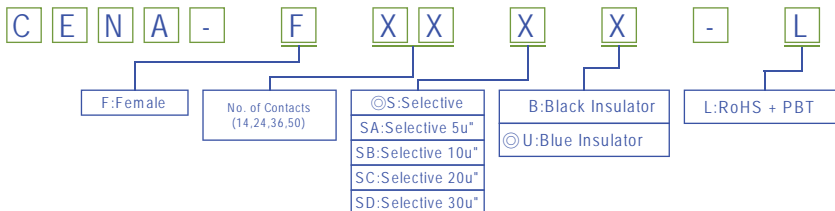
Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



Part No.	A±0.2	B±0.2	C±0.2	D±0.03	F±0.2
CENA-F14-L	43.92	35.99	25.20	12.96	29.00
CENA-F24-L	54.71	46.79	36.00	23.76	39.80
CENA-F36-L	67.69	59.74	48.90	36.72	53.00
CENA-F50-L	82.78	74.85	64.00	51.84	68.10

Order Information

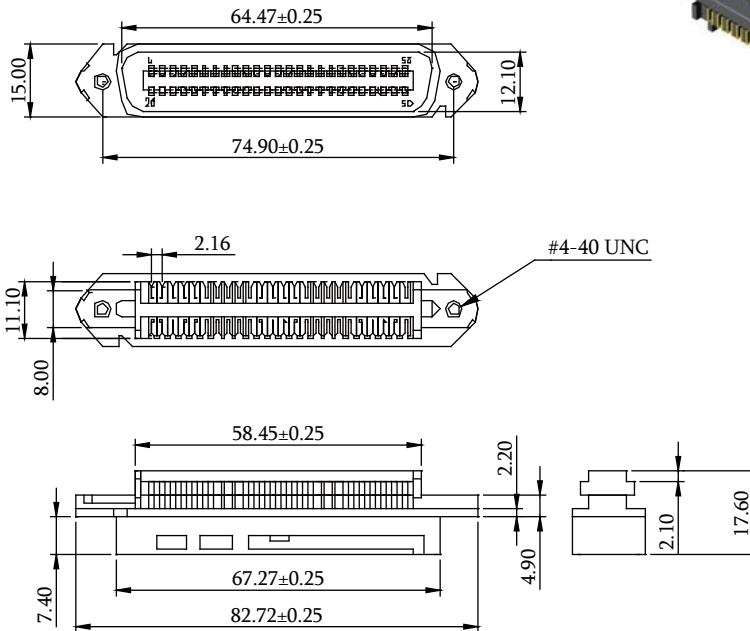




Centronic IDC Type Male 50Pin

Specifications
 Current Rate: 5 AMP
 Insulation Resistance: 1000MΩ Min.
 Dielectric Voltage: 1000V AC for one minute
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



Order Information

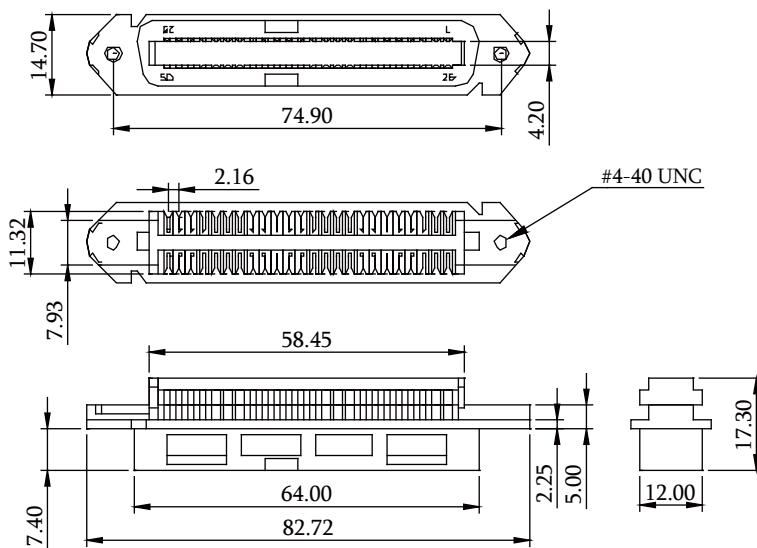
C E N I A - M 5 0 G B - L
 M: Male No. of contacts G: Gold Flash B: Black Insulator L: RoHS + P.B.T

Standard Recommend

Centronic IDC Type Female 50Pin

Specifications
 Current Rate: 5 AMP
 Insulation Resistance: 1000MΩ Min.
 Dielectric Voltage: 1000V AC for one minute
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Terminal: Copper Alloy



Order Information

C E N I A - F 5 0 G B - L
 F: Female No. of contacts G: Gold Flash B: Black Insulator L: RoHS + P.B.T

Standard Recommend

Centronic Conn. Series



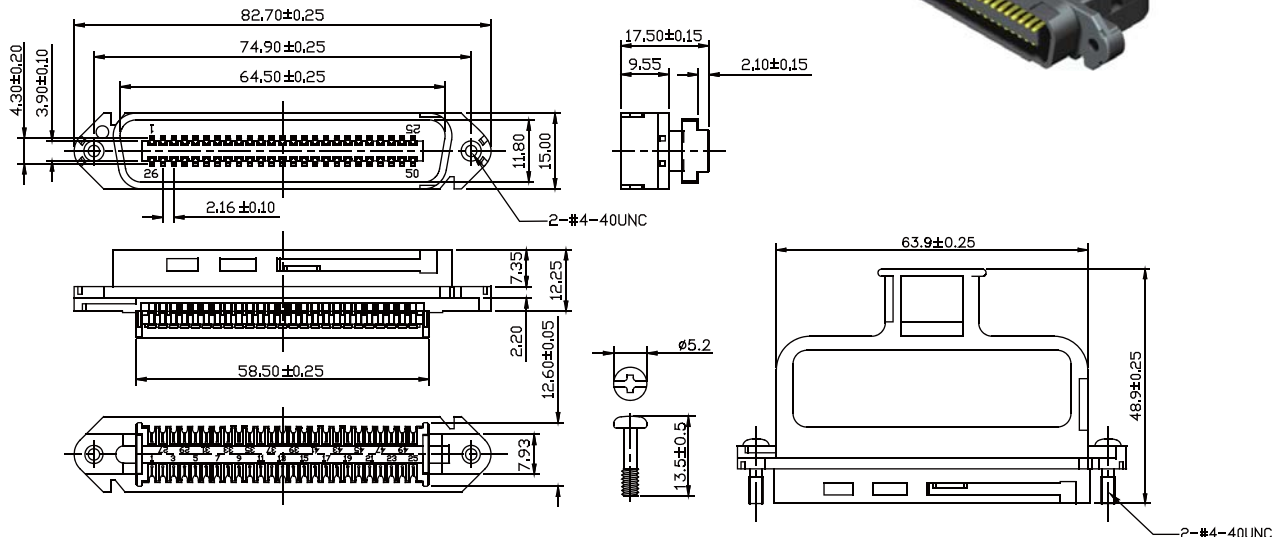
Centronic IDC Assembly Type Male 50Pin

Specifications

Current Rate: 5 AMP
 Insulation Resistance: 1000MΩ Min.
 Dielectric Voltage: 1000V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 Standard: PBT
 Shell: ABS, Black
 Terminal: Copper Alloy



Order Information

C E N I A A - M 5 0 G B - L

M: Male
 No. of contacts
 G: Gold Flash
 B: Black Insulator
 L: RoHS + P.B.T

Standard Recommend

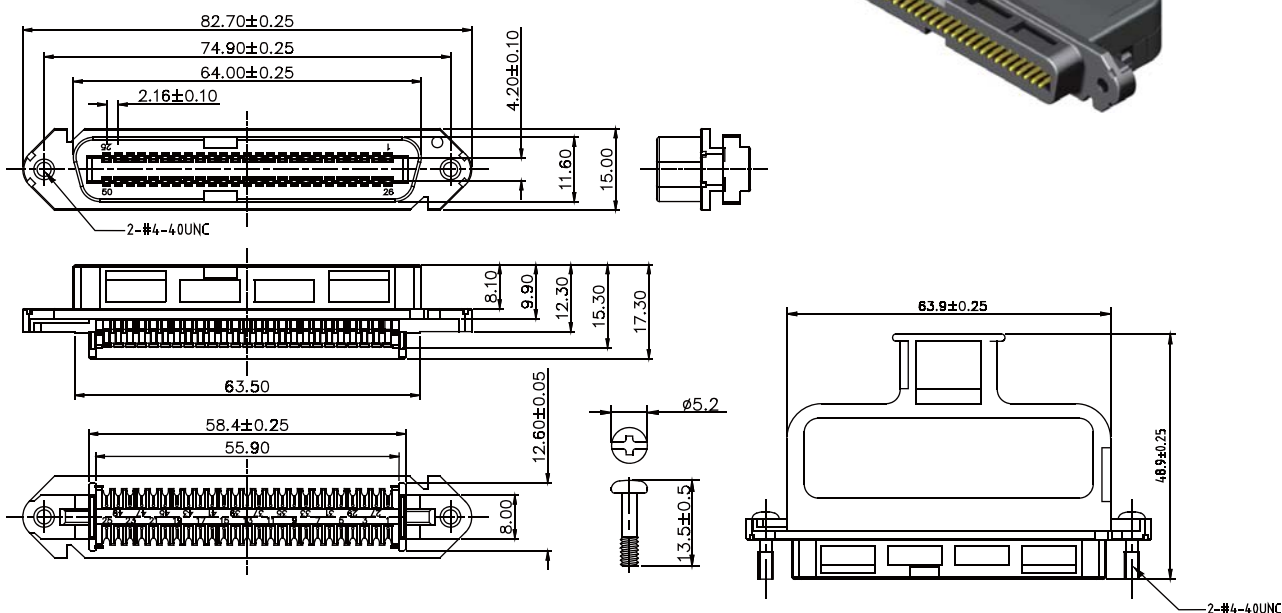
Centronic IDC Assembly Type Female 50Pin

Specifications

Current Rate: 5 AMP
 Insulation Resistance: 1000MΩ Min.
 Dielectric Voltage: 1000V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 Standard: PBT
 Shell: ABS, Black
 Terminal: Copper Alloy



Order Information

C E N I A A - F 5 0 G B - L

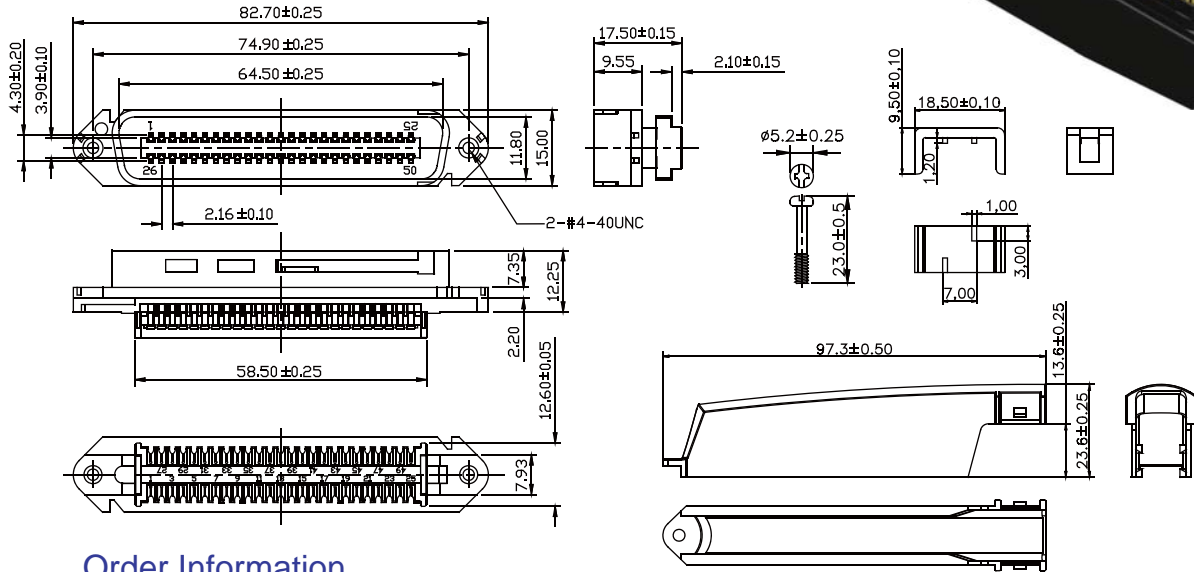
F: Female
 No. of contacts
 G: Gold Flash
 B: Black Insulator
 L: RoHS + P.B.T

Standard Recommend

Centronic IDC Assembly Type Male 50Pin

Specifications
 Current Rate:5 AMP
 Insulation Resistance:1000MΩ Min.
 Dielectric Voltage:1000V AC for one minute
 Operation Temperature:-55°C to +105°C

Material
 Insulator:Polyester,UL 94V-0
 ©Standard:PBT
 Shell:ABS , Black
 Terminal:Copper Alloy



Order Information

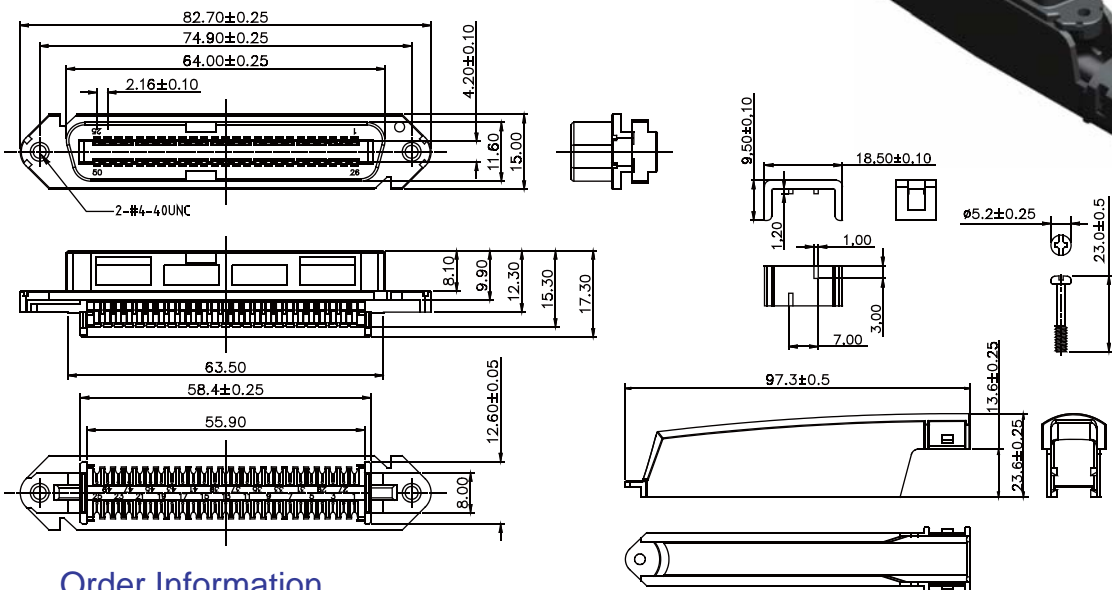
C E N I A B - M 5 0 G B - L

©:Standard Recommend M:Male No. of contacts ©G:Gold Flash B:Black Insulator L:RoHS + P.B.T

Centronic IDC Assembly Type Female 50Pin

Specifications
 Current Rate:5 AMP
 Insulation Resistance:1000MΩ Min.
 Dielectric Voltage:1000V AC for one minute
 Operation Temperature:-55°C to +105°C

Material
 Insulator:Polyester,UL 94V-0
 ©Standard:PBT
 Shell:ABS , Black
 Terminal:Copper Alloy



Order Information

C E N I A B - F 5 0 G B - L

©:Standard Recommend F:Female No. of contacts ©G:Gold Flash B:Black Insulator L:RoHS + P.B.T

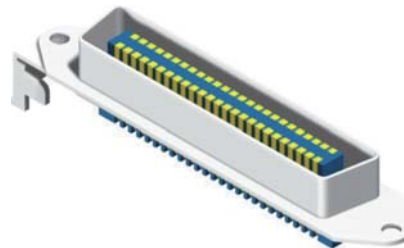
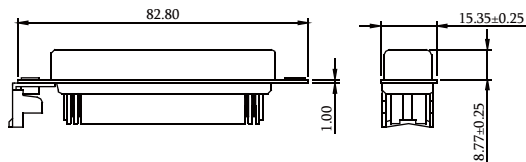
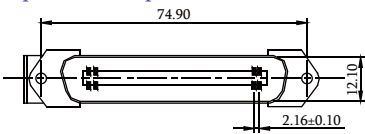
Centronic IDC Type Male 50Pin

Specifications

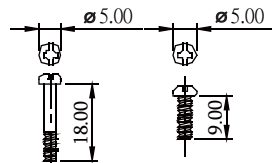
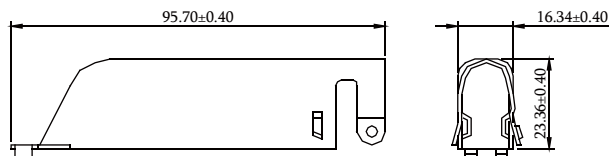
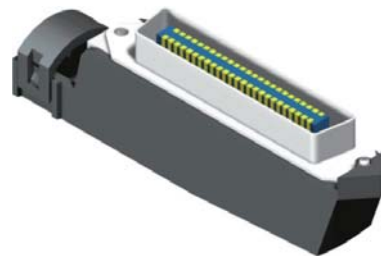
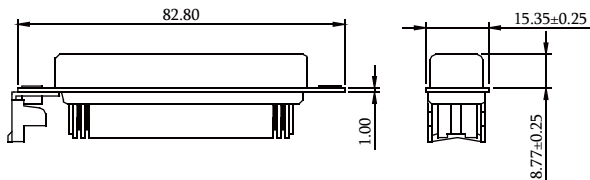
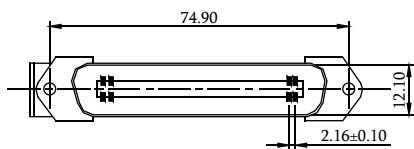
Current Rate: 5 AMP
 Insulation Resistance: 1000MΩ Min.
 Dielectric Voltage: 1000V AC for one minute
 Operation Temperature: -55°C to +105°C

Material

Insulator: Polyester, UL 94V-0
 ©Standard: PBT
 Shell: Steel, Zinc Plated
 Terminal: Copper Alloy

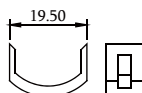
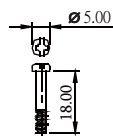
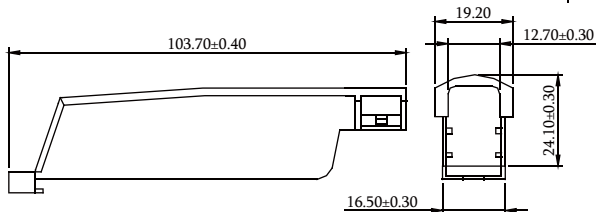
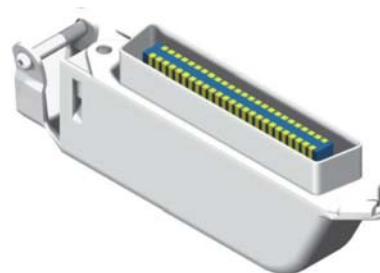
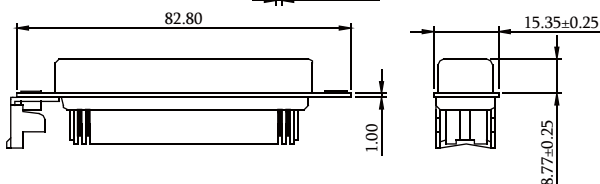
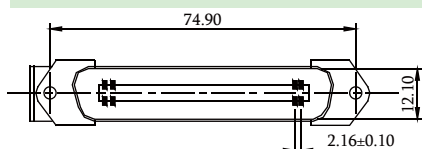


Part No.: CENIB-M50-L



MATEL COVER

Part No.: CENIBA-M50-L



PLASTIC COVER

Part No.: CENIBB-M50-L

Order Information

C E N I X - M 5 0 G U - L

©:Standard Recommend

B:Blank
 BA:A Type
 BB:B Type

M:Male

No. of contacts

©G:Gold Flash
 GF:Gold 15u"
 GD:Gold 30u"

U:Blue Insulator

L:RoHS + P.B.T



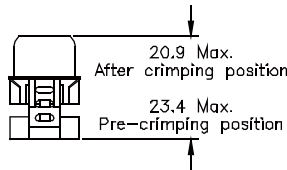
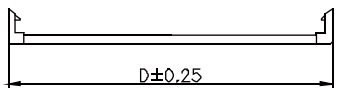
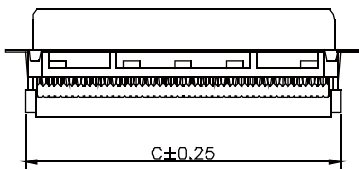
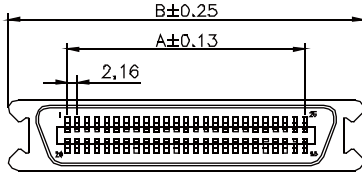
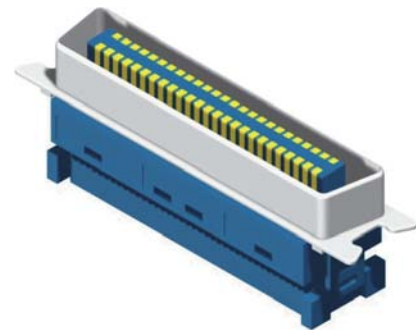
Centronic Conn. Series

RoHS

Centronic IDC Type Male 50Pin

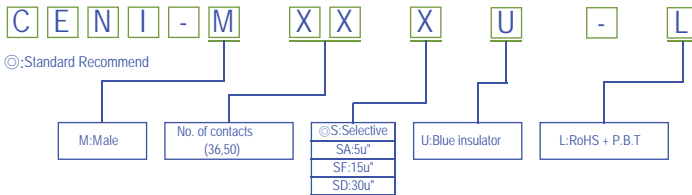
Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Dielectric Voltage: 1000V AC for one minute
 Contact Resistance: 25mΩ Min.
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Shell: Steel
 Terminal: Copper Alloy



No. of Contacts	Dimensions			
	A	B	C	D
24	23.76	49.30	35.50	37.50
36	36.72	62.00	51.50	53.75
50	51.84	77.40	68.50	70.90

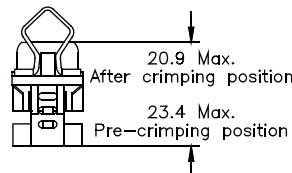
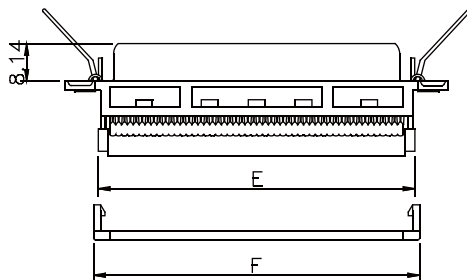
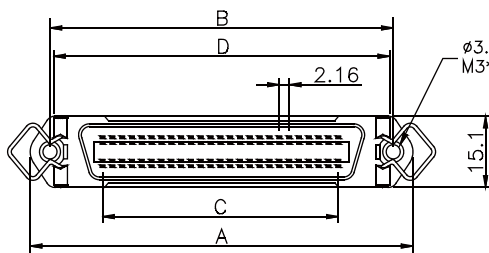
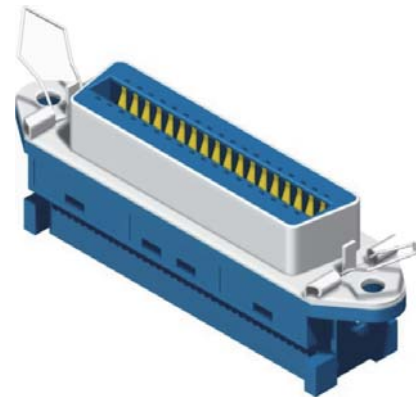
Order Information



Centronic IDC Type Female 50Pin

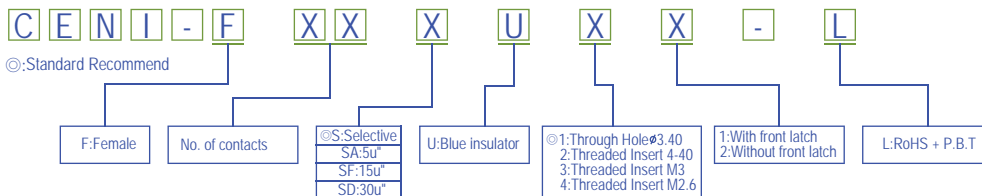
Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Dielectric Voltage: 1000V AC for one minute
 Contact Resistance: 25mΩ Min.
 Operation Temperature: -55°C to +105°C

Material
 Insulator: Polyester, UL 94V-0
 Standard: PBT
 Shell: Steel
 Terminal: Copper Alloy



No. of Contacts	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

Order Information



CONNECTOR MANUFACTURER

V.35

- 5-43 ▶ V.35 Male Terminal / Housing
- 5-44 ▶ V.35 Female Terminal / Housing
- 5-45 ▶ V.35 Cable Conn. For Housing
- 5-45 ▶ V.35 Female Right Angle Type

DVI

- 5-46 ▶ DVI Female Right Angle 24Pin
- 5-46 ▶ DVI Female Right Angle 29Pin
- 5-47 ▶ DVI Female Straight Dip Type 24Pin
- 5-47 ▶ DVI Female Straight Dip Type 29Pin
- 5-48 ▶ DVI Female Solder Type 24Pin
- 5-48 ▶ DVI Female Solder Type 29Pin
- 5-49 ▶ DVI Male Solder Type 24Pin
- 5-49 ▶ DVI Male Solder Type 29Pin

HDMI

- 5-50 ▶ HDMI Male Solder 19 Pin
- 5-50 ▶ HDMI Male Solder 19 Pin
- 5-51 ▶ HDMI Male Solder 19 Pin
- 5-51 ▶ HDMI Male Solder 19 Pin
- 5-52 ▶ HDMI Female 19 Pin SMT Type
- 5-52 ▶ HDMI Female 19 Pin SMT Type With Flag
- 5-52 ▶ HDMI Female 19 Pin Dip 90° Type
- 5-53 ▶ Mirco HDMI Male 19 Pin Solder Type
- 5-53 ▶ Mirco HDMI Female 19 Pin SMT Type
- 5-53 ▶ Mirco HDMI Female 19 Pin SMT Type

SIM Card & Battery Holder

- 5-54 ▶ SIM / Mini SD / Micro Card Conn. Series
- 5-55 ▶ Smart Card Conn.
- 5-56 ▶ Battery Holder Conn. Coin Type
- 5-57 ▶ Battery Holder Conn. Coin Type
- 5-58 ▶ Battery Holder Conn. Coin Type
- 5-59 ▶ Battery Holder Conn. Coin Type
- 5-60 ▶ Battery Holder Conn. Coin Type
- 5-61 ▶ Battery Holder Conn. Coin / Clips Type

RCA

- 5-62 ▶ RCA JACK Conn.
- 5-63 ▶ RCA JACK Conn.
- 5-64 ▶ RCA JACK Conn.
- 5-65 ▶ RCA JACK Conn.

DC Jack

- 5-66 ▶ DC JACK Conn.
- 5-67 ▶ DC JACK Conn.
- 5-68 ▶ DC JACK Conn.

Earphone Jack

- 5-69 ▶ EARPHONE JACK Conn.
- 5-70 ▶ EARPHONE JACK Conn.
- 5-71 ▶ EARPHONE JACK Conn.
- 5-72 ▶ EARPHONE JACK Conn.

SATA

- 5-73 ▶ S.ATA Conn. Series
- 5-74 ▶ S.ATA Conn. Series
- 5-75 ▶ S.ATA Conn. Series
- 5-76 ▶ S.ATA Conn. Series
- 5-77 ▶ S.ATA Conn. Series
- 5-78 ▶ S.ATA Conn. Series
- 5-79 ▶ S.ATA Conn. Series
- 5-80 ▶ S.ATA Conn. Series
- 5-81 ▶ S.ATA Conn. Series
- 5-82 ▶ S.ATA Conn. Series
- 5-83 ▶ S.ATA Conn. Series
- 5-84 ▶ S.ATA Conn. Series
- 5-85 ▶ S.ATA Conn. Series



E.SATA

- 5-86 ▶ E.SATA Conn. Series
- 5-87 ▶ E.SATA Conn. Series
- 5-88 ▶ E.SATA Conn. Series

BNC

- 5-89 ▶ BNC Conn.
- 5-90 ▶ BNC & TNC Conn.

SMA

- 5-91 ▶ SMA Conn.
- 5-92 ▶ SMA Conn.
- 5-93 ▶ SMA Conn.

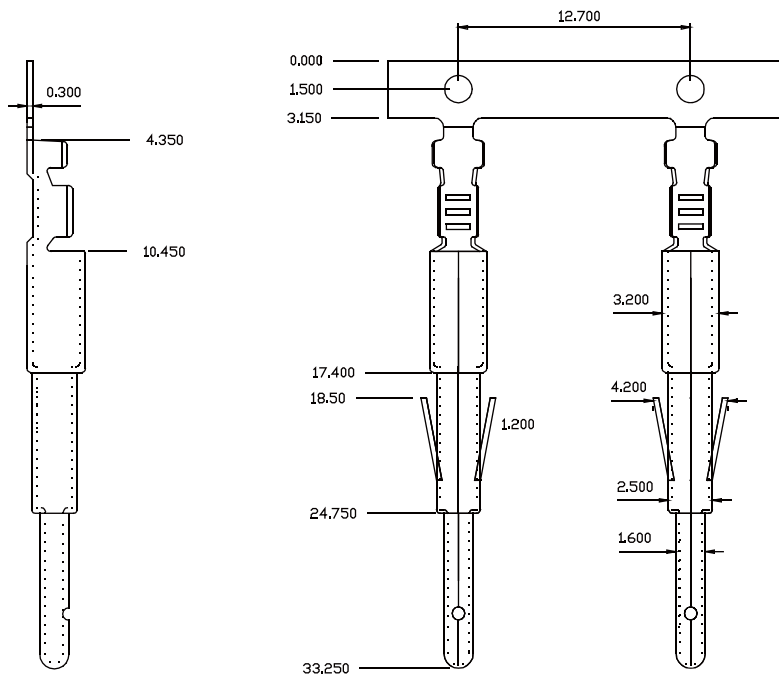
SMB

- 5-94 ▶ SMB Conn.

MCX & MMCX

- 5-95 ▶ MCX Conn.
- 5-96 ▶ MCX & MMCX Conn.
- 5-97 ▶ MMCX Conn.

