

PRODUCT RANGE

Board to Board connectors	板對板連接器.....	01~53
Discrete wire connectors	單線類連接器.....	54~65
Ribbon cable connectors	排線類連接器.....	66~68
FPC/FFC cable connectors	軟排類連接器.....	69~71
Cable slot connectors	卡槽類連接器.....	72~82
Socket type connectors	腳座類連接器.....	83~88
Rectangular I/O connectors	方型類連接器.....	89~98
Circular I/O connectors	圓型類連接器.....	99~107
Telecom I/O connectors	通訊介面連接器.....	108~116
Terminals/Terminal blocks	端子/端子台連接器.....	117~127
Custom made assemblies	客製品開發設計製造.....	128~130

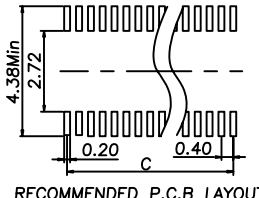
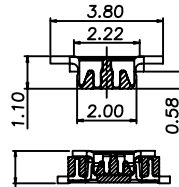
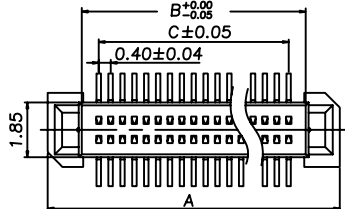
0.4mm Board to Board Connectors

NP04-P03X-xxx



Material:
Housing:High Temperature Plastic UL94V-0
Contacts:Phosphor Bronze.

Electrical Characteristics:
Current Rating:0.3 AMP.
Dielectric Withstanding Voltage:AC 100V For 1 minute
Insulator Resistance:100M OHM min. at DC100V
Contact Resistance:90m ohm max. at AC 1mA.
Operating Temperature:-25°C ~ +85°C.

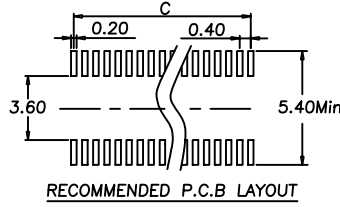
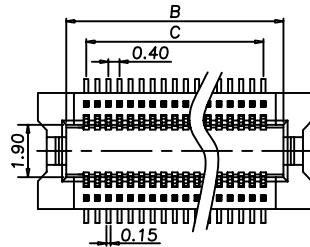


STACKED HEIGHT(1.5mm)

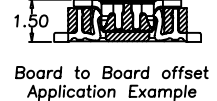
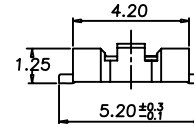
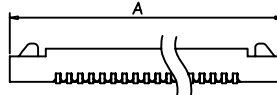
RECOMMENDED P.C.B LAYOUT

100	23.10	20.95	19.60
90	21.10	18.95	17.60
80	19.10	16.95	15.60
72	17.50	15.35	14.00
70	17.10	14.95	13.60
60	15.10	12.95	11.60
50	13.10	10.95	9.60
40	11.10	8.95	7.60
34	9.90	7.75	6.40
30	9.10	6.95	5.60
26	8.30	6.15	4.80
24	7.90	5.75	4.40
22	7.50	5.35	4.00
20	7.10	4.95	3.60
16	6.30	4.15	2.80
14	5.90	3.75	2.40
12	5.50	3.35	2.00
10	5.10	2.95	1.60
Position	A	B	C

NP04-S12X-xxx



Position	Dimension	10 Thru 100
A	0.40X No. of Positions	/2+3.10
B	0.40X No. of Positions	/2+0.95
C	0.40X No. of Positions	/2-0.40



0.5mm Board to Board Connectors

DF12-P28P-xxx



**Contact Dimension

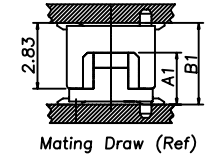
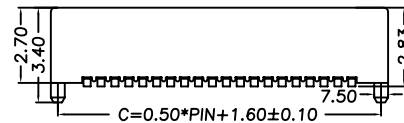
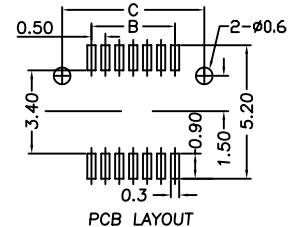
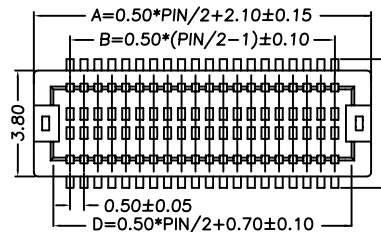
Contact	DIM. A	DIM. B	DIM. C	DIM. D
14	5.60	3.00	5.10	4.20
20	7.10	4.50	6.60	5.70
30	9.60	7.00	9.10	8.20
32	10.10	7.50	9.60	8.70
36	11.10	8.50	10.60	9.70
40	12.10	9.50	11.60	10.70
50	14.60	12.00	14.10	13.20
60	17.10	14.50	16.60	15.70

Female Height	Mating Height
Dim A1	Dim B1
2.23	3.50
2.73	4.00
4.23	5.50
4.73	6.00

Material and Plating
1.Housing : LCP (Natural Color)UL94V-0
2.Contact : Phosphor Bronz

Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max.
4. Insulation Resistance : 100M ohm. min.at 100V DC
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -20°C to +105°C



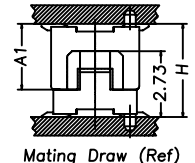
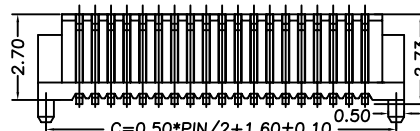
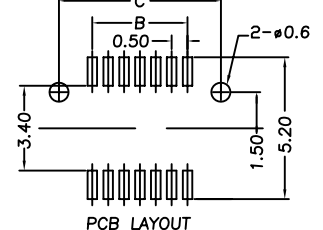
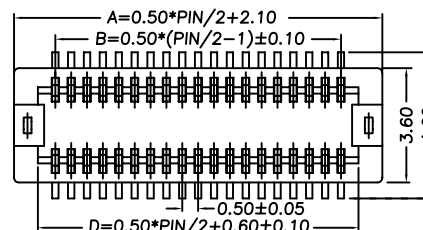
DF12-S12P-xxx



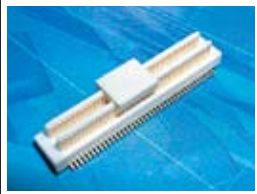
**Contact Dimension

Contact	DIM. A	DIM. B	DIM. C	DIM. D
14	5.60	3.00	5.10	4.10
20	7.10	4.50	6.60	5.60
30	9.60	7.00	9.10	8.10
32	10.10	7.50	9.60	8.60
36	11.10	8.50	10.60	9.60
40	12.10	9.50	11.60	10.60
50	14.60	12.00	14.10	13.10
60	17.10	14.50	16.60	15.60

Male Height	Mating Height
Dim A1	Dim H
2.83	4.00



NP05K-P20PC-xxx

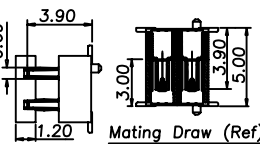
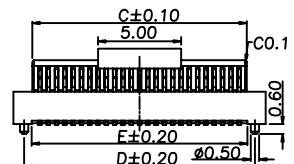
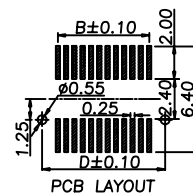
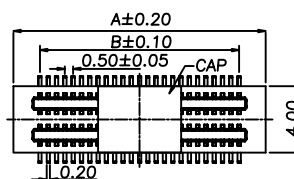


Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max.
4. Insulation Resistance : 100M ohm. min.at 100V DC
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -20°C to +105°C

Material and Plating

1. Housing : High Temp. Plastic (Nylon 46 UL94V-0)
 2. Contact : Phosphor Bronz
 3. Plating : Gold Plated
- Package:800pcs/Reel



Socket Height Dim	Mating Height Dim H
3.00	5.00

Dimension:

Contact	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E	Contact	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E	Contact	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E
10	5.20	2.00	2.92	3.90	3.20	28	9.70	6.50	7.42	8.40	7.70	46	14.20	11.00	11.92	12.90	12.20
12	5.70	2.50	3.42	4.40	3.70	30	10.20	7.00	7.92	8.90	8.20	48	14.70	11.50	12.42	13.40	12.70
14	6.20	3.00	3.92	4.90	4.20	32	10.70	7.50	8.42	9.40	8.70	50	15.20	12.00	12.92	13.90	13.20
16	6.70	3.50	4.42	5.40	4.70	34	11.20	8.00	8.92	9.90	9.20	60	17.70	14.50	15.42	16.40	15.70
18	7.20	4.00	4.92	5.90	5.20	36	11.70	8.50	9.42	10.40	9.70	70	20.20	16.50	17.95	18.90	18.20
20	7.70	4.50	5.42	6.40	5.70	38	12.20	9.00	9.92	10.90	10.20	80	22.70	19.50	20.42	21.40	20.70
22	8.20	5.00	5.92	6.90	6.20	40	12.70	9.50	10.42	11.40	10.70	90	25.20	22.00	22.92	23.90	23.20
24	8.70	5.50	6.42	7.40	6.70	42	13.20	10.00	10.92	11.90	11.20	100	27.70	24.50	25.42	26.40	25.70
26	9.20	6.00	6.92	7.90	7.20	44	13.70	10.50	11.42	12.40	11.70	120	32.70	29.50	30.42	31.40	30.70

NP05K-S30PC-xxx

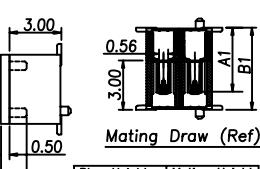
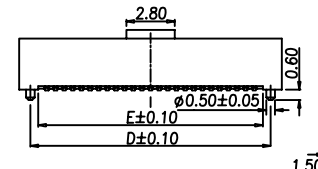
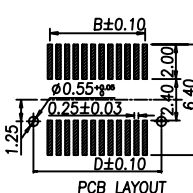
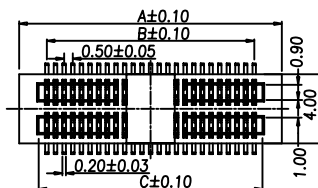


Material and Plating

1. Housing : High Temp. Plastic (Nylon 46 UL94V-0)
 2. Contact : Phosphor Bronz
 3. Plating : Gold Plated
- Package:1200pcs/Reel

Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 50V AC/DC
3. Contact Resistance : 30m ohm. max.
4. Insulation Resistance : 100M ohm. min.at 100V DC
5. Withstanding Voltage : 100V AC for one minute
6. Operating Temperature Range : -20°C to +105°C



Plug Height Dim A1	Mating Height Dim B1
3.90	5.00
4.40	5.50

Dimension:

Contact	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E	Contact	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E	Contact	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E
10	5.20	2.00	2.92	3.90	3.00	28	9.70	6.50	7.42	8.40	7.50	46	14.20	11.00	11.92	12.90	12.00
12	5.70	2.50	3.42	4.40	3.50	30	10.20	7.00	7.92	8.90	8.00	48	14.70	11.50	12.42	13.40	12.50
14	6.20	3.00	3.92	4.90	4.00	32	10.70	7.50	8.42	9.40	8.50	50	15.20	12.00	12.92	13.90	13.00
16	6.70	3.50	4.42	5.40	4.50	34	11.20	8.00	8.92	9.90	9.00	60	17.70	14.50	15.42	16.40	15.50
18	7.20	4.00	4.92	5.90	5.00	36	11.70	8.50	9.42	10.40	9.50	70	20.20	16.50	17.95	18.90	18.00
20	7.70	4.50	5.42	6.40	5.50	38	12.20	9.00	9.92	10.90	10.00	80	22.70	19.50	20.42	21.40	20.50
22	8.20	5.00	5.92	6.90	6.00	40	12.70	9.50	10.42	11.40	10.50	90	25.20	22.00	22.92	23.90	23.00
24	8.70	5.50	6.42	7.40	6.50	42	13.20	10.00	10.92	11.90	11.00	100	27.70	24.50	25.42	26.40	25.50
26	9.20	6.00	6.92	7.90	7.00	44	13.70	10.50	11.42	12.40	11.50	120	32.70	29.50	30.42	31.40	30.50

NP0519-P10X-xxx

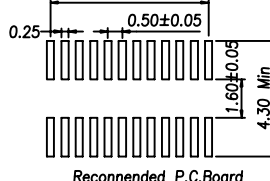
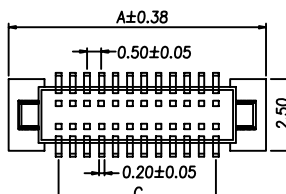


Specifications

1. Current Rating : 0.5A MAX
2. Dielectric withstanding Voltage : 150V (r.m.s) AC AT 0.5mA For 1 Minute
3. Contact Resistance : 30m ohm. max.
4. Insulation Resistance : 1000M Min AT 500V DC.
5. Operating Temperature Range : -40°C to +105°C

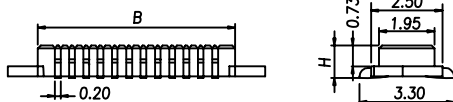
Material

1. Housing : High Temp. Plastic (UL94V-0)
2. Contact : Copper Alloy(t=0.2mm)
Plating Gold over Nickel



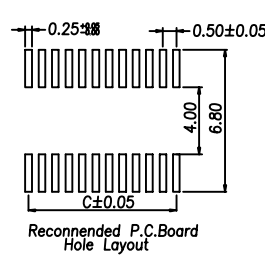
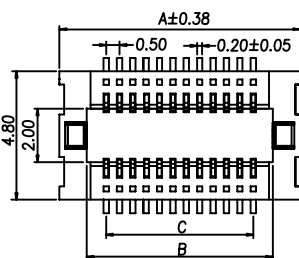
Recommened P.C.Board

Mated Height	H
1.5mm	Male 1.25 Female 1.35
2.0mm	Male 1.25 Female 1.35
2.5mm	Male 1.25 Female 1.35
3.0mm	Male 1.25 Female 1.35



Contact	Dimension	Contact	Dimension
	A B C		A B C
10	5.50 3.40 2.00	56	17.00 14.90 13.50
12	6.00 3.90 2.50	58	17.50 15.40 14.00
14	6.50 4.40 3.00	60	18.00 15.90 14.50
16	7.00 4.90 3.50	62	18.50 16.40 15.00
18	7.50 5.40 4.00	64	19.00 16.90 15.50
20	8.00 5.90 4.50	66	19.50 17.40 16.00
22	8.50 6.40 5.00	68	20.00 17.90 16.50
24	9.00 6.90 5.50	70	20.50 18.40 17.00
26	9.50 7.40 6.00	72	21.00 18.90 17.50
28	10.00 7.90 6.50	74	21.50 19.40 18.00
30	10.50 8.40 7.00	76	22.00 19.90 18.50
32	11.00 8.90 7.50	78	22.50 20.40 19.00
34	11.50 9.40 8.00	80	23.00 20.90 19.50
36	12.00 9.90 8.50	82	23.50 21.40 20.00
38	12.50 10.40 9.00	84	24.00 21.90 20.50
40	13.00 10.90 9.50	86	24.50 22.40 21.00
42	13.50 11.40 10.00	88	25.00 22.90 21.50
44	14.00 11.90 10.50	90	25.50 23.40 22.00
46	14.50 12.40 11.00	92	26.00 23.90 22.50
48	15.00 12.90 11.50	94	26.50 24.40 23.00
50	15.50 13.40 12.00	96	27.00 24.90 23.50
52	16.00 13.90 12.50	98	27.50 25.40 24.00
54	16.50 14.40 13.00	100	28.00 25.90 24.50

NP0519-S15X-xxx



Recommened P.C.Board Hole Layout

Mated Height	H
1.5mm	Male 1.25 Female 1.35
2.0mm	Male 1.25 Female 1.35
2.5mm	Male 1.25 Female 1.35
3.0mm	Male 1.25 Female 1.35

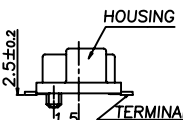
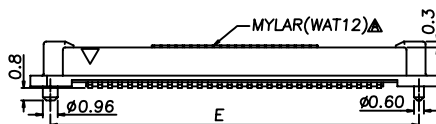
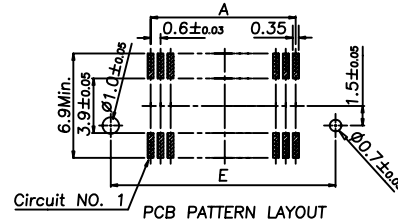
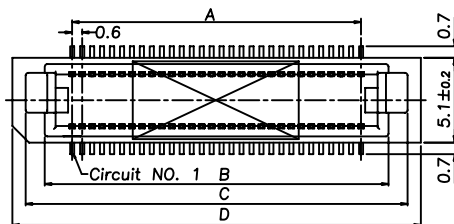
Contact	Dimension	Contact	Dimension
	A B C		A B C
10	5.50 3.40 2.00	56	17.00 14.90 13.50
12	6.00 3.90 2.50	58	17.50 15.40 14.00
14	6.50 4.40 3.00	60	18.00 15.90 14.50
16	7.00 4.90 3.50	62	18.50 16.40 15.00
18	7.50 5.40 4.00	64	19.00 16.90 15.50
20	8.00 5.90 4.50	66	19.50 17.40 16.00
22	8.50 6.40 5.00	68	20.00 17.90 16.50
24	9.00 6.90 5.50	70	20.50 18.40 17.00
26	9.50 7.40 6.00	72	21.00 18.90 17.50
28	10.00 7.90 6.50	74	21.50 19.40 18.00
30	10.50 8.40 7.00	76	22.00 19.90 18.50
32	11.00 8.90 7.50	78	22.50 20.40 19.00
34	11.50 9.40 8.00	80	23.00 20.90 19.50
36	12.00 9.90 8.50	82	23.50 21.40 20.00
38	12.50 10.40 9.00	84	24.00 21.90 20.50
40	13.00 10.90 9.50	86	24.50 22.40 21.00
42	13.50 11.40 10.00	88	25.00 22.90 21.50
44	14.00 11.90 10.50	90	25.50 23.40 22.00
46	14.50 12.40 11.00	92	26.00 23.90 22.50
48	15.00 12.90 11.50	94	26.50 24.40 23.00
50	15.50 13.40 12.00	96	27.00 24.90 23.50
52	16.00 13.90 12.50	98	27.50 25.40 24.00
54	16.50 14.40 13.00	100	28.00 25.90 24.50

0.6mm Board to Board Connectors

FX8-P09PC-xxx



Circuits	A	B	C	D	E
40	11.4	14.7	17.0	18.6	16.2
60	17.4	20.7	23.0	24.6	22.2
80	23.4	26.7	29.0	30.6	28.2
90	26.4	29.7	32.0	33.6	31.2
100	29.4	32.7	35.0	36.6	34.2
120	35.4	38.7	41.0	42.6	40.2
140	41.4	44.7	47.0	48.6	46.2
160	47.4	50.7	53.0	54.6	52.2



Mating Height
3.00

MATERIALS

- 1.Housing:P.P.S.(UL 94V-0),Belge
- 2.Terminal:Phosphor Bronze

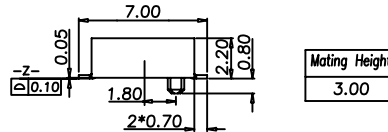
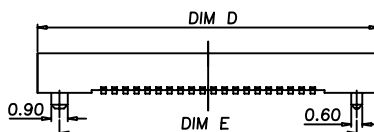
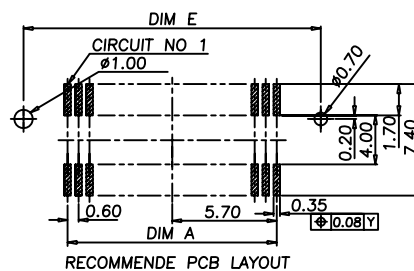
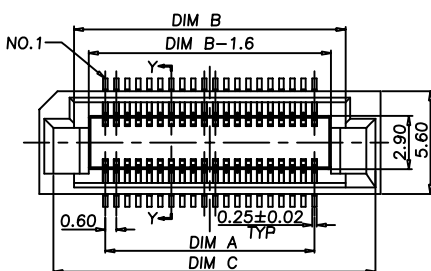
SPECIFICATION