V.35 Male Terminal



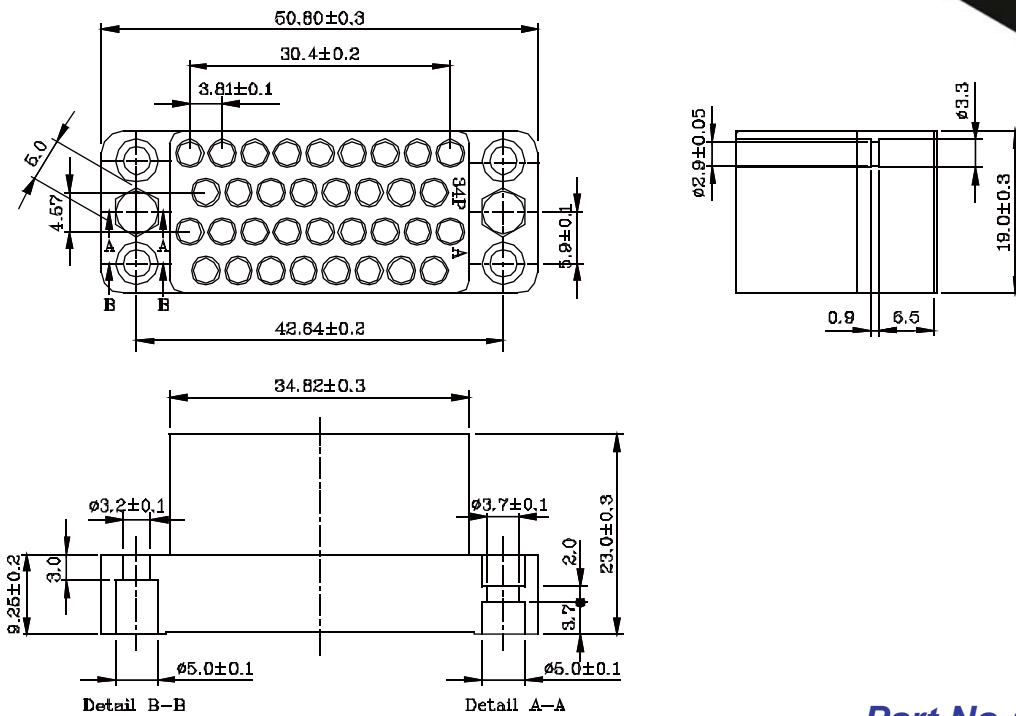
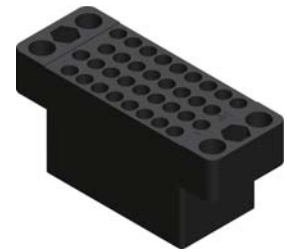
Part No.	Wire Range	Material	Finish	Qty/Reel
V35C-MT-L	AWG#22-#28	Phosphor Bronze	Gold Flash	2500pcs

Part No.:V35C-MT-L

V.35 Male Housing

Specifications
 Current Rate:7 AMP
 Insulation Resistance:1000MΩ Min.
 Dielectric Voltage:1200V AC for one minute
 Contact Resistance:200V AC for one minute
 Operation Temperature:-55°C to +105°C

Material
 Insulator:Polyester,UL 94V-0,Black
 ©Standard:PBT



Part No.:V35C-M34B-L

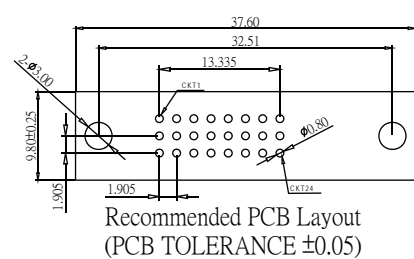
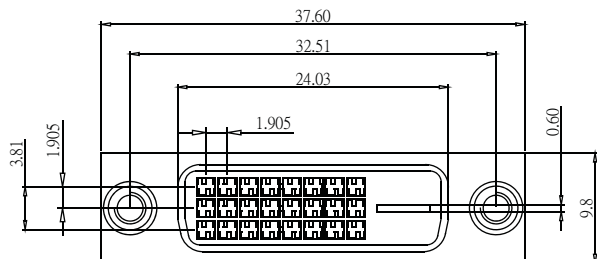
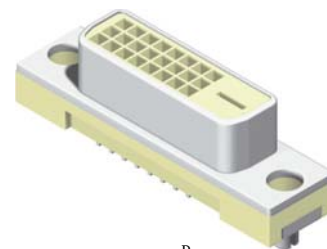
DVI Female Straight Dip Type 24Pin

Specifications

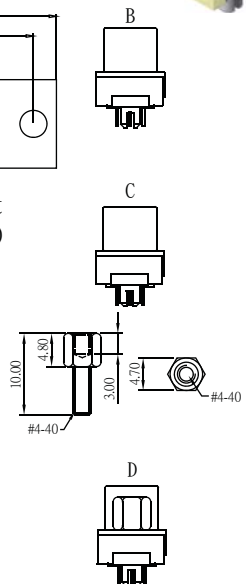
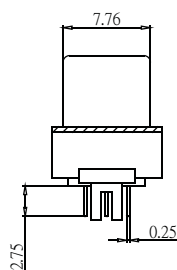
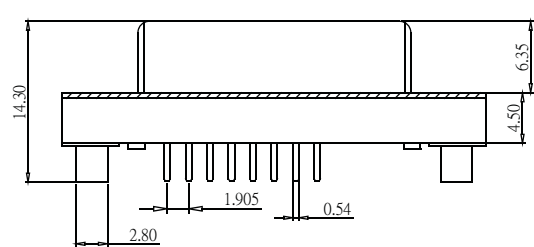
Current Rate:1 AMP
 Insulation Resistance:1000MΩ Min.
 Contact Resistance:30mΩ Max.
 Dielectric Voltage:250V AC for one minute
 Operation Temperature:-55°C to +85°C

Material

Insulator:Polyester,UL 94V-0
 © Standard:Nylon 66
 Terminal:Copper Alloy
 Plated:Selective Plated



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



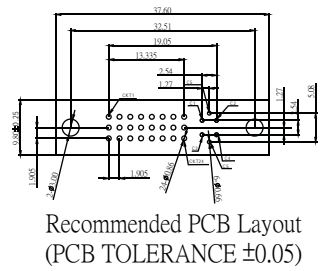
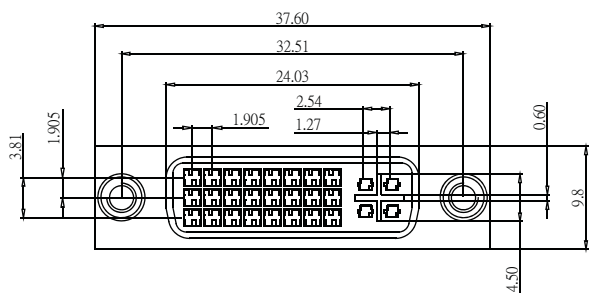
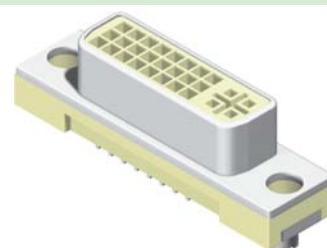
DVI Female Straight Dip Type 29Pin

Specifications

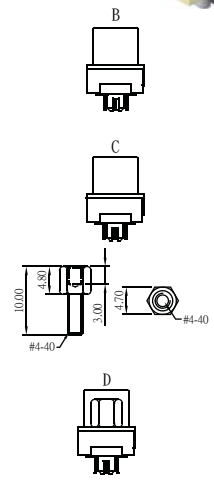
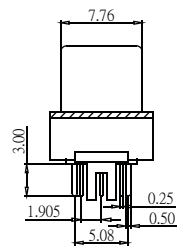
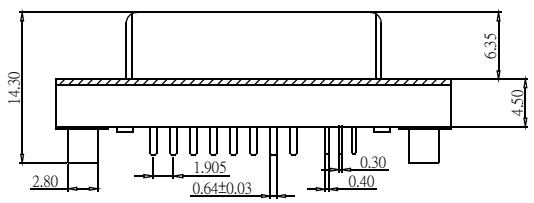
Current Rate:1 AMP
 Insulation Resistance:1000MΩ Min.
 Contact Resistance:30mΩ Max.
 Dielectric Voltage:250V AC for one minute
 Operation Temperature:-55°C to +85°C

Material

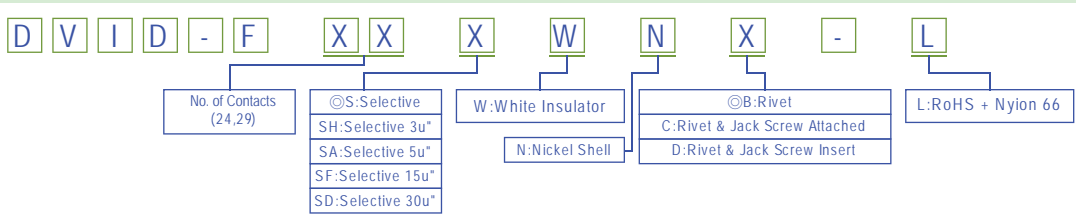
Insulator:Polyester,UL 94V-0
 © Standard:Nylon 66
 Terminal:Copper Alloy
 Plated:Selective Plated



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



ORDER INFORMATION

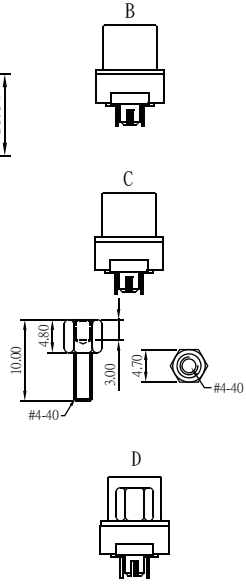
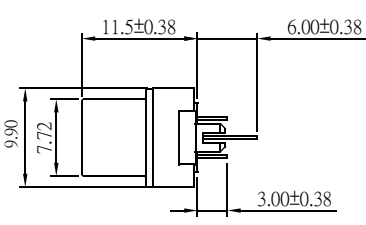
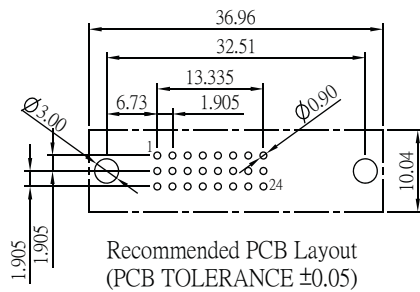
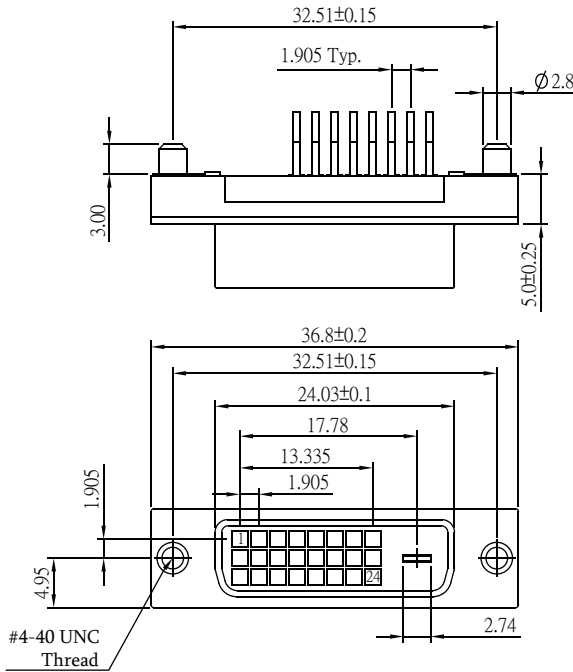
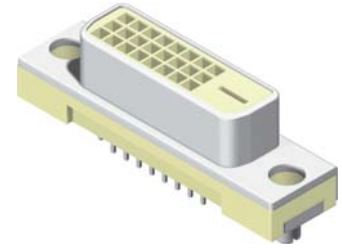




DVI Female Solder Type 24Pin

Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 250V AC for one minute
 Operation Temperature: -55°C to +85°C

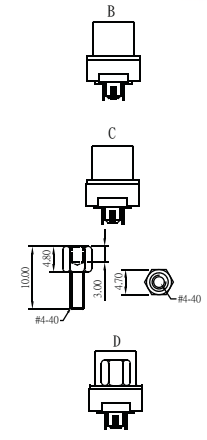
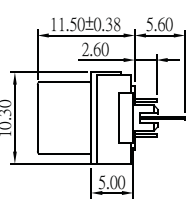
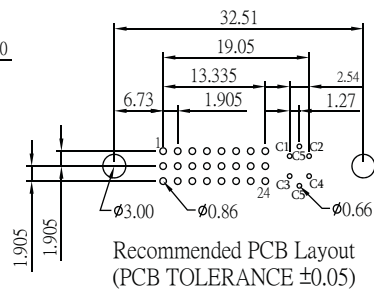
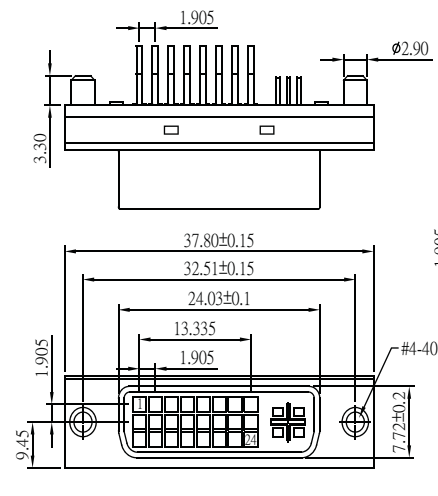
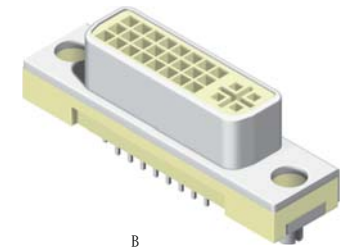
Material
 Insulator: Polyester, UL 94V-0
 © Standard: Nylon 66
 Terminal: Copper Alloy
 Plated: Selective Plated



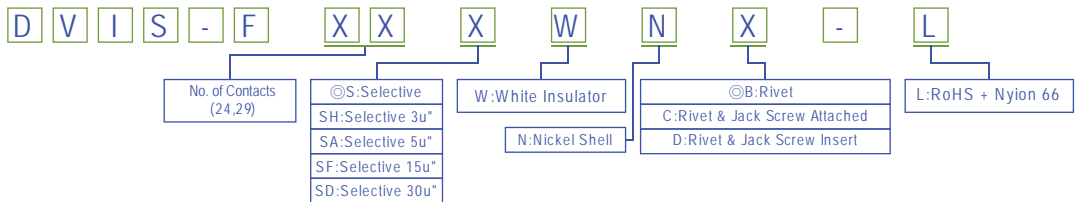
DVI Female Solder Type 29Pin

Specifications
 Current Rate: 1 AMP
 Insulation Resistance: 1000MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 250V AC for one minute
 Operation Temperature: -55°C to +85°C

Material
 Insulator: Polyester, UL 94V-0
 © Standard: Nylon 66
 Terminal: Copper Alloy
 Plated: Selective Plated



ORDER INFORMATION



DVI Conn. Series



CONNECTOR MANUFACTURER

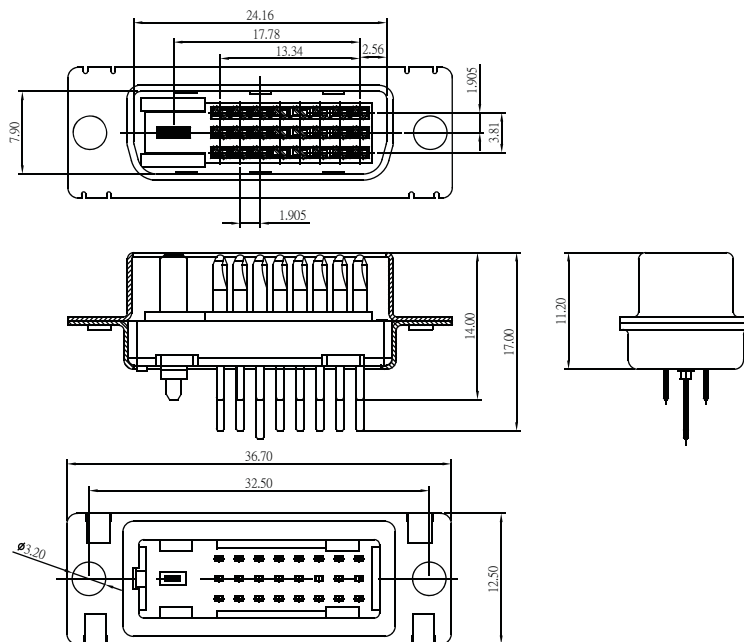
DVI Male Solder Type 24Pin

Specifications

Current Rate:1 AMP
 Insulation Resistance:1000MΩ Min.
 Contact Resistance:30mΩ Max.
 Dielectric Voltage:250V AC for one minute
 Operation Temperature:-55°C to +85°C

Material

Insulator:Polyester,UL 94V-0
 ◎Standard:PBT
 Terminal:Copper Alloy
 Plated:Selective Plated



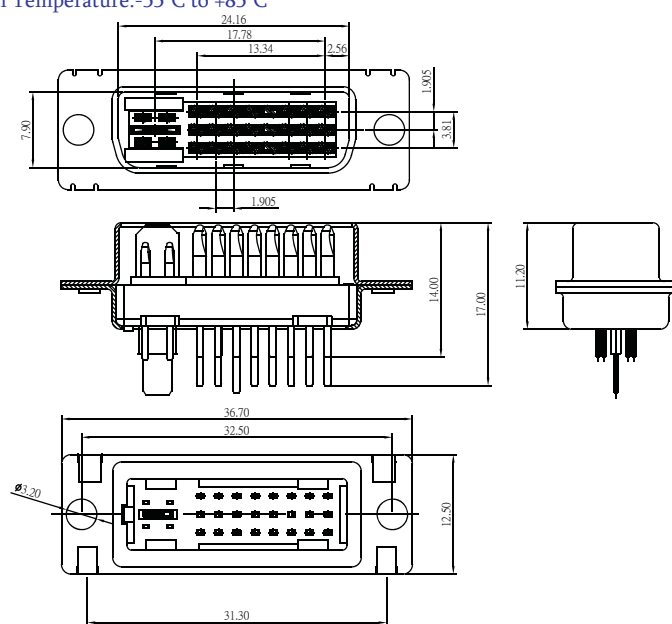
DVI Male Solder Type 29Pin

Specifications

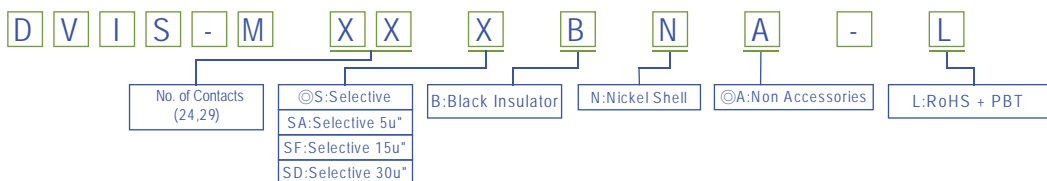
Current Rate:1 AMP
 Insulation Resistance:1000MΩ Min.
 Contact Resistance:30mΩ Max.
 Dielectric Voltage:250V AC for one minute
 Operation Temperature:-55°C to +85°C

Material

Insulator:Polyester,UL 94V-0
 ◎Standard:PBT
 Terminal:Copper Alloy
 Plated:Selective Plated

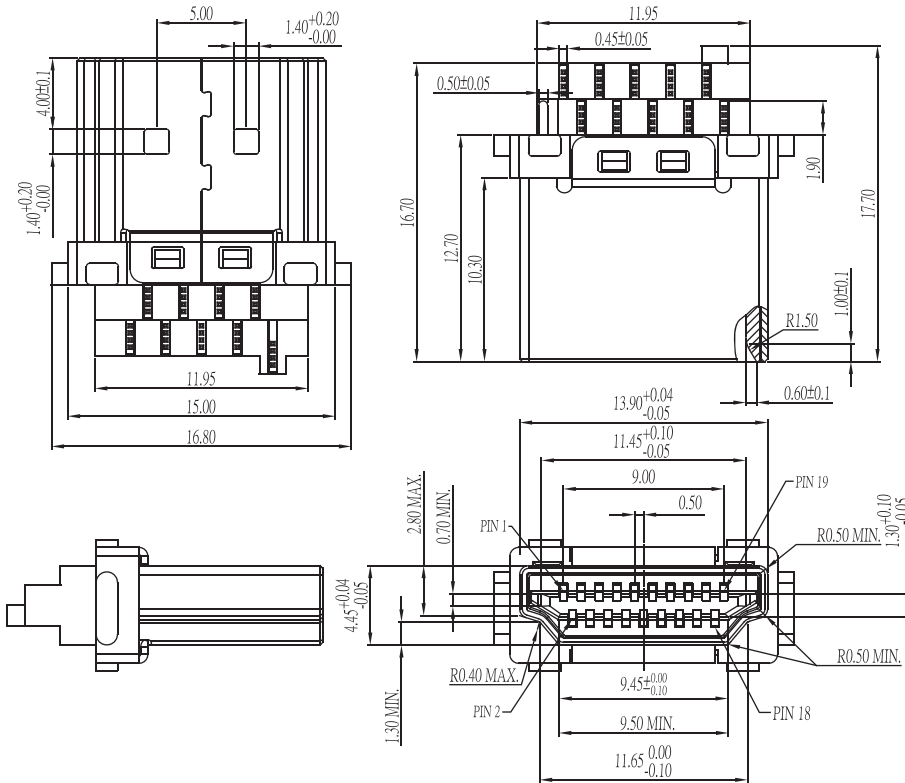


ORDER INFORMATION





HDMI Male Solder 19 Pin



Material:

- 1.1 Housing:Thermoplastic UL94V-0 color:black.
- 1.2 Contact:Phosphor bronze T=0.30mm.
- 1.3 Shell:Copper alloy T=0.40mm.
- 1.4 Spacer Thermoplastic UL94V-0 color:black

Specifications:

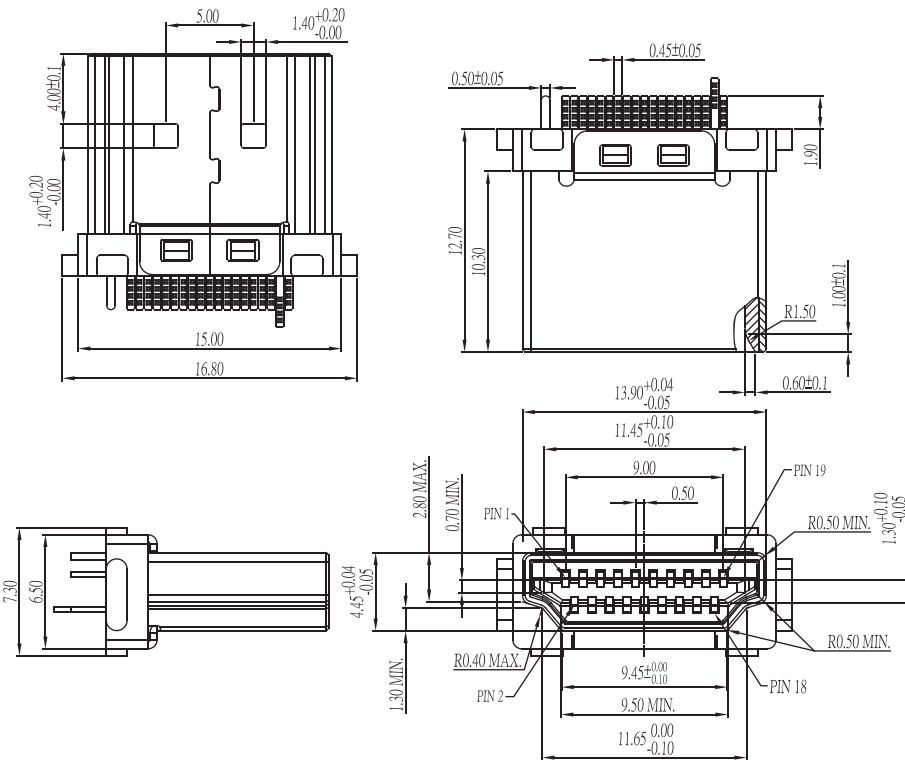
- 2.1 Current rating: 0.5 A Max.
- 2.2 Voltage rating: 40 V ac(rms) Max.
- 2.3 Contact resistance: 50 mΩ Max.
- 2.4 Dielectric withstanding voltage: 100 V(ac) for 1 min.
- 2.5 Insulation resistance:1000 MΩ Min.
- 2.6 Operation temperature range:-25°C~85°C

Part No.:HDMI-M19 SB B N 1-U

Selective 10u" |

Nickel Shell

HDMI Male Solder 19 Pin



Material:

- 1.1 Housing:Thermoplastic UL94V-0 color:black.
- 1.2 Contact:Phosphor bronze T=0.30mm.
- 1.3 Shell:Copper alloy T=0.40mm.
- 1.4 Spacer Thermoplastic UL94V-0 color:black

Specifications:

- 2.1 Current rating: 0.5 A Max.
- 2.2 Voltage rating: 40 V ac(rms) Max.
- 2.3 Contact resistance: 50 mΩ Max.
- 2.4 Dielectric withstanding voltage: 100 V(ac) for 1 min.
- 2.5 Insulation resistance:1000 MΩ Min.
- 2.6 Operation temperature range:-25°C~85°C

Part No.:HDMI-M19 SB B N 2-U

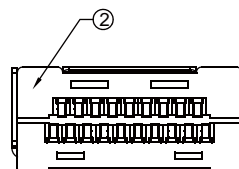
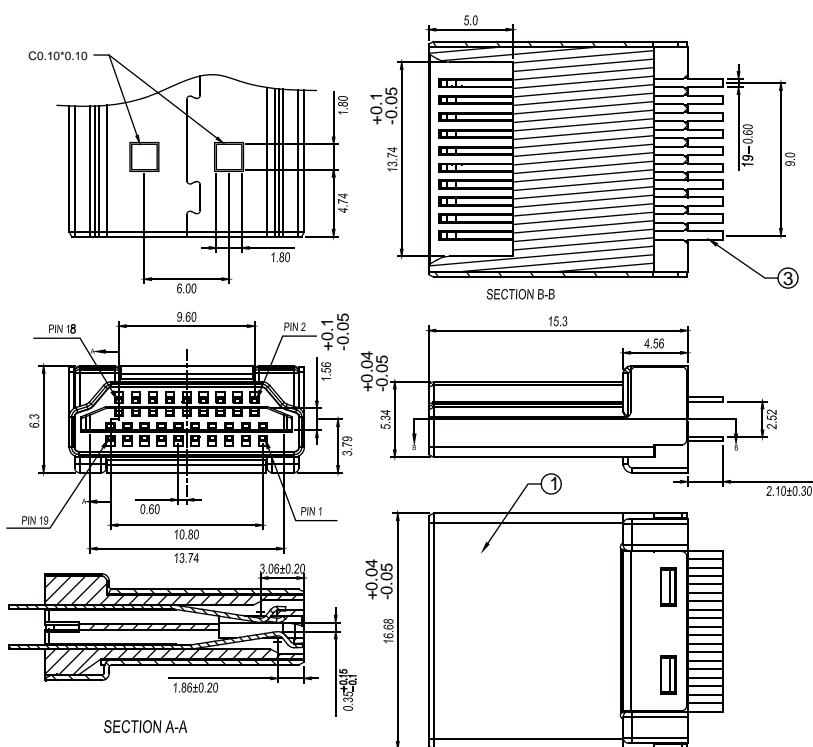
Selective 10u" |

Nickel Shell

HDMI Conn. Series

Pb ROHS

HDMI Male Solder 19 Pin



Material:
 1.1 Housing: Thermoplastic UL94V-0 color: Gray
 1.2 Contact: Phosphor bronze T=0.25mm.
 1.3 Shell: Copper Alloy T=0.30mm.

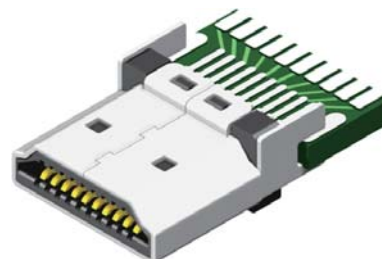
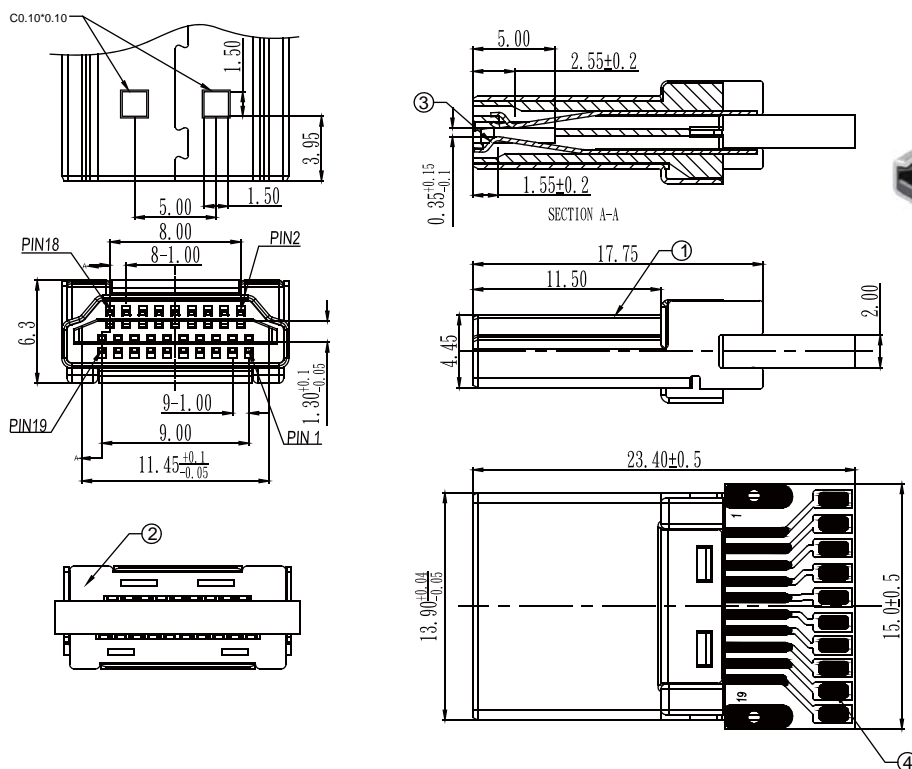
Specifications:
 2.1 Current rating: 0.5 A Max.
 2.2 Voltage rating: 40 V ac(rms) Max.
 2.3 Contact resistance: 60 mΩ Max.
 2.4 Dielectric withstanding voltage: 500 V(ac) for 1 min.
 2.5 Insulation resistance: 100 MΩ Min.
 2.6 Operation temperature range: -20°C~85°C

Part No.: HDMI-M19 SF Y N 3-U

Selective 15u"

Nickel Shell

HDMI Male Solder 19 Pin



Material:
 1.1 Housing: Thermoplastic UL94V-0 color: Gray
 1.2 Contact: Phosphor bronze T=0.25mm.
 1.3 Shell: Copper Alloy T=0.30mm.

Specifications:
 2.1 Current rating: 0.5 A Max.
 2.2 Voltage rating: 40 V ac(rms) Max.
 2.3 Contact resistance: 60 mΩ Max.
 2.4 Dielectric withstanding voltage: 500 V(ac) for 1 min.
 2.5 Insulation resistance: 100 MΩ Min.
 2.6 Operation temperature range: -20°C~85°C

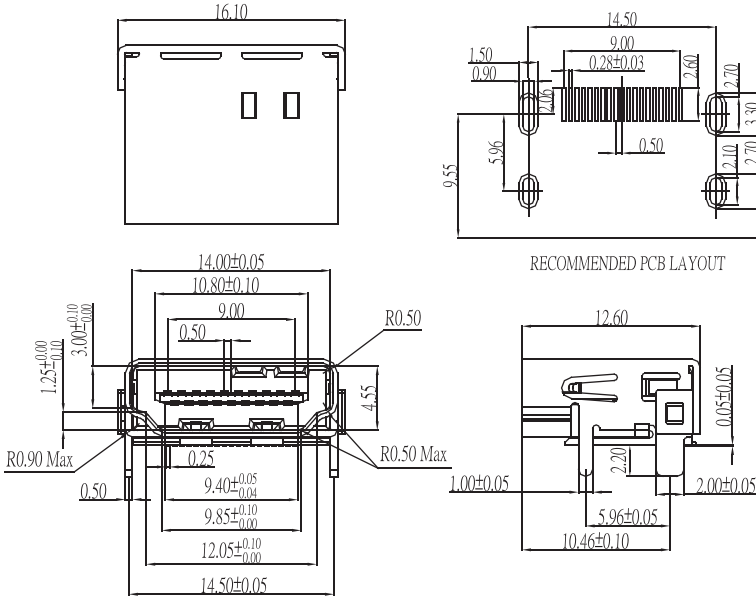
Part No.: HDMI-M19 SF Y N 4-U

Selective 15u"

Nickel Shell



HDMI Female 19 Pin SMT Type



Material:

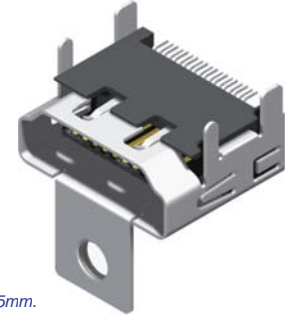
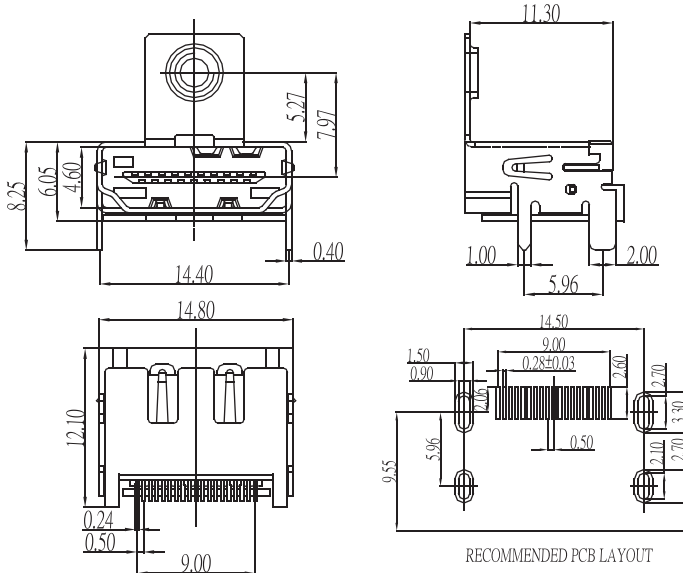
- 1.1 Housing: L.C.P. color:balck.
- 1.2 Contact:Phosphor bronze T=0.25mm.
- 1.3 Shell:Copper alloy T=0.50mm.