- 1.Current Rating:0.4 A MAX.
- 2.Dielectric Withstanding Voltage:
300V AC R.M.S. for one minute.
- 3.Insulation Resistance:100M OHM Min AT 250V DC
- 4.Operating Temperature:-55C TO +85C

FX8-S21P-xxx



Circuits	A	B	C	D	E
40	11.4	14.8	17.05	18.6	16.2
60	17.4	20.8	23.05	24.6	22.2
80	23.4	26.8	29.05	30.6	28.2
90	26.4	29.8	32.05	33.6	31.2
100	29.4	32.8	35.05	36.6	34.2
120	35.4	38.8	41.05	42.6	40.2
140	41.4	44.8	47.05	48.6	46.2
160	47.4	50.8	53.05	54.6	52.2



Mating Height
3.00

MATERIALS

- 1.Housing:P.P.S.(UL 94V-0),Belge
- 2.Terminal:Phosphor Bronze

SPECIFICATION

- 1.Current Rating:0.4 A MAX.
- 2.Dielectric Withstanding Voltage:
300V AC R.M.S. for one minute.
- 3.Insulation Resistance:100M OHM Min AT 250V DC
- 4.Operating Temperature:-55C TO +85C

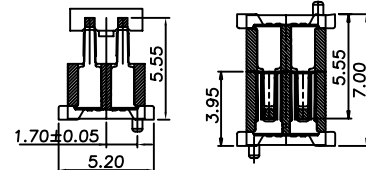
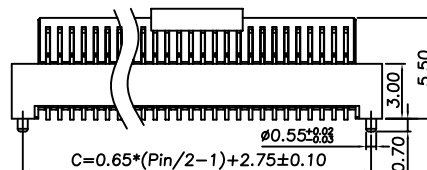
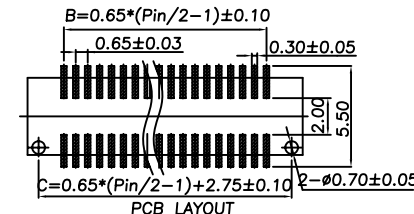
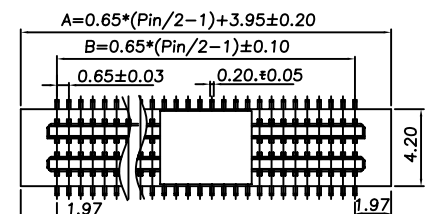
0.65mm Board to Board Connectors

NP065K-P30PC-xxx



**Contact Dimension

Contact	DIM. A	DIM. B	DIM. C
10	6.55	2.60	5.35
20	9.80	5.85	8.60
30	13.05	9.10	11.85
40	16.30	12.35	15.10
50	19.55	15.60	18.35
52	20.20	16.25	19.00



Mating Height Draw

Specifications

1. Current Rating : 0.5A AC/DC
2. Voltage Rating : 60V AC/DC
3. Contact Resistance : 80m ohm. max.
4. Insulation Resistance : 1000M ohm. min.at 100V DC
5. Withstanding Voltage : 150V AC for one minute
6. Operating Temperature Range : -55°C to +85°C

Material and Plating

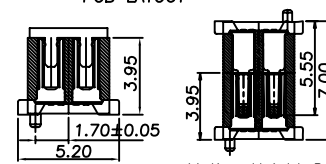
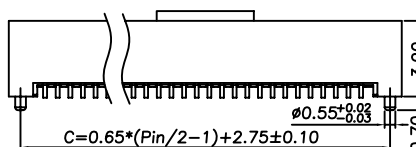
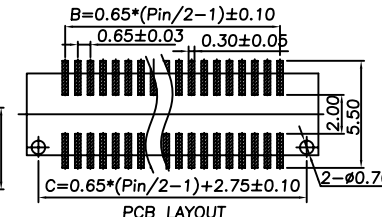
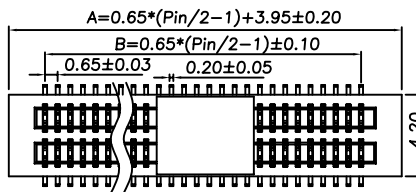
- 1.Housing : High Temp Platic UL94V-0
- 2.Contact : Phosphor Bronze
- 3.Plating :Gold Plating

NP065K-S39PC-xxx



**Contact Dimension

Contact	DIM. A	DIM. B	DIM. C
10	6.55	2.60	5.35
20	9.80	5.85	8.60
30	13.05	9.10	11.85
40	16.30	12.35	15.10
50	19.55	15.60	18.35
52	20.20	16.25	19.00



Mating Height Draw

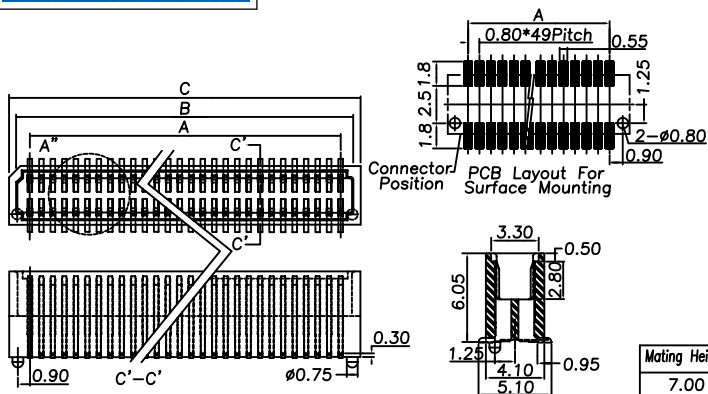
0.8mm Board to Board Connectors

NP08-P605P-xxx



MATERIALS
1.Housing:Htn/Nylon 6T(UL 94V-0)
2.Contact:Phosphor Bronze

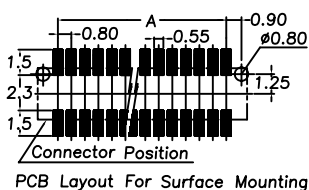
SPECIFICATION
1.Voltage:50V
2.Current:0.5A
3.Contact Resistance:40m ohm mix.
4.Dielectric Withstanding Voltage:500V AC/1 min.
5.Insulation Resistance:100M OHM Min
6.Operating Temperature:-20C TO +105C



PART NO.	Dimension		
	A	B	C
NP08-P605P-010	3.20	4.80	6.00
NP08-P605P-012	4.00	5.60	6.80
NP08-P605P-014	4.80	6.40	7.60
NP08-P605P-016	5.60	7.20	8.40
NP08-P605P-018	6.40	8.00	9.20
NP08-P605P-020	7.20	8.80	10.00
NP08-P605P-022	8.00	9.60	10.80
NP08-P605P-024	8.80	10.40	11.60
NP08-P605P-026	9.60	11.20	12.40
NP08-P605P-028	10.40	12.00	13.20
NP08-P605P-030	11.20	12.80	14.00
NP08-P605P-032	12.00	13.60	14.80
NP08-P605P-034	12.80	14.40	15.60
NP08-P605P-036	13.60	15.20	16.40
NP08-P605P-038	14.40	16.00	17.20
NP08-P605P-040	15.20	16.80	18.00
NP08-P605P-042	16.00	17.60	18.80
NP08-P605P-044	16.80	18.40	19.60
NP08-P605P-046	17.60	19.20	20.40
NP08-P605P-048	18.40	20.00	21.20
NP08-P605P-050	19.20	20.80	22.00
NP08-P605P-052	20.00	21.60	22.80
NP08-P605P-054	20.80	22.40	23.60

PART NO.	Dimension		
	A	B	C
NP08-P605P-056	21.60	23.20	24.40
NP08-P605P-058	22.40	24.00	25.20
NP08-P605P-060	23.20	24.80	26.00
NP08-P605P-062	24.00	25.60	26.80
NP08-P605P-064	24.80	26.40	27.60
NP08-P605P-066	25.60	27.20	28.40
NP08-P605P-068	26.40	28.00	29.20
NP08-P605P-070	27.20	28.80	30.00
NP08-P605P-072	28.00	29.60	30.80
NP08-P605P-074	28.80	30.40	31.60
NP08-P605P-076	29.60	31.20	32.40
NP08-P605P-078	30.40	32.00	33.20
NP08-P605P-080	31.20	32.80	34.00
NP08-P605P-082	32.00	33.60	34.80
NP08-P605P-084	32.80	34.40	35.60
NP08-P605P-086	33.60	35.20	36.40
NP08-P605P-088	34.40	36.00	37.20
NP08-P605P-090	35.20	36.80	38.00
NP08-P605P-092	36.00	37.60	38.80
NP08-P605P-094	36.80	38.40	39.60
NP08-P605P-096	37.60	39.20	40.40
NP08-P605P-098	38.40	40.00	41.20
NP08-P605P-100	39.20	40.80	42.00

NP08-S090P-xxx



PART NO.	Dimension		
	A	B	C
NP08-S090P-010	3.20	4.80	5.70
NP08-S090P-012	4.00	5.60	6.50
NP08-S090P-014	4.80	6.40	7.30
NP08-S090P-016	5.60	7.20	8.10
NP08-S090P-018	6.40	8.00	8.90
NP08-S090P-020	7.20	8.80	9.70
NP08-S090P-022	8.00	9.60	10.50
NP08-S090P-024	8.80	10.40	11.30
NP08-S090P-026	9.60	11.20	12.10
NP08-S090P-028	10.40	12.00	12.90
NP08-S090P-030	11.20	12.80	13.70
NP08-S090P-032	12.00	13.60	14.50
NP08-S090P-034	12.80	14.40	15.30
NP08-S090P-036	13.60	15.20	16.10
NP08-S090P-038	14.40	16.00	16.90
NP08-S090P-040	15.20	16.80	17.70
NP08-S090P-042	16.00	17.60	18.50
NP08-S090P-044	16.80	18.40	19.30
NP08-S090P-046	17.60	19.20	20.10
NP08-S090P-048	18.40	20.00	20.90
NP08-S090P-050	19.20	20.80	21.70
NP08-S090P-052	20.00	21.60	22.50
NP08-S090P-054	20.80	22.40	23.30

PART NO.	Dimension		
	A	B	C
NP08-S090P-056	21.60	23.20	24.10
NP08-S090P-058	22.40	24.00	24.90
NP08-S090P-060	23.20	24.80	25.70
NP08-S090P-062	24.00	25.60	26.50
NP08-S090P-064	24.80	26.40	27.30
NP08-S090P-066	25.60	27.20	28.10
NP08-S090P-068	26.40	28.00	28.90
NP08-S090P-070	27.20	28.80	29.70
NP08-S090P-072	28.00	29.60	30.50
NP08-S090P-074	28.80	30.40	31.30
NP08-S090P-076	29.60	31.20	32.10
NP08-S090P-078	30.40	32.00	32.90
NP08-S090P-080	31.20	32.80	33.70
NP08-S090P-082	32.00	33.60	34.50
NP08-S090P-084	32.80	34.40	35.30
NP08-S090P-086	33.60	35.20	36.10
NP08-S090P-088	34.40	36.00	36.90
NP08-S090P-090	35.20	36.80	37.70
NP08-S090P-092	36.00	37.60	38.50
NP08-S090P-094	36.80	38.40	39.30
NP08-S090P-096	37.60	39.20	40.10
NP08-S090P-098	38.40	40.00	40.90
NP08-S090P-100	39.20	40.80	41.70

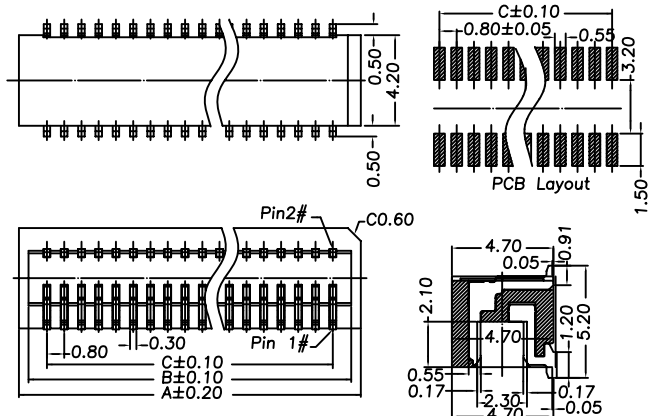
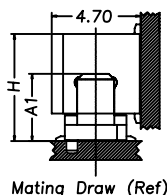
NP08G-PW420-xxx



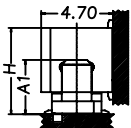
Contacts Dimensions								
Position	A	B	C	Position	A	B	C	
10	5.80	4.90	3.20	32	14.60	13.70	12.00	
12	6.60	5.70	4.00	34	15.40	14.50	12.80	
14	7.40	6.50	4.80	36	16.20	15.30	13.60	
16	8.20	7.30	5.60	38	17.00	16.10	14.40	
18	9.00	8.10	6.40	40	17.80	16.90	15.20	
20	9.80	8.90	7.20	50	21.80	20.90	19.20	
22	10.60	9.70	8.00	60	25.80	24.90	23.20	
24	11.40	10.50	8.80	68	29.00	28.10	26.40	
26	12.20	11.30	9.60	70	29.80	28.90	27.20	
28	13.00	12.10	10.40	80	33.80	32.90	31.20	
30	13.80	12.90	11.20	90	37.80	36.90	35.20	
				100	41.80	40.90	39.20	

Materials
Housing:Hi-Temp.Plastic
(UL 94V-0)
Contact :Copper Alloy
Plating:Gold Plating

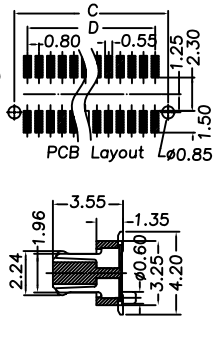
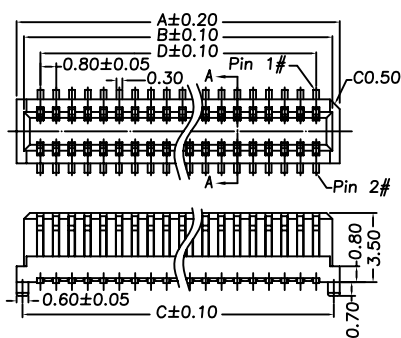
Specifications
Current Rating:0.5Amp .max.
Insulation Resistance:100Mohm min At 250V DC
Dielectric withstanding voltage:500V(r.m.s)
AC at 0.5mA for one minute
Contact Resistance:20mohm max
Temperature Range:-40°C to 105°C



NP08G-SV145-xxx



Mating Draw (Ref)



Contacts Dimensions

Position	A	B	C	D	Position	A	B	C	D
10	5.60	4.85	5.00	3.20	32	14.40	13.65	13.80	12.00
12	6.40	5.65	5.80	4.00	34	15.20	14.45	14.60	12.80
14	7.20	6.45	6.60	4.80	36	16.00	15.25	15.40	13.60
16	8.00	7.25	7.40	5.60	38	17.80	16.05	16.20	14.40
18	8.80	8.05	8.20	6.40	40	17.60	16.85	17.00	15.20
20	9.60	8.85	9.00	7.20	50	21.60	20.85	21.00	19.20
22	10.40	9.65	9.80	8.00	60	25.60	24.85	25.00	23.20
24	11.20	10.45	10.60	8.80	68	28.80	28.05	28.20	26.40
26	12.00	11.25	11.40	9.60	70	29.60	28.85	29.00	27.20
28	12.80	12.05	12.20	10.40	80	33.60	32.85	33.00	31.20
30	13.60	12.85	13.00	11.20	90	37.60	36.85	37.00	35.20
					100	41.60	40.85	41.00	39.20

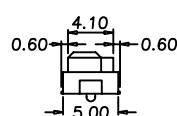
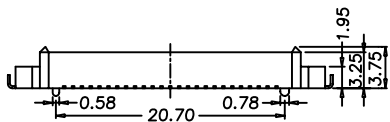
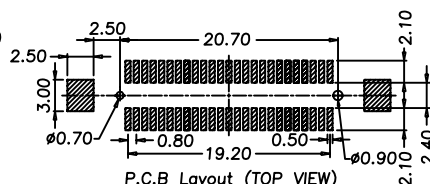
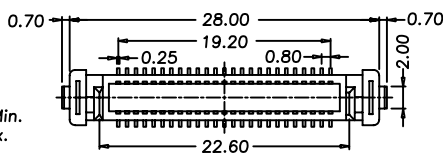
Male Height Dim A1	Mating Height Dim H
3.55	5.65
4.05	6.15

JKX-P21-050



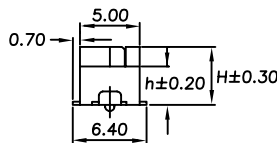
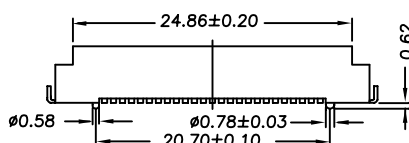
Specification
Insulator Resistance: 100M OHM Min.
Contact Resistance: 70m ohm Max.
Temperature: -40°C TO +85°C

MATERIALS
Insulator: High Temperature Thermoplastic
UL 94V-0 Glass Filled
Contact: Phosphor Bronze
Contact Plated: Gold Over Nickel

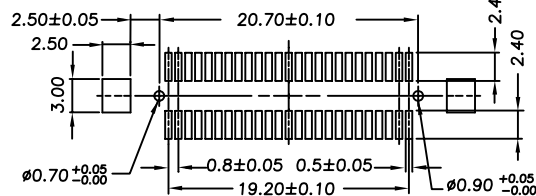
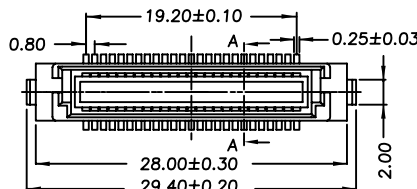


Mating Height
5.00

JKX-S30-050

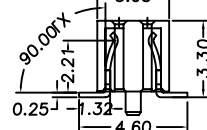
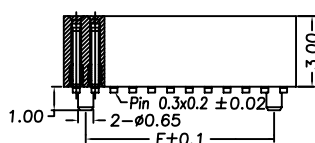
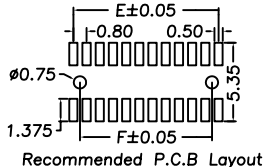
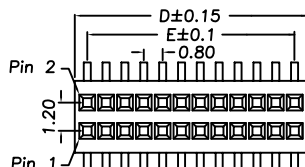


Stacking Height Code	h	H
JKX-S26-050	2.60	4.20
JKX-S33-050	3.30	4.90
JKX-S49-050	4.95	6.55



Mating Height
5.00

F8-V33PC-2Xxx



Mating Height
4.60

POLES	DIM D	DIM E	DIM F	POLES	DIM D	DIM E	DIM F
3	2.66	1.60	0.80	27	21.86	20.80	20.00
4	3.46	2.40	1.60	28	22.66	21.60	20.80
5	4.26	3.20	2.40	29	23.46	22.40	21.60
6	5.06	4.00	3.20	30	24.26	23.20	22.40
7	5.86	4.80	4.00	31	25.06	24.00	23.20
8	6.66	5.60	4.80	32	25.86	24.80	24.00
9	7.46	6.40	5.60	33	26.66	25.60	24.80
10	8.26	7.20	6.40	34	27.46	26.40	25.60
11	9.06	8.00	7.20	35	28.26	27.20	26.40
12	9.86	8.80	8.00	36	29.06	28.00	27.20
13	10.66	9.60	8.80	37	29.86	28.80	28.00
14	11.46	10.40	9.60	38	30.66	29.60	28.80
15	12.26	11.20	10.40	39	31.46	30.40	29.60
16	13.06	12.00	11.20	40	32.26	31.20	30.40
17	13.86	12.80	12.00	41	33.06	32.00	31.20
18	14.66	13.60	12.80	42	33.86	32.80	32.00
19	15.46	14.40	13.60	43	34.66	33.60	32.80
20	16.26	15.20	14.40	44	35.46	34.40	33.60
21	17.06	16.00	15.20	45	36.26	35.20	34.40
22	17.86	16.80	16.00	46	37.06	36.00	35.20
23	18.66	17.60	16.80	47	37.86	36.80	36.00
24	19.46	18.40	17.60	48	38.66	37.60	36.80
25	20.26	19.20	18.40	49	39.46	38.40	37.60
26	21.06	20.00	19.20	50	40.26	39.20	38.40