Specifications:

- 2.1 Current rating: 0.5 A Max.
- 2.2 Voltage rating: 40 V AC(rms) Max.
- 2.3 Contact resistance: 50 milliohms Max.
- 2.4 Dielectric withstanding voltage: 100 V(ac) for 1 min.
- 2.5 Insulation resistance:1000 MW Min.
- 2.6 Operation temperature range:-25°C-85°C

Part No.:HDMIM-F19 SB BA-U
Selective 10u"┘

HDMI Female 19 Pin SMT Type With Flag



Material:

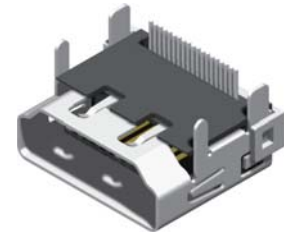
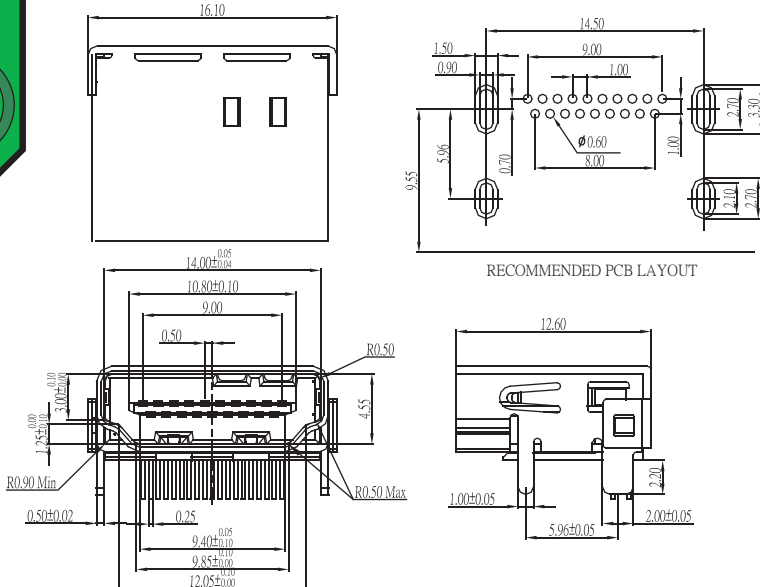
- 1.1 Housing: L.C.P. color:balck.
- 1.2 Contact:Phosphor bronze T=0.25mm.
- 1.3 Shell:Copper alloy T=0.50mm.

Specifications:

- 2.1 Current rating: 0.5 A Max.
- 2.2 Voltage rating: 40 V AC(rms) Max.
- 2.3 Contact resistance: 50 milliohms Max.
- 2.4 Dielectric withstanding voltage: 100 V(ac) for 1 min.
- 2.5 Insulation resistance:1000 MW Min.
- 2.6 Operation temperature range:-25°C-85°C

Part No.:HDMIM-F19 SB BB-U
Selective 10u"┘

HDMI Female 19 Pin Dip 90° Type



Material:

- 1.1 Housing: L.C.P. color:balck.
- 1.2 Contact:Phosphor bronze T=0.25mm.
- 1.3 Shell:Copper alloy T=0.50mm.

Specifications:

- 2.1 Current rating: 0.5 A Max.
- 2.2 Voltage rating: 40 V AC(rms) Max.
- 2.3 Contact resistance: 50 milliohms Max.
- 2.4 Dielectric withstanding voltage: 100 V(ac) for 1 min.
- 2.5 Insulation resistance:1000 MW Min.
- 2.6 Operation temperature range:-25°C-85°C

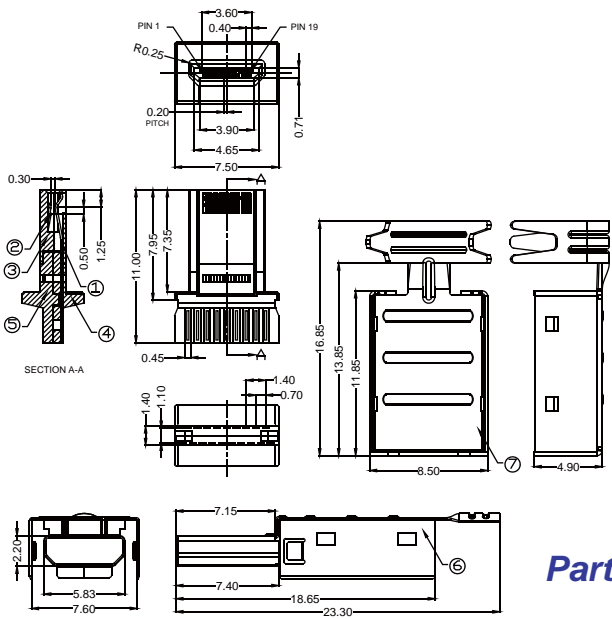
Part No.:HDMIR-F19 SB B-U
Selective 10u"┘

HDMI Conn. Series



ROHS

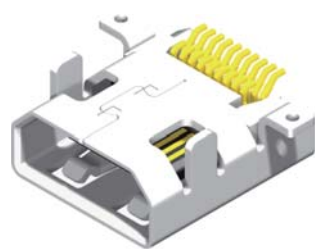
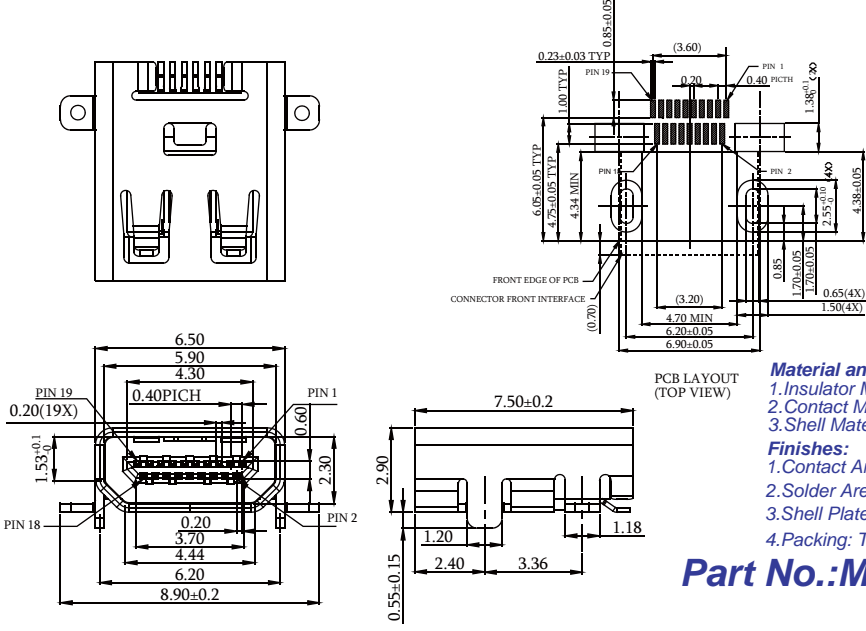
Micro HDMI Male 19 Pin Solder Type (HDMI D Type)



ITEM	PART NAME	QTY/EA	MATERIALS	NOTE
⑦	BACK SHELL	1	SPCC	
⑥	FRONT SHELL	1	Brass H/2 or SPCC	
⑤	BOTTOM COVER	1	LCP	
④	TOP COVER	1	LCP	
③	HOUSING	1	LCP	UL 94V-0
②	10P CONTACT	1	COPPER ALLOY	GL0D, OR NICKEL PLATING
①	9P CONTACT	1	COPPER ALLOY	CU ALL OVER, PLATED OVER NICKEL

Part No.:MIHDMI-M19 SF B N 1-U
 Selective 15u" Nickel Shell

Micro HDMI Female 19 Pin SMT Type

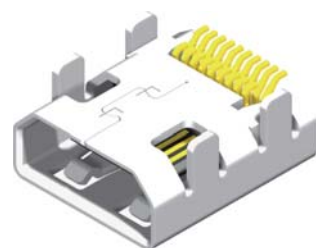
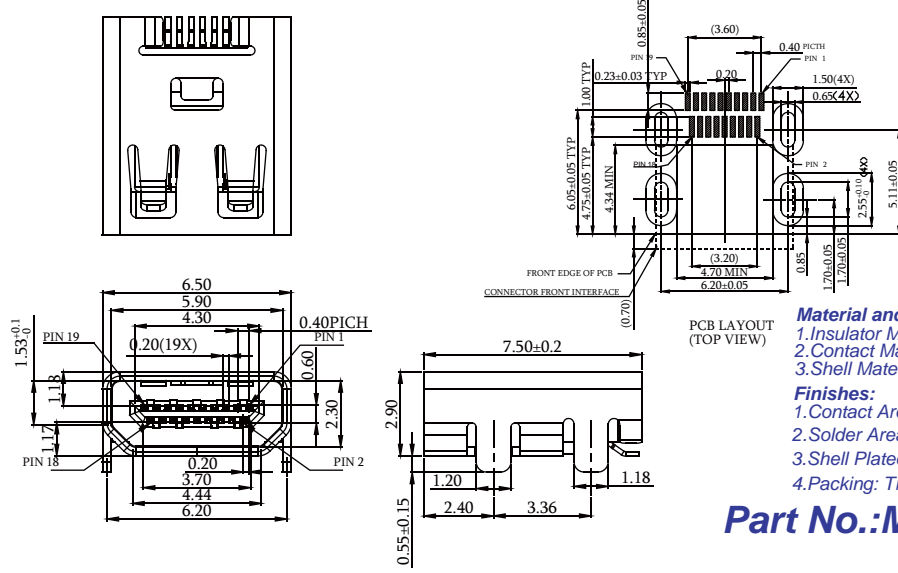


Material and Finish:
 1. Insulator Material: LCP+30
 2. Contact Material: Phosphor Bronze
 3. Shell Material: Brass/STAINLESS STEEL

Finishes:
 1. Contact Area Plated: Gold 15u" Plated Over Nickel 50u".
 2. Solder Area Plated: Tin Plated(100u" min Lead Free)
 3. Shell Plated: Nickel/MATTE TIN 80u" Plated Over Cu 50u"
 4. Packing: Tray

Part No.:MIHDMIM-F19 SF BA-U
 Selective 15u"

Micro HDMI Female 19 Pin SMT Type



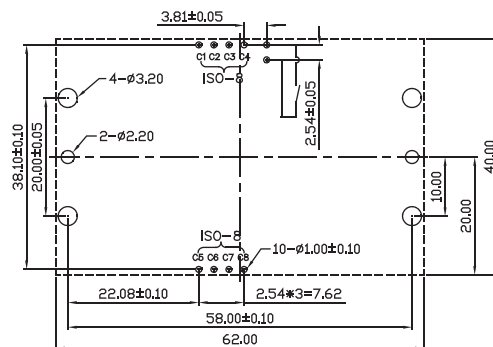
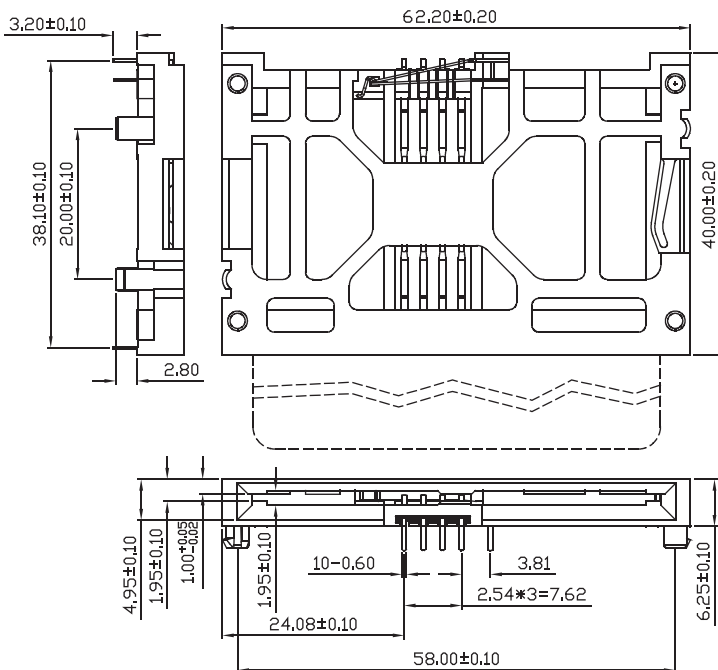
Material and Finish:
 1. Insulator Material: LCP+30
 2. Contact Material: Phosphor Bronze
 3. Shell Material: Brass/STAINLESS STEEL

Finishes:
 1. Contact Area Plated: Gold 15u" Plated Over Nickel 50u".
 2. Solder Area Plated: Tin Plated(100u" min Lead Free)
 3. Shell Plated: Nickel/MATTE TIN 80u" Plated Over Cu 50u"
 4. Packing: Tray

Part No.:MIHDMIM-F19 SF B-U
 Selective 15u"

Smart Card Conn.

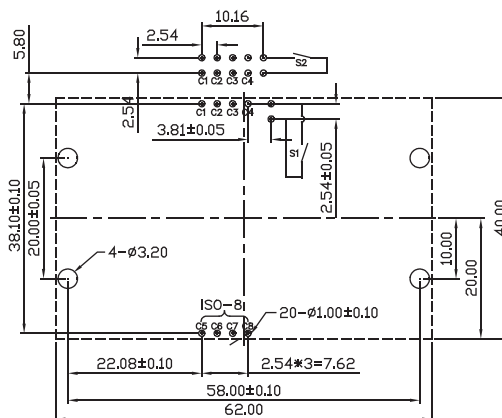
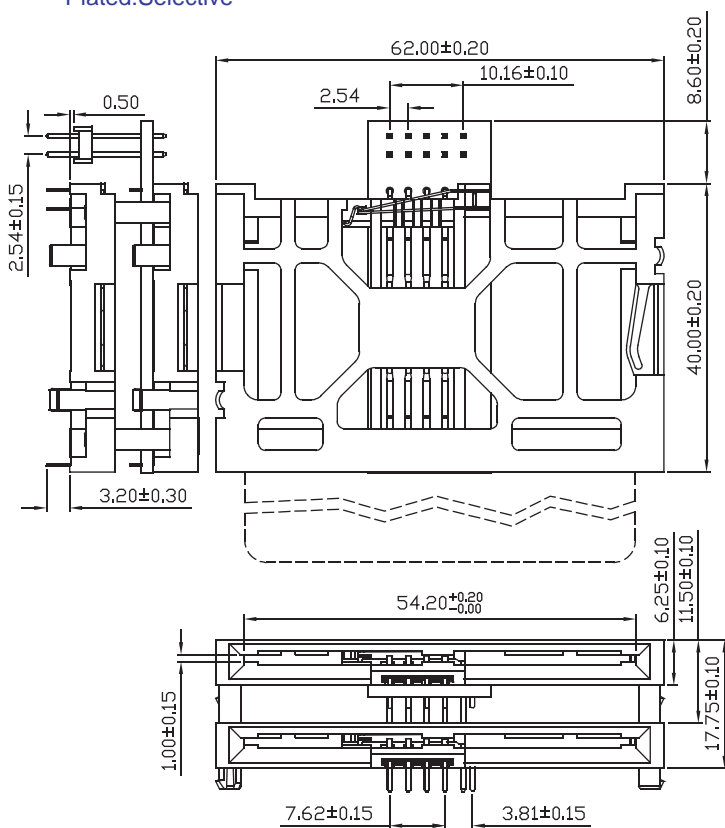
Material
 Insulator Material:LCP,UL 94V-0
 Contact Material:Copper Alloy
 Plated:Selective



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

Part No.:SMAC02-609-U

Material
 Insulator Material:LCP,UL 94V-0
 Contact Material:Copper Alloy
 Plated:Selective



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

Part No.:SMAC02-669-U

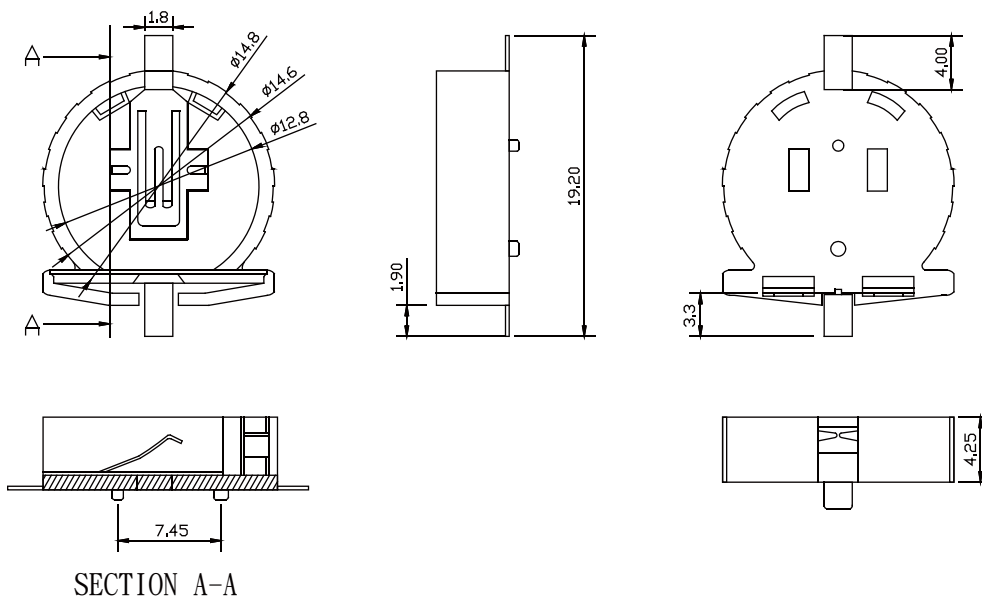


Battery Holder

Pb
ROHS

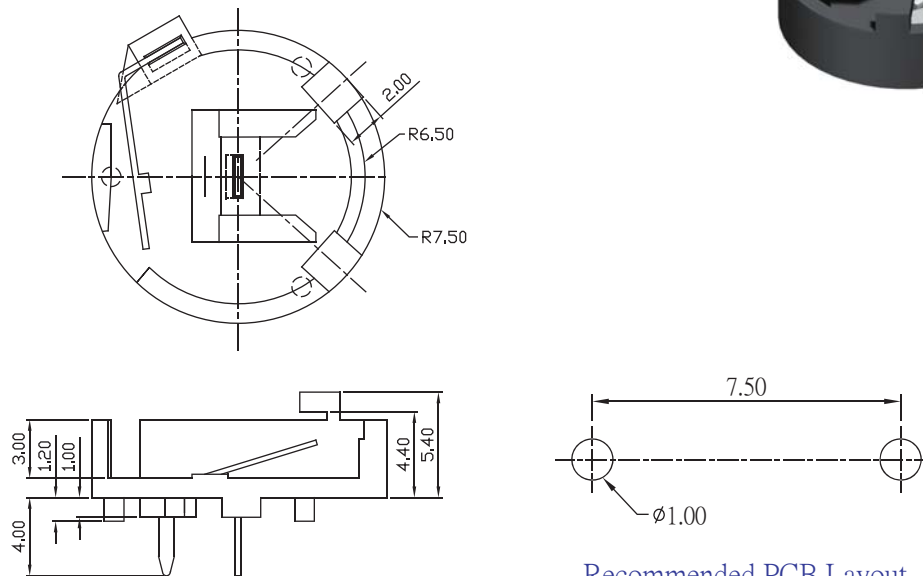
Battery Holder Conn. Coin Type

Material
 Insulator Material:PPS,UL 94V-0
 Terminal:Copper Alloy
 Plated:Gold Plated



Part No.:BTM-1220GN-U

Material
 Insulator Material:PBT,UL 94V-0
 Terminal:Copper Alloy
 Plated:Tin Plated
 For CR1225



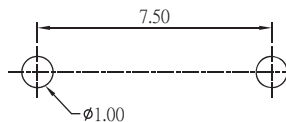
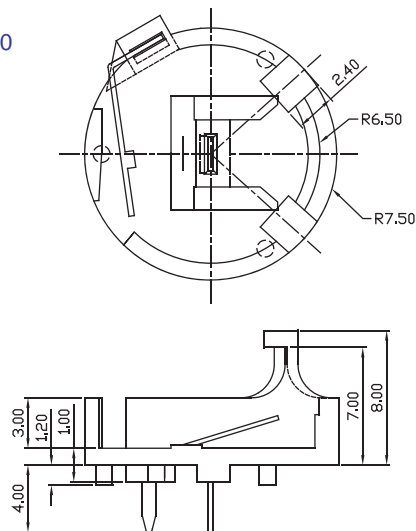
Recommended PCB Layout
 (PCB TOLERANCE ± 0.05)

Part No.:BTD-1225TB-L

AMTEK CONNECTORS MANUFACTURING

Battery Holder Conn. Coin Type

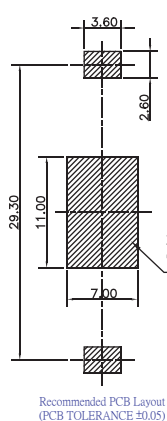
Material
Insulator Material:PBT,UL 94V-0
Contact Material:Copper Alloy
Finish:Tin Plated
For CR1250



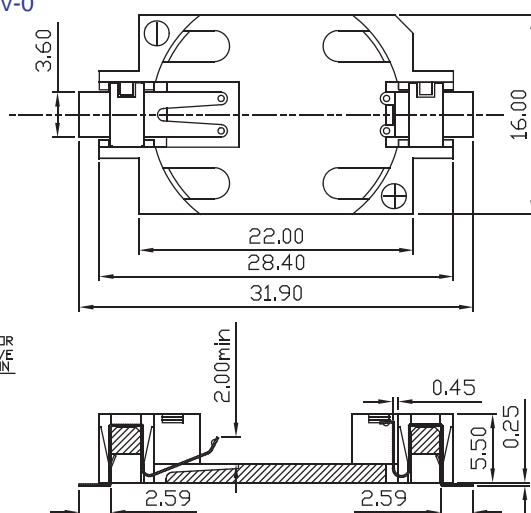
Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

Part No.:BTD-1250TB-L

Material
Insulator Material:LCP,UL 94V-0
Terminal:Copper Alloy
Plated:Gold Plated
For CR2032

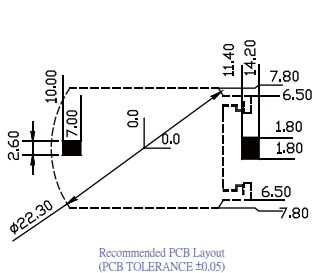


Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

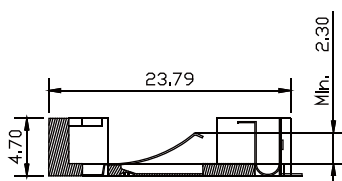
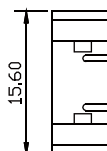
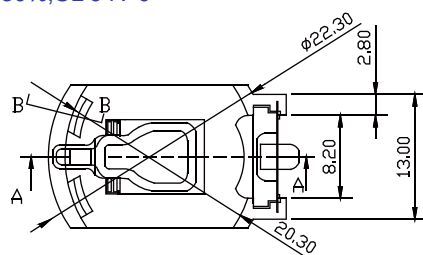


Part No.:BTM-2032GW-U

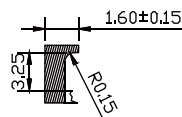
Material
Insulator Material:PPS+G.F 30%,UL 94V-0
Terminal:Copper Alloy
Plated:Gold Plated
For CR2032



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



SECTION B-B



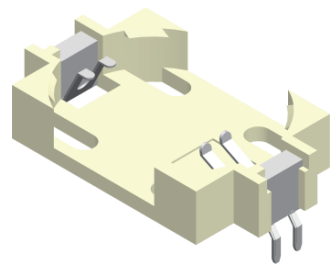
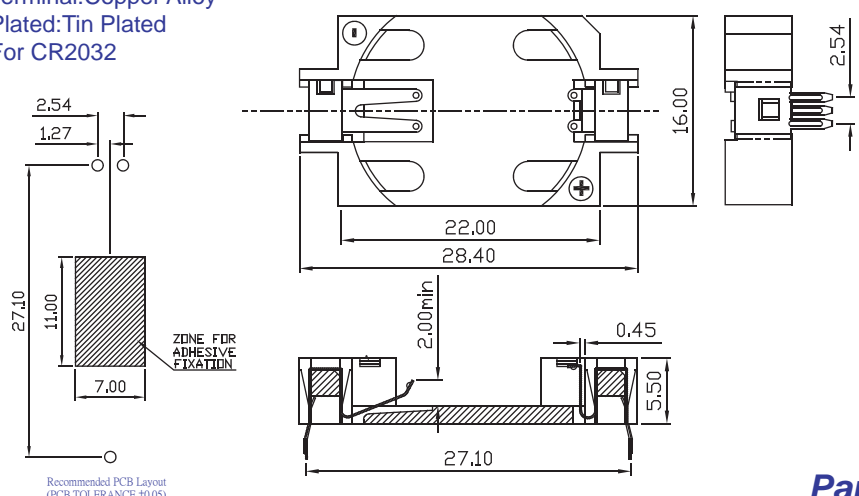
SECTION B-B

Part No.:BTMA-2032GN-U



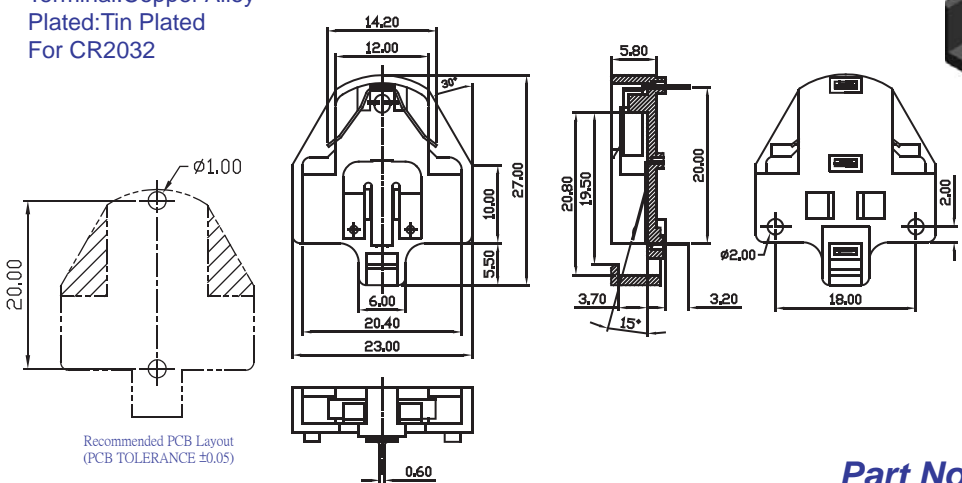
Battery Holder Conn. Coin Type

Material
 Insulator Material: LCP, UL 94V-0
 Terminal: Copper Alloy
 Plated: Tin Plated
 For CR2032



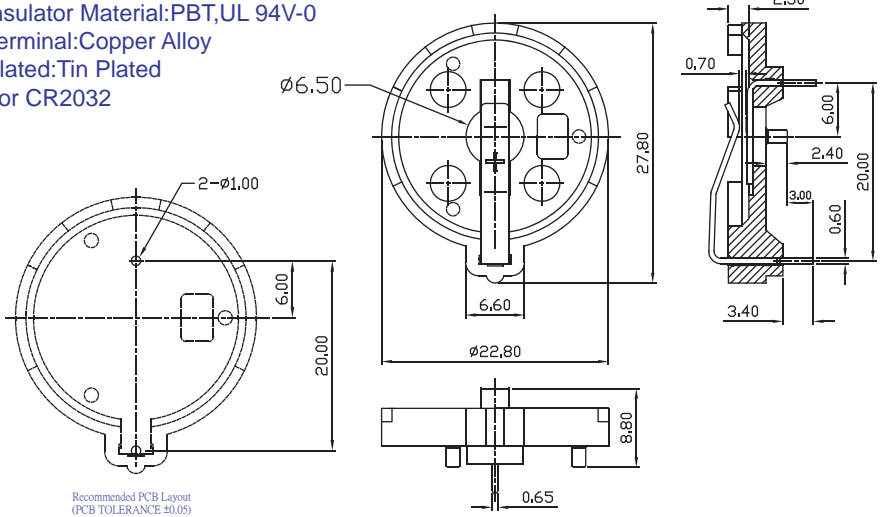
Part No.: **BTD-2032TW-U**

Material
 Insulator Material: PBT, UL 94V-0
 Terminal: Copper Alloy
 Plated: Tin Plated
 For CR2032



Part No.: **BTDA-2032TB-L**

Material
 Insulator Material: PBT, UL 94V-0
 Terminal: Copper Alloy
 Plated: Tin Plated
 For CR2032



Part No.: **BTDB-2032TB-L**

Battery Holder

Pb ROHS

Battery Holder Conn. Coin Type

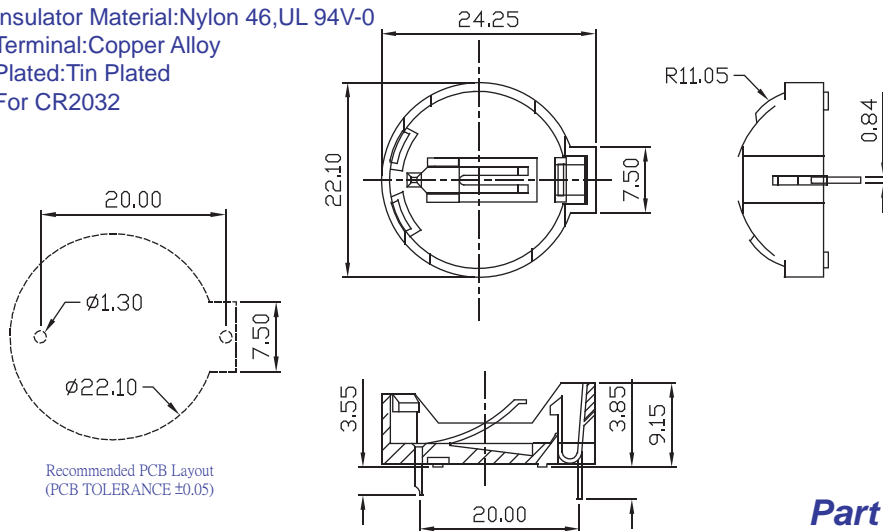
Material

Insulator Material: Nylon 46, UL 94V-0

Terminal: Copper Alloy

Plated: Tin Plated

For CR2032



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



Part No.: BTDC-2032TB-U

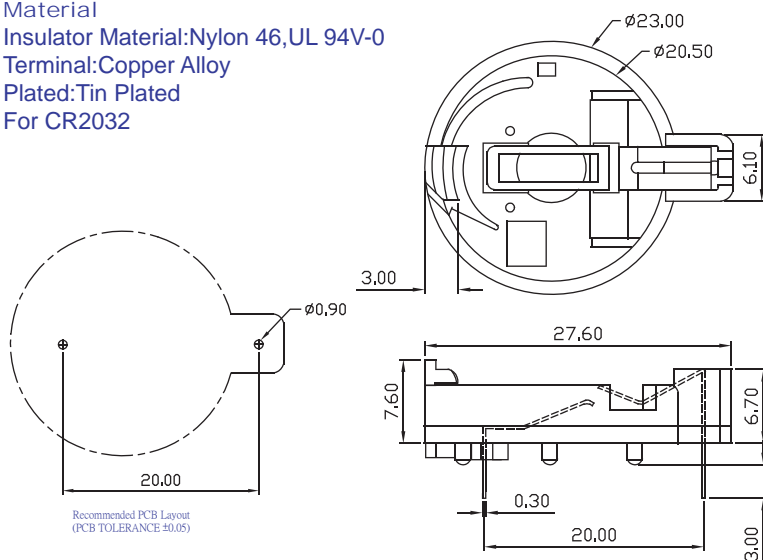
Material

Insulator Material: Nylon 46, UL 94V-0

Terminal: Copper Alloy

Plated: Tin Plated

For CR2032



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



Part No.: BTDD-2032TB-U

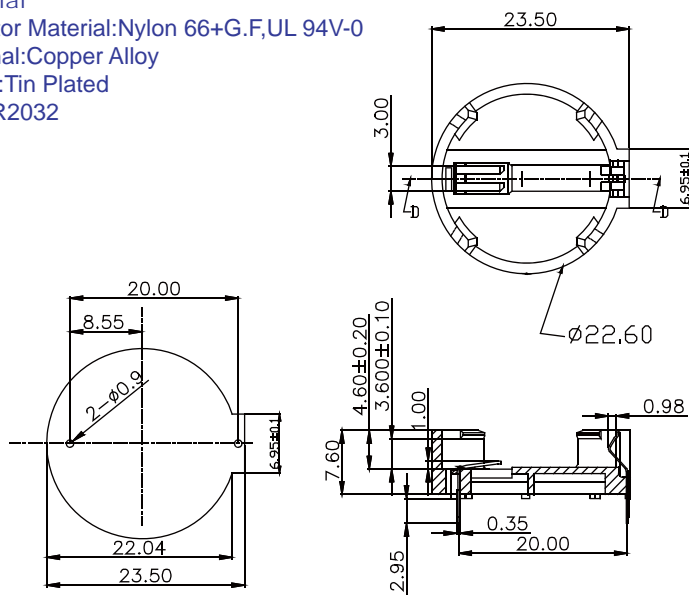
Material

Insulator Material: Nylon 66+G.F, UL 94V-0

Terminal: Copper Alloy

Plated: Tin Plated

For CR2032



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

SECTION D-D



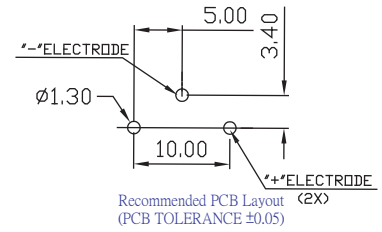
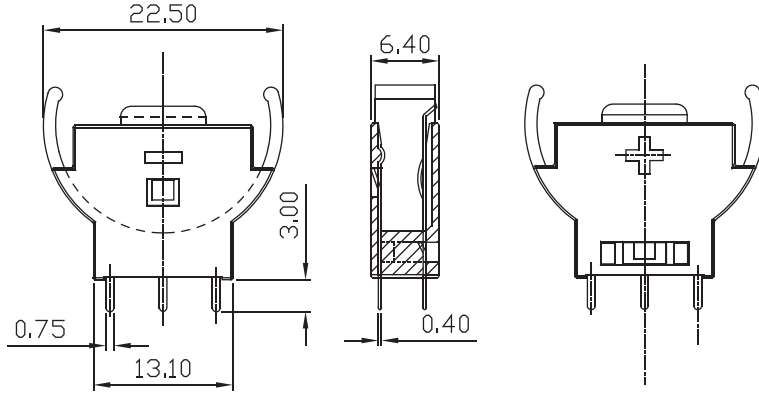
Part No.: BTDE-2032TB-L



CONNECTORS MANUFACTURER

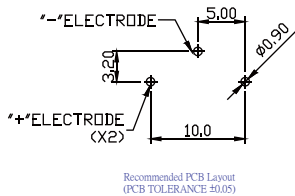
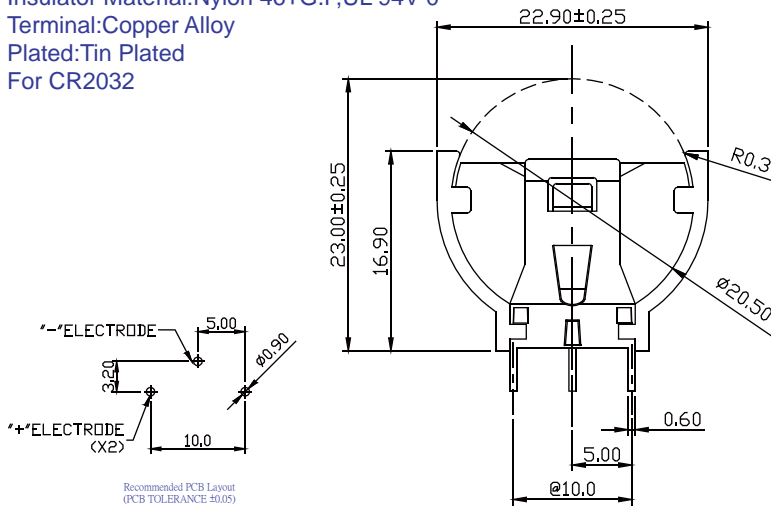
Battery Holder Conn. Coin Type

Material
 Insulator Material: Nylon 46, UL 94V-0
 Terminal: Copper Alloy
 Plated: Tin Plated
 For CR2032



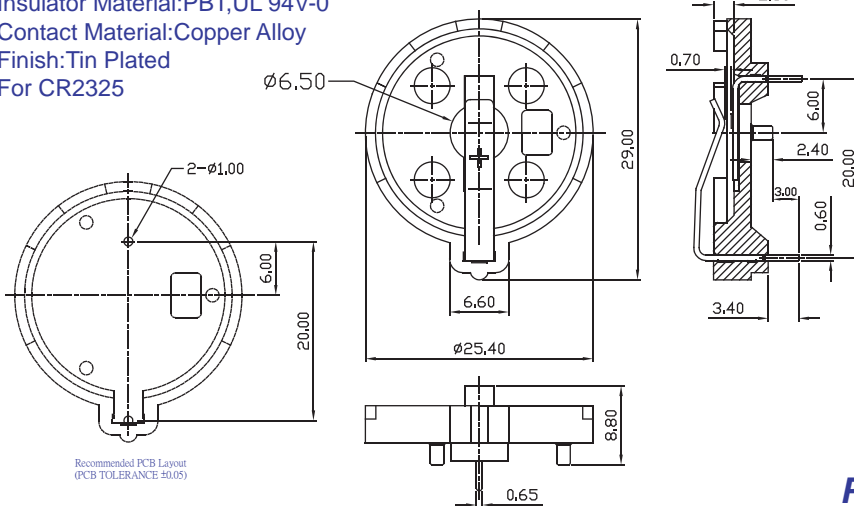
Part No.: BTV-2032TB-U

Material
 Insulator Material: Nylon 46+G.F, UL 94V-0
 Terminal: Copper Alloy
 Plated: Tin Plated
 For CR2032



Part No.: BTVA-2032TB-U

Material
 Insulator Material: PBT, UL 94V-0
 Contact Material: Copper Alloy
 Finish: Tin Plated
 For CR2325



Recommended PCB Layout (PCB TOLERANCE ±0.05)

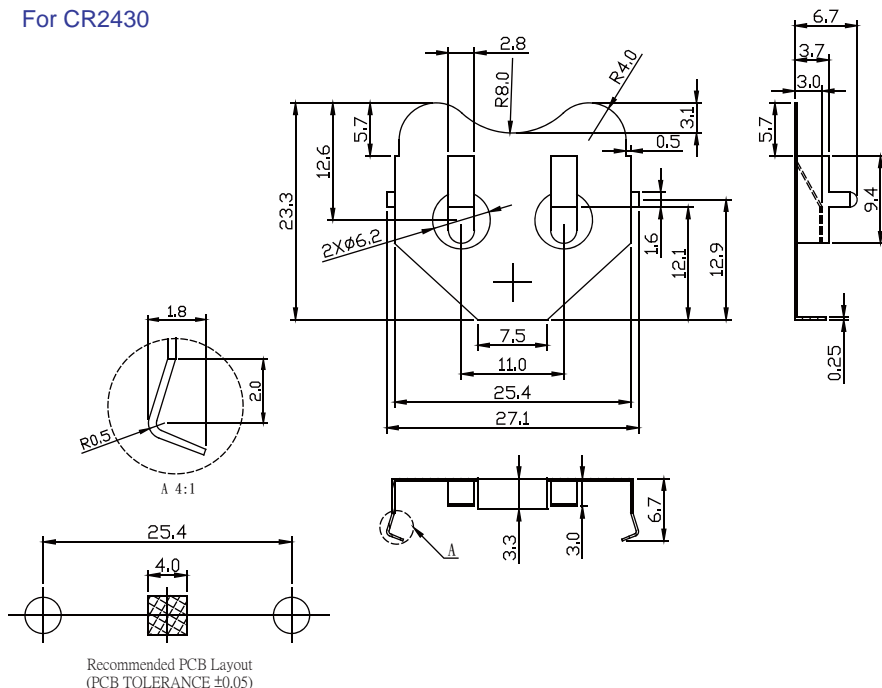
Part No.: BTD-2325TB-L

Battery Holder

Pb ROHS

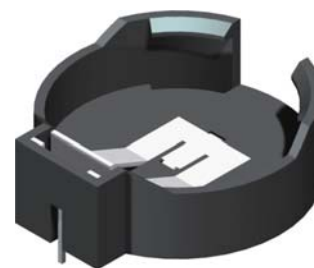
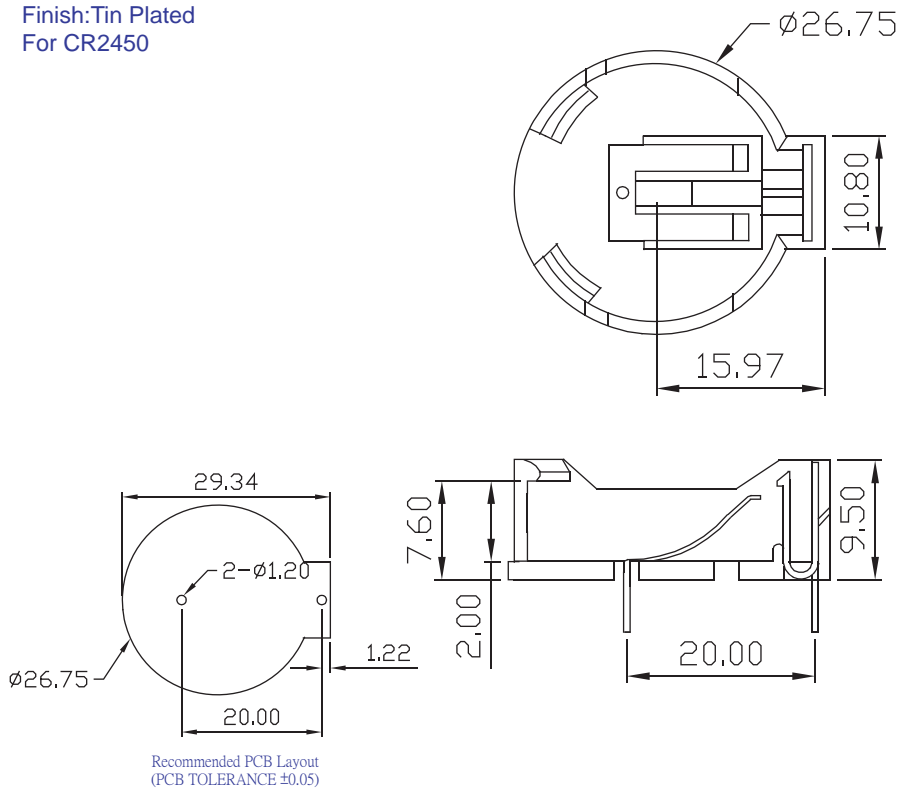
Battery Holder Conn. Coin / Clips Type

Material
 Material:0.25mm Copper Alloy
 Plated:Nickel Plated
 For CR2430



Part No.:BTMK-2430N-L

Material
 Insulator Material:Nylon 46,UL 94V-0
 Contact Material:Copper Alloy
 Finish:Tin Plated
 For CR2450

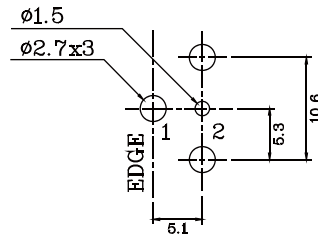
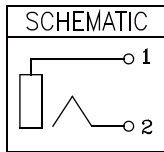
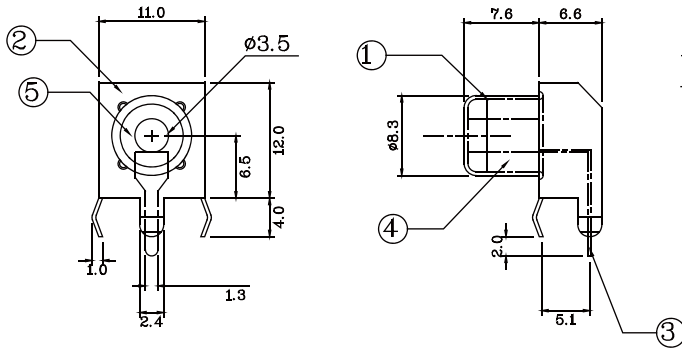


Part No.:BTD-2450TB-U

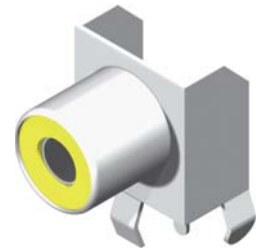


CONNECTORS MANUFACTURER

RCA Jack Conn.

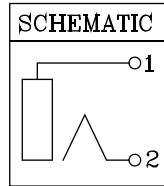
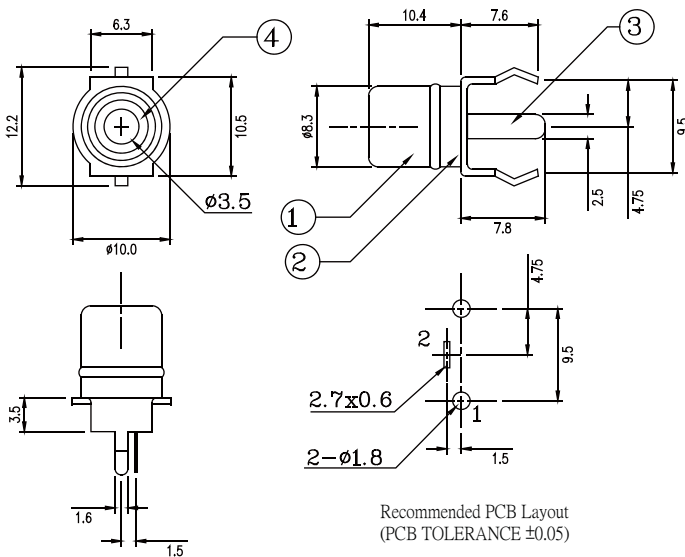


Recommended PCB Layout (PCB TOLERANCE ± 0.05)

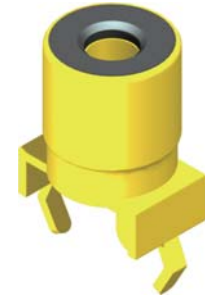


NO.	NAME	MATERIAL	FINISH
1	BARREL	BRASS	NICKEL PLATED
2	HOUSING	ABS	
3	SPRING TERM	PHOS. BRONZE	SILVER PLATED
4	TERMINAL	BRASS	SILVER PLATED

Part No.:RCA-0006-L

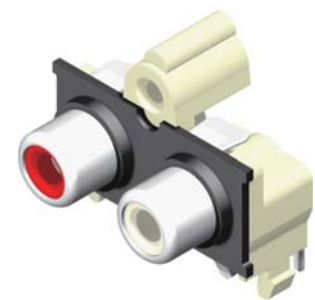
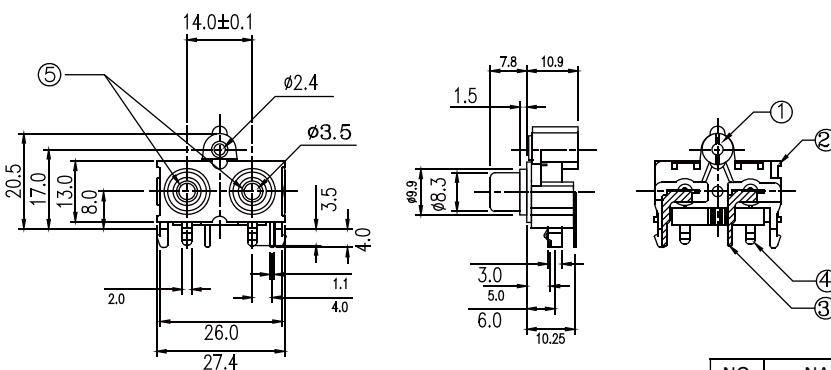


Recommended PCB Layout (PCB TOLERANCE ± 0.05)

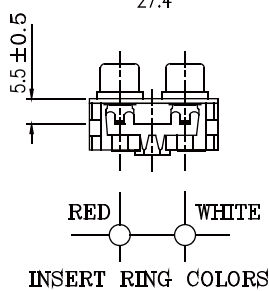


NO.	NAME	MATERIAL	FINISH
1	BARREL	C.R.S	GOLD PLATED
2	BRACKET	C.R.S	GOLD PLATED
3	CENTER PIN	BRASS	GOLD PLATED
4	INSULATOR	P.B.T	W, R, Y, B
5	INSERT RING	P.B.T	WHITE

Part No.:RCA-0009GG-L



NO.	NAME	MATERIAL	FINISH	Q'TY
1	HOUSING	ABS 94HB	WHITE	1
2	RETAINER	ABS 94HB	BLACK	1
3	TERMINAL	C2680R-H t=0.5	PB-SN-PLATED	2
4	TERMINAL	C2680R-0 t=0.5	NICKEL-PLATED	2
5	INSERT RING	P.B.T	R,Y,W	2



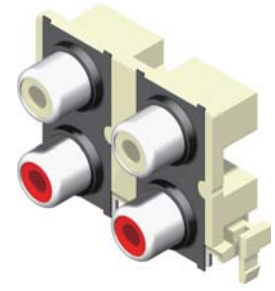
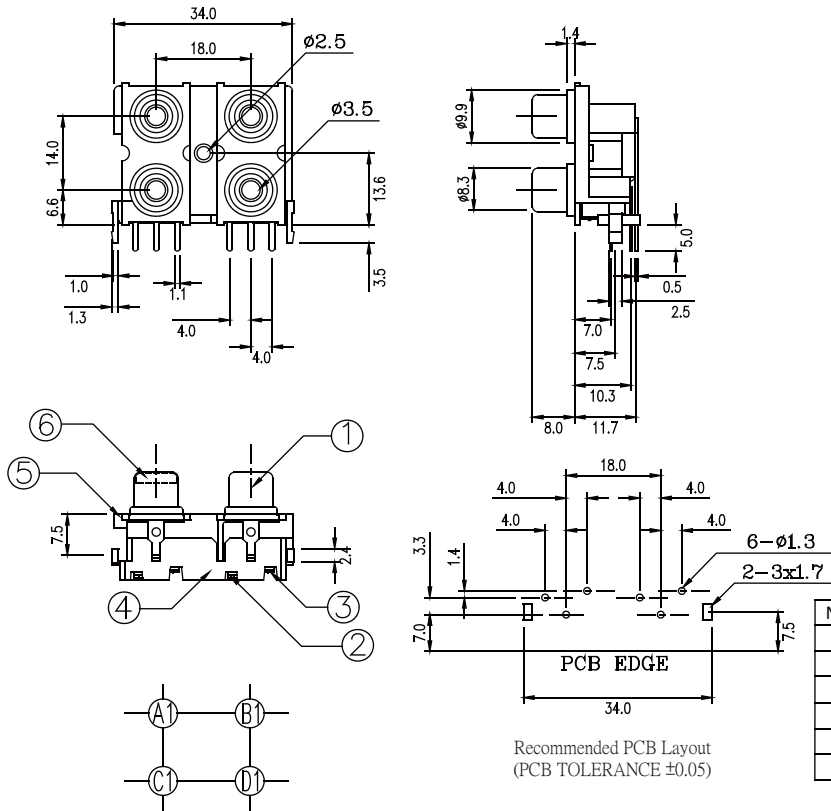
INSERT RING COLORS

Part No.:RCA-1413-2H-L

RCA Jack Conn.

Pb ROHS

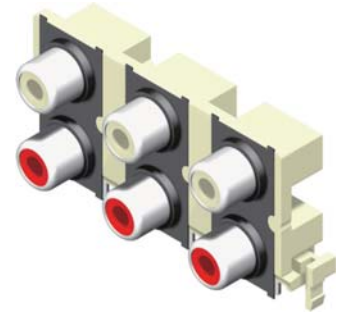
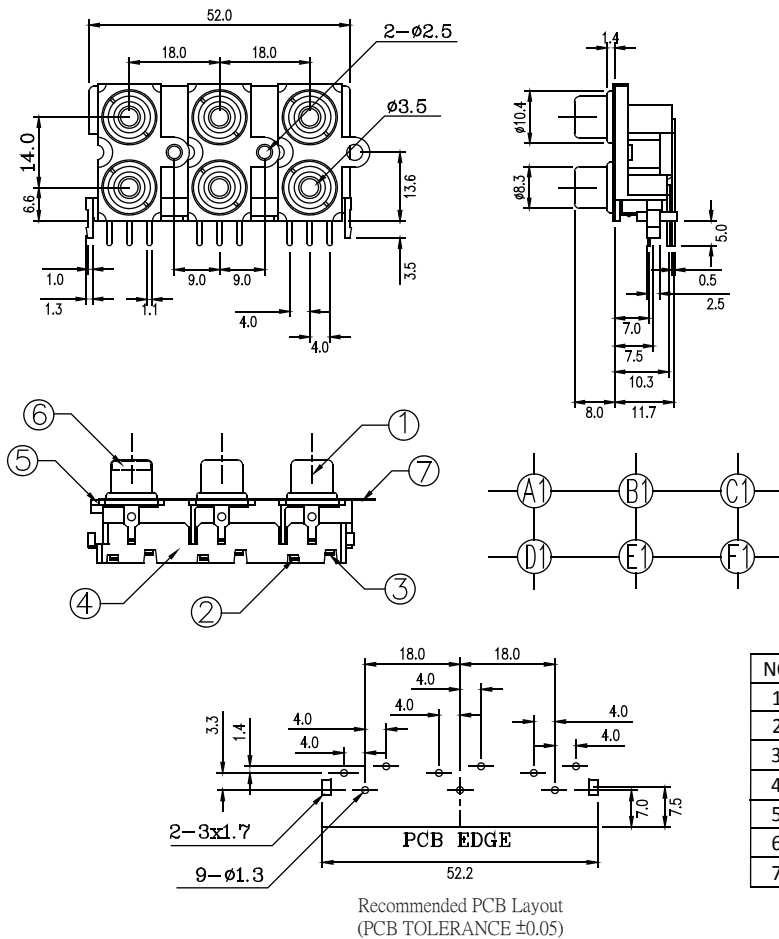
RCA Jack Conn.



SCHEMATIC		RING COLOR				
TOP	1	A1	B1	C1	D1	
	2	WHITE	WHITE	RED	RED	
BOTTOM	1	A	RED	WHITE	RED	WHITE
	2	B	YELLOW	YELLOW	YELLOW	YELLOW
	3	C	BLACK	BLACK	BLACK	BLACK

NO.	NAME	MATERIAL	FINISH	Q'TY
1	BARREL	BRASS	NICKEL PLATED	2
2	TOP TERM.	BRASS	TIN PLATED	2
3	BOTTOM TERM.	BRASS	TIN PLATED	2
4	HOUSING	ABS	WHITE	1
5	TOP COVER	ABS	BLACK	2
6	RING	P.B.T	R,W,Y,B	2

Part No.:RCA-1418-4-L



SCHEMATIC		RING COLOR						
TOP	1	A1	B1	C1	D1	E1	F1	
	2	WHITE	WHITE	WHITE	RED	RED	RED	
BOTTOM	1	A	YELLOW	WHITE	RED	YELLOW	WHITE	RED
	2	B	YELLOW	RED	WHITE	YELLOW	RED	WHITE
	3	C	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK

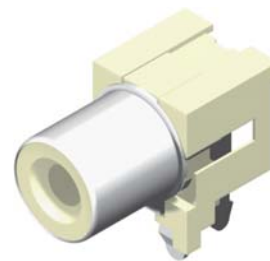
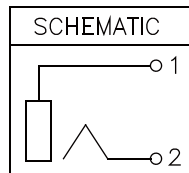
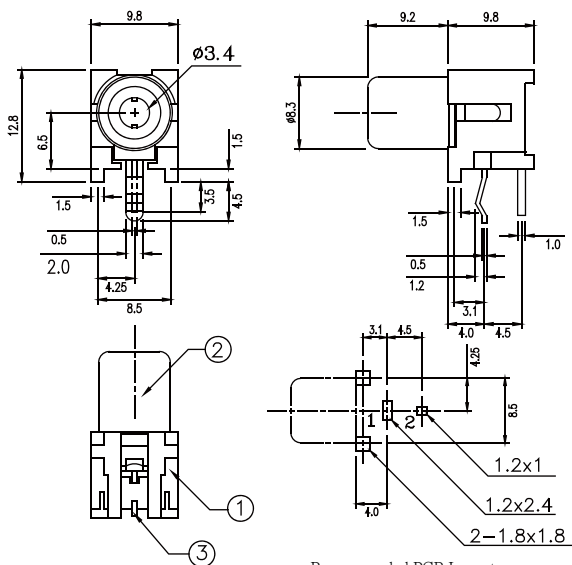
NO.	NAME	MATERIAL	FINISH	Q'TY
1	BARREL	BRASS	NICKEL PLATED	3
2	TOP TERM.	BRASS	TIN PLATED	3
3	BOTTOM TERM.	BRASS	TIN PLATED	3
4	HOUSING	ABS	WHITE	1
5	TOP COVER	ABS	BLACK	3
6	RING	P.B.T	R,W,Y,B	3
7	SHELL COVER	BRASS 0.3	NICKEL PLATED	3

Part No.:RCA-1418-6S-L

RCA Conn.

Pb ROHS

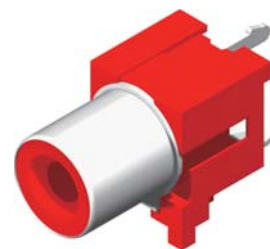
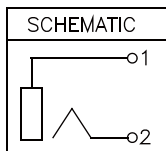
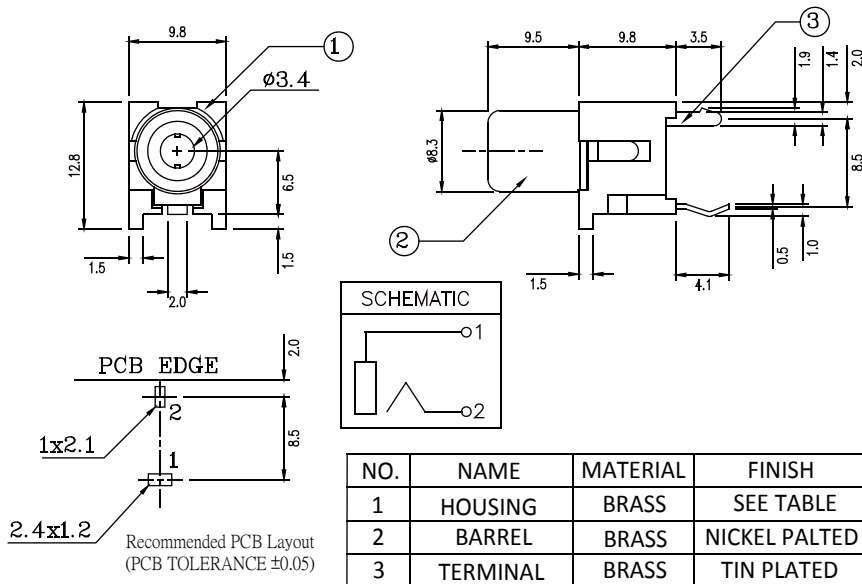
RCA Jack Conn.



NO.	NAME	MATERIAL	FINISH
1	HOUSING	P.B.T	R, Y, W, B
2	BARREL	BRASS	NICKEL PALTED
3	TERMINAL	BRASS	TIN PLATED

Part No.:RCA-1515-1A-L

Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

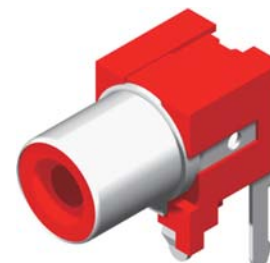
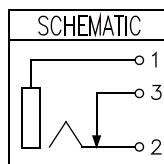
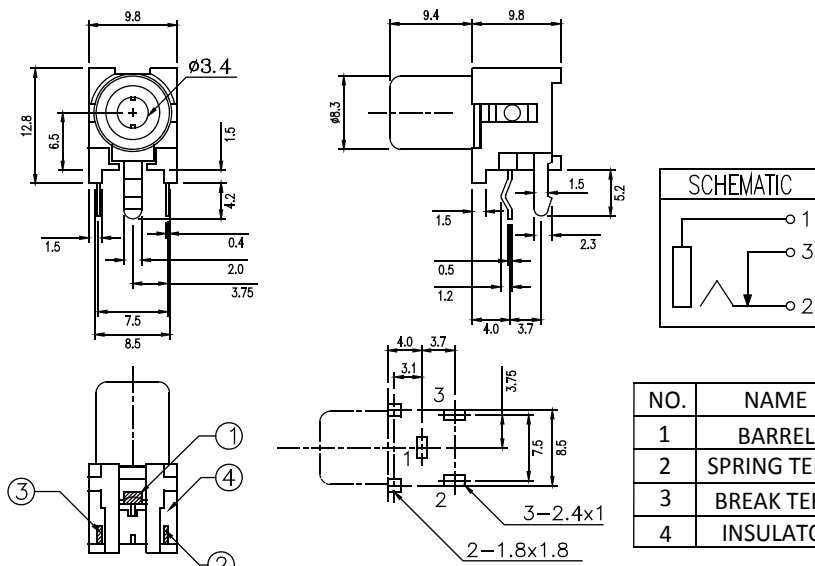


Table

Part No.	COLOR FOR HOUSING
RCA-1515-1BB-L	BLACK
RCA-1515-1BY-L	YELLOW
RCA-1515-1BR-L	RED
RCA-1515-1BW-L	WHITE
RCA-1515-1BU-L	BLUE
RCA-1515-1BG-L	GREEN

Part No.:RCA-1515-1B-L

See Table



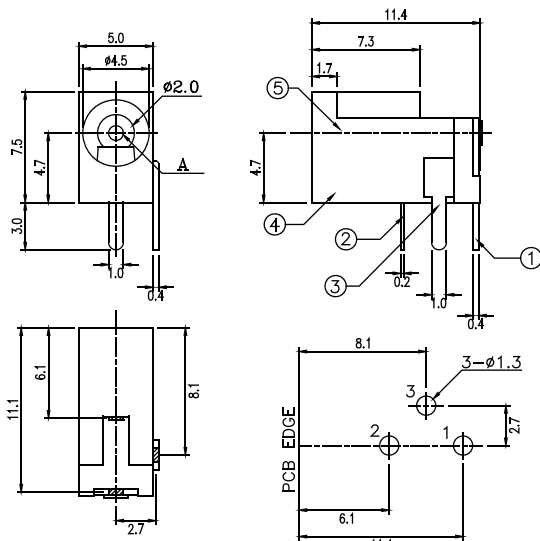
NO.	NAME	MATERIAL	FINISH
1	BARREL	BRASS	NICKEL PALTED
2	SPRING TERM.	PHOS. BRONZE	TIN PLATED
3	BREAK TERM.	BRASS	TIN PLATED
4	INSULATOR	P.B.T	W, R, Y, B

Part No.:RCA-2016-L

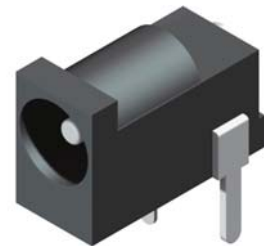
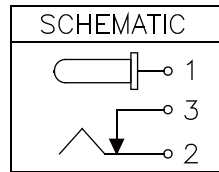
Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



DC Jack Conn.