POLES	DIM E	DIM F	POLES	DIM E	DIM F	POLES	DIM E	DIM F
3	1.60	0.80	19	14.40	13.60	35	27.20	26.40
4	2.40	1.60	20	15.20	14.40	36	28.00	27.20
5	3.20	2.40	21	16.00	15.20	37	28.80	28.00
6	4.00	3.20	22	16.80	16.00	38	29.60	28.80
7	4.80	4.00	23	17.60	16.80	39	30.40	29.60
8	5.60	4.80	24	18.40	17.60	40	31.20	30.40
9	6.40	5.60	25	19.20	18.40	41	32.00	31.20
10	7.20	6.40	26	20.00	19.20	42	32.80	32.00
11	8.00	7.20	27	20.80	20.00	43	33.60	32.80
12	8.80	8.00	28	21.60	20.80	44	34.40	33.60
13	9.60	8.80	29	22.40	21.60	45	35.20	34.40
14	10.40	9.60	30	23.20	22.40	46	36.00	35.20
15	11.20	10.40	31	24.00	23.20	47	36.80	36.00
16	12.00	11.20	32	24.80	24.00	48	37.60	36.80
17	12.80	12.00	33	25.60	24.80	49	38.40	37.60
18	13.60	12.80	34	26.40	25.60	50	39.20	38.40

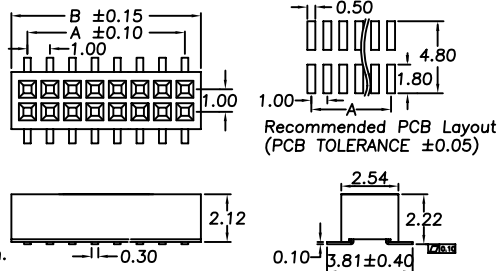
No. of Contacts	DIMENSIONS		No. of Contacts	DIMENSIONS	
	A	B		A	B
6	2.00	3.00	54	26.00	27.00
8	3.00	4.00	56	27.00	28.00
10	4.00	5.00	58	28.00	29.00
12	5.00	6.00	60	29.00	30.00
14	6.00	7.00	62	30.00	31.00
16	7.00	8.00	64	31.00	32.00
18	8.00	9.00	66	32.00	33.00
20	9.00	10.00	68	33.00	34.00
22	10.00	11.00	70	34.00	35.00
24	11.00	12.00	72	35.00	36.00
26	12.00	13.00	74	36.00	37.00
28	13.00	14.00	76	37.00	38.00
30	14.00	15.00	78	38.00	39.00
32	15.00	16.00	80	39.00	40.00
34	16.00	17.00	82	40.00	41.00
36	17.00	18.00	84	41.00	42.00
38	18.00	19.00	86	42.00	43.00
40	19.00	20.00	88	43.00	44.00
42	20.00	21.00	90	44.00	45.00
44	21.00	22.00	92	45.00	46.00
46	22.00	23.00	94	46.00	47.00
48	23.00	24.00	96	47.00	48.00
50	24.00	25.00	98	48.00	49.00
52	25.00	26.00	100	49.00	50.00

F10-V22X-2Xxx



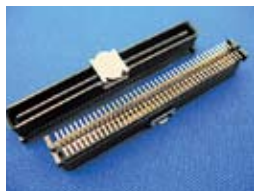
SPECIFICATIONS

Current Rating: 1 Amp
Insulator resistance: 5000 Megohms min.
Dielectric withstanding: AC 500 V
Operating Temperature: -40 C ~ 105 C
Contact Material: Phosphor Bronze.
Thermoplastic, UL 94V-0 (L.C.P)
Color: Black



No. of Contacts	DIMENSIONS		No. of Contacts	DIMENSIONS		No. of Contacts	DIMENSIONS	
	A	B		A	B		A	B
8	3.00	4.43	40	19.00	20.43	72	35.00	36.43
10	4.00	5.43	42	20.00	21.43	74	36.00	37.43
12	5.00	6.43	44	21.00	22.43	76	37.00	38.43
14	6.00	7.43	46	22.00	23.43	78	38.00	39.43
16	7.00	8.43	48	23.00	24.43	80	39.00	40.43
18	8.00	9.43	50	24.00	25.43	82	40.00	41.43
20	9.00	10.43	52	25.00	26.43	84	41.00	42.43
22	10.00	11.43	54	26.00	27.43	86	42.00	43.43
24	11.00	12.43	56	27.00	28.43	88	43.00	44.43
26	12.00	13.43	58	28.00	29.43	90	44.00	45.43
28	13.00	14.43	60	29.00	30.43	92	45.00	46.43
30	14.00	15.43	62	30.00	31.43	94	46.00	47.43
32	15.00	16.43	64	31.00	32.43	96	47.00	48.43
34	16.00	17.43	66	32.00	33.43	98	48.00	49.43
36	17.00	18.43	68	33.00	34.43	100	49.00	50.43
38	18.00	19.43	70	34.00	35.43			

NP10-PxxxPC-xxx

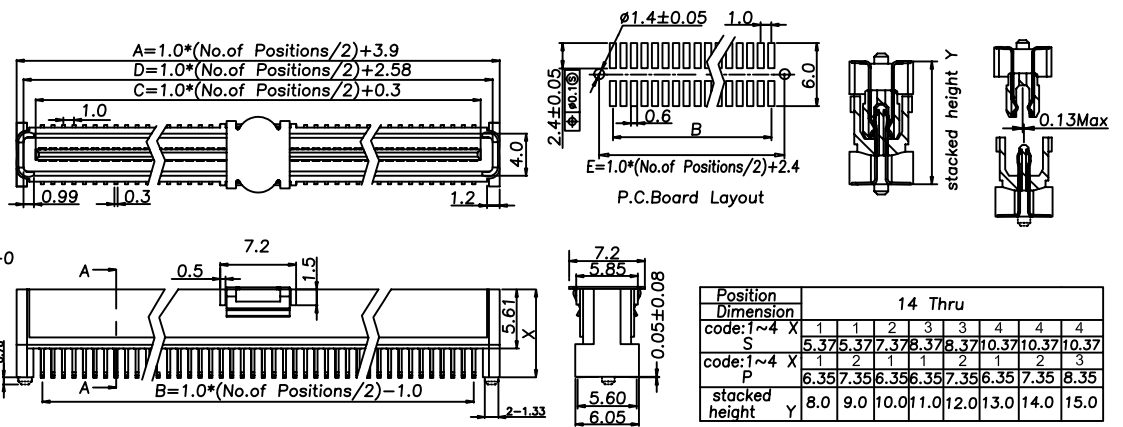


Material and Plating

1. Housing : High Temp Plastic UL94V-0
2. Contact : Phosphor Bronze
3. Plating: Metal.

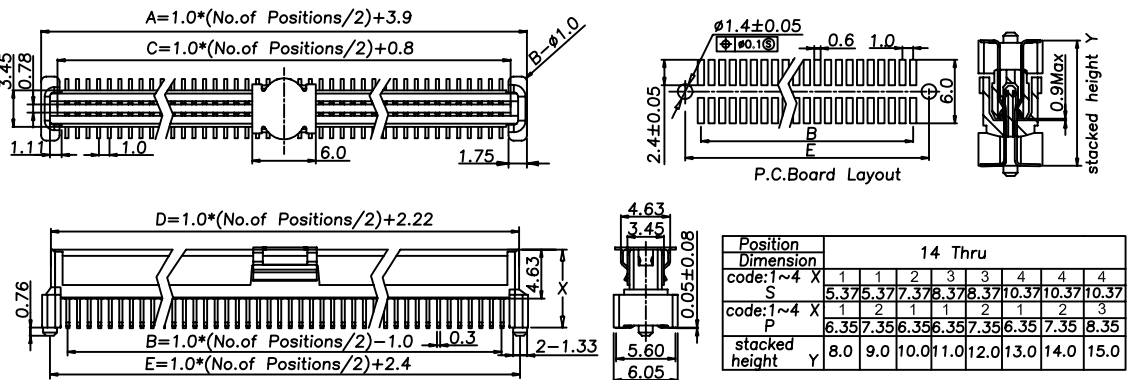
Specifications

1. Current Rating : 0.5AMP.
2. Voltage Rating : 60V AC/DC
3. Withstanding Voltage : 500V AC for 1 minute.
4. Operating Temperature Range : -40°C to +105°C



Position Dimension	14 Thru													
code: 1~4 X	1	1	2	3	3	4	4	4	4					
S	5.37	5.37	7.37	8.37	8.37	10.37	10.37	10.37	10.37					
code: 1~4 X	1	2	1	1	2	1	2	3						
P	6.35	7.35	6.35	6.35	7.35	6.35	7.35	8.35						
stacked height Y	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0						

NP10-SxxxPC-xxx

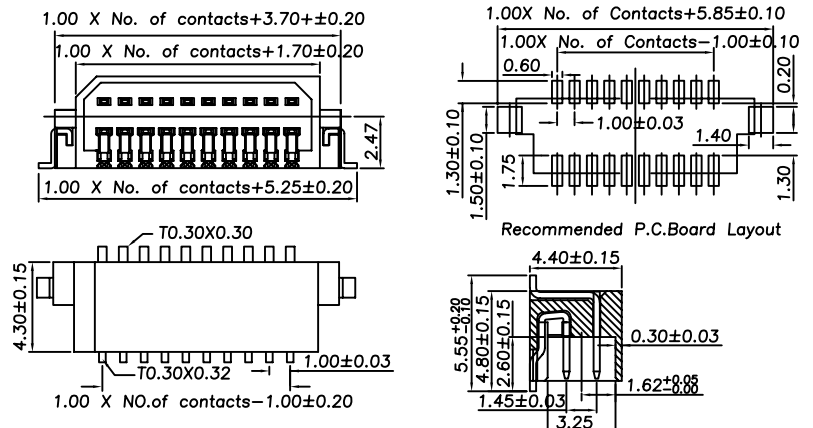


Position Dimension	14 Thru													
code: 1~4 X	1	1	2	3	3	4	4	4	4					
S	5.37	5.37	7.37	8.37	8.37	10.37	10.37	10.37	10.37					
code: 1~4 X	1	2	1	1	2	1	2	3						
P	6.35	7.35	6.35	6.35	7.35	6.35	7.35	8.35						
stacked height Y	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0						

NP1014-PW-xx



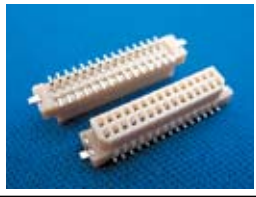
No. of Pins per Row 05~15



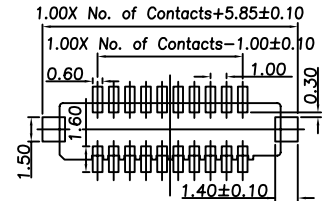
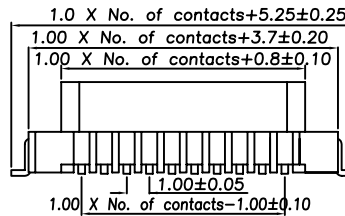
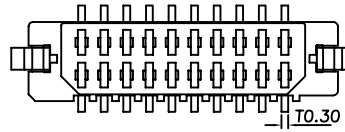
NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL RADII USES
2. MATERIAL: NYLON 6T, 30% GLASS FIBER FILLED, UL94V-0 RATED, NATURAL COLOR.
3. BURR: 0.08mm (MAX.)
4. WARPAGE: 0.25mm (MAX.)
5. PART SHOULD BE FREE OF VOIDS, SINKS, AND SHORTS.
6. LOGO, MARKING, AND CAVITY NO. SHOULD BE CLEAR, AND THEIR HEIGHT SHOULD BE LOWER THAN THE SURFACE.

NP1014-SV-xx



No. of Pins per Row 05~15



Recommended P.C. Board Layout

NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL RADII
2. MATERIAL: NYLON 6T, 30% GLASS FIBER FILLED, UL94V-0 RATED, NATURAL COLOR.
3. BURR: 0.08mm (MAX.)
4. WARPAGE: 0.25mm (MAX.)
5. PART SHOULD BE FREE OF VOIDS, SINKS, AND SHORTS.
6. LOGO, MARKING, AND CAVITY NO. SHOULD BE CLEAR, AND THEIR HEIGHT SHOULD BE LOWER THAN THE SURFACE.

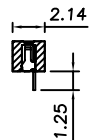
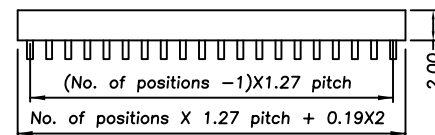
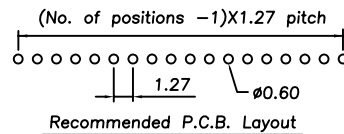
1.27X1.27mm Board to Board Connectors

YA-D20-1Xxx



SPECIFICATIONS

- * Contact Material: Phosphor bronze
- * Housing: L.C.P (UL 94 V-0)
- * Current Rating : 1 Amps
- * Insulator resistance: 5000 Megohms min.
- * Dielectric withstanding: AC 500 V
- * Operating Temperature: -40°~+105°C
- * Max Processing Temp: 230° for 30~60 seconds (260° for 10 seconds)

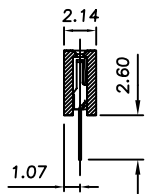
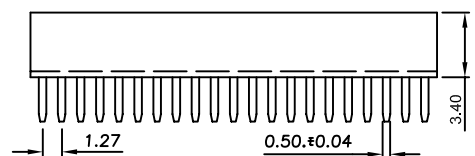
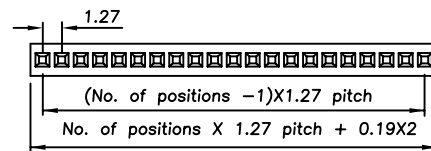
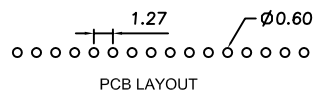


YA-D34-1Xxx

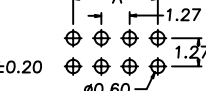
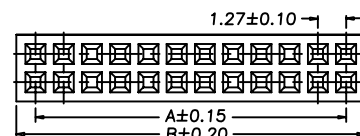


SPECIFICATIONS

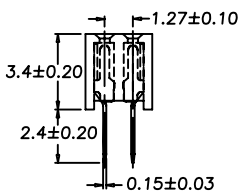
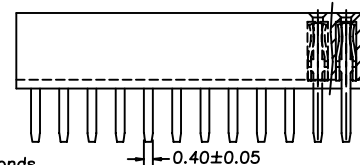
- * Current Rating : 1 Amps
- * Insulator resistance: 5000 Megohms min.
- * Dielectric withstanding: AC 500 V
- * Operating Temperature: -40°~+105°C
- * Max Processing Temp: 230° for 30~60 seconds (260° for 10 seconds)
- * Contact Material: Phosphor bronze
- * Housing: L.C.P (UL 94 V-0)



YA-D34-2Xxx



Recommended PCB Layout

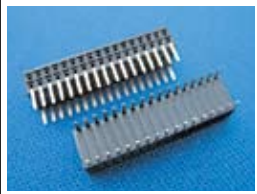


SPECIFICATIONS

- * Current Rating : 1 Amps
- * Insulator resistance: 5000 Megohms min.
- * Dielectric withstanding: AC 500 V
- * Operating Temperature: -40°~+105°C
- * Max Processing Temp: 230° for 30~60 seconds (260° for 10 seconds)
- * Contact Material: Phosphor bronze
- * Housing: L.C.P (UL 94 V-0)

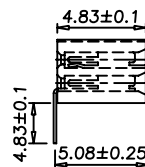
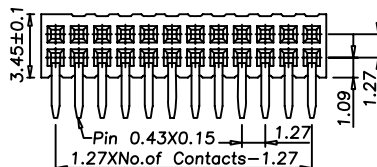
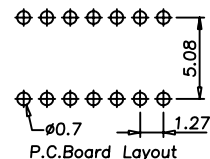
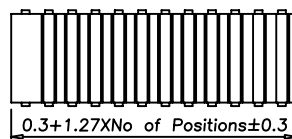
No. of Contacts	DIMENSIONS		No. of Contacts	DIMENSIONS	
	A	B		A	B
4	1.27	3.00	54	33.02	34.75
6	2.54	4.27	56	34.29	36.02
8	3.81	5.54	58	35.56	37.29
10	5.08	6.81	60	36.83	38.56
12	6.35	8.08	62	38.10	39.83
14	7.62	9.35	64	39.37	41.10
16	8.89	10.62	66	40.64	42.37
18	10.16	11.89	68	41.91	43.64
20	11.43	13.16	70	43.18	44.91
22	12.70	14.43	72	44.45	46.18
24	13.97	15.70	74	45.72	47.45
26	15.24	16.97	76	46.99	48.72
28	16.51	18.24	78	48.26	49.99
30	17.78	19.51	80	49.53	51.26
32	19.05	20.78	82	50.80	52.53
34	20.32	22.05	84	52.07	53.80
36	21.59	23.32	86	53.34	55.07
38	22.86	24.59	88	54.61	56.34
40	24.13	25.86	90	55.88	57.61
42	25.40	27.13	92	57.15	58.88
44	26.67	28.40	94	58.42	60.15
46	27.94	29.67	96	59.69	61.42
48	29.21	30.94	98	60.96	62.69
50	30.48	32.21	100	62.23	63.96
52	31.75	33.48			

YA-S-2Xxx



Specifications

Current Rating: 1Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: AC 500V
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
NYLON-6T

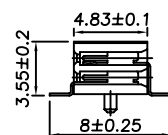
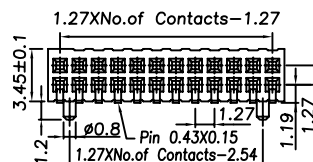
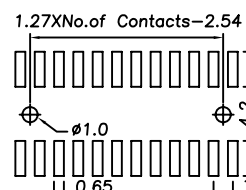
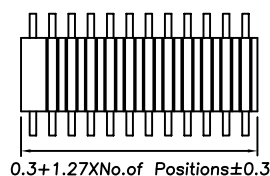


YA-MX-2Xxx



Specifications

Current Rating : 1 Amps
Insulator Resistance : 1000 Megohms min.
Contact Resistance : 20 m ohms max.
Dielectric Withstanding : AC 500V
Operating Temperature : -40°C ~ +105°C
Max. Processing Temp. : 230°C for 30~60 Seconds
(260°C for Seconds)
Contact Material : Phosphor Bronze
Insulator Material : Polyester, UL 94V-0
Standard : Nylon-6T
Contact Plated : Full Gold, Full Tin, Selective Plated

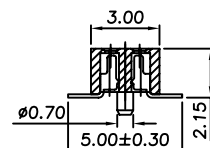
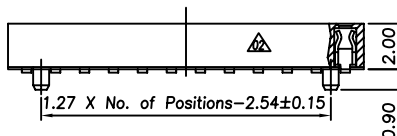
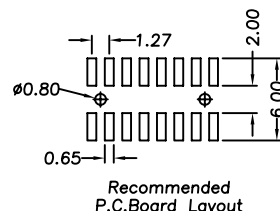
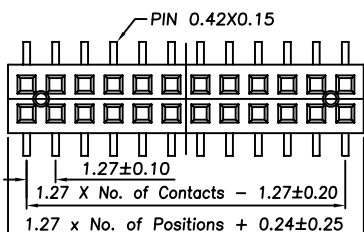


YA-V22P-2Xxx



Specifications

Current Rating: 1Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 300V AC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0

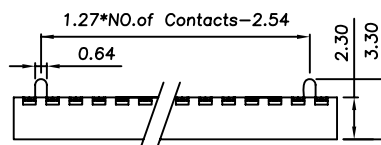
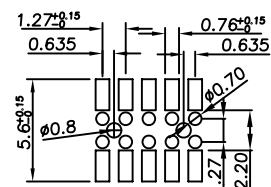
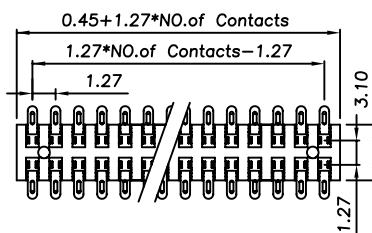


YA-Z23P-2Xxx

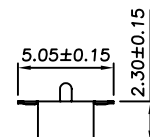


MATERIALS:
INSULATOR: NYLON-6T, UL94V-0
COLOUR-BLACK
CONTACTS: BRASS, GOLD FLASH
OVER NICKEL PLATED CONTACT AREAS,
TIN PLATED SOLDER TAILS.

ELECTRICAL:
CURRENT RATING: 1AMP.
INSULATION RESISTANCE: 30 MILLIONHMS MAX.
DIELECTRIC WITHSTANDING: 500VAC
OPERATING TEMPERATURE: -40°C ~ +105°C
MAX. PROCESING TEMPERATURE: 230°F FOR 30/60 SEC.
260°F FOR 10 SEC.



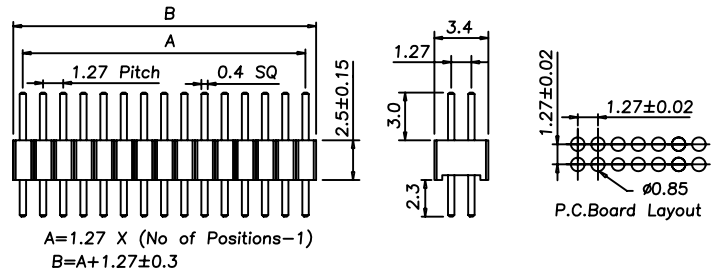
Recommended P.C. Board SMD Layout



PA-D25-2Xxx



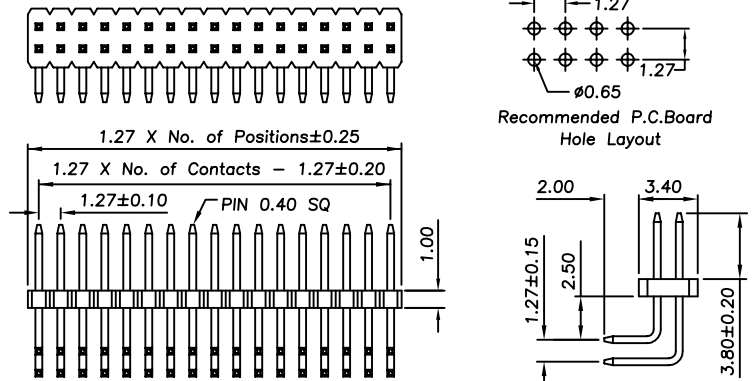
Contract:
Contact: Brass.
Insulator: Nylon 6T.
Finish: Gold flash plated over nickel.



PA-R10-2Xxx



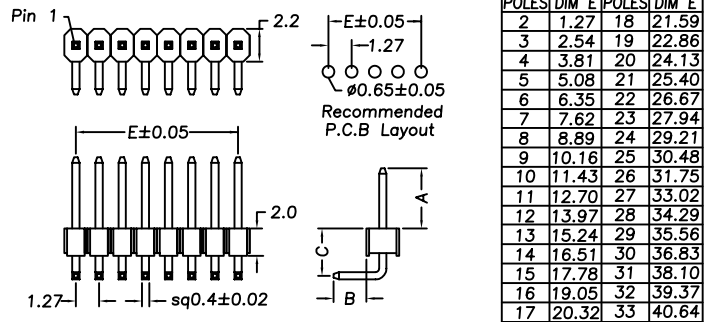
Specifications
Current Rating: 1Amp
Insulation Resistance: 1000M OHM Min.
Dielectric Withstanding: 300V AC/DC
Contact Resistance: 20m ohm Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Copper Alloy
Insulation Material: Polyester, UL 94V-0
Nylon 6T



PA-R20-1Xxx



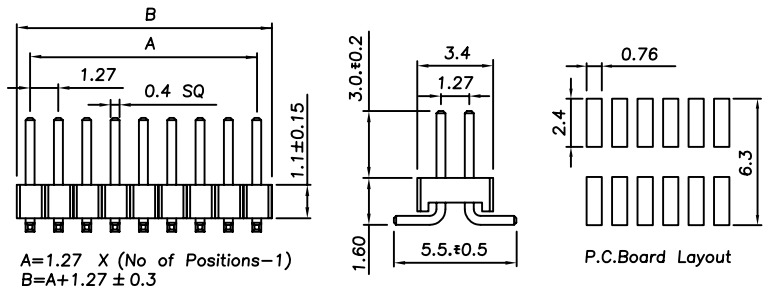
Specifications
Current Rating: 1Amp
Insulation Resistance: 1000M OHM Min.
Dielectric Withstanding: 300V AC/DC
Contact Resistance: 20m ohm Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Copper Alloy
Insulation Material: Polyester, UL 94V-0
Nylon 6T



PA-V16X-2Xxx



Specifications
Current Rating: 1Amp
Insulation Resistance: 1000M OHM Min.
Dielectric Withstanding: 300V AC/DC
Contact Resistance: 20m ohm Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Copper Alloy
Insulation Material: Polyester, UL 94V-0
Nylon 6T

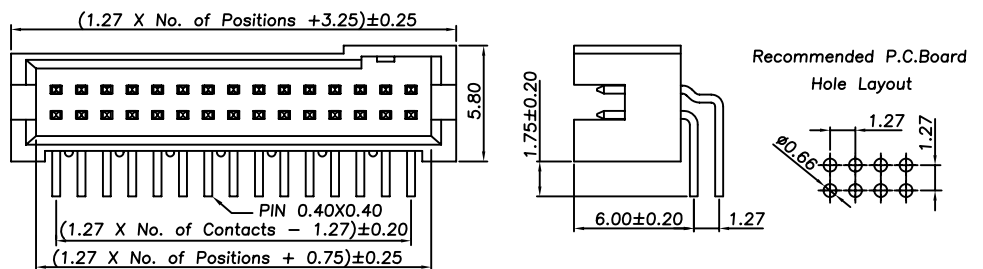


PAB-R-2Xxx



Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T(Processing temp.260°C,10sec)
Specifications
Current Rating: 1Amp
Insulation Resistance: 1000M OHM Min.

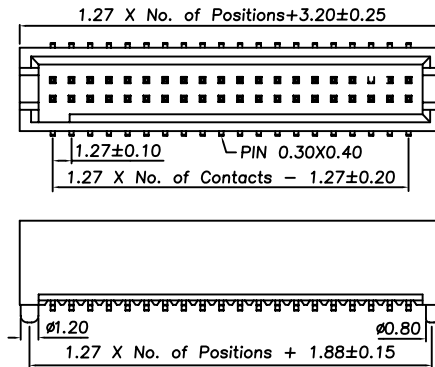
Dielectric Withstanding: 300V AC
Contact Resistance: 20m ohm Max.
Operating Temperature: -40°C to +105°C



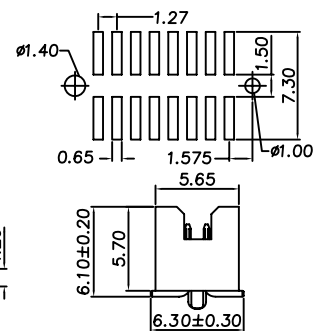
PAB-V16P-2Xxx



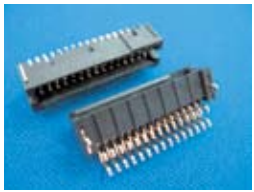
Specifications
Current Rating: 1Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 300V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Copper Alloy
Insulation Material: Polyester, UL 94V-0
Nylon 6T



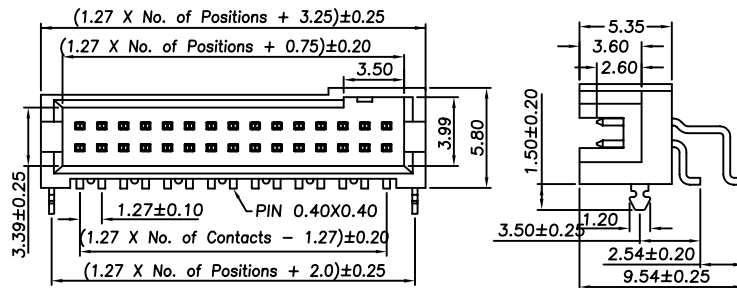
Recommended P.C.Board Layout



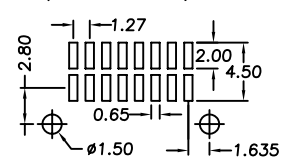
PAB-WZ-2Xxx



Specifications
Current Rating: 1Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 300V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Copper Alloy
Insulation Material: Polyester, UL 94V-0
Nylon 6T



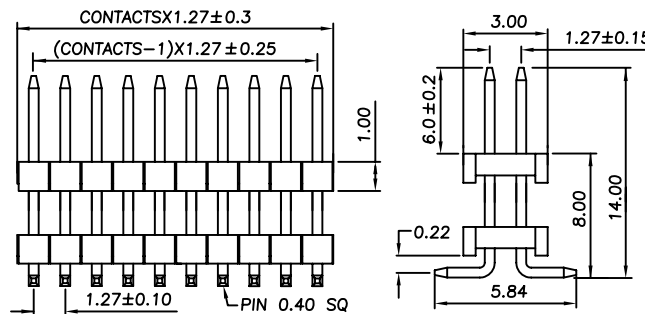
RECOMMENDED P.C.BOARD LAYOUT
(Tolerance: ± 0.05)



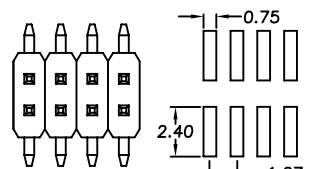
PAS-V080X60-2Xxx



Specifications
Current Rating: 1Amp
Insulation Resistance: 5000Mega ohms Min.
Dielectric Withstanding: 600 VAC min
Contact Resistance: 30mΩ Max.
Operating Temperature: -55°C to +105°C
Materials
Contact Material: Copper Alloy
Insulation Material: Thermoplastic, UL 94V-0



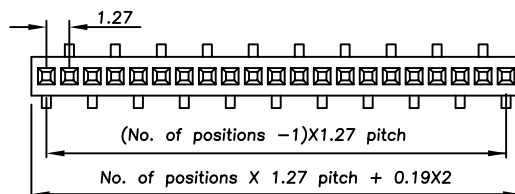
RECOMMENDED P.C.B LAYOUT



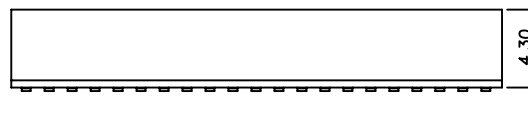
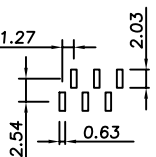
YA-V45X-1XxxL



SPECIFICATIONS
* Current Rating : 1 Amps
* Insulator resistance: 5000 Megohms min.
* Dielectric withstanding: AC 500 V
* Operating Temperature: -40° - +105°C
* Max Processing Temp: 230° for 30~60 seconds
(260° for 10 seconds)
* Contact Material: Phosphor bronze
* Housing: L.C.P (UL 94 V-0)



PCB LAYOUT

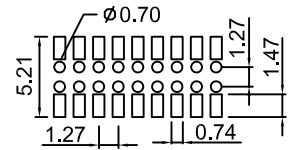
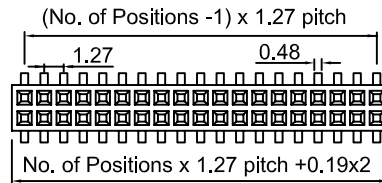


YA-V45X-2Xxx

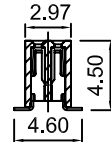


SPECIFICATIONS

- * Current Rating : 1 Amps
- * Insulator resistance: 5000 Megohms min.
- * Dielectric withstanding: AC 500 V
- * Operating Temperature: -40°~+105°C
- * Max Processing Temp: 230° for 30~60 seconds (260° for 10 seconds)
- * Contact Material: Phosphor bronze
- * Housing: L.C.P (UL 94 V-0)



Recommended P.C.B. Layout

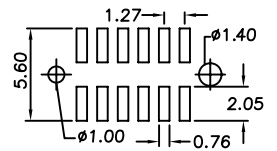
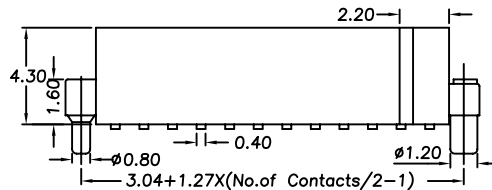
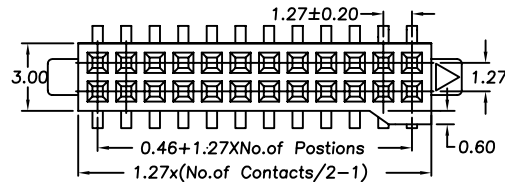


YAB-V45P-2Xxx

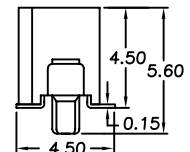


SPECIFICATIONS

- Current Rating: 1 Amp
- Insulator resistance: 5000 Megohms min.
- Contacts resistance: 20 m ohms max.
- Dielectric withstanding: AC 500 V
- Operating Temperature: -40°~+105°C
- Max Processing Temp: 230° for 30 seconds
- Contact Material: Phosphor bronze
- High Temperature
- Insulator Material: Thermoplastic, UL 94V-0



Recommended P.C. Board Layout

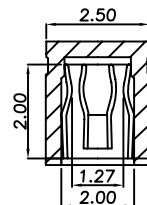
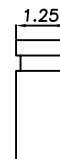
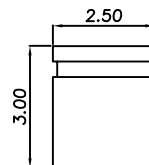


YJ-A-03

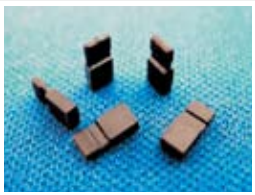


Specifications

- Current Rating: 1Amp
- Insulation Resistance: 5000MΩ Min.
- Dielectric Withstanding: 500V AC/DC
- Contact Resistance: 20mΩ Max.
- Operating Temperature: -55°C to +105°C
- Material:
- Contacts: Phosphor Bronze
- Housing: 30% Glass Filled PBT UL 94V-0

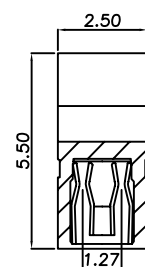
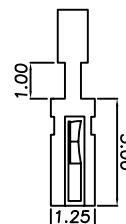
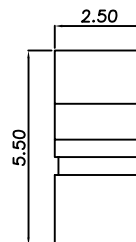


YJ-H-03



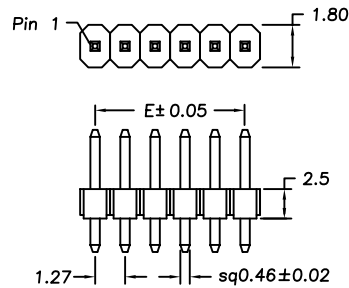
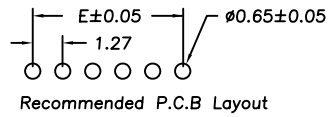
Specifications

- Current Rating: 1Amp
- Insulation Resistance: 5000MΩ Min.
- Dielectric Withstanding: 500V AC/DC
- Contact Resistance: 20mΩ Max.
- Operating Temperature: -55°C to +105°C
- Material:
- Contacts: Phosphor Bronze
- Housing: 30% Glass Filled PBT UL 94V-0



1.27X2.54mm Board to Board Connectors

P-D25-1Xxx



POLES	DIM E	POLES	DIM E
2	1.27	18	21.59
3	2.54	19	22.86
4	3.81	20	24.13
5	5.08	21	25.40
6	6.35	22	26.67
7	7.62	23	27.94
8	8.89	24	29.21
9	10.16	25	30.48
10	11.43	26	31.75
11	12.70	27	33.02
12	13.97	28	34.29
13	15.24	29	35.56
14	16.51	30	36.83
15	17.78	31	38.10
16	19.05	32	39.37
17	20.32	33	40.64

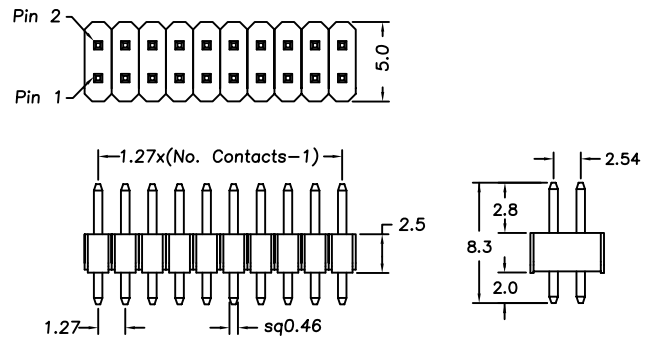
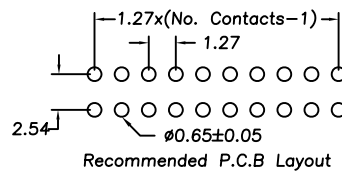
MATERIAL

Insulator : NYLON 46
Contact Pin : Brass

SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 100mA
Dielectric Voltage : AC 500V for one minute

P-D25-2Xxx



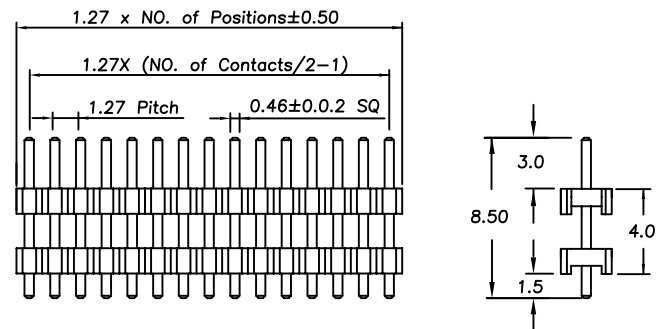
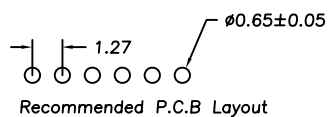
MATERIAL

Insulator : NYLON 46
Contact Pin : Brass

SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 100mA
Dielectric Voltage : AC 500V for one minute

PS-D0403015-1Xxx



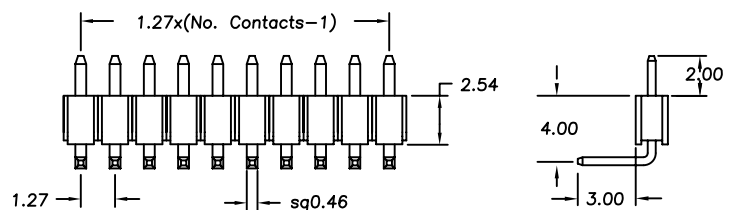
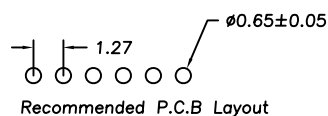
Contract:

Contact:Brass.

Insulator:Nylon 6T.

Finish:Gold flash plated over nickel.

P-R252030-1Xxx



Contract:

Contact:Brass.

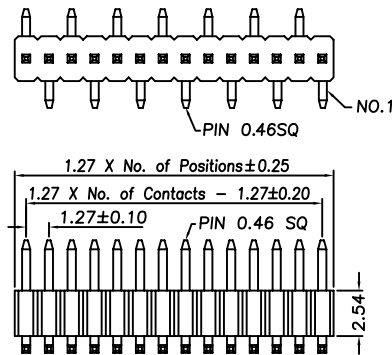
Insulator:Nylon 6T.

Finish:Gold flash plated over nickel.