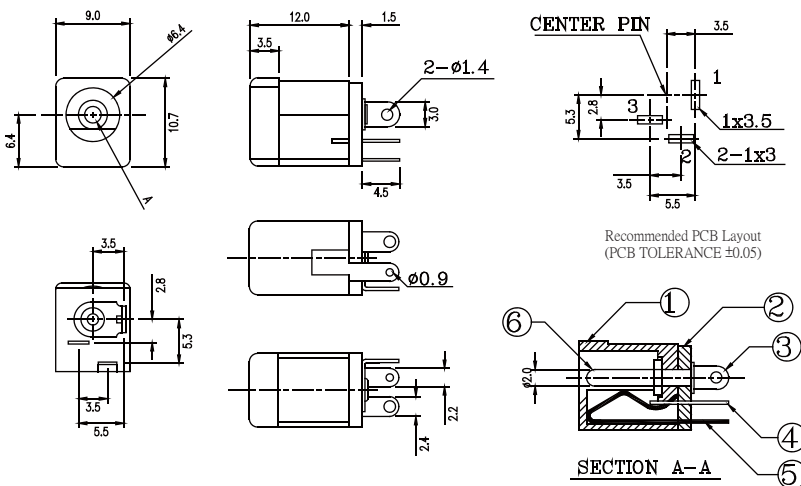


Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

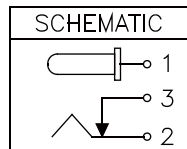


NO.	NAME	MATERIAL	FINISH	Q'TY
1	PIN TERM.	BRASS	TIN PLATED	1
2	SLEEVE TERM.	P.B.S	TIN PALTED	1
3	BREAK TERM.	BRASS	TIN PLATED	1
4	HOUSING	P.B.T	BLACK	1
5	CENTER PIN	BRASS	NICKEL PLATED	1

Part No.: DCJ -0011TB-L
 10: $\phi 1.0$
 13: $\phi 1.3$

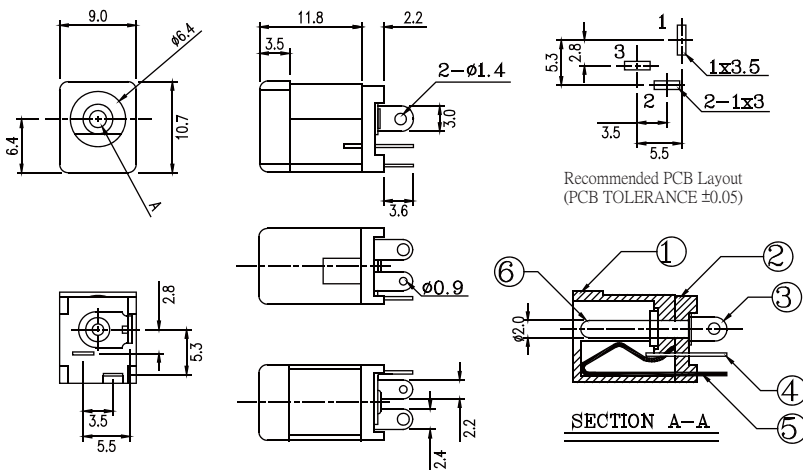


Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

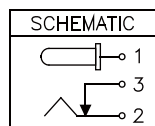


NO.	NAME	MATERIAL	FINISH	Q'TY
1	HOUSING	P.B.T	BLACK	1
2	COVER	BAKELITE	BLACK	1
3	PIN TERM.	BRASS 0.4THK	TIN PLATED	1
4	BREAK TERM.	BRASS 0.3THK	TIN PLATED	1
5	BREAK TERM.	PHOS. BORNZE T:0.25	TIN PLATED	1
6	CENTER PIN	COPPER ALLOY	TIN PLATED	1

Part No.: DCJ -0013TB-L
 20: $\phi 2.0$
 25: $\phi 2.5$



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



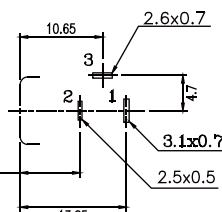
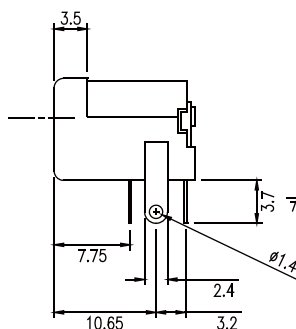
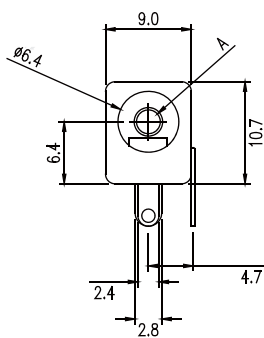
NO.	NAME	MATERIAL	FINISH	Q'TY
1	HOUSING	P.B.T	BLACK	1
2	COVER	BAKELITE	BLACK	1
3	PIN TERM.	BRASS 0.4THK	TIN PLATED	1
4	BREAK TERM.	BRASS 0.3THK	TIN PLATED	1
5	BREAK TERM.	PHOS. BORNZE T:0.25	TIN PLATED	1
6	CENTER PIN	COPPER ALLOY	TIN PLATED	1

Part No.: DCJ D-0013TB-L
 20: $\phi 2.0$
 25: $\phi 2.5$

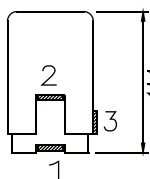
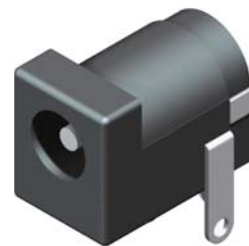
DC Jack Conn.

RoHS

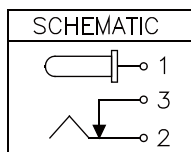
DC Jack Conn.



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

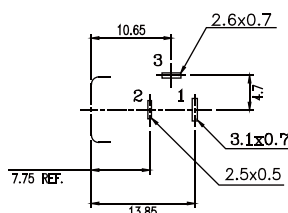
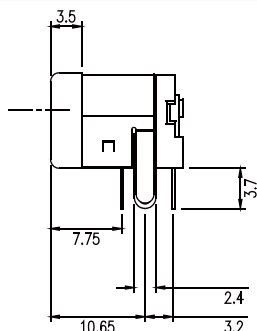
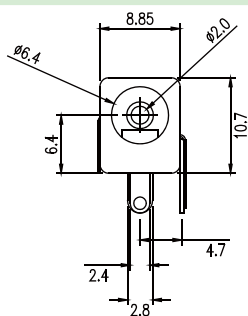


TERMINAL NUMBERS

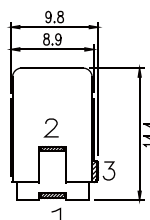


NO.	NAME	MATERIAL	FINISH
1	PIN TERM.	BRASS 0.4THK	TIN PLATED
2	SLEEVE TERM.	P.B.S 0.25THK	TIN PLATED
3	BREAK TERM.	BRASS 0.4THK	TIN PLATED
4	HOUSING	P.B.T	BLACK
5	CENTER PIN	BRASS Ø0.26	NICKEL PLATED

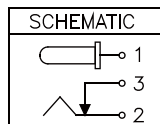
Part No.: DCJ -0014TB-L
 20:ø2.0
 25:ø2.5



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

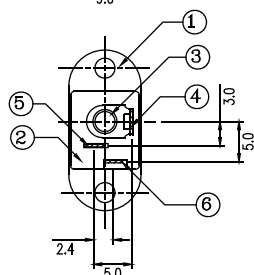
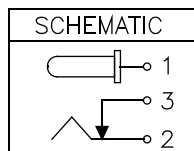
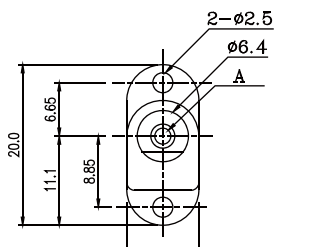
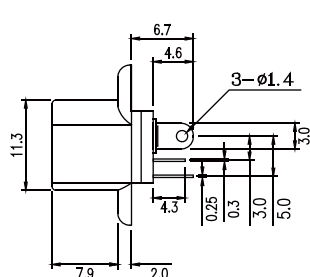


TERMINAL NUMBERS



NO.	NAME	MATERIAL	FINISH
1	PIN TERM.	BRASS 0.4THK	TIN PLATED
2	SLEEVE TERM.	P.B.S 0.25THK	TIN PLATED
3	BREAK TERM.	BRASS 0.4THK	TIN PLATED
4	HOUSING	P.B.T	BLACK
5	CENTER PIN	BRASS Ø0.2	NICKEL PLATED
6	SHIELD SPERING	BRASS 0.2THK	NICKEL PLATED

Part No.: DCJ S-0014TB-L
 20:ø2.0
 25:ø2.5



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

NO.	NAME	MATERIAL	FINISH	Q'TY
1	HOUSING	P.B.T	BLACK	1
2	COVER	BAKELITE		1
3	PIN TERM.	BRASS 0.4THK	TIN PLATED	1
4	BREAK TERM.	BRASS	TIN PLATED	1
5	BREAK TERM.	PHOS. BORNZE T:0.25	TIN PLATED	1
6	CENTER PIN	COPPER ALLOY	NICKEL PLATED	1

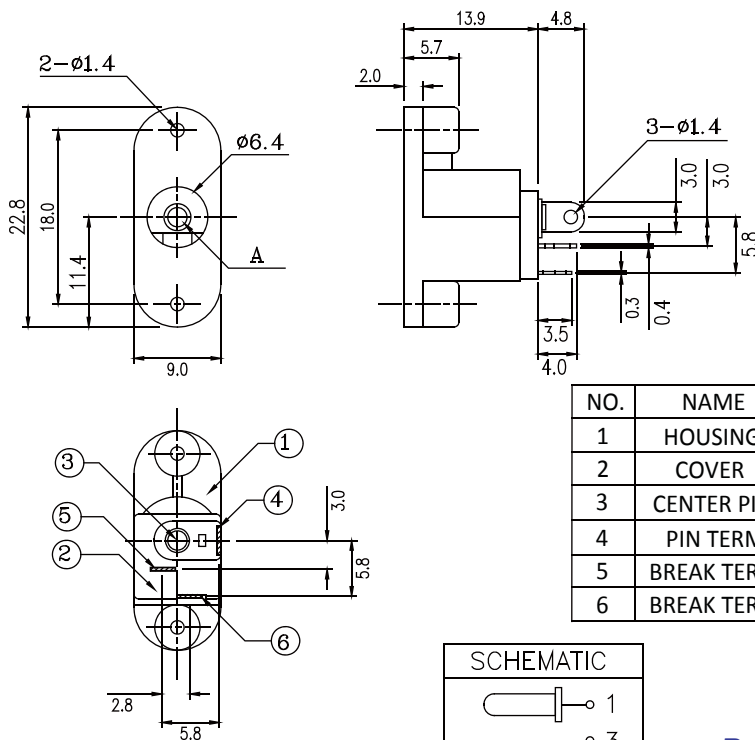
Part No.: DCJ D-0015TB-L
 20:ø2.0
 25:ø2.5





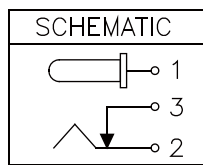
CONNECTORS MANUFACTURER

DC Jack Conn.

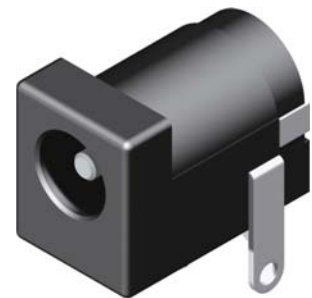
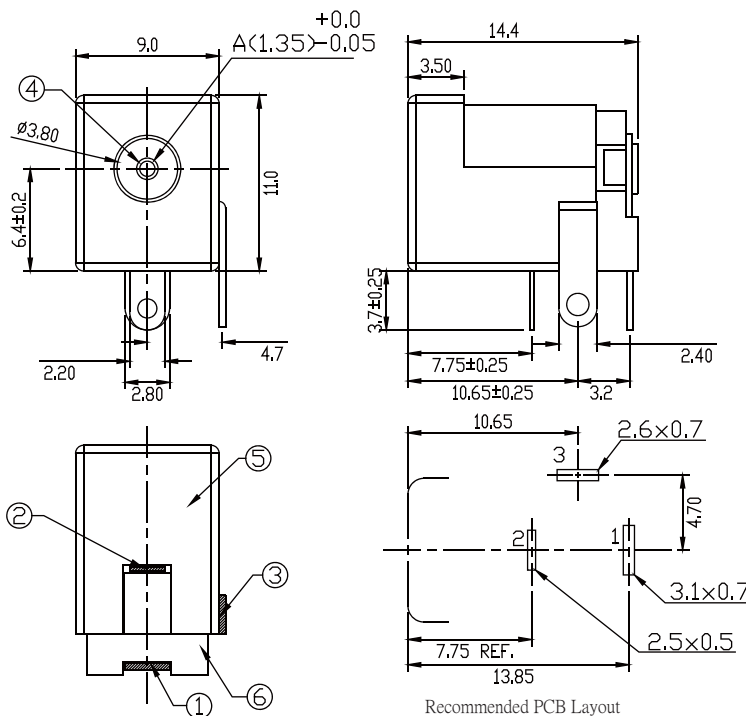


NO.	NAME	MATERIAL	FINISH	Q'TY
1	HOUSING	P.B.T	BLACK	1
2	COVER	BAKELITE	BLACK	1
3	CENTER PIN	COPPER ALLOY	NICKEL PLATED	1
4	PIN TERM.	BRASS 0.4THK	TIN PLATED	1
5	BREAK TERM.	BRASS 0.4THK	TIN PLATED	1
6	BREAK TERM.	PHOS. BRONZE	TIN PALTED	1

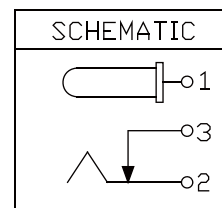
Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Part No.: DCJ 135 0016 TB-L
20:ø2.0
25:ø2.5



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



NO.	NAME	MATERIAL	FINISH	Q'TY
1	PIN TERM.	BRASS 0.40	TIN PLATED	1
2	SLEEVE TERM.	PHOS. BRONZE 0.25	TIN PALTED	1
3	BREAK TERM.	BRASS 0.40	TIN PLATED	1
4	CENTER PIN	BRASS ø1.35	NICKEL PLATED	1
5	HOUSING	P.B.T.G.F	BLACK	1
6	COVER	P.B.T.G.F	BLACK	1

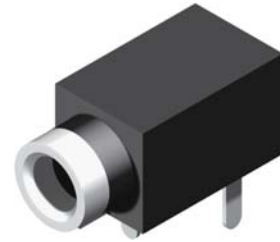
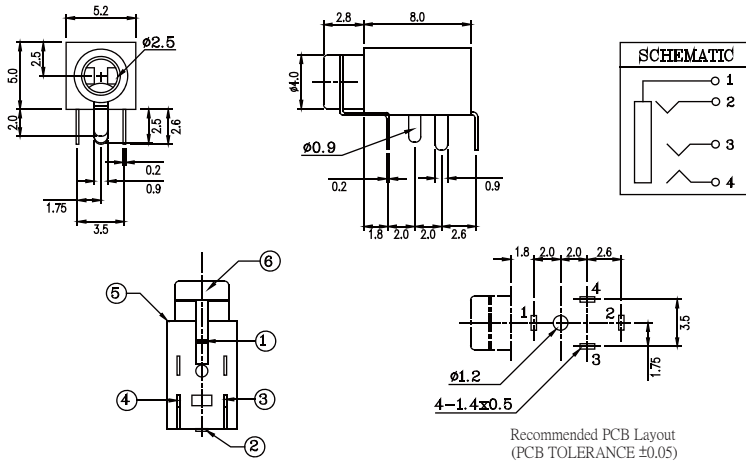
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135:ø1.35

DC Jack Conn.

RoHS

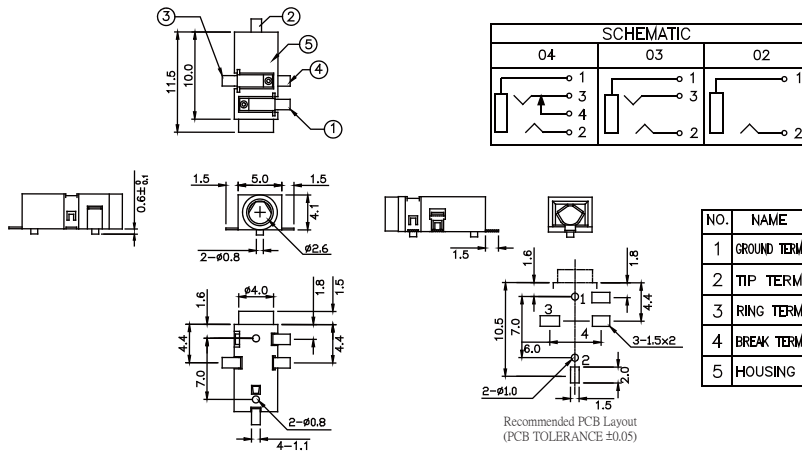
CONNECTORS MANUFACTURER

Ø2.5 Earphone Jack Conn.



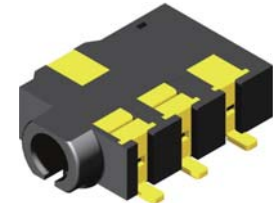
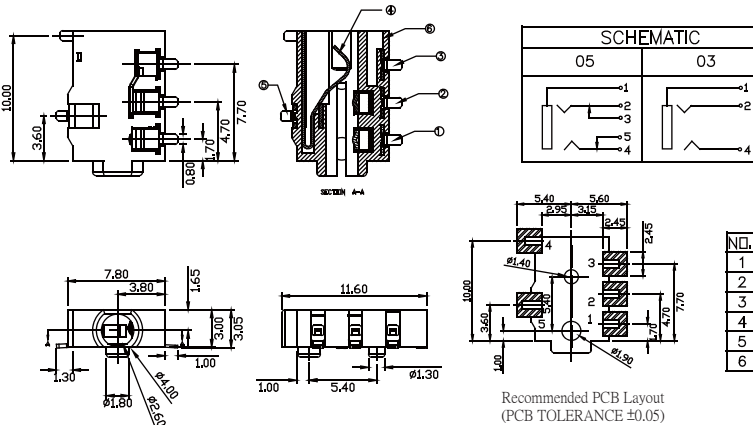
NO.	NAME	MATERIAL	FINISH	Q'TY
1	GROUND TERM	BRASS t:0.2	TIN PLATED	1
2	SPRING TERM	PHOS. BRONZE t:0.2	TIN PLATED	1
3	SPRING CONTACT	PHOS. BRONZE t:0.2	TIN PLATED	1
4	SPRING CONTACT	PHOS. BRONZE t:0.2	TIN PLATED	1
5	HOUSING	P.B.T.	BLACK	1
6	PLUG BUSHING	BRASS	NICKEL PLATED	1

Part No.:EPJ25-0009-04TB-L



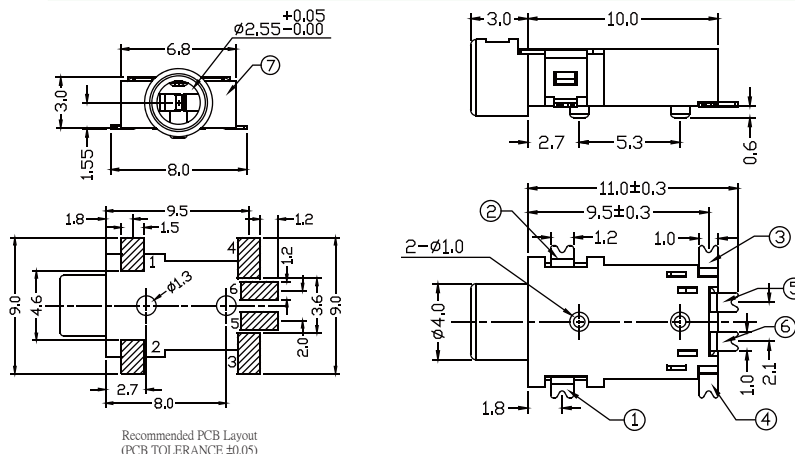
NO.	NAME	MATERIAL	FINISH	Q'TY
1	GROUND TERM	P.B.S. 0.2THK	GOLD PLATED	1
2	TIP TERM	P.B.S. 0.2THK	GOLD PLATED	1
3	RING TERM	P.B.S. 0.2THK	GOLD PLATED	1
4	BREAK TERM	PHOS. BRONZE 0.2THK	GOLD PLATED	1
5	HOUSING	NYLON PA6T G.F.	GRAY COLOR	1

Part No.:EPJ25-2501G-GB-U
No. of Contacts(02,03,04)



NO.	NAME	MATERIAL	FINISH
1	GROUND PIN 1	PBS T:0.2 mm	GOLD PLATED
2	PIN 2	BRASS T:0.2 mm	GOLD PLATED
3	PIN 3	PBS T:0.2 mm	GOLD PLATED
4	PIN 4	PBS T:0.2 mm	GOLD PLATED
5	PIN 5	BRASS T:0.3mm	GOLD PLATED
6	HOUSING	NYLON PA6T G.F.	BLACK

Part No.:EPJ25-2504-GB-U
No. of Contacts(03,05)



MODEL NO.	EPJ25-2513-06X-L (CDLDR)					
	PK	B	W	Y	DR	LU
HOUSING COVER COLOR	PINK	BLACK	LIME	YELLOW	ORANGE	LIGHT BLUE
PANTONE	701C	577C	123C	157C	284C	

NO.	NAME	MATERIAL	FINISH	QTY
1	GROUND TERM	PBS T:0.20	SILVER PLATED	1
2	CONTACT TERM	PBS T:0.20	SILVER PLATED	1
3	SPRING TERM	PHOS. BRONZE T:0.20	SILVER PLATED	1
4	SPRING TERM	PHOS. BRONZE T:0.20	SILVER PLATED	1
5	CONTACT TERM	BRASS T:0.25	SILVER PLATED	1
6	CONTACT TERM	BRASS T:0.25	SILVER PLATED	1
7	HOUSING	NYLON PA9T G.F.	SEE COLOR	1

Part No.:EPJ25-2513-SV-U
No. of Contacts(04,06)
See Table

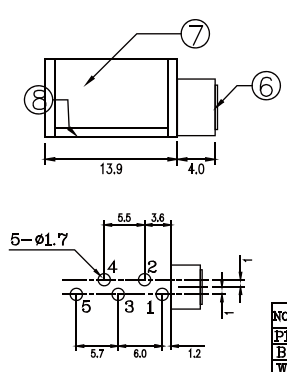
E

ar Phone Jack Conn.

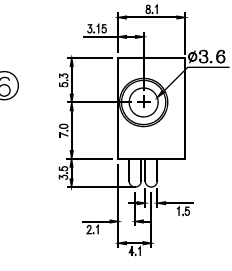
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ROHS

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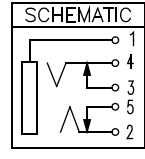
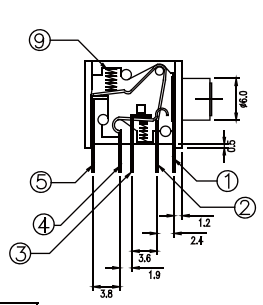


Recommended PCB Layout
(PCB TOLERANCE ±0.05)



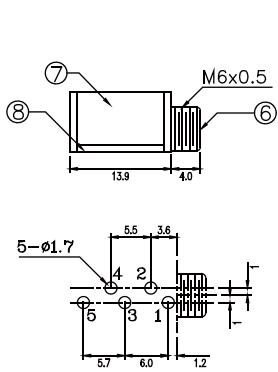
Table

NO.	HOUSING & COVER COLOR	PANTONE
PK	PINK	701C
B	BLACK	
W	LIME	577C
Y	YELLOW	123C
OR	ORANGE	157C
LU	LIGHT BLUE	284C

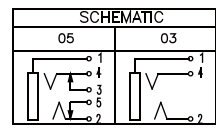
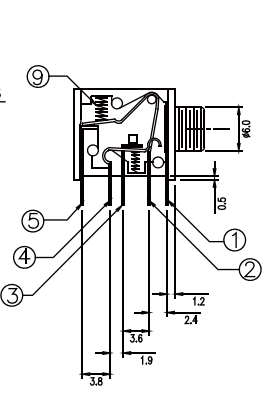
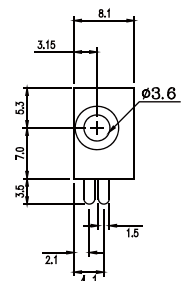


NO.	NAME	MATERIAL	FINISH	QTY
1	EARTH TERMINAL	BRASS t=0.3	TIN PLATED	1
2	TIP SPRING	PHOSPHOR BRONZE t=0.3	TIN PLATED	1
3	RING SHUNT	PHOSPHOR BRONZE t=0.3	TIN PLATED	1
4	RING SPRING	PHOSPHOR BRONZE t=0.3	TIN PLATED	1
5	TIP SHUNT	BRASS t=0.3	TIN PLATED	1
6	BUSHING	BRASS	NICKEL PLATED	1
7	HOUSING	PBT+FIBRE		1
8	COVER	PBT+FIBRE		1
9	SPRING	STAINLESS STEEL	NICKEL PLATED	2

Part No.: EPJ35-0004P-05T -L
See Table

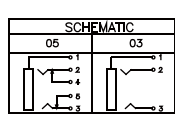


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

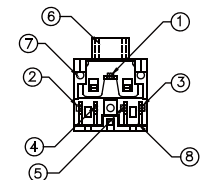
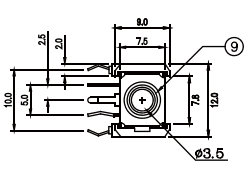


NO.	NAME	MATERIAL	FINISH	QTY
1	EARTH TERMINAL	BRASS t=0.3	TIN PLATED	1
2	TIP SPRING	PHOSPHOR BRONZE t=0.3	TIN PLATED	1
3	RING SHUNT	PHOSPHOR BRONZE t=0.3	TIN PLATED	1
4	RING SPRING	PHOSPHOR BRONZE t=0.3	TIN PLATED	1
5	TIP SHUNT	BRASS t=0.3	TIN PLATED	1
6	BUSHING	BRASS	NICKEL PLATED	1
7	HOUSING	PBT+FIBRE	BLACK	1
8	COVER	PBT+FIBRE	BLACK	1
9	SPRING	STAINLESS STEEL	NICKEL PLATED	2

Part No.: EPJ35-0004TP- TB-L
No. of Contacts(04,05)



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

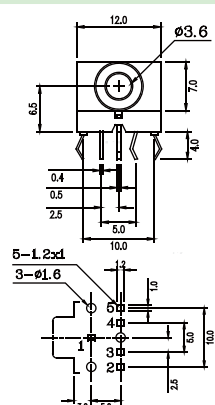


Table

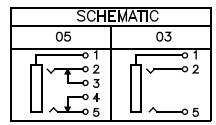
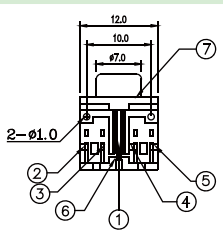
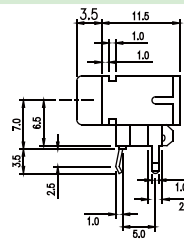
NO.	PK	LU	W
COLOR NAME	PINK	LIGHT BLUE	LIME
COLOR PART	701C	284C	577C

NO.	NAME	MATERIAL	FINISH
1	GROUND TERM	C.R.S. 0.5THK	TIN PLATED
2	RING SPRING	PBS 0.3THK	TIN PLATED
3	TIP SPRING	PBS 0.3THK	TIN PLATED
4	RING BREAK	BRASS	TIN PLATED
5	TIP BREAK	BRASS	TIN PLATED
6	PLUG BUSHING	BRASS	NICKEL PLATED
7	HOUSING	P.B.T.	BLACK
8	BACK COVER	P.B.T.	BLACK
9	TUBE	P.B.T.	

Part No.: EPJ35-0005FP- T-L
No. of Contacts(03,05)
See Table



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Table

NO.	HOUSING & COVER COLOR	PANTONE
PK	PINK	701C
W	LIME	577C
Y	YELLOW	123C
OR	ORANGE	157C
LU	LIGHT BLUE	284C

NO.	NAME	MATERIAL	FINISH
1	GROUND TERM.	PHOS. BRONZE t:0.6	TIN PLATED
2	RING SPRING	PBS t:0.3	TIN PLATED
3	BREAK TERM.	BRA t:0.4	TIN PLATED
4	BREAK TERM.	BRA t:0.4	TIN PLATED
5	TIP SPRING	PB t:0.3	TIN PLATED
6	BACK COVER	P.B.T.	
7	HOUSING	P.B.T.	

Part No.: EPJ35-0008P- T-L
No. of Contacts(03,05)
See Table

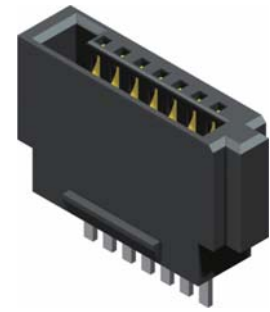
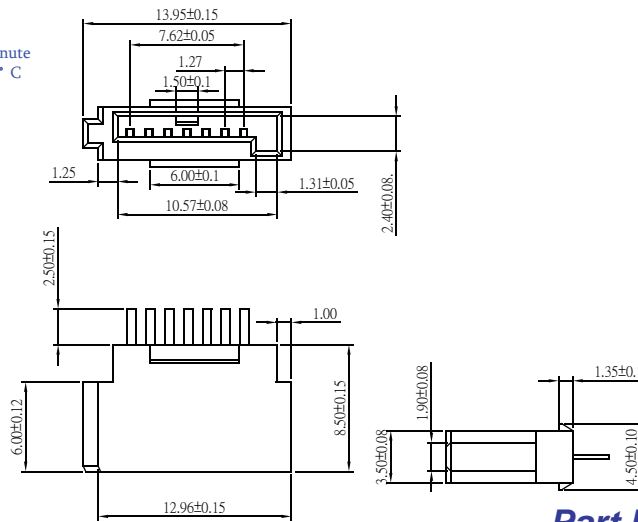




S.ATA Conn. Series

Specifications

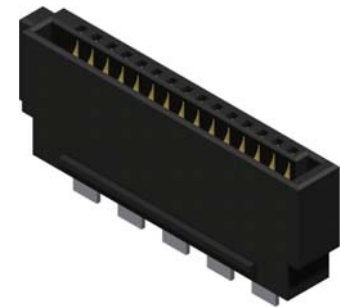
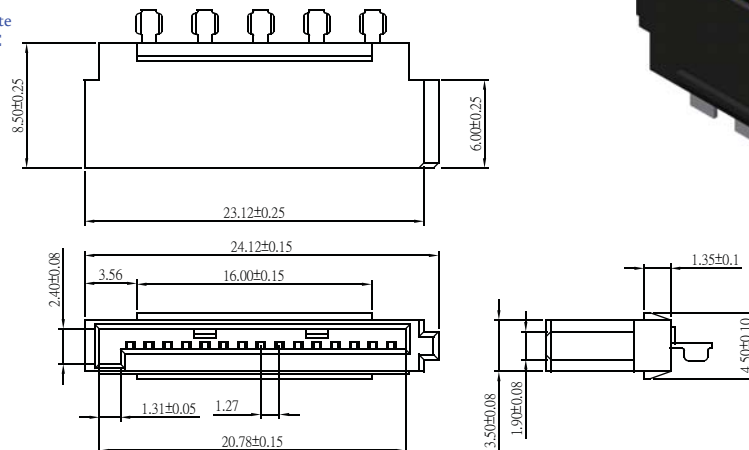
Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min
 Contact Resistance:30 m Ω Max
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C
 Material
 Insulator:Polyester,UL 94V-0
 ©Standard:PBT
 Terminal:Phosphor Bronze
 Plating:Selective Plating



Part No.:SATAS-F07SB-L

Specifications

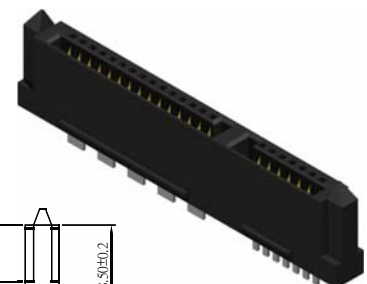
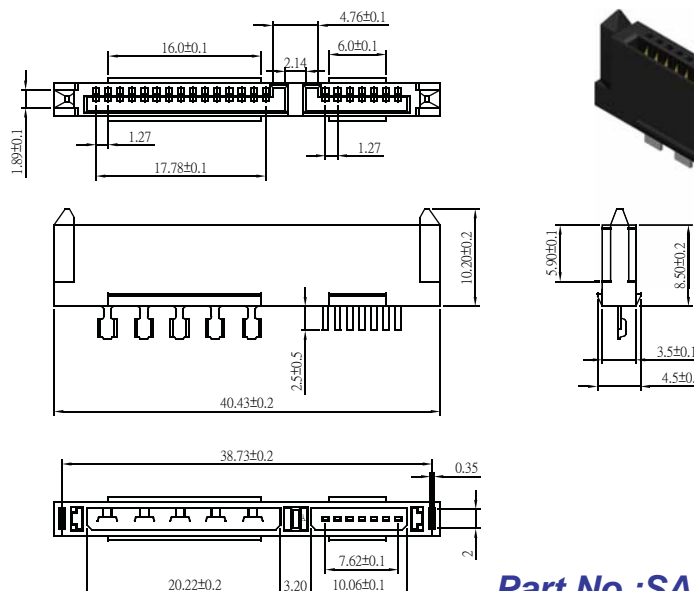
Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min
 Contact Resistance:30 m Ω Max
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C
 Material
 Insulator:Polyester,UL 94V-0
 ©Standard:PBT
 Terminal:Phosphor Bronze
 Plating:Selective Plating



Part No.:SATAS-F15SB-L

Specifications

Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min
 Contact Resistance:30 m Ω Max
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C
 Material
 Insulator:Polyester,UL 94V-0
 ©Standard:PBT
 Terminal:Phosphor Bronze
 Plating:Selective Plating



Part No.:SATAS-F22SB-L

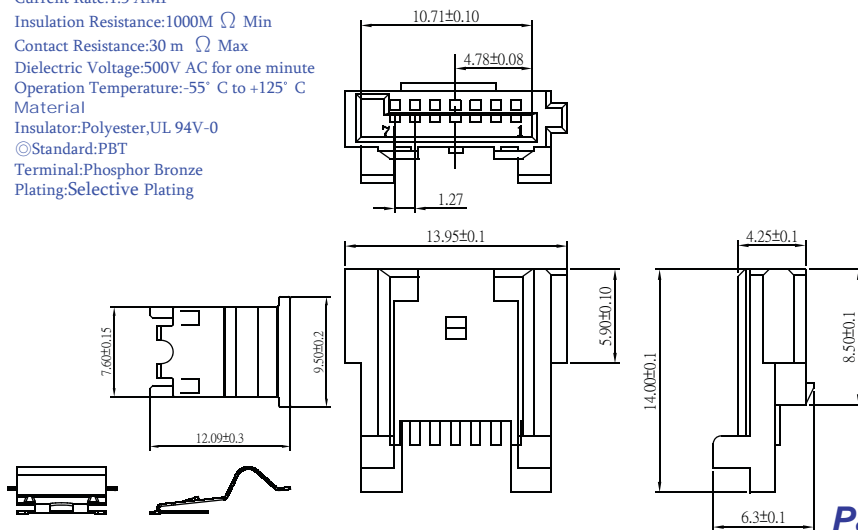
S
 erial ATA

Pb
 ROHS

COMMERCIAL MANUFACTURING

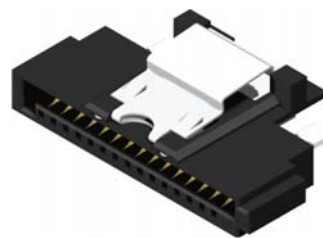
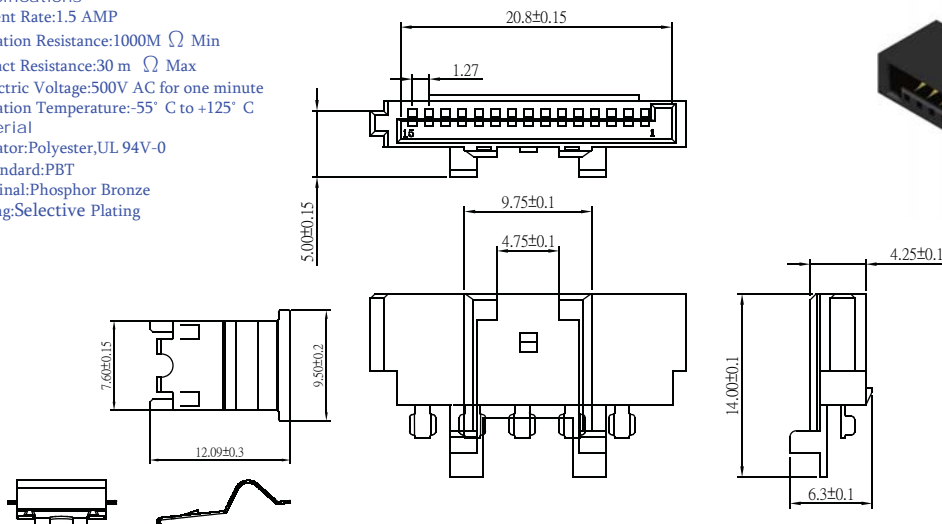
S.ATA Conn. Series

Specifications
 Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min
 Contact Resistance:30 m Ω Max
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C
 Material
 Insulator:Polyester,UL 94V-0
 ©Standard:PBT
 Terminal:Phosphor Bronze
 Plating:Selective Plating



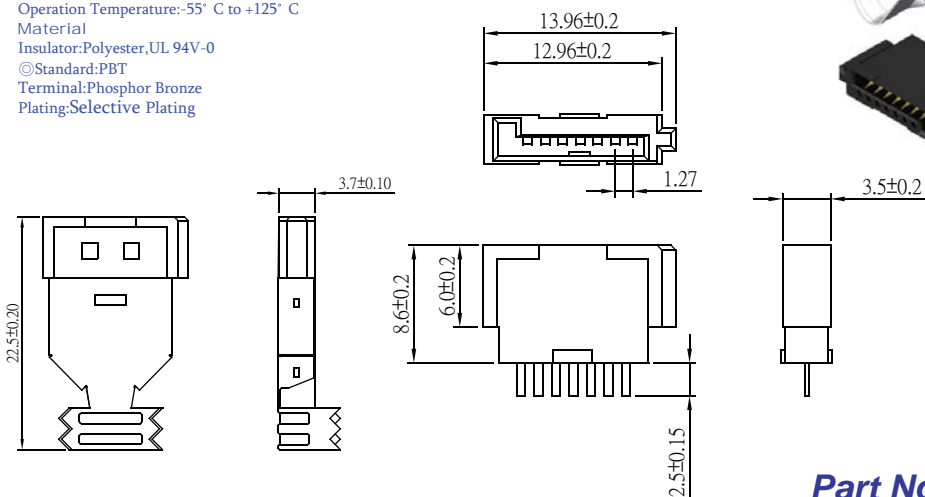
Part No.:SATASL-F07SB-L

Specifications
 Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min
 Contact Resistance:30 m Ω Max
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C
 Material
 Insulator:Polyester,UL 94V-0
 ©Standard:PBT
 Terminal:Phosphor Bronze
 Plating:Selective Plating



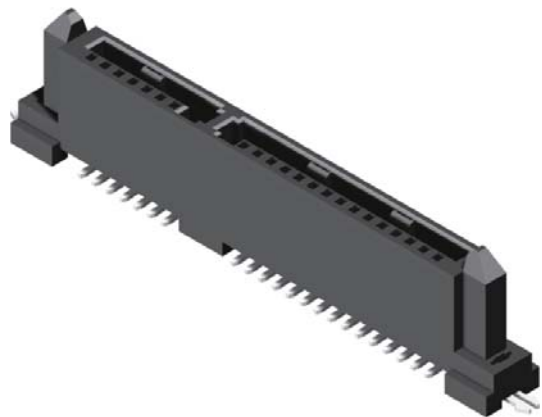
Part No.:SATASL-F15SB-L

Specifications
 Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min
 Contact Resistance:30 m Ω Max
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C
 Material
 Insulator:Polyester,UL 94V-0
 ©Standard:PBT
 Terminal:Phosphor Bronze
 Plating:Selective Plating



Part No.:SATASS-F07SB-L

S.ATA 7+15P Conn. SMT Type



Part No.:SATAM-F22SB-S3-U



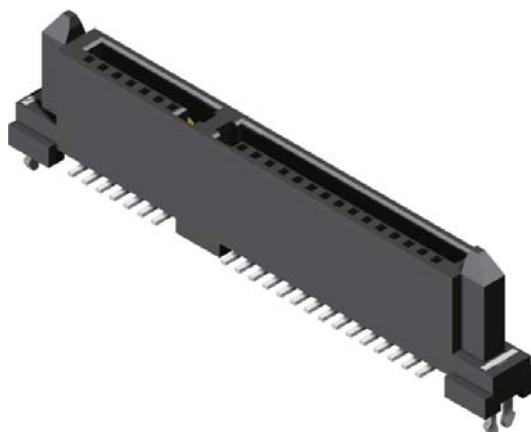
Part No.:SATAM-F22SB-S4-U



Part No.:SATAM-F22SB-S6-U



Part No.:SATAM-F22SB-S8-U



Part No.:SATAM-F22SB-R3-U



S.ATA 7+15P SMT R/A Type

Specifications

Current Rate:1.5 AMP

Insulation Resistance:1000M Ω Min

Contact Resistance:30 m Ω Max

Dielectric Voltage:500V AC for one minute

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

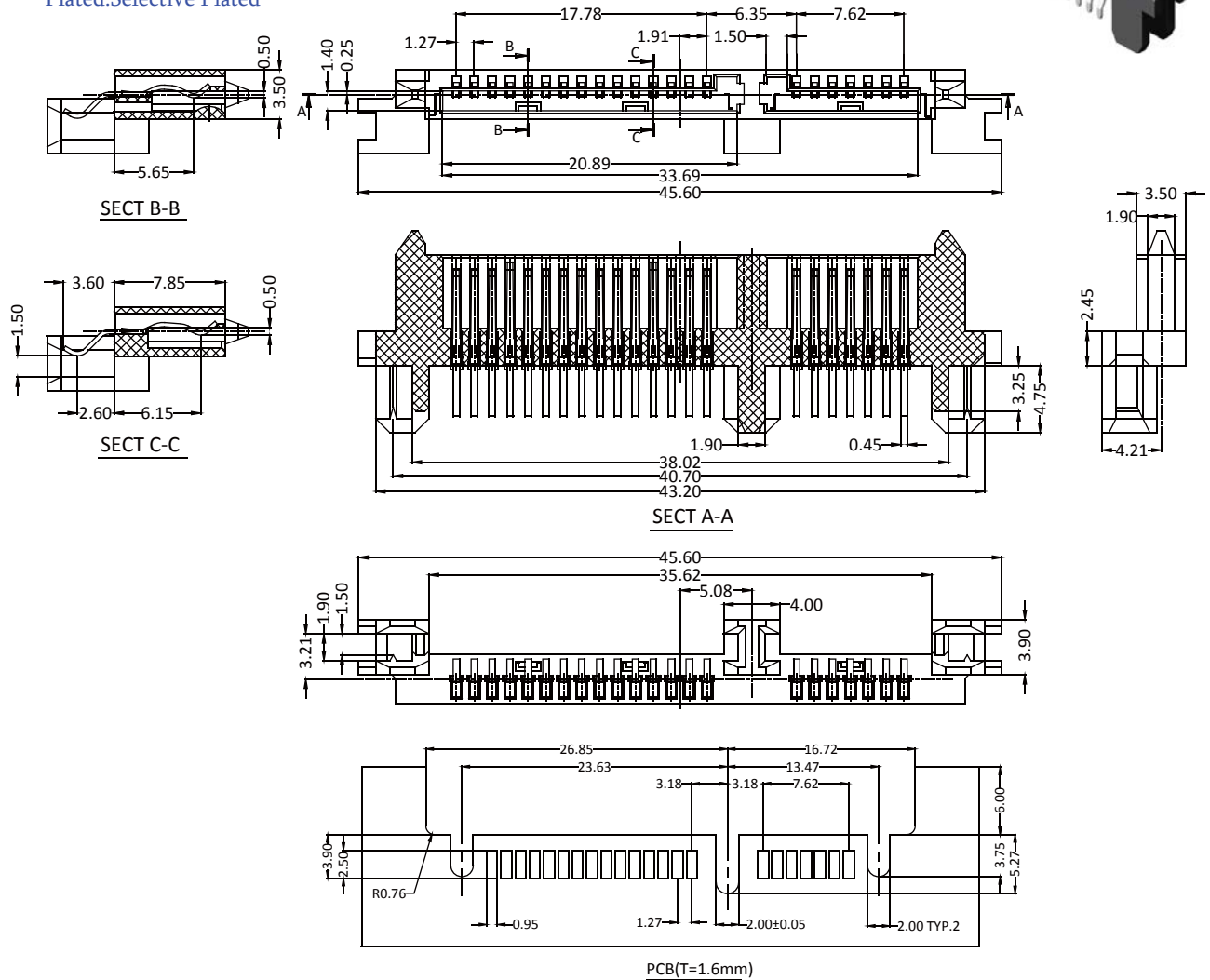
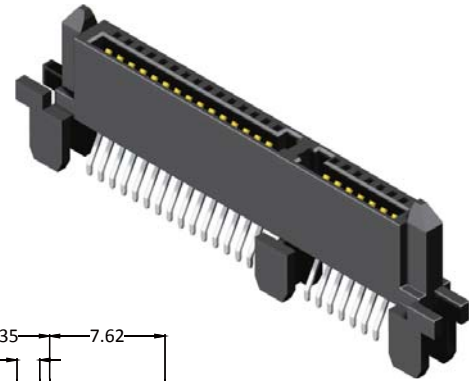
Material

Insulator:High temperature thermoplastic,UL 94V-0

Standard:LCP

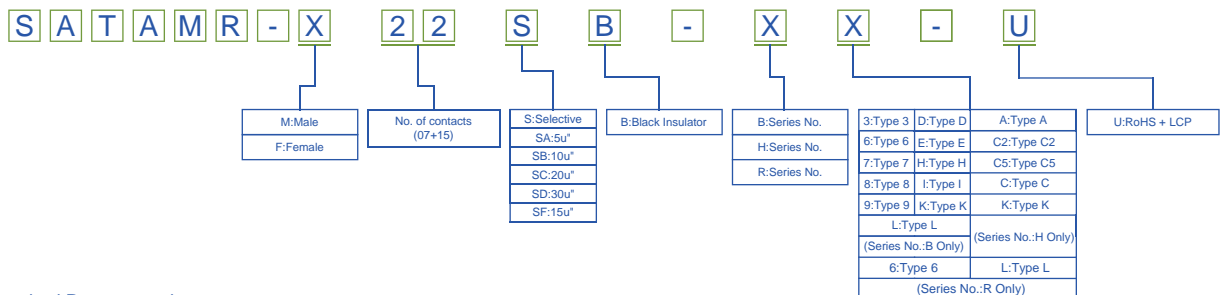
Terminal:Copper Alloy

Plated:Selective Plated



Part No.:SATAMR-F22SB-R6-U

ORDER INFORMATION



©:Standard Recommend

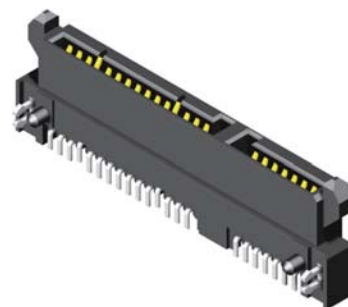
S.ATA 7+15P Conn. SMT R/A Type



Part No.:SATAMR-F22SB-B3(8)-U



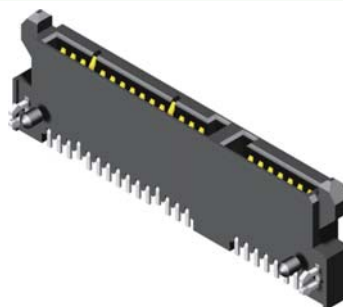
Part No.:SATAMR-F22SAB-B6(7,9)-U



Part No.:SATAMR-F22SB-BD(E)-U



Part No.:SATAMR-F22SB-BH-U



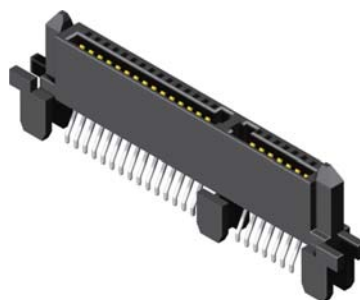
Part No.:SATAMR-F22SB-BI-U



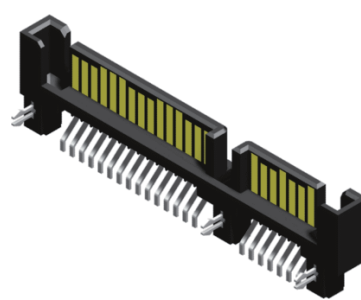
Part No.:SATAMR-F22SB-BK-U



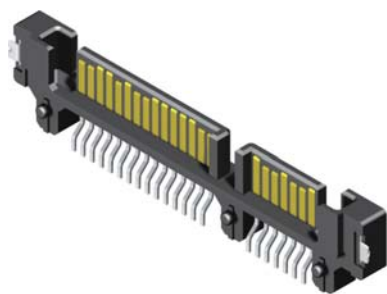
Part No.:SATAMR-F22SB-BL-U



Part No.:SATAMR-F22SB-RL-U



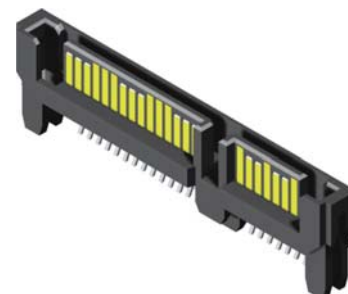
Part No.:SATAMR-M22SB-HA-U



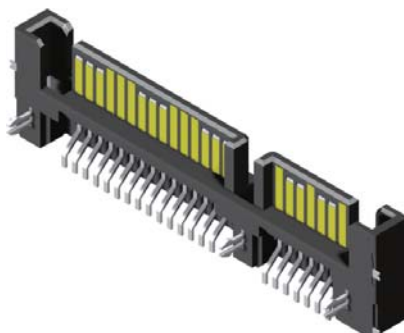
Part No.:SATAMR-M22SB-HC2-U



Part No.:SATAMR-M22SB-HC5-U



Part No.:SATAMR-M22SB-HC-U



Part No.:SATAMR-M22SB-HK-U



S.ATA 7+15P Right Angle Type

Specifications

Current Rate:1.5 AMP

Insulation Resistance:1000M Ω Min

Contact Resistance:30 m Ω Max

Dielectric Voltage:500V AC for one minute

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

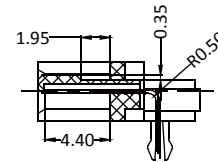
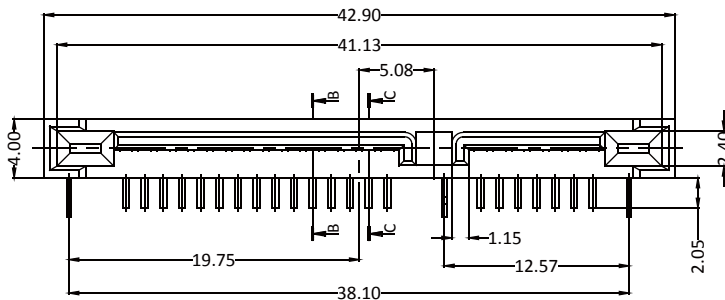
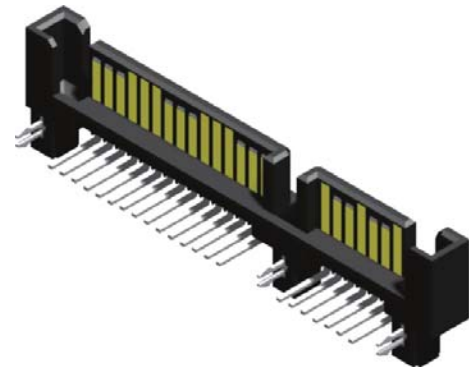
Material

Insulator:High temperature thermoplastic,UL 94V-0

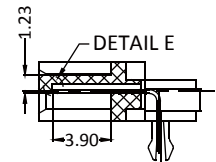
Standard:LCP

Terminal:Copper Alloy

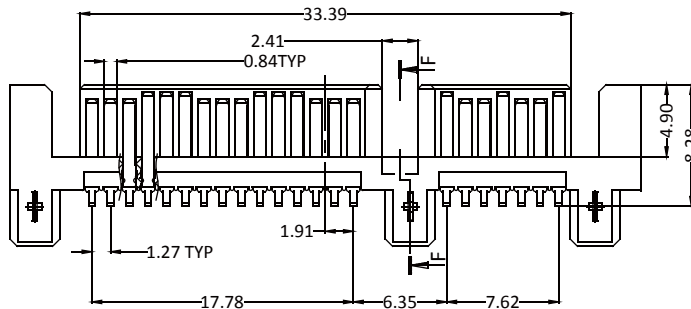
Plated:Selective Plaed



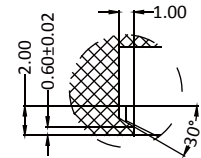
SECT B-B



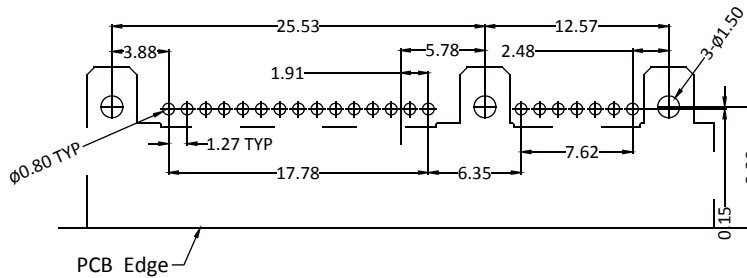
SECT C-C



SECT F-F



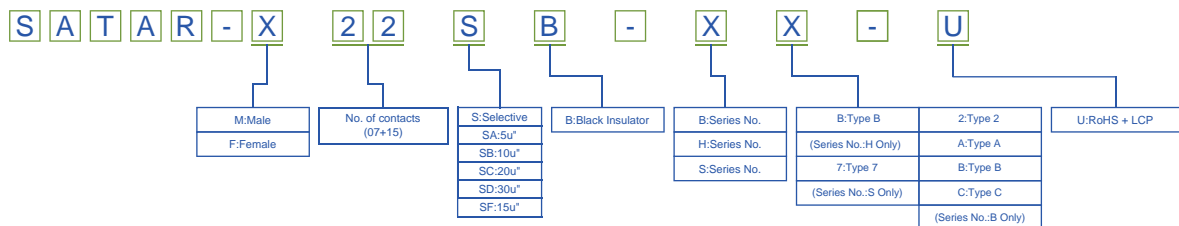
DETAIL E
SCALE: 10:1



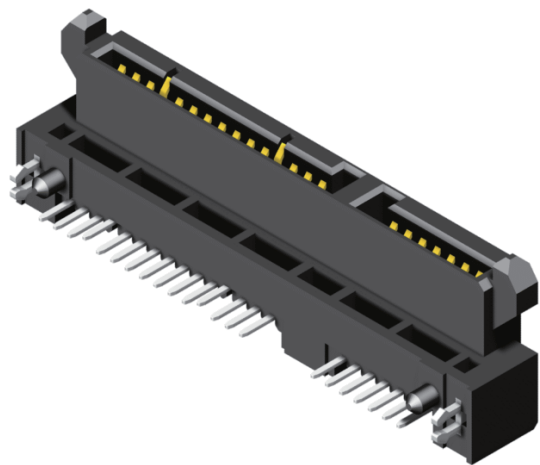
P.C.B. Layout(T=1.6mm)
TOP VIEW

Part No.:SATAR-M22SB-HB-U

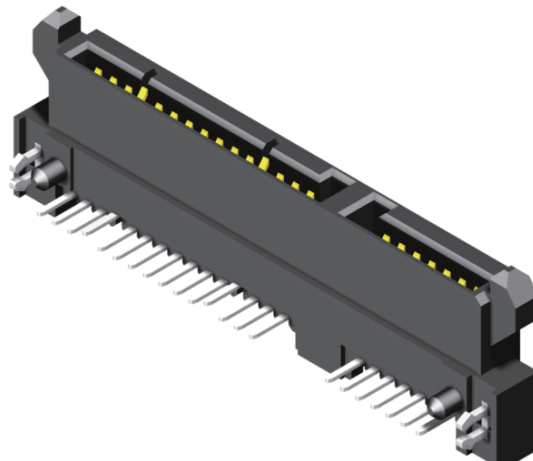
ORDER INFORMATION



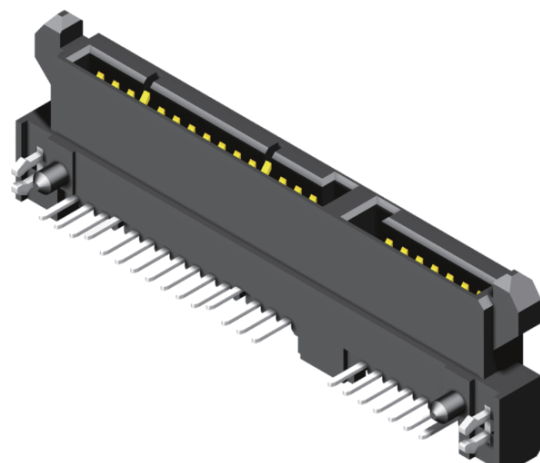
S.ATA 7+15P Right Angle Type



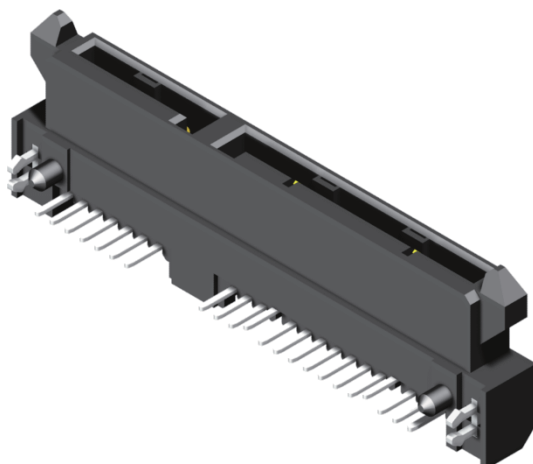
Part No.:SATAR-F22SB-B2-U



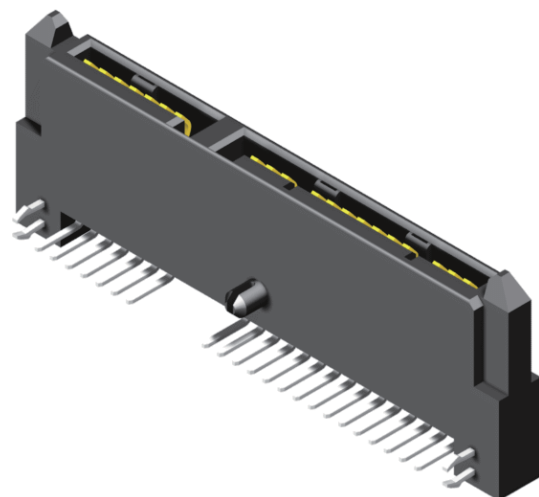
Part No.:SATAR-F22SB-BA-U



Part No.:SATAR-F22SB-BB-U



Part No.:SATAR-F22SB-BC-U



Part No.:SATAR-F22SB-S7-U



S.ATA 7+15P Straight Type

Specifications

Current Rate:1.5 AMP

Insulation Resistance:1000M Ω Min

Contact Resistance:30 m Ω Max

Dielectric Voltage:500V AC for one minute

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

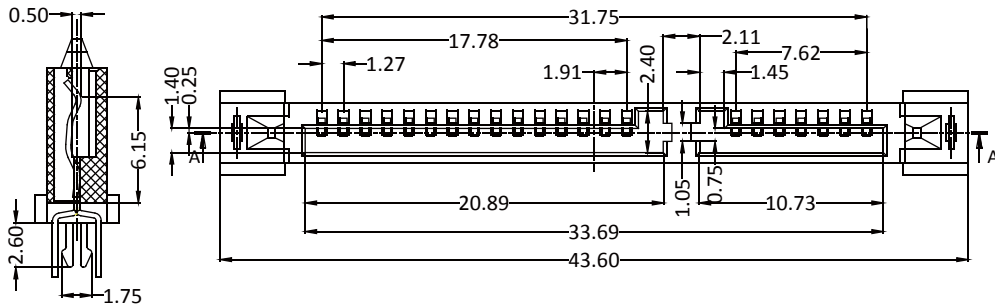
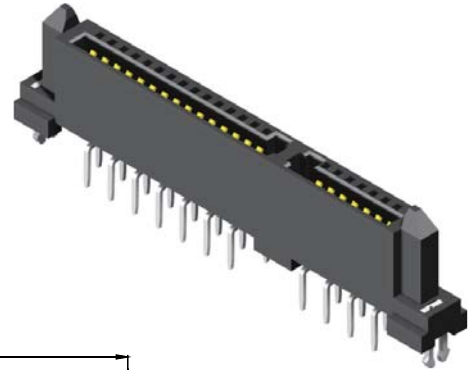
Material

Insulator:High temperature thermoplastic,UL 94V-0

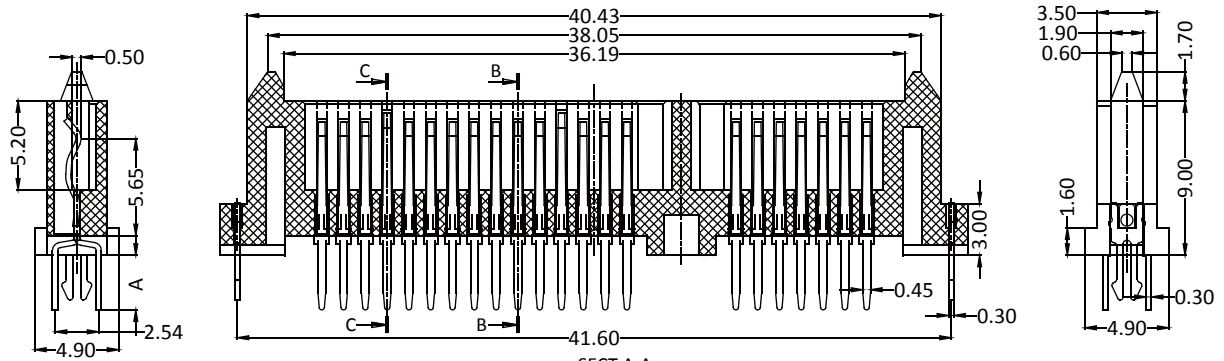
Standard:LCP

Terminal:Copper Alloy

Plated:Selective Plaed

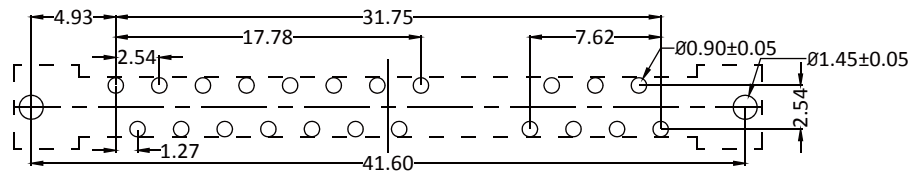


SECT C-C



SECT B-B

SECT A-A

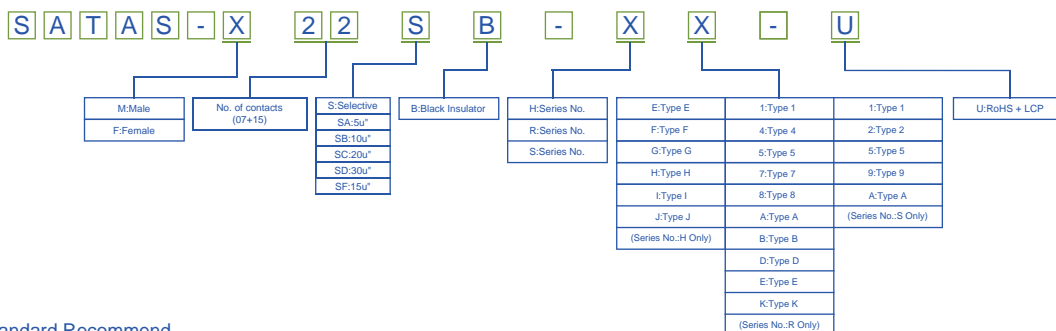


P.C.B. Layout
Top View

Part No.	Dim.A
SATAS-F22SB-R1-U	3.00
SATAS-F22SB-RA-U	3.18

Part No.:SATAS-F22SB-XX-U

ORDER INFORMATION

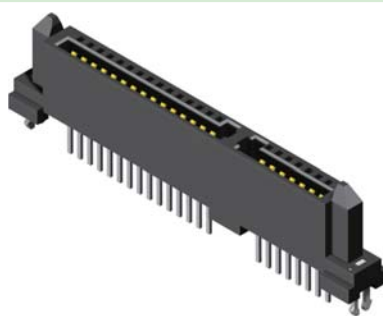


©:Standard Recommend

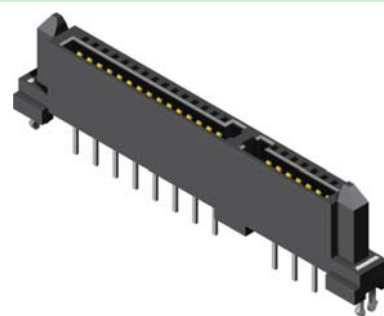
S.ATA 7+15P Straight Type



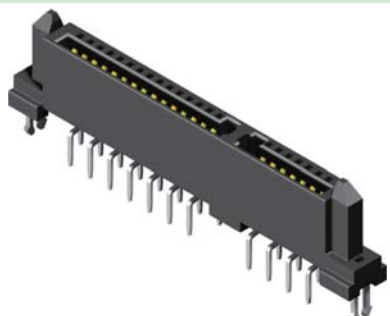
Part No.:SATAS-F22SB-R4-U



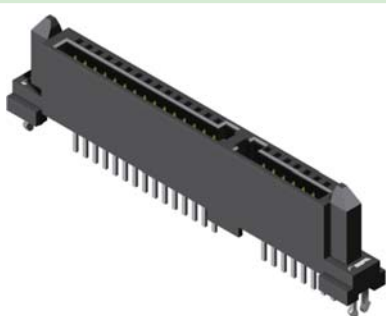
Part No.:SATAS-F22SB-R5-U



Part No.:SATAS-F22SB-R7-U



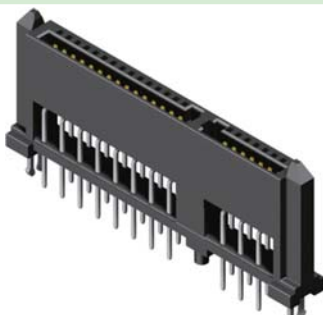
Part No.:SATAS-F22SB-R8(K)-U



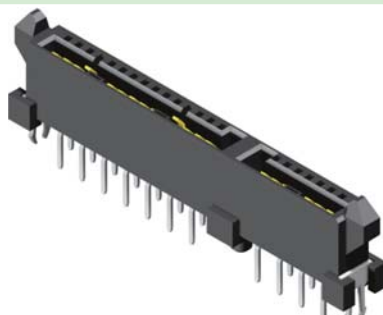
Part No.:SATAS-F22SB-RB-U



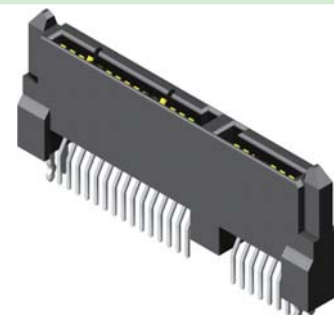
Part No.:SATAR-M22SB-RD-U



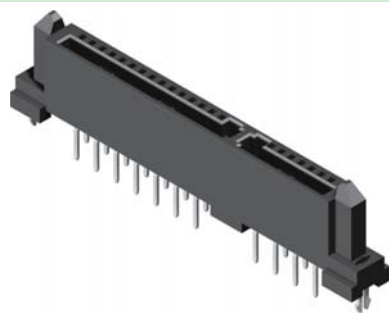
Part No.:SATAR-M22SB-RE-U



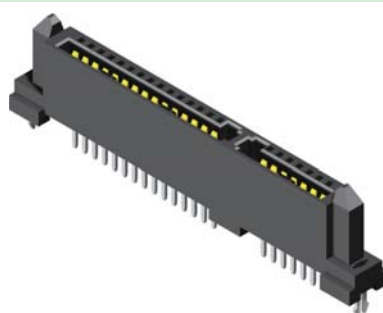
Part No.:SATAS-F22SB-S1-U



Part No.:SATAS-F22SB-S2-U



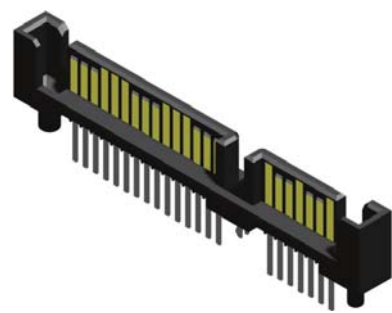
Part No.:SATAS-F22SB-S5-U



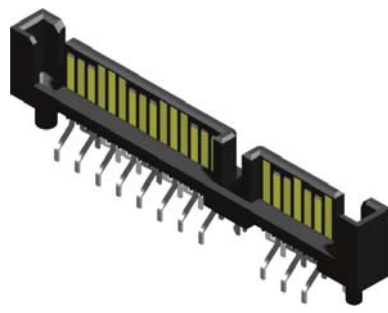
Part No.:SATAS-F22SB-S9-U



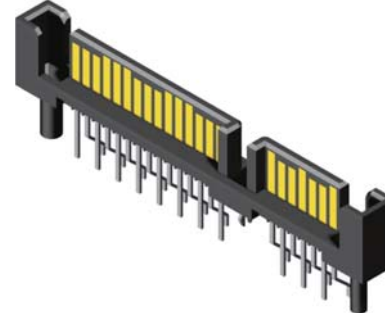
Part No.:SATAS-F22SB-SA-U



Part No.:SATAS-M22SB-HE(HF)-U



Part No.:SATAS-M22SB-HG(HH)-U



Part No.:SATAS-M22SB-HI(HJ)-U



CONNECTORS MANUFACTURER

S.ATA Conn. Series

Specifications

Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Max
 Contact Resistance:30 m Ω Min
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55°C to +125°C