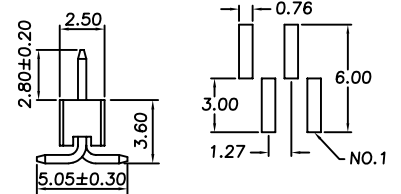
P-V36X-1XxxR



Specifications
Current Rating: 1Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 300V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Copper Alloy
Insulation Material: Polyester, UL 94V-0
Nylon 6T



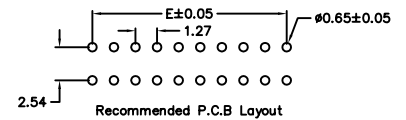
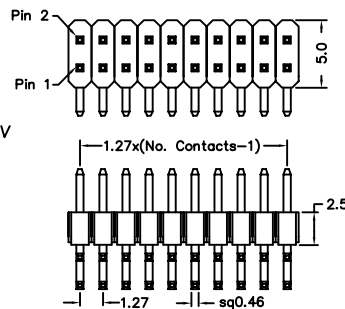
RECOMMENDED P.C.B LAYOUT



P-R253030-2Xxx



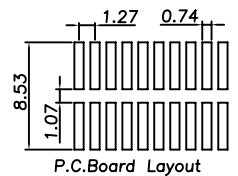
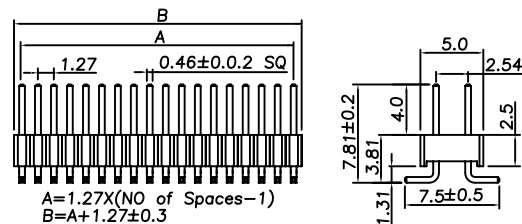
MATERIAL
Insulator : NYLON 6T
Contact Pin : Brass
SPECIFICATION
Current Rate : 1 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Operation Temperature : -55°C to + 105°C



P-V38X-2Xxx



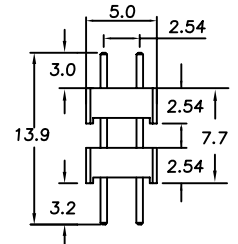
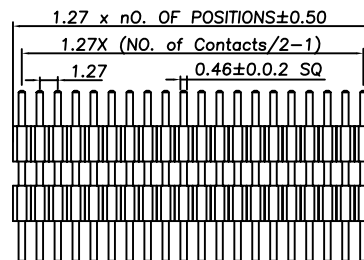
Conteract:
Contact:Brass.
Insuiator:Nylon 6T.
Finish:Gold flash plated over nickel.



PS-D0773032-2Xxx



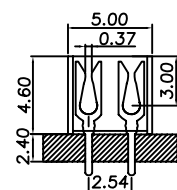
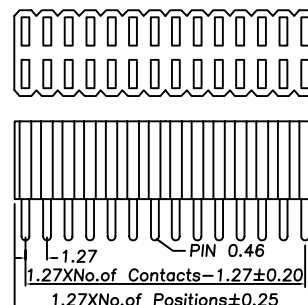
Conteract:
Contact:Brass.
Insuiator:Nylon 6T.
Finish:Gold flash plated over nickel.



Y-D46-2Xxx



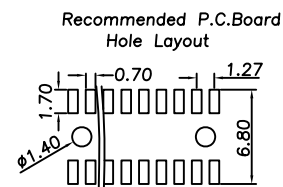
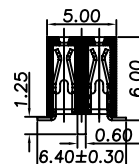
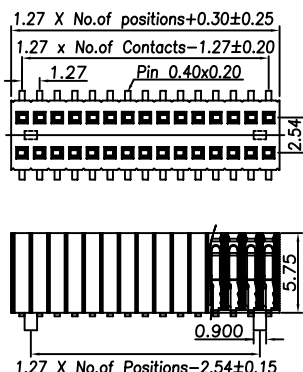
MATERIAL
Insulator:Polyester,UL 94V-0
Nylon 6T
Contact Pin: Brass
SPECIFICATION
Current Rate:1 AMP
Insulation Resistance:1000M OHM Min.at DC 300V
Contact Resistance:20m ohm Max. at DC 100mA
Operation Temperature:-40°C to + 105°C



Y-V60P-2Xxx



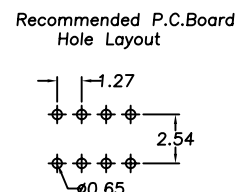
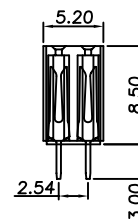
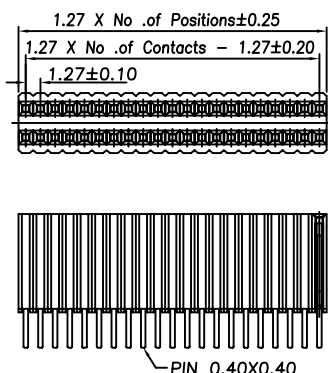
Specifications
Current Rating: 1Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 300V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T



Y-D85-2Xxx



Specifications
Current Rating: 1Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 300V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T

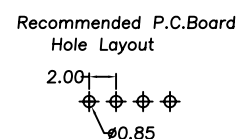
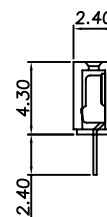
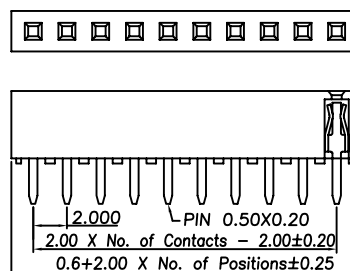


2.00mm Board to Board Connectors

S-D43-1Xxx



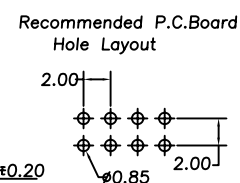
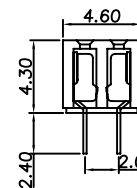
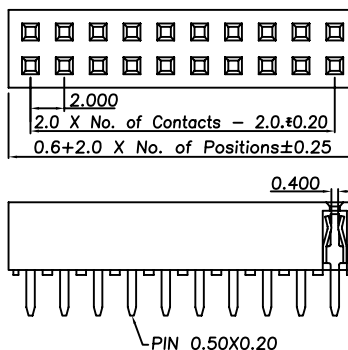
Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon-6T



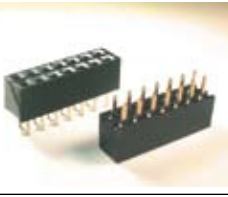
S-D43-2Xxx



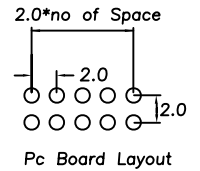
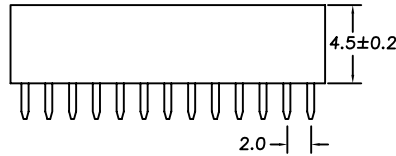
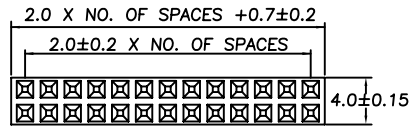
Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon-6T



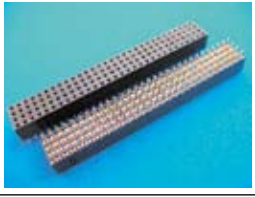
S-D45-2Xxx



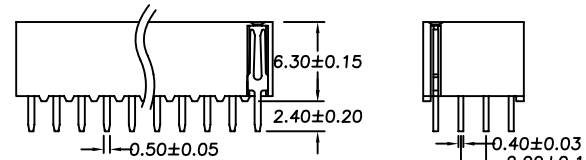
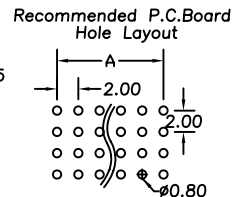
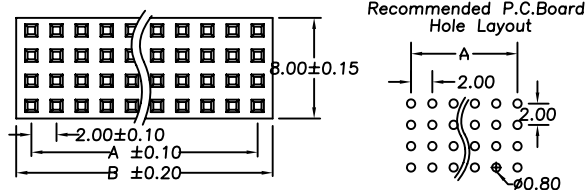
Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0



S-D63-4Xxx



SPECIFICATIONS
Current Rating: 1 Amp
Insulator resistance: 5000 Megohms min.
Contact resistance: 20 m ohm Max.
Dielectric withstanding: AC 500 V
Operating Temperature: -40° - +105°C
Max Processing Temp: 230° for 30~60 seconds
(260° for 10 seconds)
Contact Material: Phosphor Bronze.
Insulator Material: Polyester, UL 94V-0
●Standard: Nylon-6T

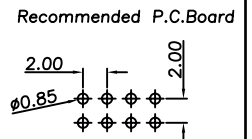
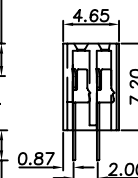
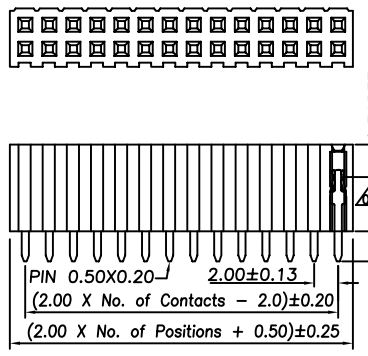


No. of Contacts	DIMENSIONS		No. of Contacts	DIMENSIONS	
	A	B		A	B
24	10.00	12.40	76	36.00	38.40
28	12.00	14.40	80	38.00	40.40
32	14.00	16.40	84	40.00	42.40
36	16.00	18.40	88	42.00	44.40
40	18.00	20.40	92	44.00	46.40
44	20.00	22.40	96	46.00	48.40
48	22.00	24.40	100	48.00	50.40
52	24.00	26.40	104	50.00	52.40
56	26.00	28.40	108	52.00	54.40
60	28.00	30.40	112	54.00	56.40
64	30.00	32.40	116	56.00	58.40
68	32.00	34.40	120	58.00	60.40
72	34.00	36.40			

S-D72-2Xxx



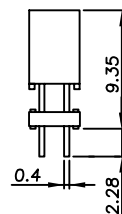
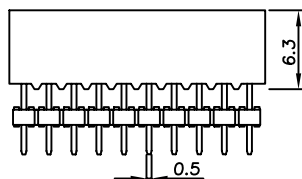
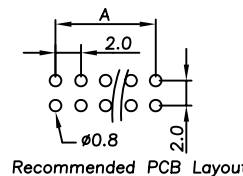
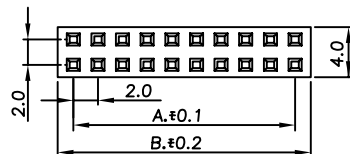
Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T (Processing temp, 260°C, 10sec)
All materials must be GP materials



SE-D09323-2Xxx

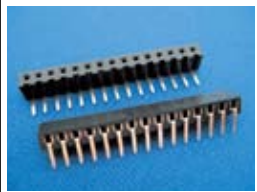


SPECIFICATIONS
Current Rating: 1 Amp
Insulator resistance: 5000 Megohms min.
Contact resistance: 20 m ohms max.
Dielectric withstanding: AC 500 V
Operating Temperature: -40°~+105°C
Max Processing Temp: 230° for 30 seconds
Contact Material: Copper Alloy
Insulator Material: High Temperature plastic, UL 94V-0

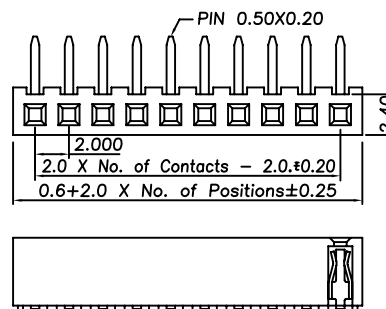


No. of Contacts	DIMENSIONS		No. of Contacts	DIMENSIONS	
	A	B		A	B
12	10.00	12.40	38	36.00	38.40
14	12.00	14.40	40	38.00	40.40
16	14.00	16.40	42	40.00	42.40
18	16.00	18.40	44	42.00	44.40
20	18.00	20.40	46	44.00	46.40
22	20.00	22.40	48	46.00	48.40
24	22.00	24.40	50	48.00	50.40
26	24.00	26.40	52	50.00	52.40
28	26.00	28.40	54	52.00	54.40
30	28.00	30.40	56	54.00	56.40
32	30.00	32.40	58	56.00	58.40
34	32.00	34.40	60	58.00	60.40
36	34.00	36.40			

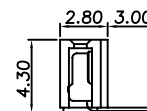
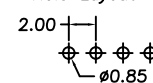
S-R43-1Xxx



Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon-6T



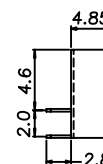
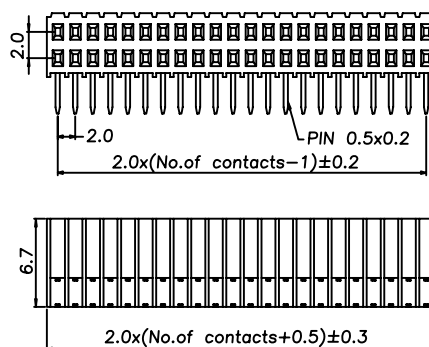
Recommended P.C.Board
Hole Layout



S-R67-2Xxx



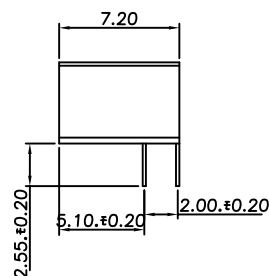
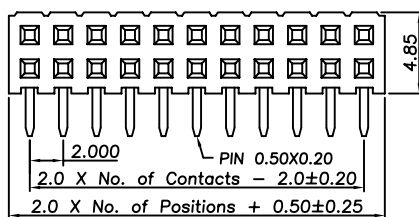
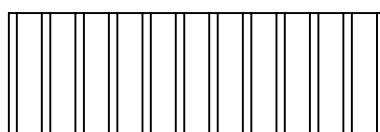
Specifications
Current Rating: 1Amp
Insulation Resistance: 5000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Max Processing Temp: 230° For 30 Seconds
Material:
Contacts: Phosphor Bronze
Insulator material: Polyester UL 94V-0
Standard: Nylon-6T



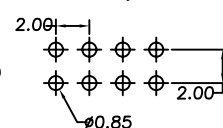
S-R72-2Xxx



Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon-6T



Recommended P.C.Board
Hole Layout

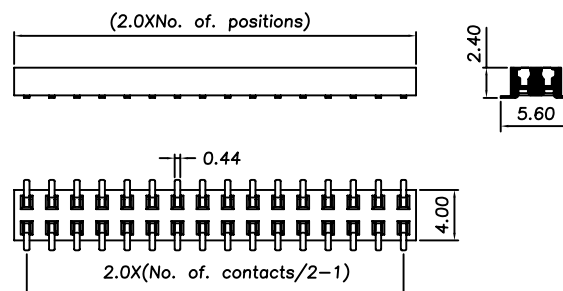
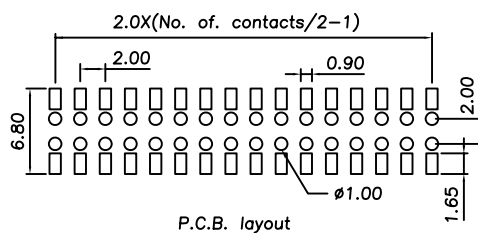


S-Z24X-2Xxx

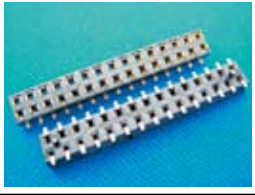


SPECIFICATIONS

- * Current Rating : 1 Amps
- * Insulator resistance: 5000 Megohms min.
- * Dielectric withstanding: AC 500 V
- * Operating Temperature: -40°-+105°C
- * Max Processing Temp: 230° for 30 seconds
(260° for 7 seconds)
- * Contact Material: Phosphor bronze
- * Housing: L.C.P. (UL 94 V-0)

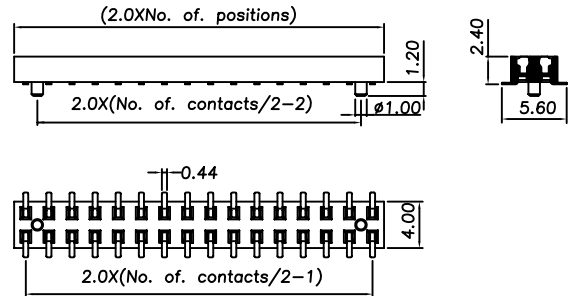
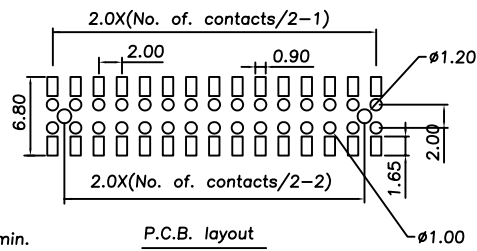


S-Z24P-2Xxx



SPECIFICATIONS

- * Current Rating : 1 Amps
- * Insulator resistance: 5000 Megohms min.
- * Dielectric withstanding: AC 500 V
- * Operating Temperature: -40°-+105°C
- * Max Processing Temp: 230° for 30 seconds
(260° for 7 seconds)
- * Contact Material: Phosphor bronze
- * Housing: L.C.P. (UL 94 V-0)

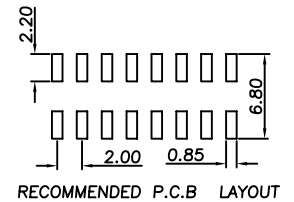
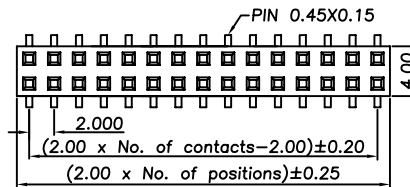


S-V28X-2Xxx



Specifications

- Current Rating: 2Amp
- Insulation Resistance: W000M Min.
- Dielectric Withstanding: 500V AC/DC
- Contact Resistance: W 20m Max.
- Operating Temperature: -40°C to +105°C
- Materials
- Contact Material: Phosphor Bronze
- Insulator Material: Polyester, (UL94V-0)
- Nylon 6T

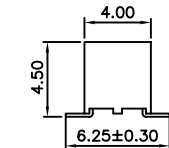
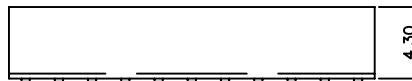
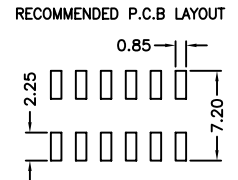
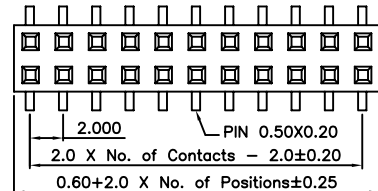


S-V45X-2Xxx



Specifications

- Current Rating: 2Amp
- Insulation Resistance: 1000MΩ Min.
- Dielectric Withstanding: 500V AC/DC
- Contact Resistance: 20mΩ Max.
- Operating Temperature: -40°C to +105°C
- Materials
- Contact Material: Phosphor Bronze
- Insulation Material: Polyester, UL 94V-0
- NYLON-6T

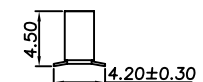
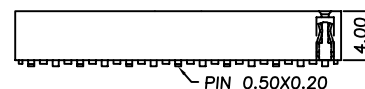
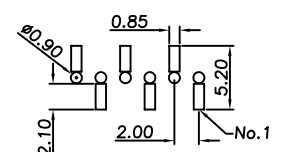
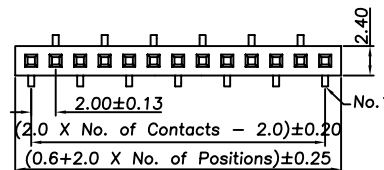


S-V45X-1XxxR



Specifications

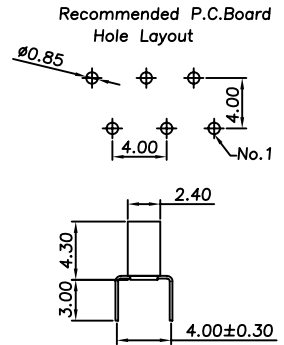
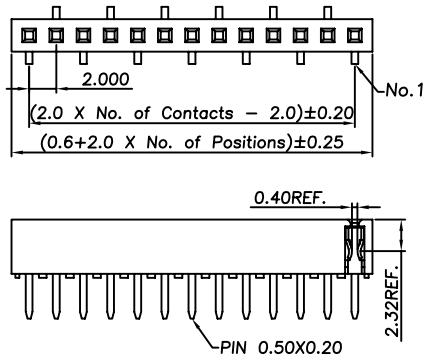
- Current Rating: 2Amp
- Insulation Resistance: 1000MΩ Min.
- Dielectric Withstanding: 500V AC/DC
- Contact Resistance: 20mΩ Max.
- Operating Temperature: -40°C to +105°C
- Materials
- Contact Material: Phosphor Bronze
- Insulation Material: Polyester, UL 94V-0
- Nylon 6T