Material

Insulator:Polyester,UL 94V-0

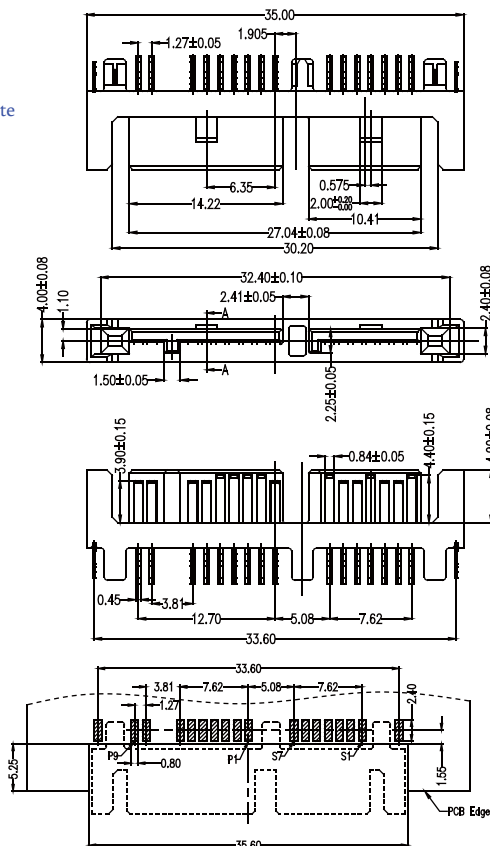
©Standard:LCP

Terminal:Brass

Plating:Selective Plating

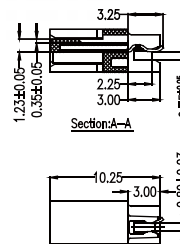
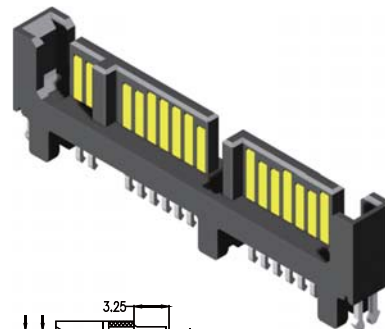
Pin Number	Signal Name
S1	GND
S2	RX+
S3	RX-
S4	GND
S5	TX-
S6	TX+
S7	GND

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



Recommended PCB Layout
 (PCB TOLERANCE ± 0.05)

Part No.:SATAMR-M16SB-V4-U



Specifications

Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min
 Contact Resistance:30 m Ω Max
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C

Material

Insulator:Polyester,UL 94V-0

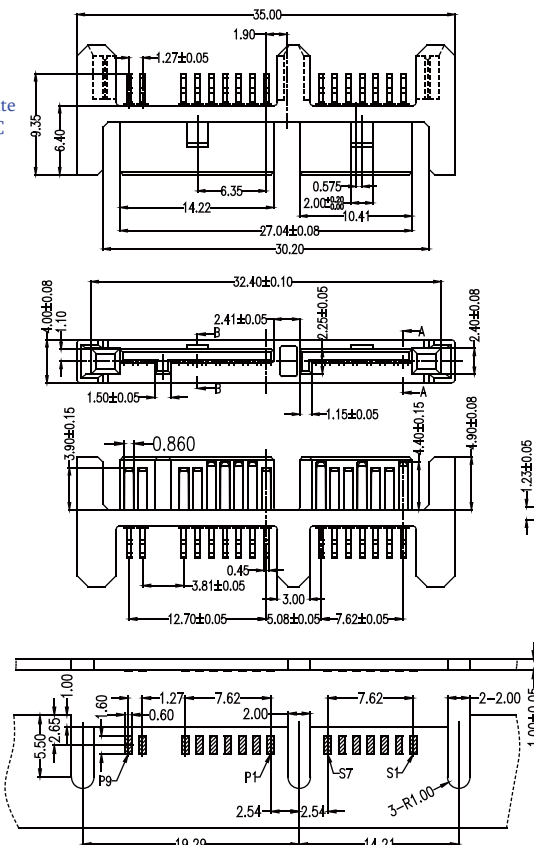
©Standard:LCP

Terminal:Brass

Plating:Selective Plating

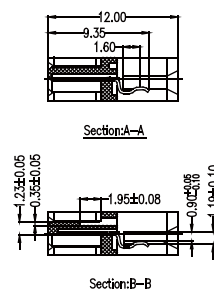
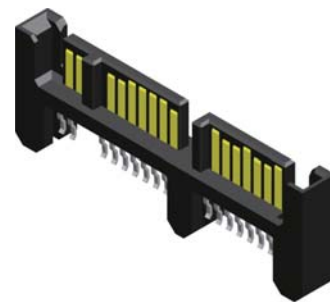
Pin Number	Signal Name
S1	GND
S2	RX+
S3	RX-
S4	GND
S5	TX-
S6	TX+
S7	GND

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



Recommended PCB Layout
 (PCB TOLERANCE ± 0.05)

Part No.:SATAMR-M16SB-V7-U



S
 erial ATA

Pb
 ROHS

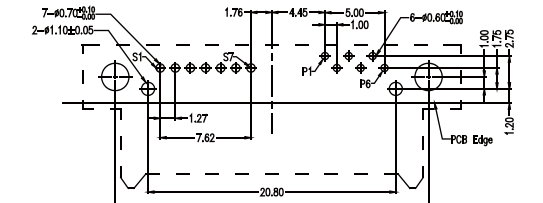
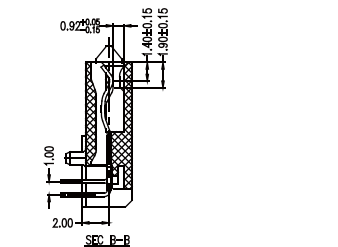
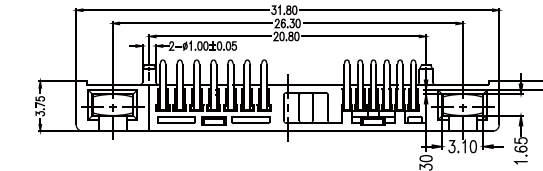
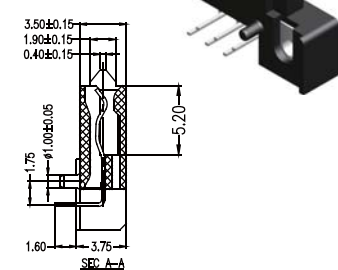
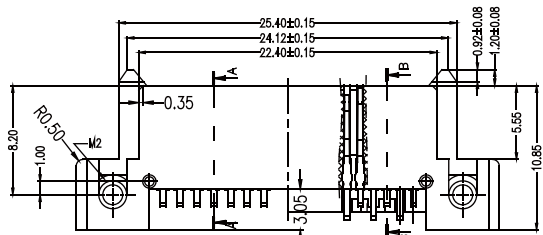
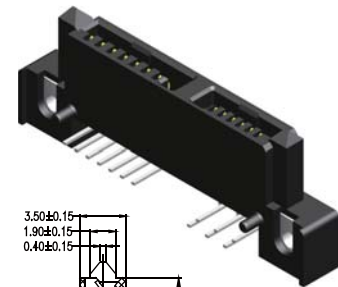
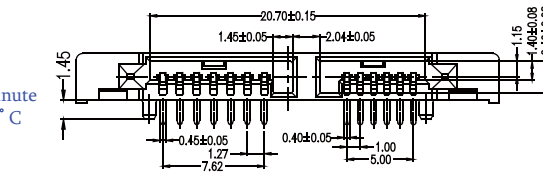


CONNECTORS MANUFACTURER

S.ATA Conn. Series

Specifications

- Current Rate: 1.5 AMP
- Insulation Resistance: 1000MΩ Max
- Contact Resistance: 30 mΩ Min
- Dielectric Voltage: 500V AC for one minute
- Operation Temperature: -55° C to +125° C
- Material
- Insulator: Polyester, UL 94V-0
- ©Standard: LCP
- Terminal: Brass
- Plating: Selective Plating



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

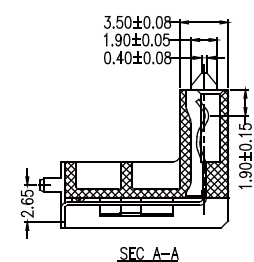
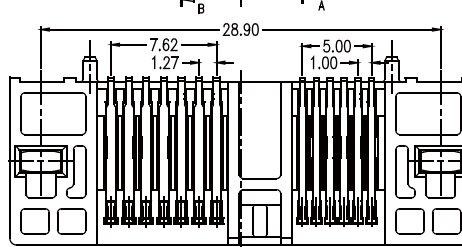
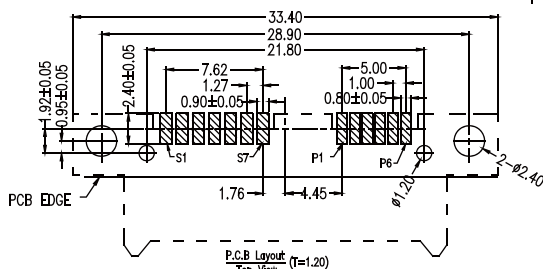
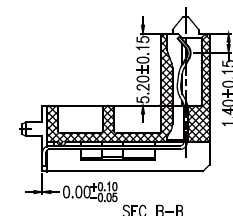
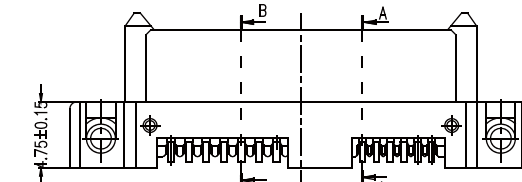
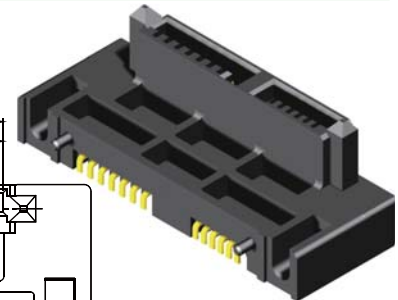
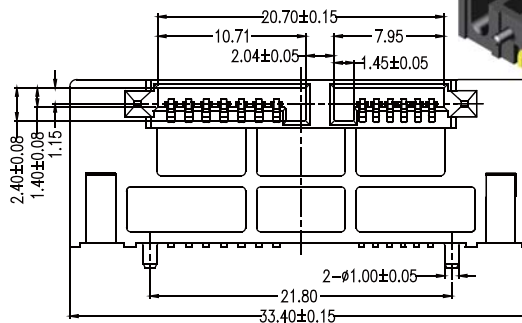
Part No.: SATAR-F13SB-G2-U

Pin Number	Signal Name
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

Pin Number	Power Line Designation
P1	DP
P2	+5V
P3	+5V
P4	MD
P5	GND
P6	GND

Specifications

- Current Rate: 1.5 AMP
- Insulation Resistance: 1000MΩ Max
- Contact Resistance: 30 mΩ Min
- Dielectric Voltage: 500V AC for one minute
- Operation Temperature: -55° C to +125° C
- Material
- Insulator: Polyester, UL 94V-0
- ©Standard: LCP
- Terminal: Brass
- Plating: Selective Plating



Part No.: SATAM-F13SB-G6-U

Serial ATA

Pb

ROHS



E.SATA Conn. Series

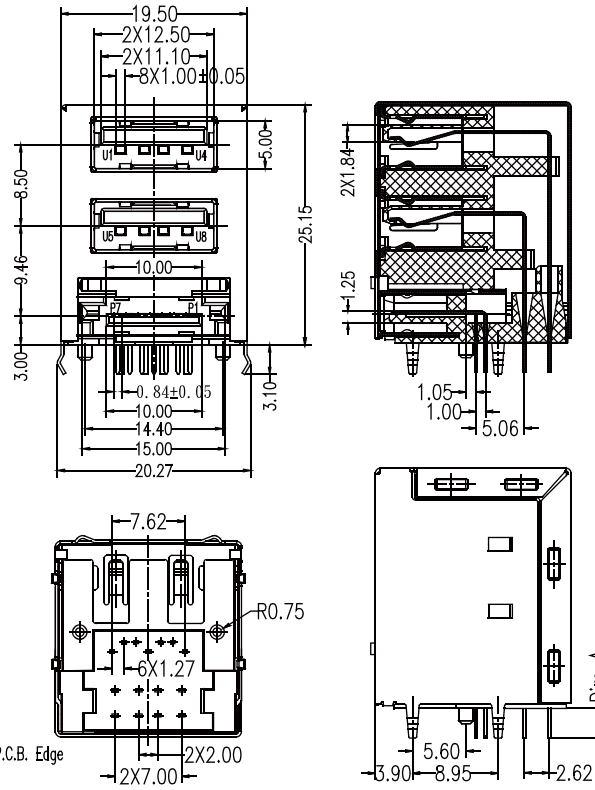
Specifications

Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Max
 Contact Resistance:30 m Ω Min
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C

Material

Insulator:Polyester,UL 94V-0
 ©Standard: Housing:Nylon 66
 eSATA:Nylon 46
 Terminal:Brass
 Plating:Selective Plating

Standard	Dim A
ESATAU-15SB-1-L	2.15
ESATAU-15SB-2-L	3.10



Part No.:ESATAU-15SB-L

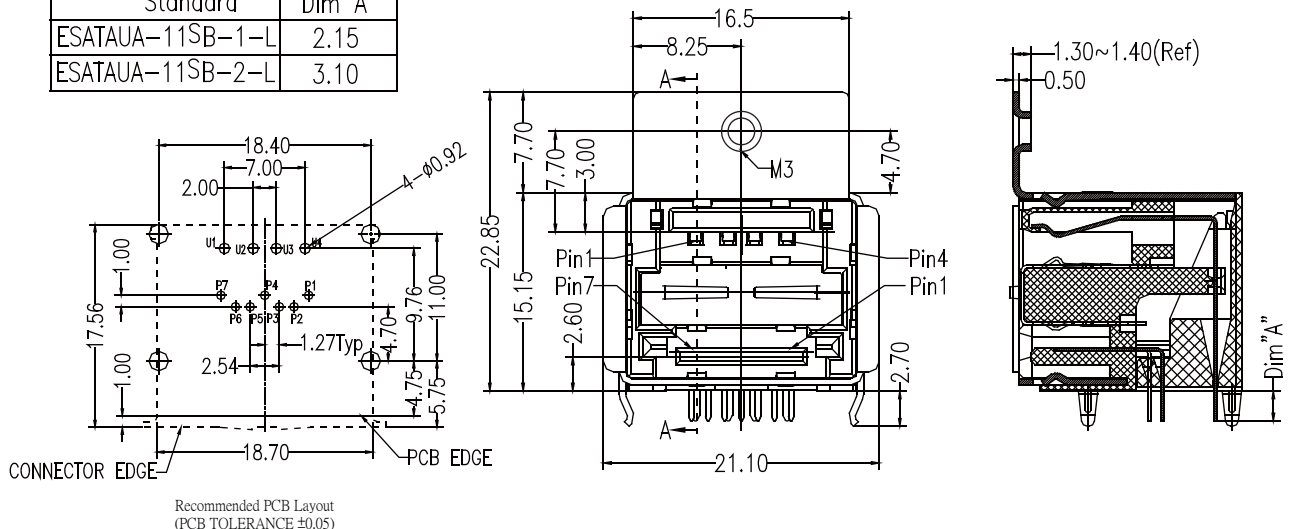
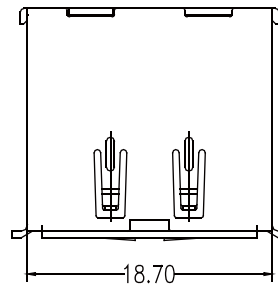
Specifications

Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Max
 Contact Resistance:30 m Ω Min
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55° C to +125° C

Material

Insulator:Polyester,UL 94V-0
 ©Standard: Housing:PBT
 Retainer:Nylon 66
 Terminal:Brass
 Plating:Selective Plating

Standard	Dim A
ESATAUA-11SB-1-L	2.15
ESATAUA-11SB-2-L	3.10



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

Part No.:ESATAUA-11SB-L

E SATA

Pb

ROHS

E.SATA Conn. Series

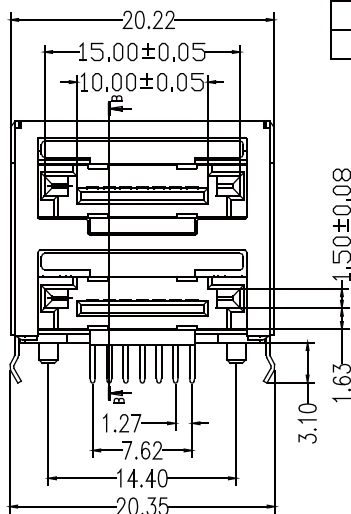
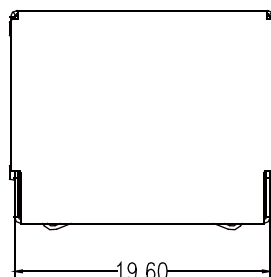
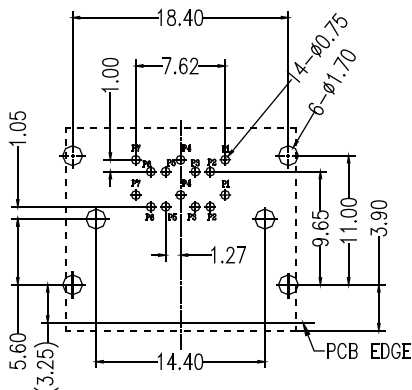
Specifications

Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min.
 Contact Resistance:30 m Ω Max.
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55°C to +125°C

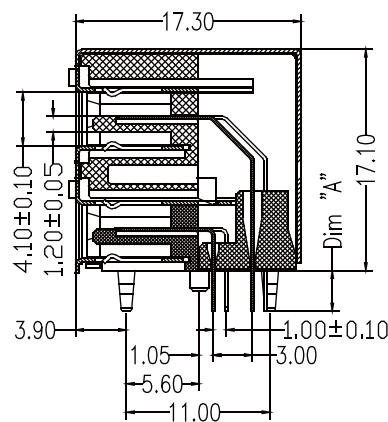
Material

Insulator:Polyester,UL 94V-0
 ©Standard: Housing:Nylon 46
 eSATA:Nylon 46
 Terminal:Brass
 Plating:Selective Plating

P/N	Dim. A
ESATA2D-14SR-1-L	3.10
ESATA2D-14SR-2-L	2.15



Pin Number	Signal Name
P1	GND
P2	RX+
P3	RX-
P4	GND
P5	TX-
P6	TX+
P7	GND



Part No.:ESATA2D-14SB-U

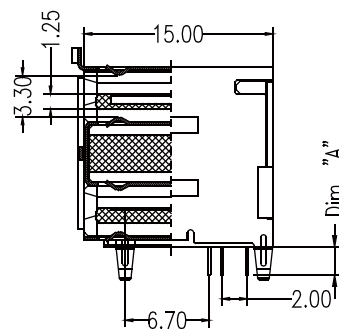
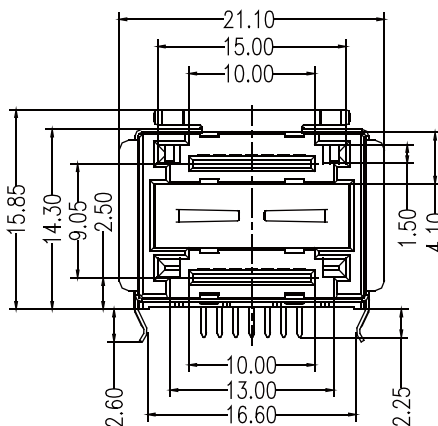
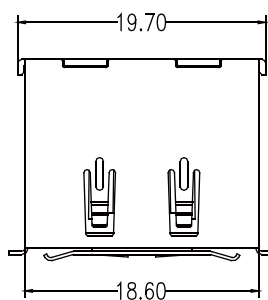
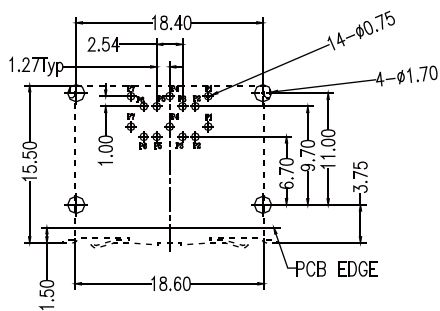
Specifications

Current Rate:1.5 AMP
 Insulation Resistance:1000M Ω Min.
 Contact Resistance:30 m Ω Max.
 Dielectric Voltage:500V AC for one minute
 Operation Temperature:-55°C to +125°C

Material

Insulator:Polyester,UL 94V-0
 ©Standard: Housing:PBT
 Retainer:Nylon 66
 Terminal:Brass
 Plating:Selective Plating

P/N	Dim. A
ESATA2E-14SB-1-L	3.10
ESATA2E-14SB-2-L	2.15



Part No.:ESATA2E-14SB-L



CONNECTORS MANUFACTURER

BNC Conn. Series

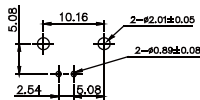
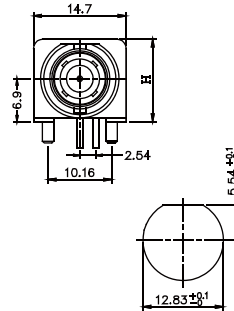
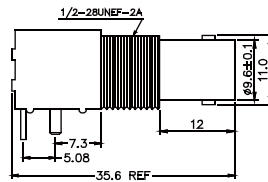
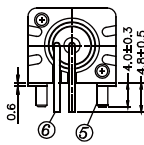
Material & Finish

Body: Zinc Alloy Nickel Plating

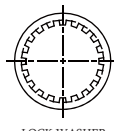
Insulator: PBT

Center Contact : Phosphor Bronze , Gold Plating

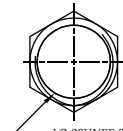
Mounting Post: Phosphor Bronze / Tin Plating



RECOMMENDED PC BOARD LAYOUT WITHOUT MOUNTING POSTS



LOCK WASHER



1/2-28UNEF-2B CLAMP NUT

RECOMMENDED MOUNTING HOLE
MAXIMUM PANEL THICKNESS: 5.6MM

Part No.: BNCR002-F GW -L

5:50 Ω 7:75 Ω 2:H=13.16mm 3:H=15.8mm

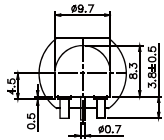
Material & Finish

Body: Zinc Alloy Nickel Plating

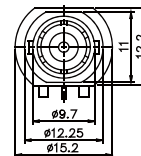
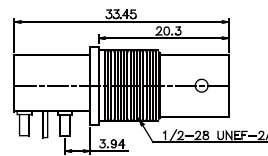
Insulator: TEFLON

Center Contact : Phosphor Bronze , Gold Plating

Mounting Post: Phosphor Bronze / Tin Plating



1/2-28UNEF-2B CLAMP NUT



RECOMMENDED PC BOARD LAYOUT WITHOUT MOUNTING POSTS

LOCK WASHER

RECOMMENDED MOUNTING HOLE
MAXIMUM PANEL THICKNESS: 5.6MM

Part No.: BNCR003-F GW -L

5:50 Ω 7:75 Ω 1: With Accessories 2: W/O Accessories

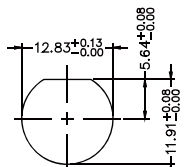
Material & Finish

Body: Zinc Alloy Nickel Plating

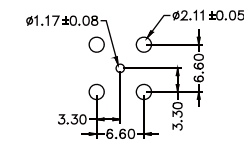
Insulator: TEFLON

Center Contact : Phosphor Bronze / Gold Plating

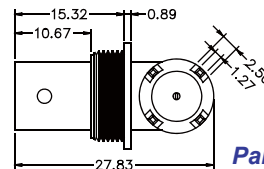
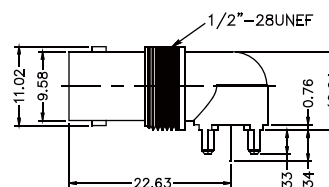
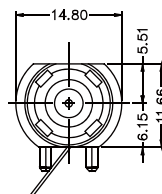
Mounting Post: Phosphor Bronze / Tin Plating



RECOMMENDED MOUNTING HOLE
MAXIMUM PANEL THICKNESS: 5.5MM



RECOMMENDED PC BOARD LAYOUT WITHOUT MOUNTING POSTS



Part No.: BNCR004-F GW -L

5:50 Ω 7:75 Ω

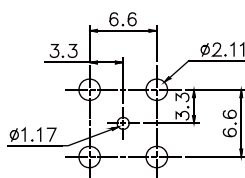
Material & Finish

Body: Zinc Alloy Nickel Plating

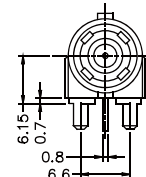
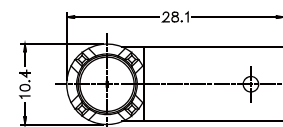
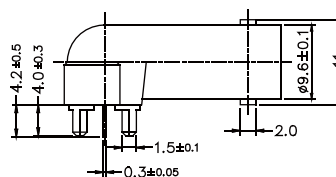
Insulator: TEFLON

Center Contact: Phosphor Bronze , Tin Plating

Mounting Post: Phosphor Bronze / 3u" Gold Plating



RECOMMENDED PC BOARD LAYOUT



Part No.: BNCR005-M TW -L

5:50 Ω 7:75 Ω

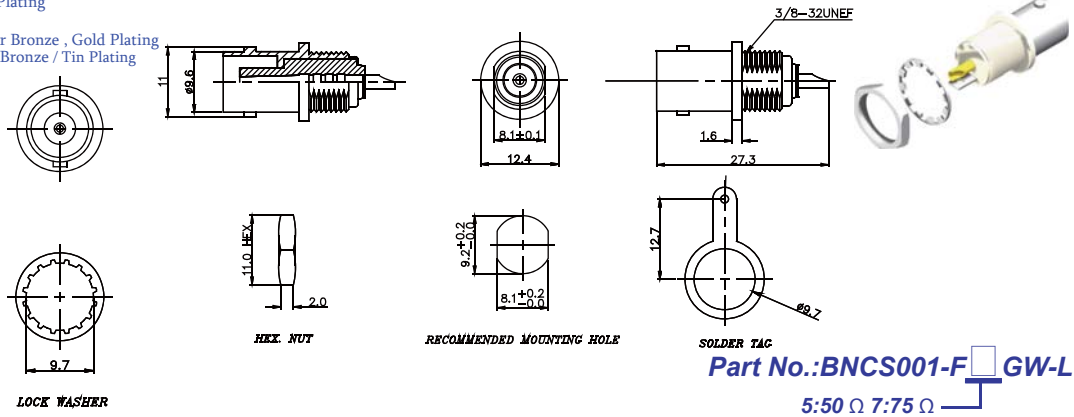
BNC Conn.

Pb

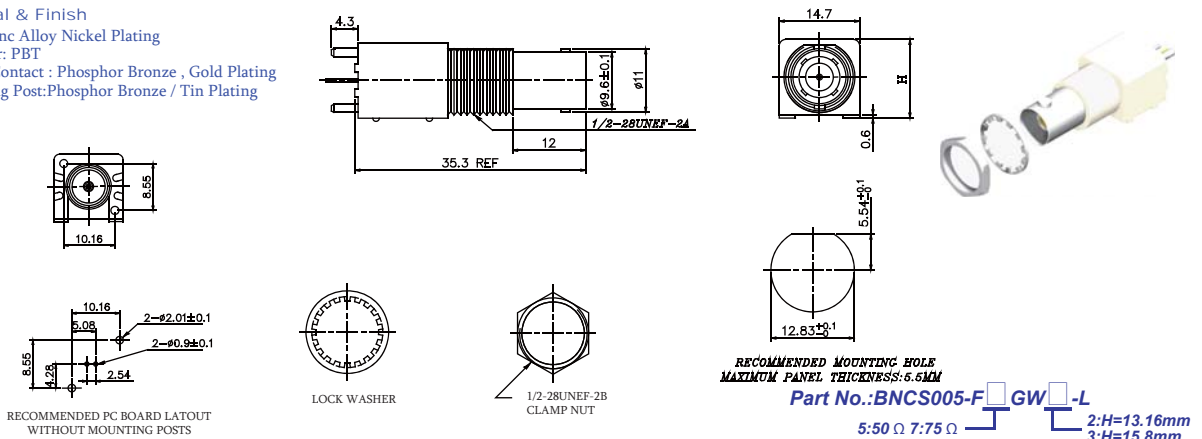
RoHS

BNC & TNC Conn. Series

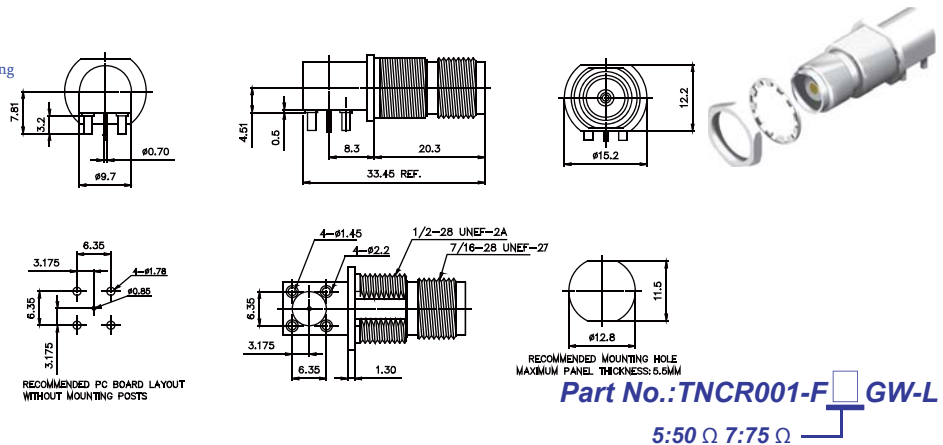
Material & Finish
 Body: Zinc Alloy Nickel Plating
 Insulator: DELRIN
 Center Contact: Phosphor Bronze , Gold Plating
 Mounting Post: Phosphor Bronze / Tin Plating



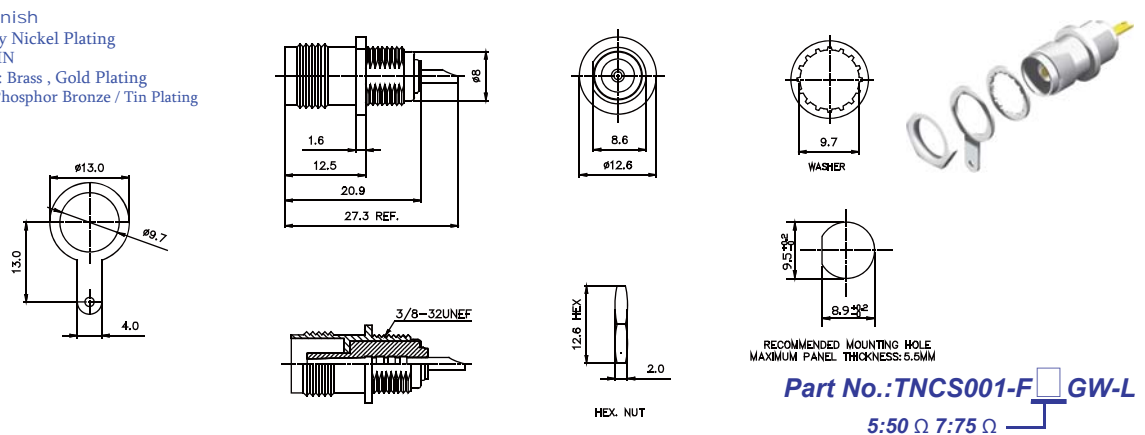
Material & Finish
 Body: Zinc Alloy Nickel Plating
 Insulator: PBT
 Center Contact : Phosphor Bronze , Gold Plating
 Mounting Post: Phosphor Bronze / Tin Plating



Material & Finish
 Body: Zinc Alloy Nickel Plated
 Insulator: TEFLON
 Center Contact : Phosphor Bronze , Gold Plating
 Mounting Post: Bronze / Tin Plating



Material & Finish
 Body: Zinc Alloy Nickel Plating
 Insulator: DELRIN
 Center Contact : Brass , Gold Plating
 Mounting Post: Phosphor Bronze / Tin Plating





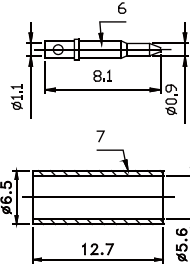
CONNECTORS MANUFACTURER

SMA Conn. Series

SMA Conn.