S-B40-1XxxR



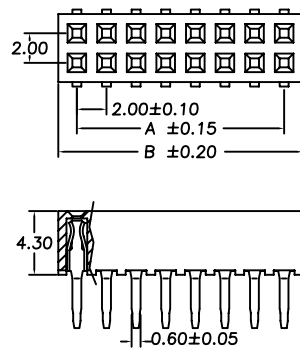
Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T



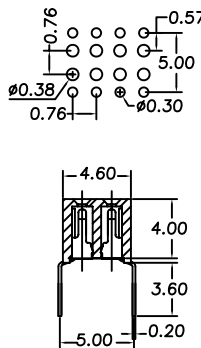
S-B50-2Xxx



SPECIFICATIONS
Current Rating: 1 Amp
Insulator resistance: 5000 Megohms min.
Contact resistance: 20 m ohms max.
Dielectric withstanding: AC 500 V
Operating Temperature: -40°~+105°C
Contact Material: Phosphor Bronze
Insulator Material: Polyester, UL 94V-0
●Standard: Nylon-6T



Recommended PCB Layout

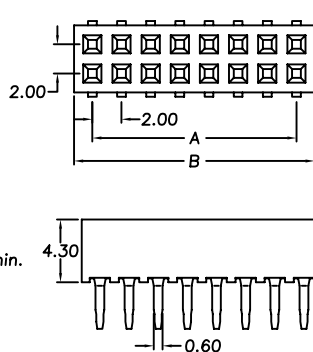


No. of Contacts	DIMENSIONS	No. of Contacts	DIMENSIONS	No. of Contacts	DIMENSIONS
	A B		A B		A B
6	4.00 6.50	32	30.00 32.50	58	56.00 58.50
8	6.00 8.50	34	32.00 34.50	60	58.00 60.50
10	8.00 10.50	36	34.00 36.50	62	60.00 62.50
12	10.00 12.50	38	36.00 38.50	64	62.00 64.50
14	12.00 14.50	40	38.00 40.50	66	64.00 66.50
16	14.00 16.50	42	40.00 42.50	68	66.00 68.50
18	16.00 18.50	44	42.00 44.50	70	68.00 70.50
20	18.00 20.50	46	44.00 46.50	72	70.00 72.50
22	20.00 22.50	48	46.00 48.50	74	72.00 74.50
24	22.00 24.50	50	48.00 50.50	76	74.00 76.50
26	24.00 26.50	52	50.00 52.50	78	76.00 78.50
28	26.00 28.50	54	52.00 54.50	80	78.00 80.50
30	28.00 30.50	56	54.00 56.50		

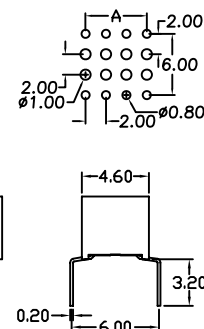
S-B60-2Xxx



SPECIFICATIONS
Current Rating: 1 Amp
Insulator resistance: 5000 Megohms min.
Contact resistance: 20 m ohms max.
Dielectric withstanding: AC 500 V
Operating Temperature: -40°~+105°C
Contact Material: Phosphor Bronze
Insulator Material: Polyester, UL 94V-0
●Standard: Nylon-6T



Recommended PCB Layout

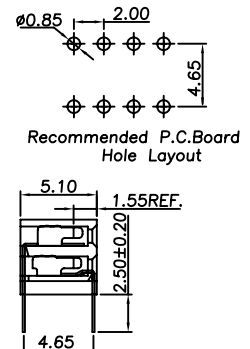
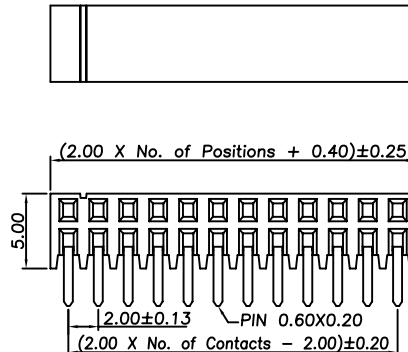


No. of Contacts	DIMENSIONS	No. of Contacts	DIMENSIONS	No. of Contacts	DIMENSIONS
	A B		A B		A B
6	4.00 6.50	32	30.00 32.50	58	56.00 58.50
8	6.00 8.50	34	32.00 34.50	60	58.00 60.50
10	8.00 10.50	36	34.00 36.50	62	60.00 62.50
12	10.00 12.50	38	36.00 38.50	64	62.00 64.50
14	12.00 14.50	40	38.00 40.50	66	64.00 66.50
16	14.00 16.50	42	40.00 42.50	68	66.00 68.50
18	16.00 18.50	44	42.00 44.50	70	68.00 70.50
20	18.00 20.50	46	44.00 46.50	72	70.00 72.50
22	20.00 22.50	48	46.00 48.50	74	72.00 74.50
24	22.00 24.50	50	48.00 50.50	76	74.00 76.50
26	24.00 26.50	52	50.00 52.50	78	76.00 78.50
28	26.00 28.50	54	52.00 54.50	80	78.00 80.50
30	28.00 30.50	56	54.00 56.50		

S-S-2Xxx



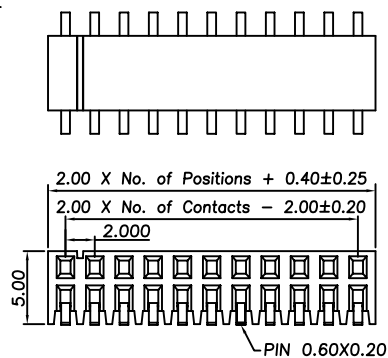
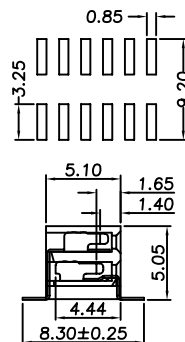
Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T





Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
 NYLON-6T

RECOMMENDED P.C.B. LAYOUT

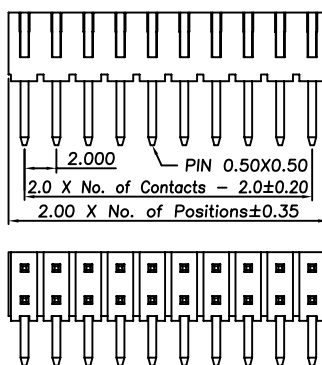


M-RT4-2Xxx

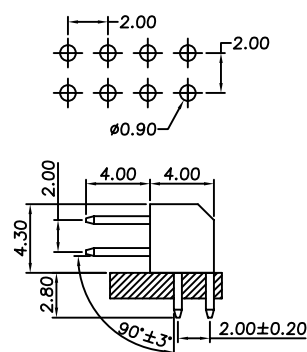


Specifications
Current Rating: 2Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 500V AC
Contact Resistance: 20mΩ Max.
Operating Temperature:-40°C to +105°C

Materials
Contact Material: Copper Alloy
Insulation Material: Polyester, UL 94V-0
 Nylon-6T



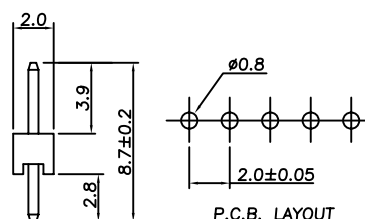
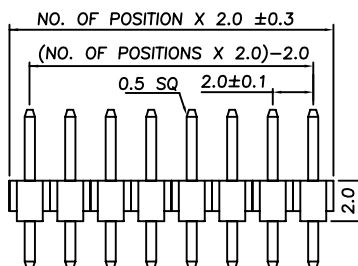
Recommended P.C.Board
Hole Layout



M-D-1Xxx



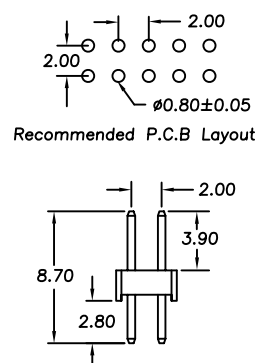
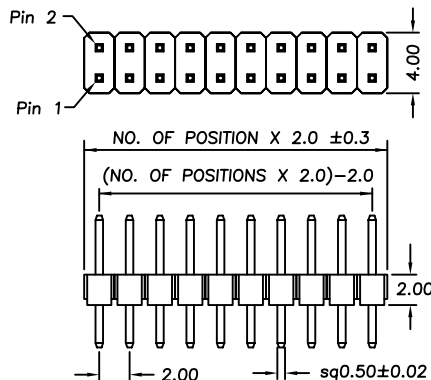
Specifications:
Current rating:1 Amps
Dielectric Withstanding:AC 500V
Operating Temperature:-25°C ~ +105°C
Contact resistance:20mohm max.
Insulation resistance:5,000Mohm min.
Materials:
Insulator:Polyester(UL94V-0)
Contact material:Brass
Plating:Gold flash



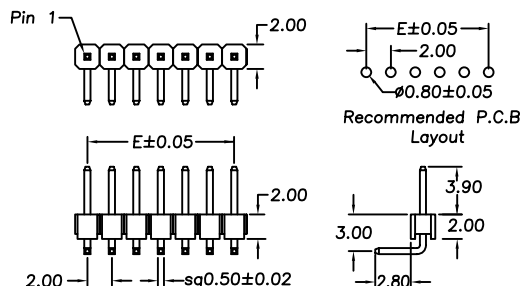
M-D-2Xxx



Specifications:
Current rating:1 Amps
Dielectric Withstanding:AC 500V
Operating Temperature:-25°C ~ +105°C
Contact resistance:20mohm max.
Insulation resistance:5,000Mohm min.
Materials:
Insulator:Polyester(UL94V-0)
Contact material:Brass
Plating:Gold flash



M-R-1Xxx



POLES	DIM E	POLES	DIM E	POLES	DIM E	POLES	DIM E
2	2.00	12	22.00	22	42.00	32	62.00
3	4.00	13	24.00	23	44.00	33	64.00
4	6.00	14	26.00	24	46.00	34	66.00
5	8.00	15	28.00	25	48.00	35	68.00
6	10.00	16	30.00	26	50.00	36	70.00
7	12.00	17	32.00	27	52.00	37	72.00
8	14.00	18	34.00	28	54.00	38	74.00
9	16.00	19	36.00	29	56.00	39	76.00
10	18.00	20	38.00	30	58.00	40	78.00
11	20.00	21	40.00	31	60.00		

MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass

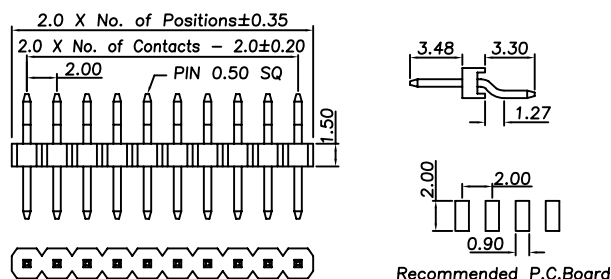
SPECIFICATION
Current Rate : 1 AMP
Insulation Resistance : 5000M Ω Min. at DC 500V
Contact Resistance : 20m Ω Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

M-WX-1Xxx



Specifications
Current Rating: 2Amp
Insulation Resistance: 1000M Ω Min.
Dielectric Withstanding: 500V AC/DC
Contact Resistance: 20m Ω Max.
Operating Temperature: -40°C to +105°C

Materials
Contact Material: Copper Alloy
Insulation Material: Polyester/JL 94V-0
Nylon-6T

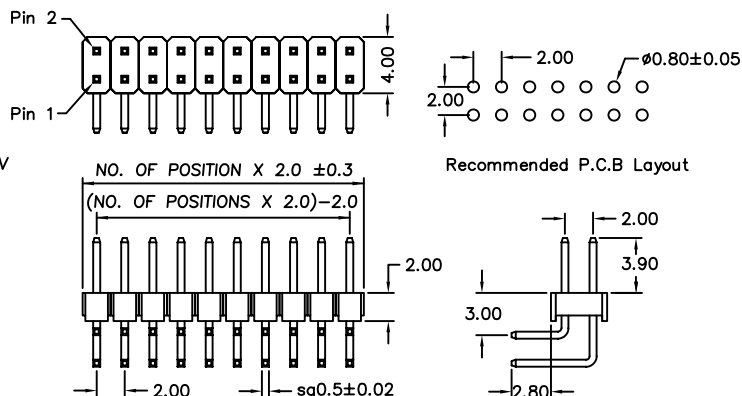


M-R-2Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass

SPECIFICATION
Current Rate : 1 AMP
Insulation Resistance : 5000M Ω Min. at DC 500V
Contact Resistance : 20m Ω Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

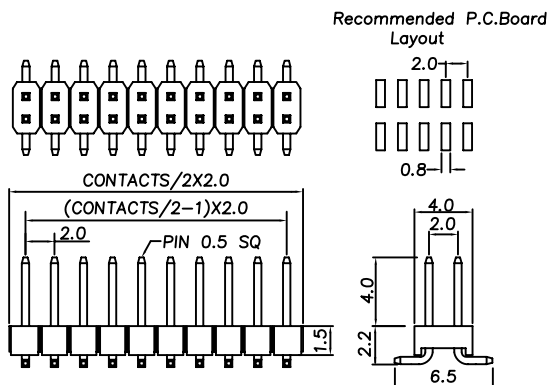


M-V22X-2Xxx



Specifications
Current Rating: 3Amp
Insulation Resistance: 1000M Ω Min.
Dielectric Withstanding: 600VAC
Contact Resistance: 20m Ω Max.
Operating Temperature: -40°C to +105°C

Materials
Contact Material: Copper alloy
Insulator Material: Polyester, UL94V-0
NYLON-6T



SJ-A-05



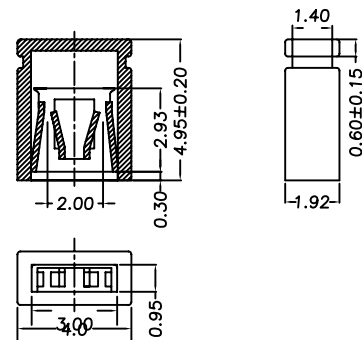
NOTES

1.MATERIAL

- 1.1 Insulator: P.B.T. +15% G.F. UL-94V-0
- 1.2 Contact: Phosphor Bronze
- 1.3 Plating: Gold Or Nickel Plated

2.SPECIFICATION

- 2.1 Current Rating: 3Amp
- 2.2 Dielectric Withstanding: AC 1000V min.Per minute
- 2.3 Insulation Resistance: 1000M ohms At DC 500V
- 2.4 Contact Resistance: 25 M ohms Max
- 2.5 Contact Insertion Force: 1kg max
- 2.6 Contact Separation force: 70g min
- 2.7 Operating Temperature: -55°C To +85°C



SJ-B-03

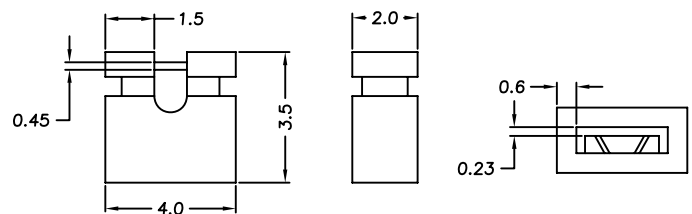


MATERIAL

Insulator : PBT+30% Glass fiber
Contact Pin : Phosphor bronze

SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 100mA
Dielectric Voltage : 250V AC for one minute
Operation Temperature : -55°C to +105°C



SJ-B-04

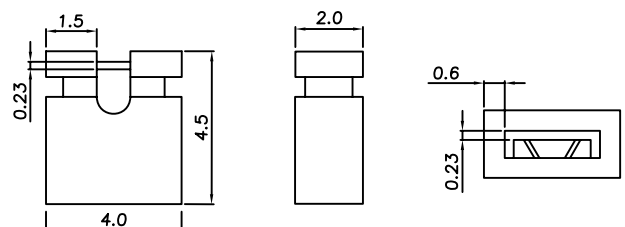


MATERIAL

Insulator : PBT+30% Glass fiber
Contact Pin : Phosphor bronze

SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 100mA
Dielectric Voltage : 250V AC for one minute
Operation Temperature : -55°C to +105°C



SJ-H-04

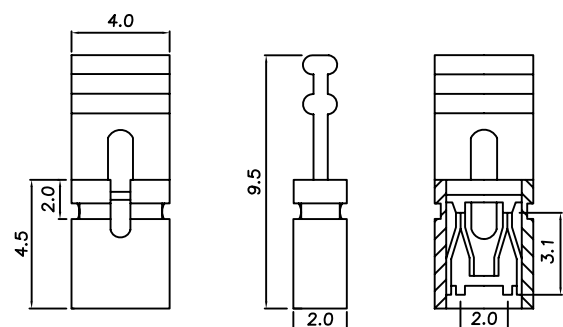


MATERIAL

Insulator : PBT+30% Glass fiber
Contact Pin : Phosphor bronze

SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 100mA
Dielectric Voltage : 250V AC for one minute
Operation Temperature : -55°C to +105°C



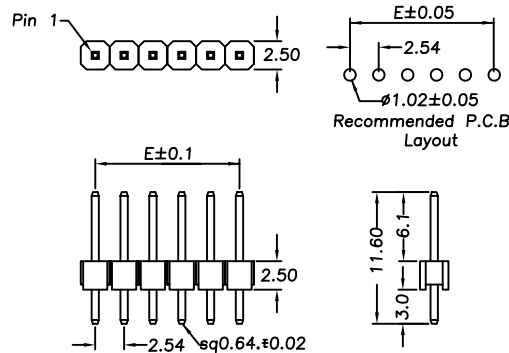
2.54mm Board to Board Connectors

H-D-1Xxx



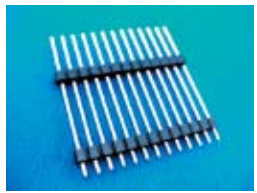
MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass , Gold Flash

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C



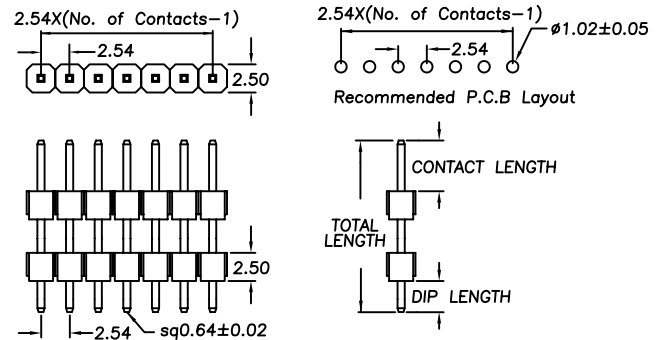
POLES	DIM	E	POLES	DIM	E	POLES	DIM	E	POLES	DIM	E
2	2.54	12	27.94	22	53.34	32	78.74				
3	5.08	13	30.48	23	55.88	33	81.28				
4	7.62	14	33.02	24	58.42	34	83.82				
5	10.16	15	35.56	25	60.96	35	86.36				
6	12.70	16	38.10	26	63.50	36	88.90				
7	15.24	17	40.64	27	66.04	37	91.44				
8	17.78	18	43.18	28	68.58	38	93.98				
9	20.32	19	45.72	29	71.12	39	96.52				
10	22.86	20	48.26	30	73.66	40	99.06				
11	25.40	21	50.80	31	76.20						

HS-Dtttccdd-1Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass , Gold Flash

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

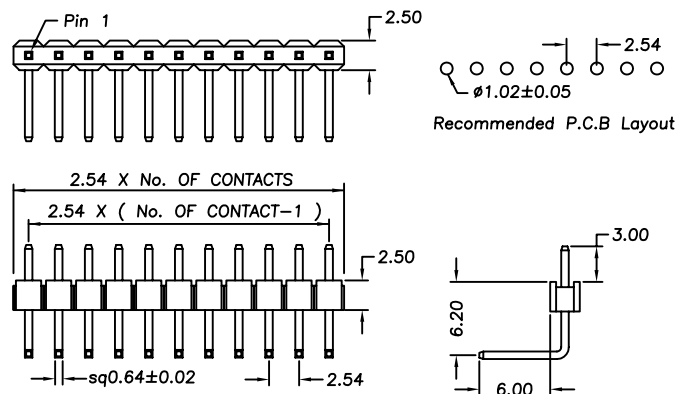


H-R-1Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass , Gold Flash

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

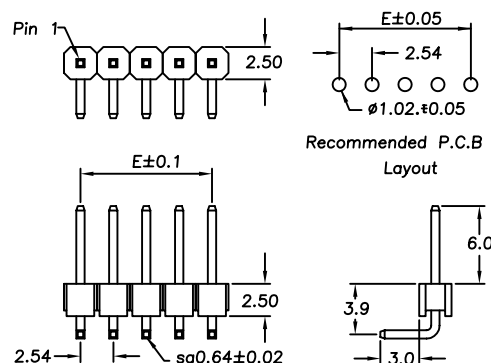


H-RL-1Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass , Gold Flash

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

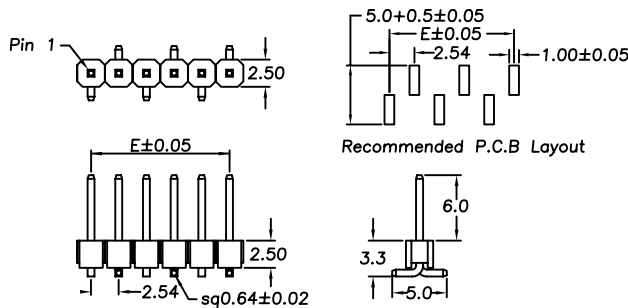


POLES	DIM	E	POLES	DIM	E	POLES	DIM	E	POLES	DIM	E
2	2.54	12	27.94	22	53.34	32	78.74				
3	5.08	13	30.48	23	55.88	33	81.28				
4	7.62	14	33.02	24	58.42	34	83.82				
5	10.16	15	35.56	25	60.96	35	86.36				
6	12.70	16	38.10	26	63.50	36	88.90				
7	15.24	17	40.64	27	66.04	37	91.44				
8	17.78	18	43.18	28	68.58	38	93.98				
9	20.32	19	45.72	29	71.12	39	96.52				
10	22.86	20	48.26	30	73.66	40	99.06				
11	25.40	21	50.80	31	76.20						

H-V33X-1XxxL



Materials
Contact Material: Copper alloy
Insulator Material: Polyester, UL94V-0
NYLON-6T



Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600VAC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

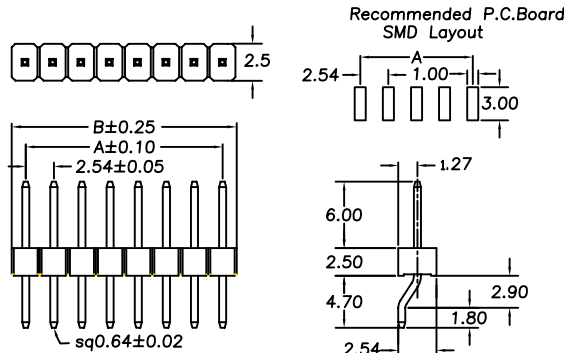
POLES	DIM E	POLES	DIM E	POLES	DIM E	POLES	DIM E
2	2.54	12	27.94	22	53.34	32	78.74
3	5.08	13	30.48	23	55.88	33	81.28
4	7.62	14	33.02	24	58.42	34	83.82
5	10.16	15	35.56	25	60.96	35	86.36
6	12.70	16	38.10	26	63.50	36	88.90
7	15.24	17	40.64	27	66.04	37	91.44
8	17.78	18	43.18	28	68.58	38	93.98
9	20.32	19	45.72	29	71.12	39	96.52
10	22.86	20	48.26	30	73.66	40	99.06
11	25.40	21	50.80	31	76.20		

H-WX-1Xxx



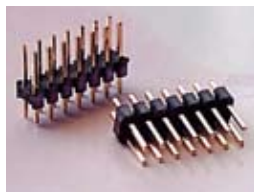
Materials
Contact Material: Copper alloy
Insulator Material: Polyester, UL94V-0
NYLON-6T

Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600VAC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

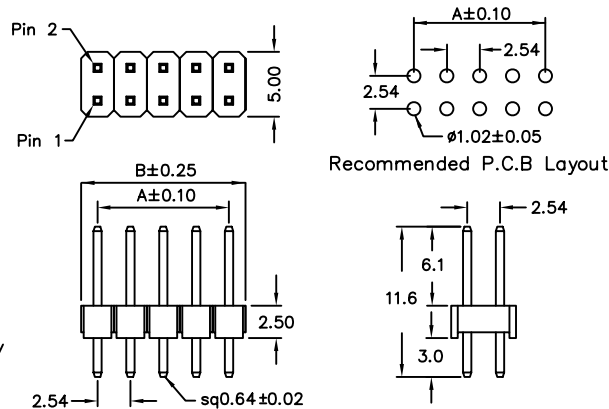


No. of Contacts	DIMENSIONS A	B	No. of Contacts	DIMENSIONS A	B
3	5.08	7.62	22	53.34	55.86
4	7.62	10.16	23	55.88	58.42
5	10.16	12.70	24	58.42	60.96
6	12.70	15.24	25	60.96	63.50
7	15.24	17.78	26	63.50	66.04
8	17.78	20.32	27	66.04	68.58
9	20.32	22.86	28	68.58	71.12
10	22.86	25.40	29	71.12	73.66
11	25.40	27.94	30	73.66	76.20
12	27.94	30.48	31	76.20	78.74
13	30.48	33.02	32	78.74	81.28
14	33.02	35.56	33	81.28	83.82
15	35.56	38.10	34	83.82	86.36
16	38.10	40.64	35	86.36	88.90
17	40.64	43.18	36	88.90	91.44
18	43.18	45.72	37	91.44	93.98
19	45.72	48.26	38	93.98	96.52
20	48.26	50.80	39	96.52	99.06
21	50.80	53.34	40	99.06	101.60

H-D-2Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass , Gold Flash
SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

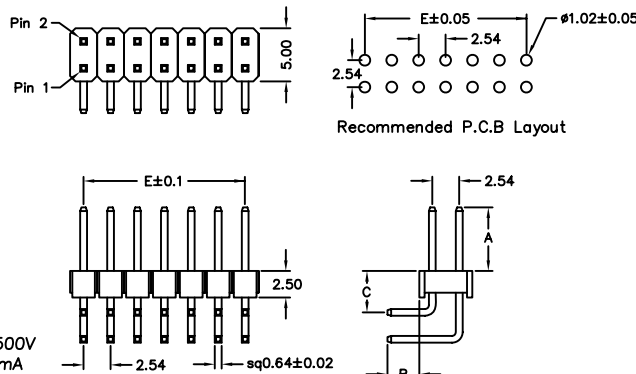


No. of Contacts	DIMENSIONS A	B	No. of Contacts	DIMENSIONS A	B
2	2.54	5.08	22	53.34	55.86
3	5.08	7.62	23	55.88	58.42
4	7.62	10.16	24	58.42	60.96
5	10.16	12.70	25	60.96	63.50
6	12.70	15.24	26	63.50	66.04
7	15.24	17.78	27	66.04	68.58
8	17.78	20.32	28	68.58	71.12
9	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60
21	50.80	53.34			

H-R-2Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass , Gold Flash
SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C



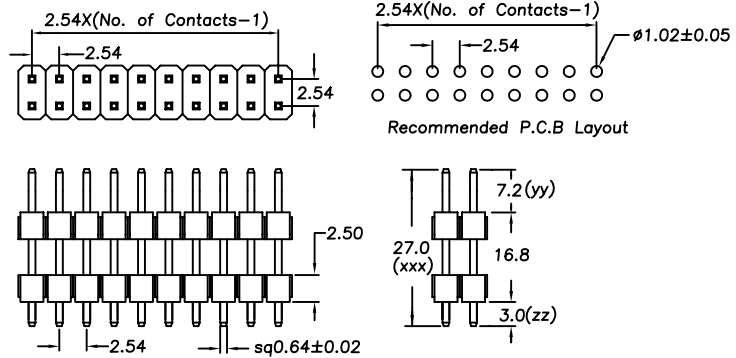
No. of Contacts	DIMENSIONS A	B	No. of Contacts	DIMENSIONS A	B
2	2.54	5.08	22	53.34	55.86
3	5.08	7.62	23	55.88	58.42
4	7.62	10.16	24	58.42	60.96
5	10.16	12.70	25	60.96	63.50
6	12.70	15.24	26	63.50	66.04
7	15.24	17.78	27	66.04	68.58
8	17.78	20.32	28	68.58	71.12
9	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60
21	50.80	53.34			

HSB-D2707230-2Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass, Gold Flash

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

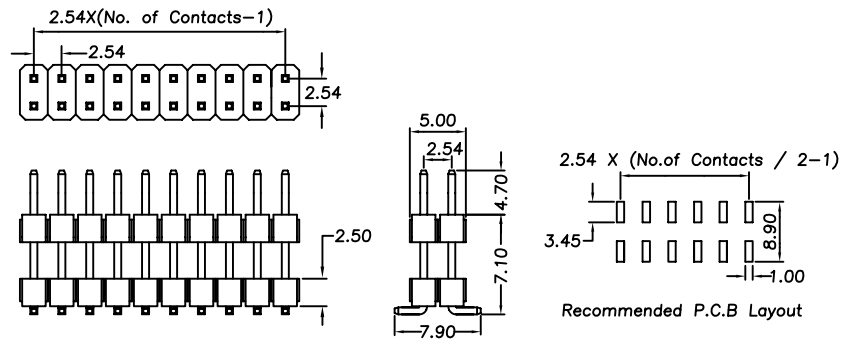


HSB-V071X47-2Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

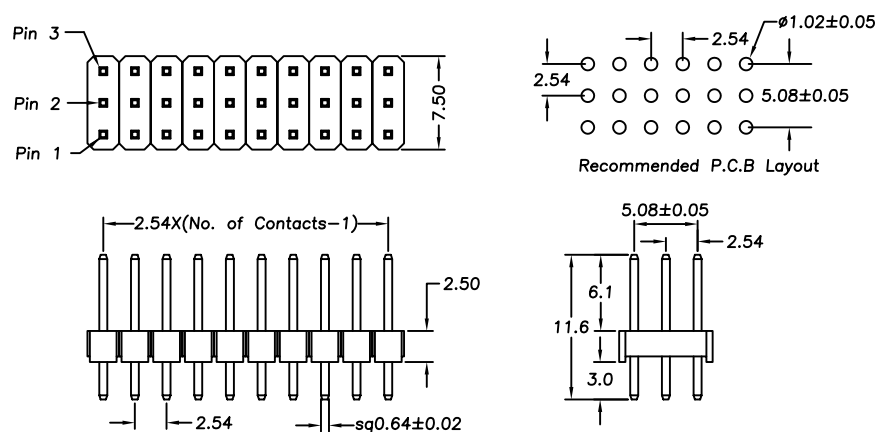


H-D-3Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

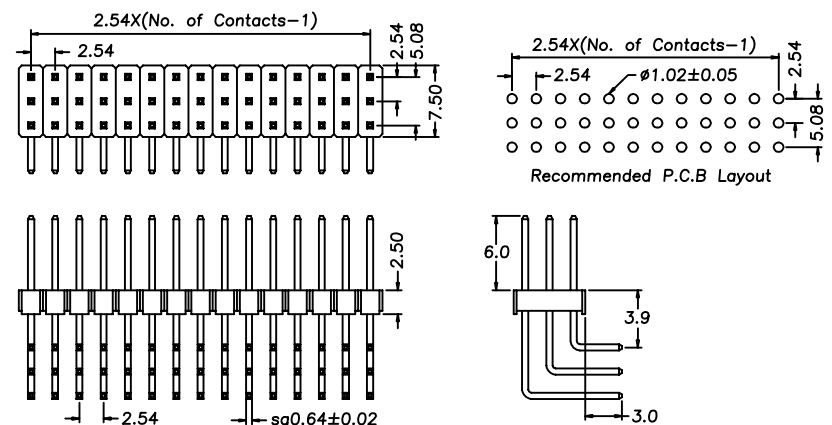


H-R-3Xxx



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

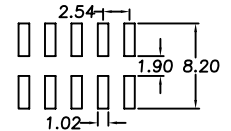
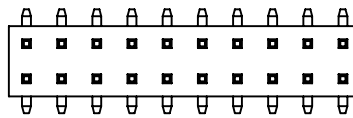


H-V33X-2Xxx

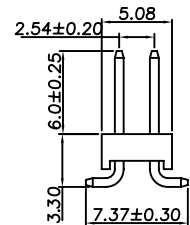
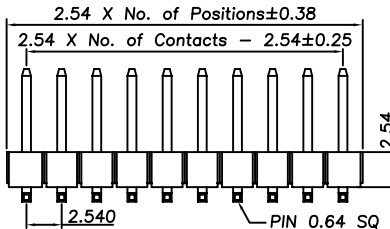


Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600VAC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials
Contact Material: Copper alloy
Insulator Material: Polyester, UL94V-0
NYLON-6T



Recommended P.C. Board Layout

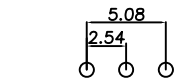
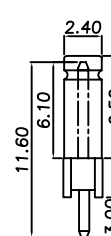
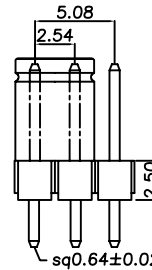
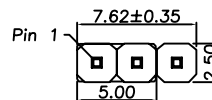


H-D-1X03JA



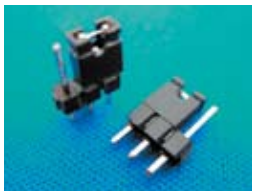
MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass, Gold Flash

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C



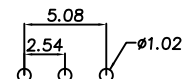
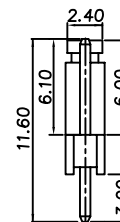
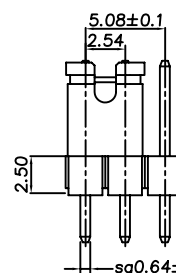
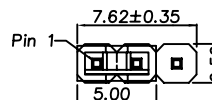
Recommended P.C.B Layout

H-D-1X03JB



MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min. at DC 500V
Contact Resistance : 20mΩ Max. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C



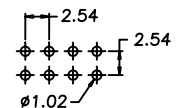
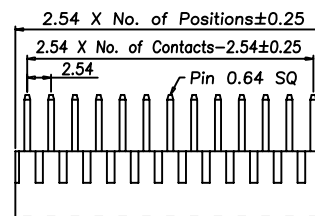
Recommended P.C.B Layout

T-R74-xx

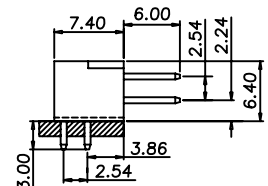
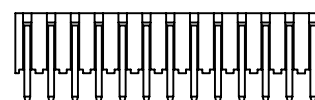


Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600VAC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials
Contact Material: Copper alloy
Insulator Material: Polyester, UL94V-0
P.B.T



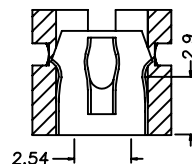
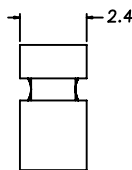
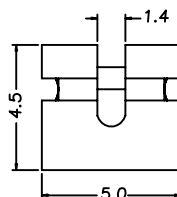
Recommended P.C Board Hole Layout



J-B-04



Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600VAC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Copper alloy
Insulator Material: Polyester, UL94V-0
P.B.T



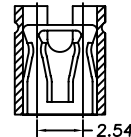
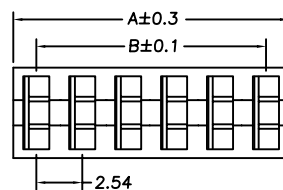
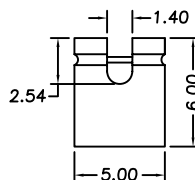
J-BS-2Xxx



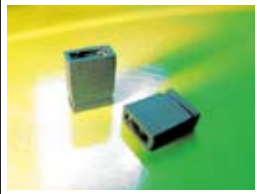
	A	B
2	5.08	2.54
3	7.62	5.08
4	10.16	7.62
5	12.70	10.16
6	15.24	12.70
7	17.78	15.24
8	20.32	17.78
9	22.86	20.32
10	25.40	22.86

MATERIAL
Insulator : PBT+30% Glass fiber
Contact Pin : brass

SPECIFICATION
Current Rate : 1 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 500mA
Dielectric Voltage : 500V AC for one minute
Operation Temperature : -55°C to +105°C

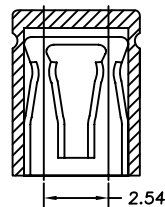
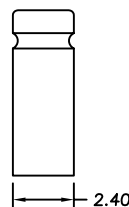
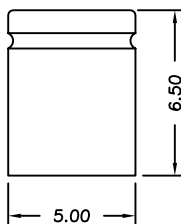
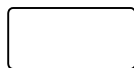


J-A-06



MATERIAL
Insulator : PBT+30% Glass fiber
Contact Pin : brass

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 500mA
Dielectric Voltage : 500V AC for one minute
Operation Temperature : -55°C to +105°C

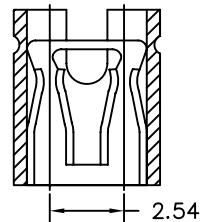
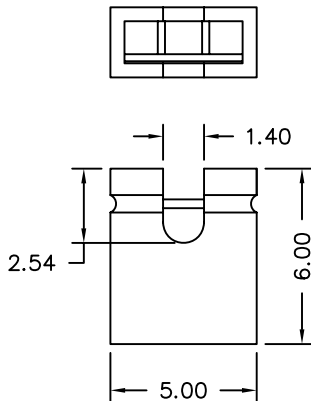


J-B-06



MATERIAL
Insulator : PBT+30% Glass fiber
Contact Pin : Brass

SPECIFICATION
Current Rate : 1 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 100mA
Dielectric Voltage : 1000V AC for one minute
Operation Temperature : -55°C to +105°C

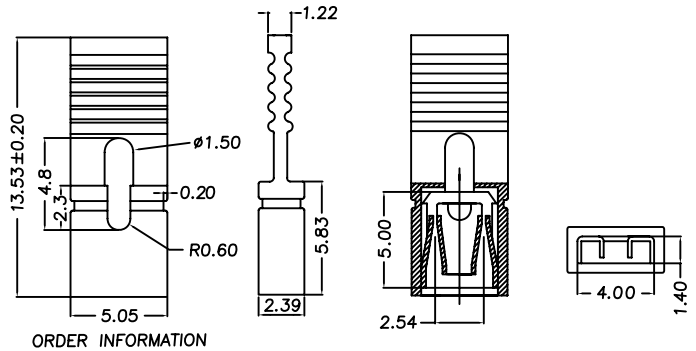


J-H-06



NOTES

Insulator : Nylon 66
SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 1000MΩMin.
Contact Resistance : 20mΩMax. at DC 100mA
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -55°C to + 85°C



J-A-08

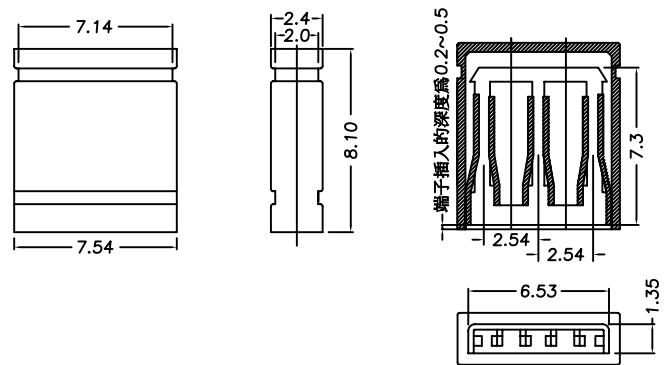


MATERIAL

Insulator : 25% Glass fiber PBT
Contact Pin : Phosphor Bronze

SPECIFICATION

Current Rate : 3 AMP
Insulation Resistance : 1000MΩMin.
Contact Resistance : 20mΩMax.
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -55°C to + 85°C