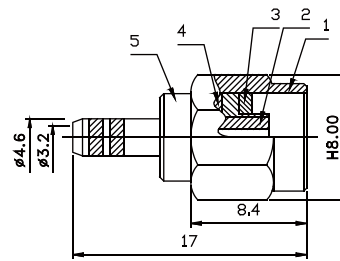
Pb

ROHS

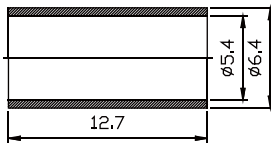


7	FERRULE	BRASS	GOLD	1
6	MALE CONTACT	BRASS	GOLD	1
5	INNER BODY	BRASS	GOLD	1
4	WASHER	BRASS	GOLD	1
3	GASKET	SILICON		1
2	INSULATOR	TEFLON		1
1	CONTACT BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1100V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR 1.5 dB MAX. AT 1.0GHz RIGHT ANGLE CONNECTOR 3.0 dB MAX. AT 1.0GHz

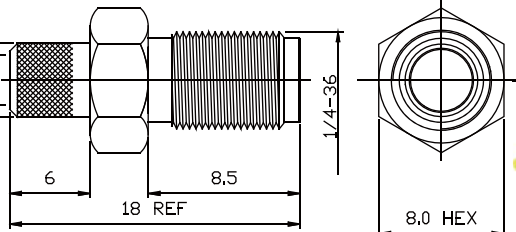


Part No.:SMA001-M GW-L
5:50 Ω 7:75 Ω

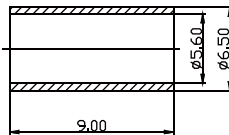


5	FERRULE	BRASS	GOLD	1
4	DIELECTRIC	TEFLON		1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR 1.5 dB MAX. AT 1.0GHz RIGHT ANGLE CONNECTOR 3.0 dB MAX. AT 1.0GHz

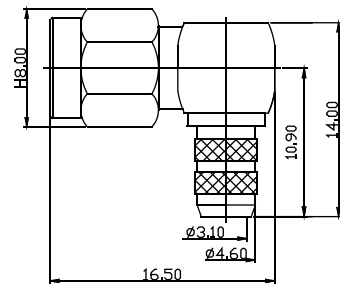


Part No.:SMA001-F GW-L
5:50 Ω 7:75 Ω

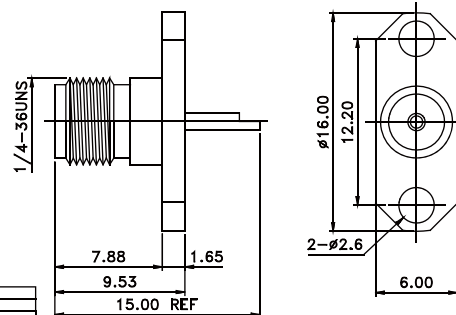
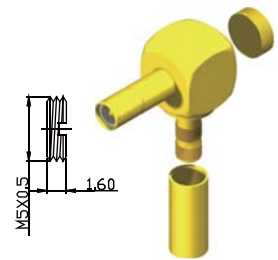


9	NUT	BRASS	GOLD	1
8	FERRULE	BRASS	GOLD	1
7	MALE CONTACT	BRASS	GOLD	1
6	INNER BODY	BRASS	GOLD	1
5	WASHER	BRASS	GOLD	1
4	GASKET	SILICON		1
3	INSULATOR	TEFLON		1
2	BODY	BRASS	GOLD	1
1	CONTACT BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR 1.5 dB MAX. AT 1.0GHz RIGHT ANGLE CONNECTOR 3.0 dB MAX. AT 1.0GHz



Part No.:SMA002-M GW-L
5:50 Ω 7:75 Ω



3	DIELECTRIC	TEFLON		1
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1100V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR 1.5 dB MAX. AT 1.0GHz RIGHT ANGLE CONNECTOR 3.0 dB MAX. AT 1.0GHz

Part No.:SMA003-F GW-L
5:50 Ω 7:75 Ω

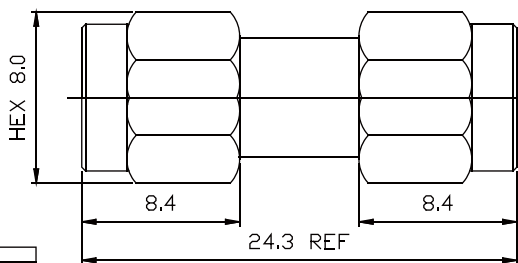


CONNECTOR MANUFACTURER

SMA Conn. Series

6	GASKET	RUBBER	RED	2
5	RETAINING RING	BRASS	NICKEL	2
4	SHELL	BRASS	NICKEL	2
3	DIELECTRIC	TEFLON		2
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

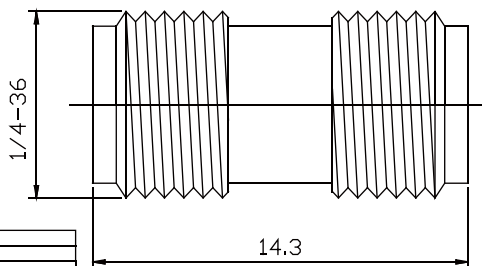
IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR .15 dB MAX. AT 1.0GHz RIGHT ANGLE CONNECTOR .30 dB MAX. AT 1.0GHz



Part No.:SMA004-M GW-L
5:50 Ω 7:75 Ω

3	DIELECTRIC	TEFLON		1
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

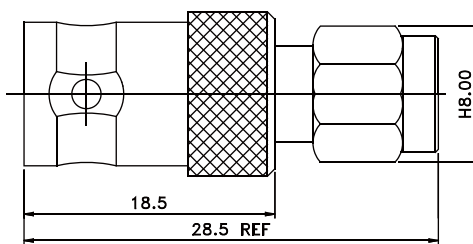
IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR .15 dB MAX. AT 1.0GHz RIGHT ANGLE CONNECTOR .30 dB MAX. AT 1.0GHz



Part No.:SMA005-F GW-L
5:50 Ω 7:75 Ω

6	NUT	BRASS	NICKEL	1
5	INSULATOR	DELFIN		1
4	INSULATOR	DELFIN		1
3	PIN	BRASS	GOLD	1
2	BODY	ZINC	NICKEL	1
1	BODY	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

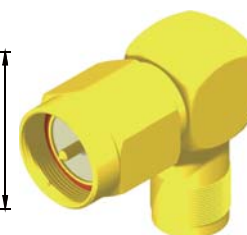
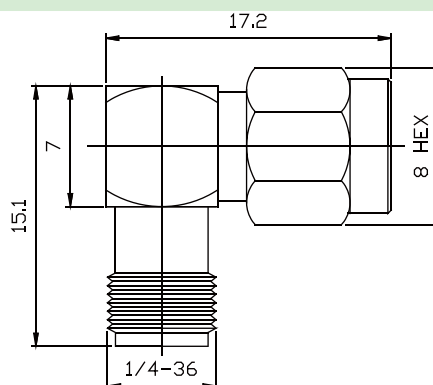
IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR .15 dB MAX. AT 1.0GHz RIGHT ANGLE CONNECTOR .30 dB MAX. AT 1.0GHz



Part No.:SMA006-M GW-L
5:50 Ω 7:75 Ω

8	SHELL	BRASS	GOLD	1
7	GASKET	BRASS		1
6	RETAINING RING	BRASS	GOLD	1
5	DIELECTRIC	TEFLON		1
4	DIELECTRIC	TEFLON		1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

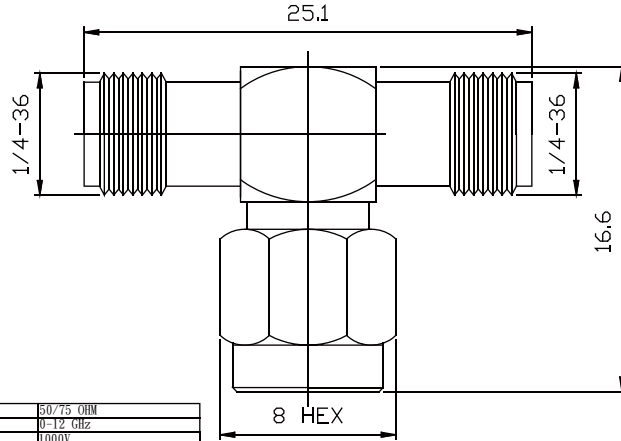
IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR .15 dB MAX. AT 1.0GHz RIGHT ANGLE CONNECTOR .30 dB MAX. AT 1.0GHz



Part No.:SMA007-M GW-L
5:50 Ω 7:75 Ω

SMA Conn. Series

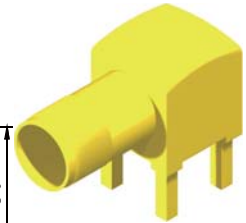
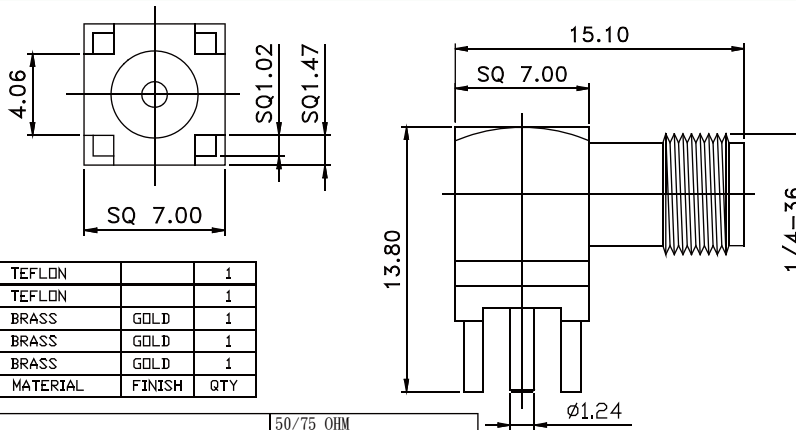
SMA Conn.



NO	DESCRIPTION	MATERIAL	FINISH	QTY
10	PIN	BRASS	GOLD	1
9	BODY	BRASS	GOLD	2
8	SHELL	BRASS	GOLD	1
7	GASKET	BRASS		1
6	RETAINING RING	BRASS	GOLD	1
5	DIELECTRIC	TEFLON		1
4	DIELECTRIC	TEFLON		2
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1

IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS
	OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR .15 dB MAX. AT 1.0GHz
	RIGHT ANGLE CONNECTOR .30 dB MAX. AT 1.0GHz

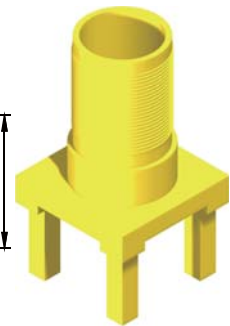
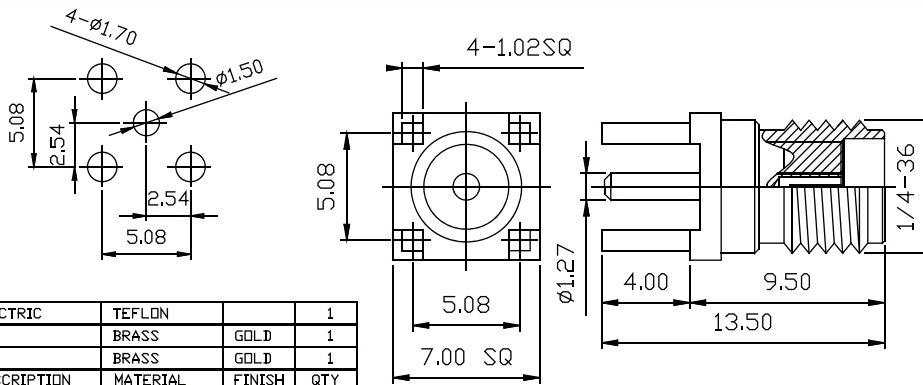
Part No.: SMA008-M GW-L
5:50 Ω 7:75 Ω



NO	DESCRIPTION	MATERIAL	FINISH	QTY
5	DIELECTRIC	TEFLON		1
4	DIELECTRIC	TEFLON		1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1

IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS
	OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR .15 dB MAX. AT 1.0GHz
	RIGHT ANGLE CONNECTOR .30 dB MAX. AT 1.0GHz

Part No.: SMA009-F GW-L
5:50 Ω 7:75 Ω



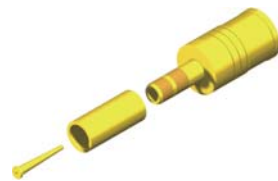
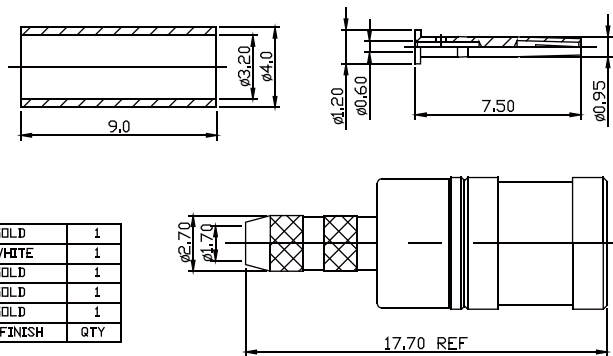
NO	DESCRIPTION	MATERIAL	FINISH	QTY
3	DIELECTRIC	TEFLON		1
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1

IMPEDANCE	50/75 OHM
FREQUENCY	0-12 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS	1000V
WORKING VOLTAGE DC	500V
INSULATION RESISTANCE	5000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR ≤ 3 MILLIOHMS
	OUTER CONDUCTOR ≤ 0.5 MILLIOHMS
INSERTION LOSS (dB MAX.)	STRAIGHT CONNECTOR .15 dB MAX. AT 1.0GHz
	RIGHT ANGLE CONNECTOR .30 dB MAX. AT 1.0GHz

Part No.: SMA010-F GW-L
5:50 Ω 7:75 Ω

Pb ROHS

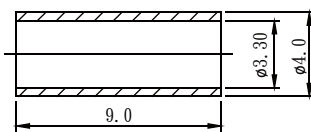
SMB Conn. Series



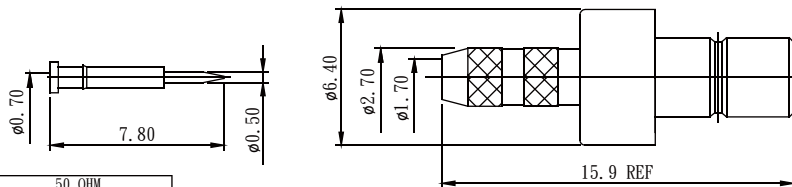
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4	DIELECTRIC	TEFLON	WHITE	1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE		50 OHM
FREQUENCY		0-4 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS		750V 1000V
WORKING VOLTAGE 50 Hz RMS		250V 335V
WORKING VOLTAGE DC		350V 450V
INSULATION RESISTANCE		1000 MEGOHMS MIN
CONTACT	INNER CONDUCTOR	3 MILLIOHMS
RESISTANCE	OUTER CONDUCTOR	0.5 MILLIOHMS
INSERTION LOSS	STRAIGHT CONNECTOR	.15 dB MAX. AT 1.0GHz
(dB MAX.)	RIGHT ANGLE CONNECTOR	.30 dB MAX. AT 1.0GHz

Part No.: **SMB001-M** **GW-L**
5:50 Ω 7:75 Ω

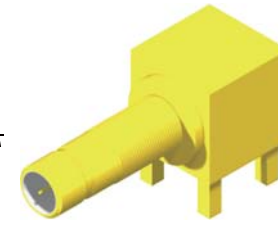
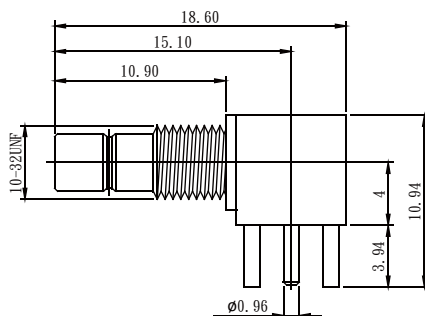
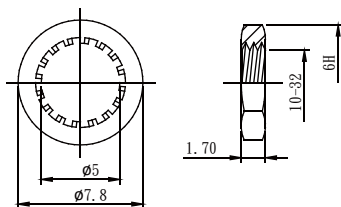


5	FERRULE	BRASS	GOLD	1
4	DIELECTRIC	TEFLON	NONE	1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



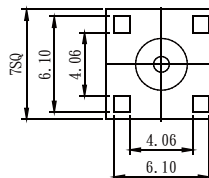
IMPEDANCE		50 OHM
FREQUENCY		0-4 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS		750V 1000V
WORKING VOLTAGE 50 Hz RMS		250V 335V
WORKING VOLTAGE DC		350V 450V
INSULATION RESISTANCE		1000 MEGOHMS MIN
CONTACT	INNER CONDUCTOR	3 MILLIOHMS
RESISTANCE	OUTER CONDUCTOR	0.5 MILLIOHMS
INSERTION LOSS	STRAIGHT CONNECTOR	.15 dB MAX. AT 1.0GHz
(dB MAX.)	RIGHT ANGLE CONNECTOR	.30 dB MAX. AT 1.0GHz

Part No.: **SMB002-M** **GW-L**
5:50 Ω 7:75 Ω



7	NUT	BRASS	GOLD	1
6	WASHER	BRASS	GOLD	1
5	DIELECTRIC	TEFLON	NONE	1
4	DIELECTRIC	TEFLON	NONE	1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE		50 OHM
FREQUENCY		0-4 GHz
DIELECTRIC WITHSTANDING VOLTAGE 50 Hz RMS		750V 1000V
WORKING VOLTAGE 50 Hz RMS		250V 335V
WORKING VOLTAGE DC		350V 450V
INSULATION RESISTANCE		1000 MEGOHMS MIN
CONTACT	INNER CONDUCTOR	3 MILLIOHMS
RESISTANCE	OUTER CONDUCTOR	0.5 MILLIOHMS
INSERTION LOSS	STRAIGHT CONNECTOR	.15 dB MAX. AT 1.0GHz
(dB MAX.)	RIGHT ANGLE CONNECTOR	.30 dB MAX. AT 1.0GHz



Part No.: **SMB003-F** **GW-L**
5:50 Ω 7:75 Ω



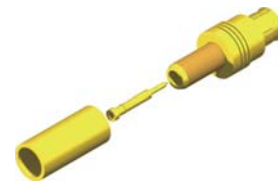
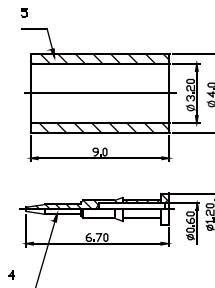
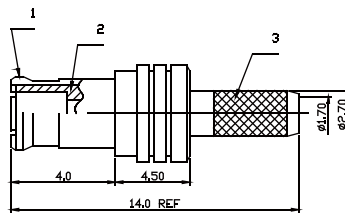
CONNECTORS MANUFACTURER

MCX Conn. Series

M CX Conn.

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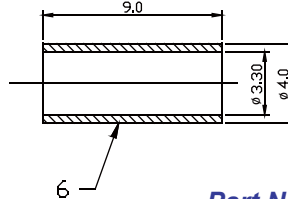
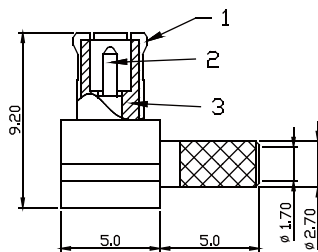
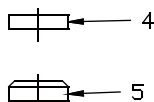
ROHS



5	FERRULE	BRASS	GOLD	1
4	CONTACT MALE	BRASS	GOLD	1
3	BODY	BRASS	GOLD	1
2	INSULATOR	TEFLON		1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	1000 VRMS MIN
WORKING VOLTAGE	335 VRMS MAX
INSULATION RESISTANCE	1000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

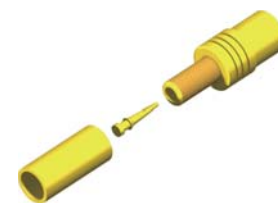
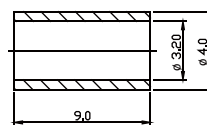
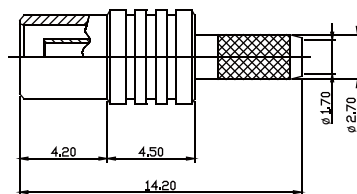
Part No.: MCX001-M GW-L
5:50 Ω 7:75 Ω



6	FERRULE	BRASS	GOLD	1
5	COVER	BRASS	GOLD	1
4	INSULATOR	TEFLON		1
3	INSULATOR	TEFLON		1
2	CENTER CONTACT	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	1000 VRMS MIN
WORKING VOLTAGE	335 VRMS MAX
INSULATION RESISTANCE	1000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

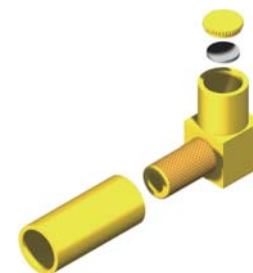
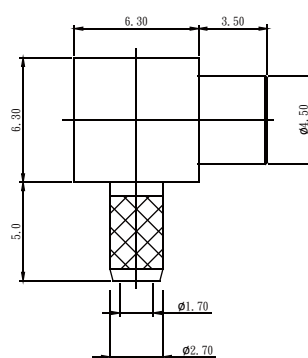
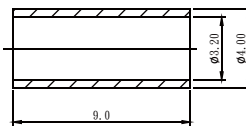
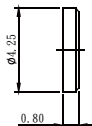
Part No.: MCX002-M GW-L
5:50 Ω 7:75 Ω



5	FERRULE	BRASS	GOLD	1
4	CONTACT FEMALE	BRASS	GOLD	1
3	BODY	BRASS	GOLD	1
2	INSULATOR	TEFLON		1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	1000 VRMS MIN
WORKING VOLTAGE	335 VRMS MAX
INSULATION RESISTANCE	1000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

Part No.: MCX003-F GW-L
5:50 Ω 7:75 Ω



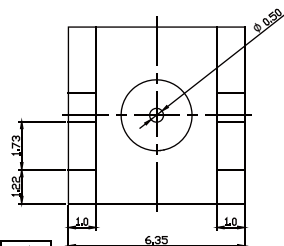
7	FERRULE	BRASS	GOLD	1
6	CAP	BRASS	GOLD	1
5	DIELECTRIC	DELFIN		1
4	BODY	BRASS	GOLD	1
3	DIELECTRIC	TEFLON		1
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	1000 VRMS MIN
WORKING VOLTAGE	335 VRMS MAX
INSULATION RESISTANCE	1000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

Part No.: MCX004-F GW-L
5:50 Ω 7:75 Ω

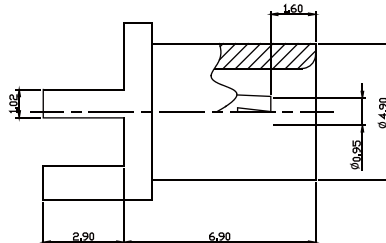
COMMUNICATION MANUFACTURING

MCX & MMCX Conn. Series

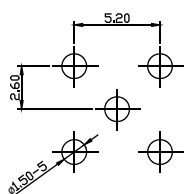


3	DIELECTRIC	TEFLON		1
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	1000 VRMS MIN
WORKING VOLTAGE	335 VRMS MAX.
INSULATION RESISTANCE	1000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

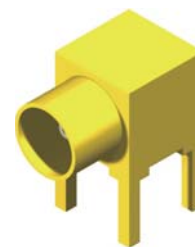
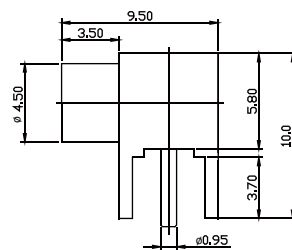


Part No.: MCX005-F GW-L
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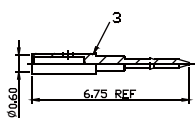


5	DIELECTRIC	TEFLON		1
4	DIELECTRIC	TEFLON		1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	1000 VRMS MIN
WORKING VOLTAGE	335 VRMS MAX.
INSULATION RESISTANCE	1000 MEGOHMS MIN
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

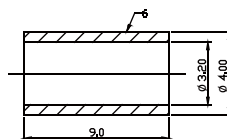
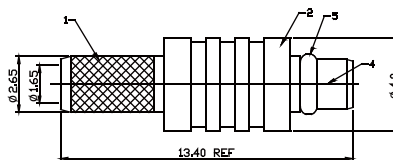


Part No.: MCX006-F GW-L
5:50 Ω 7:75 Ω

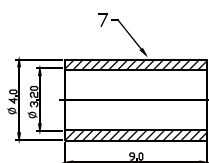


6	FERRULE	BRASS	GOLD	1
5	RETAINING	BRASS	GOLD	1
4	DIELECTRIC	TEFLON		1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	500 VRMS MIN
VOLTAGE RATING	170 VRMS MAX.
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

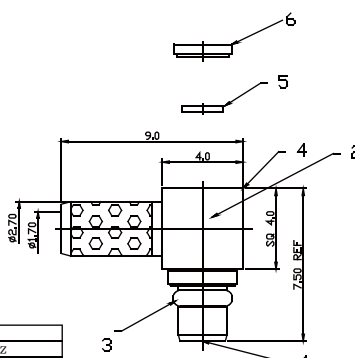


Part No.: MMCX001-M GW-L
5:50 Ω 7:75 Ω



7	FERRULE	BRASS	GOLD	1
6	COVER	BRASS	GOLD	1
5	INSULATOR	PDM		1
4	BODY	BRASS	GOLD	1
3	LINK LOCK	BRASS	GOLD	1
2	INSULATOR	TEFLON		1
1	CENTER CONTACT	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	500 VRMS MIN
VOLTAGE RATING	170 VRMS MAX.
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

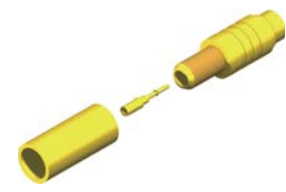
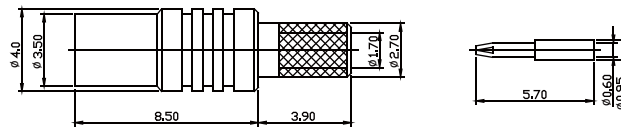


Part No.: MMCX002-M GW-L
5:50 Ω 7:75 Ω

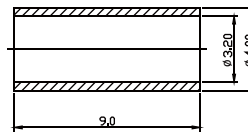


CONNECTORS MANUFACTURER

MMCX Conn. Series

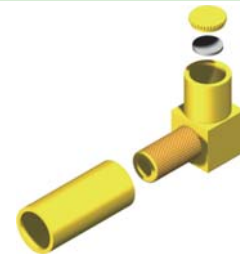
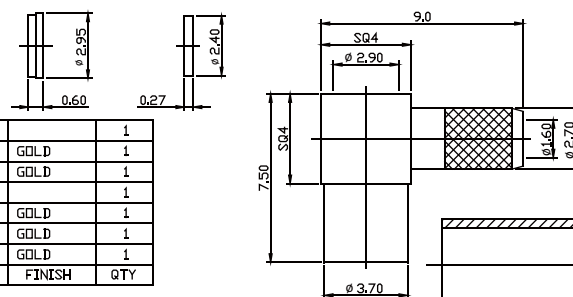


4	FERRULE	BRASS	GOLD	1
3	CENTER CONTACT	BRASS	GOLD	1
2	INSULATOR	TEFLON		1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	500 VRMS MIN
VOLTAGE RATING	170 VRMS MAX.
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

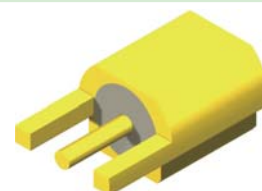
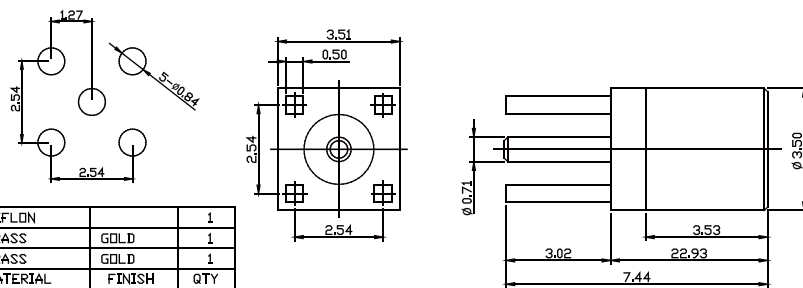
Part No.:MMCX003-F GW-L
5:50 Ω 7:75 Ω



7	DIELECTRIC	DEL RIN		1
6	STOPPLE	BRASS	GOLD	1
5	FERRULE	BRASS	GOLD	1
4	DIELECTRIC	TEFLON		1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	500 VRMS MIN
VOLTAGE RATING	170 VRMS MAX.
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

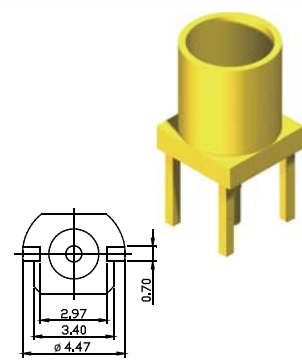
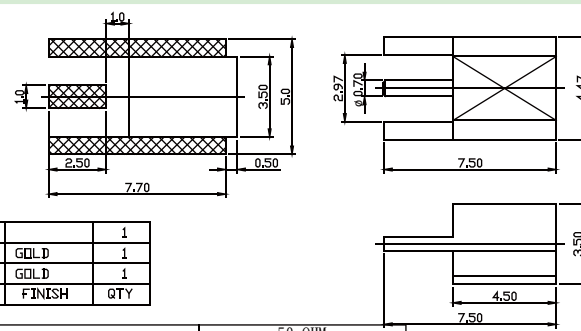
Part No.:MMCX004-F GW-L
5:50 Ω 7:75 Ω



3	DIELECTRIC	TEFLON		1
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	500 VRMS MIN
VOLTAGE RATING	170 VRMS MAX.
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

Part No.:MMCX005-F GW-L
5:50 Ω 7:75 Ω



3	DIELECTRIC	TEFLON		1
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

IMPEDANCE	50 OHM
FREQUENCY	0-6.0 GHz
DIELECTRIC WITHSTANDING VOLTAGE	500 VRMS MIN
VOLTAGE RATING	170 VRMS MAX.
CONTACT RESISTANCE	INNER CONDUCTOR = 5.0 MILLIOHMS OUTER CONDUCTOR = 2.5 MILLIOHMS

Part No.:MMCX006-F GW-L
5:50 Ω 7:75 Ω

M MCX Conn.

Pb

ROHS

CONNECTOR MANUFACTURER