J-B-08

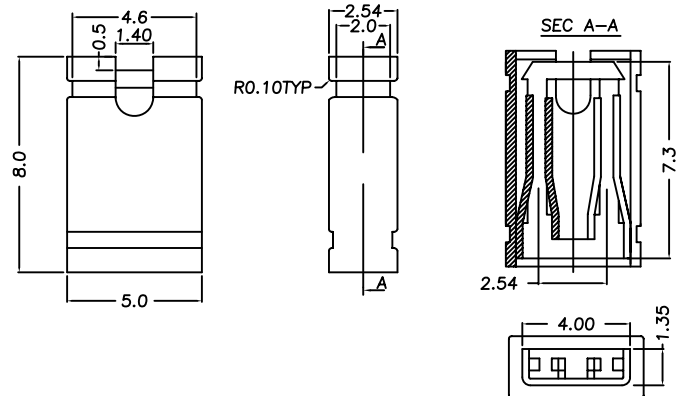


MATERIAL

Insulator : 25% Glass fiber PBT
Contact Pin : Phosphor Bronze

SPECIFICATION

Current Rate : 3 AMP
Insulation Resistance : 1000MΩMin.
Contact Resistance : 20mΩMax.
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -55°C to + 85°C



J51-A-06

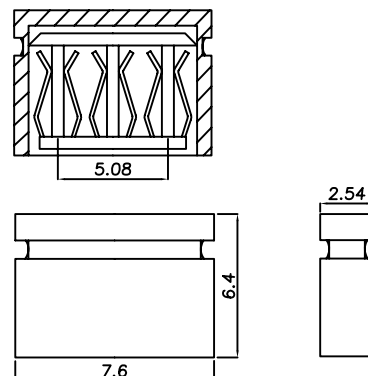


MATERIAL

Insulator : PBT+30% Glass fiber
Contact Pin : brass

SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 5000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at DC 500mA
Dielectric Voltage : 500V AC for one minute
Operation Temperature : -55°C to +105°C



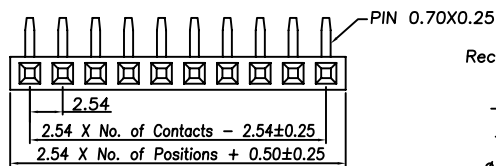
F-R50-1Xxx



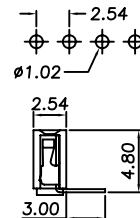
Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0

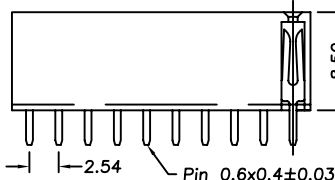
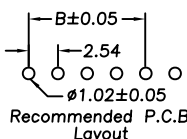
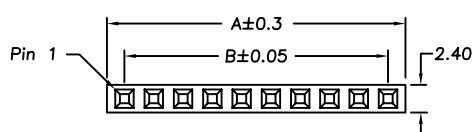
注: 02-24PIN塑膠材質用P.B.T料生產。
25-40PIN塑膠材質用PA6T+20%料生產。



Recommended P.C.Board
Hole Layout



F-D-1Xxx

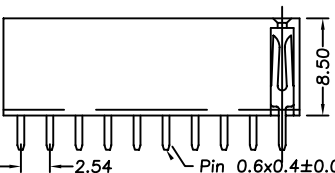
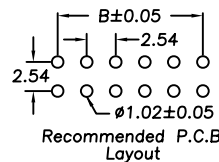
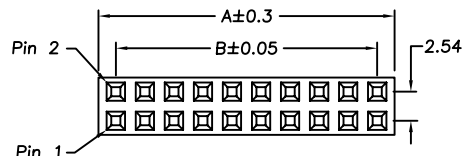


POLES	DIM A	DIM B	POLES	DIM A	DIM B
2	5.58	2.54	21	53.84	50.80
3	8.12	5.08	22	56.38	53.34
4	10.66	7.62	23	58.92	55.88
5	13.20	10.16	24	61.46	58.42
6	15.74	12.70	25	64.00	60.96
7	18.28	15.24	26	66.54	63.50
8	20.82	17.78	27	69.08	66.04
9	23.36	20.32	28	71.62	68.58
10	25.90	22.86	29	74.16	71.12
11	28.44	25.40	30	76.70	73.66
12	30.98	27.94	31	79.24	76.20
13	33.52	30.48	32	81.78	78.74
14	36.06	33.02	33	84.32	81.28
15	38.60	35.56	34	86.86	83.82
16	41.14	38.10	35	89.40	86.36
17	43.68	40.64	36	91.94	88.90
18	46.22	43.18	37	94.48	91.44
19	48.76	45.72	38	97.02	93.98
20	51.30	48.26	39	99.56	96.52
			40	102.1	99.06

MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩMin.
Contact Resistance : 20mΩMax.
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

F-D-2Xxx

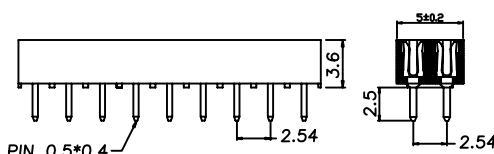
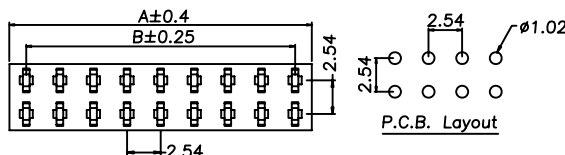


POLES	DIM A	DIM B	POLES	DIM A	DIM B
2	5.58	2.54	21	53.84	50.80
3	8.12	5.08	22	56.38	53.34
4	10.66	7.62	23	58.92	55.88
5	13.20	10.16	24	61.46	58.42
6	15.74	12.70	25	64.00	60.96
7	18.28	15.24	26	66.54	63.50
8	20.82	17.78	27	69.08	66.04
9	23.36	20.32	28	71.62	68.58
10	25.90	22.86	29	74.16	71.12
11	28.44	25.40	30	76.70	73.66
12	30.98	27.94	31	79.24	76.20
13	33.52	30.48	32	81.78	78.74
14	36.06	33.02	33	84.32	81.28
15	38.60	35.56	34	86.86	83.82
16	41.14	38.10	35	89.40	86.36
17	43.68	40.64	36	91.94	88.90
18	46.22	43.18	37	94.48	91.44
19	48.76	45.72	38	97.02	93.98
20	51.30	48.26	39	99.56	96.52
			40	102.1	99.06

MATERIAL
Insulator : 30% Glass fiber PBT
Contact Pin : Brass

SPECIFICATION
Current Rate : 3 AMP
Insulation Resistance : 5000MΩMin.
Contact Resistance : 20mΩMax.
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C

F-D36-2Xxx



POLES	DIM A	DIM B	POLES	DIM A	DIM B
2X02	5.28	2.54	2X21	53.54	50.80
2X03	7.82	5.08	2X23	58.62	55.88
2X04	10.36	7.62	2X24	61.16	58.42
2X05	12.90	10.16	2X25	63.70	60.96
2X06	15.44	12.70	2X26	66.24	63.50
2X07	17.98	15.24	2X27	68.78	66.04
2X08	20.52	17.78	2X28	71.32	68.58
2X09	23.06	20.32	2X29	73.86	71.12
2X10	25.60	22.86	2X30	76.40	73.66
2X11	28.14	25.40	2X31	78.94	76.20
2X12	30.68	27.94	2X32	81.48	78.74
2X13	33.22	30.48	2X33	84.02	81.28
2X14	35.76	33.02	2X34	86.56	83.82
2X15	38.30	35.56	2X35	89.10	86.36
2X16	40.84	38.10	2X36	91.64	88.90
2X17	43.38	40.64	2X37	94.18	91.44
2X18	45.92	43.18	2X38	96.72	93.98
2X19	48.46	45.72	2X39	99.26	96.52
2X20	51.00	48.26	2X40	101.8	99.06

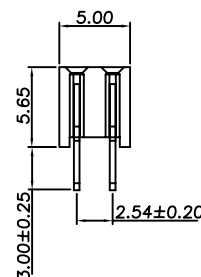
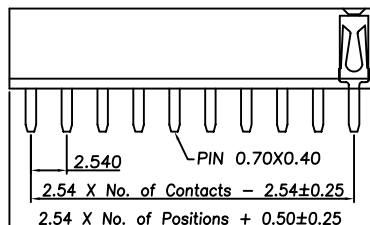
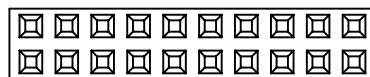
Specifications
Current Rating: 3Amp
Insulation Resistance: 5000MΩ Min.
Dielectric Withstanding: 500VAC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Full Gold, Full Tin, Selective Plated
Insulator Material: Polyester, UL94V-0
PA66

F-D57-2Xxx

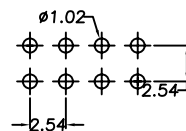


Specifications

Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 P.B.T



Recommended P.C.Board Hole Layout

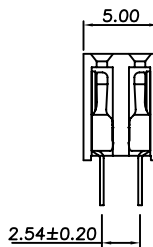
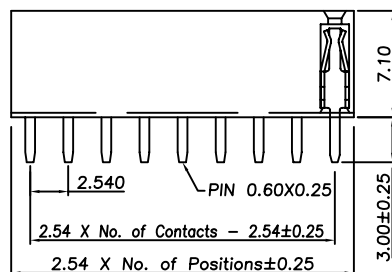
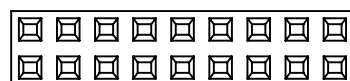


F-D71-2Xxx

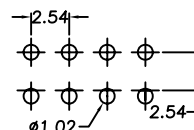


Specifications

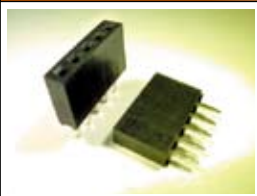
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 P.B.T



Recommended P.C.Board Hole Layout

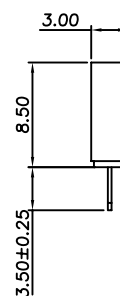
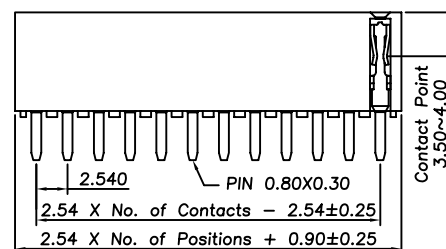
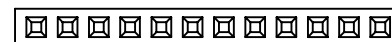


F-D85-1Xxx

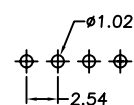


Specifications

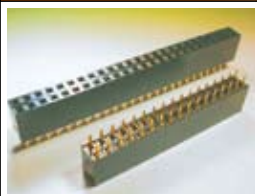
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 P.B.T



Recommended P.C.Board Hole Layout

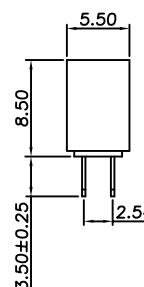
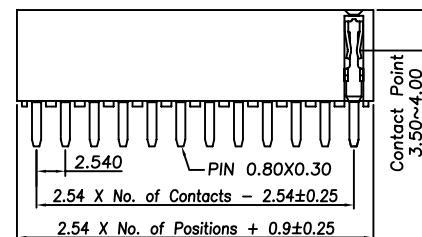
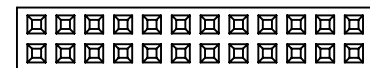


F-D85-2Xxx

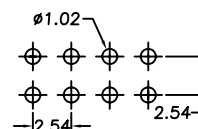


Specifications

Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 P.B.T



Recommended P.C.Board Hole Layout



F-D85W-1Xxx

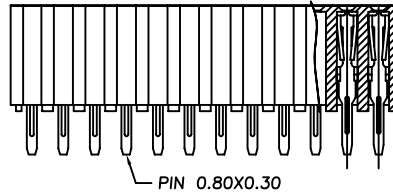
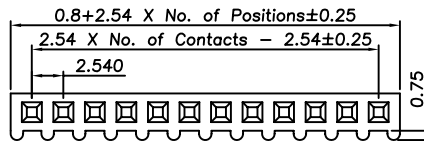


Specifications

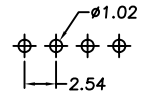
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials

Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 P.B.T



Recommended P.C.Board Hole Layout



F-D85W-2Xxx

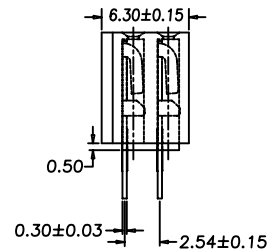
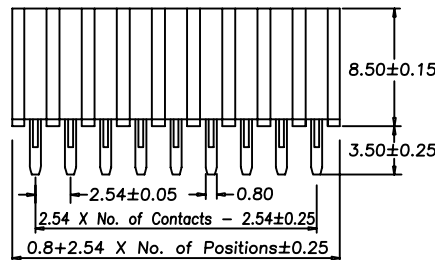
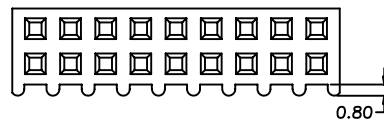


Specifications

Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials

Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 P.B.T



F-D110-2Xxx

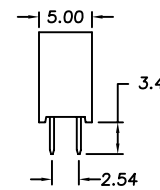
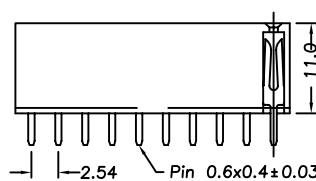
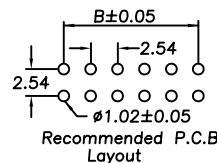
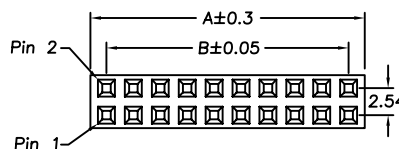


MATERIAL

Insulator : 30% Glass fiber PBT
Contact Pin : Brass

SPECIFICATION

Current Rate : 3 AMP
Insulation Resistance : 5000MΩ Min.
Contact Resistance : 20mΩ Max.
Dielectric Voltage : AC 500V for one minute
Operation Temperature : -40°C to + 105°C



POLES	DIM A	DIM B	POLES	DIM A	DIM B
2X2	5.58	2.54	2X21	53.84	50.80
2X3	8.12	5.08	2X22	56.38	53.34
2X4	10.66	7.62	2X23	58.92	55.88
2X5	13.20	10.16	2X24	61.46	58.42
2X6	15.74	12.70	2X25	64.00	60.96
2X7	18.28	15.24	2X26	66.54	63.50
2X8	20.82	17.78	2X27	69.08	66.04
2X9	23.36	20.32	2X28	71.62	68.58
2X10	25.90	22.86	2X29	74.16	71.12
2X11	28.44	25.40	2X30	76.70	73.66
2X12	30.98	27.94	2X31	79.24	76.20
2X13	33.52	30.48	2X32	81.78	78.74
2X14	36.06	33.02	2X33	84.32	81.28
2X15	38.60	35.56	2X34	86.86	83.82
2X16	41.14	38.10	2X35	89.40	86.36
2X17	43.68	40.64	2X36	91.94	88.90
2X18	46.22	43.18	2X37	94.48	91.44
2X19	48.76	45.72	2X38	97.02	93.98
2X20	51.30	48.26	2X39	99.56	96.52
			2X40	102.1	99.06

F-D-3Xxx

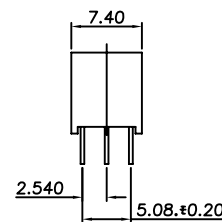
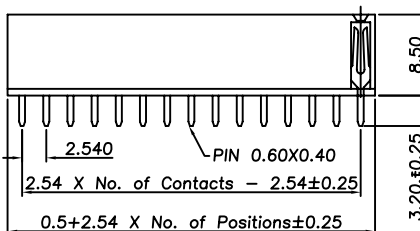


Specifications

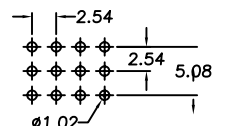
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials

Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 P.B.T



Recommended P.C.Board Hole Layout

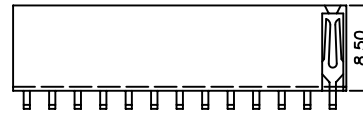
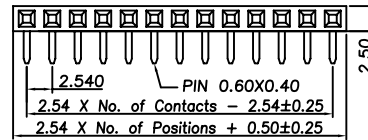


F-R-1Xxx

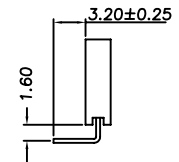
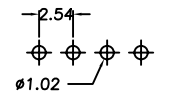


Specifications
 Current Rating: 3Amp
 Insulation Resistance: 1000MΩ Min.
 Dielectric Withstanding: 600V AC/DC
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C

Materials
 Contact Material: Phosphor Bronze
 Insulation Material: Polyester, UL 94V-0
 注: 02-24PIN 塑膠材質用 P.B.T 料生產,
 25-40PIN 塑膠材質用 PA6T+20% 料生產。



Recommended P.C.Board Hole Layout

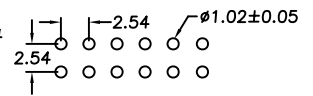
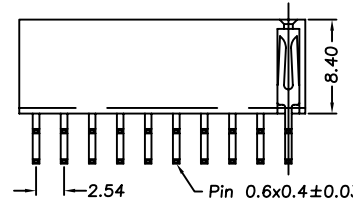
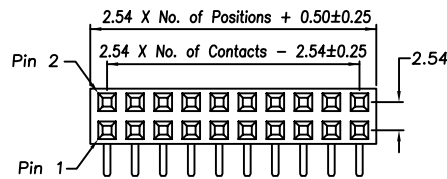


F-R-2Xxx

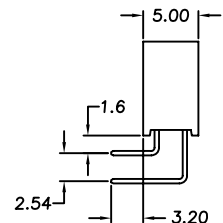


MATERIAL
 Insulator : 30% Glass fiber PBT
 Contact Pin : Brass

SPECIFICATION
 Current Rate : 3 AMP
 Insulation Resistance : 5000MΩ Min.
 Contact Resistance : 20mΩ Max.
 Dielectric Voltage : AC 500V for one minute
 Operation Temperature : -40°C to + 105°C



Recommended P.C.B Layout

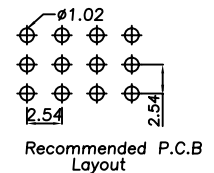
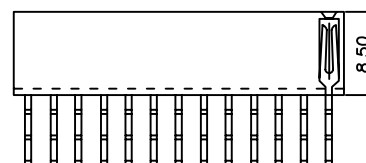
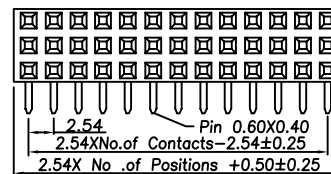


F-R-3Xxx

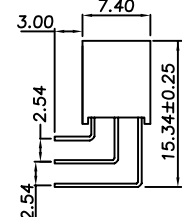


Specifications
 Current Rating: 3Amp
 Insulation Resistance: 1000MΩ Min.
 Dielectric Withstanding: 600VAC
 Contact Resistance: 20mΩ Max.
 Operating Temperature: -40°C to +105°C

Materials
 Contact Material: Full Gold, Full Tin, Selective Plated
 Insulator Material: Polyester, UL94V-0
 Nylon 6T



Recommended P.C.B Layout

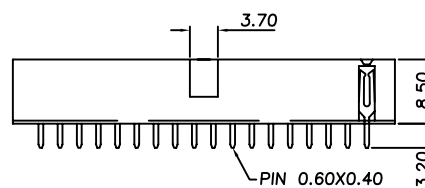
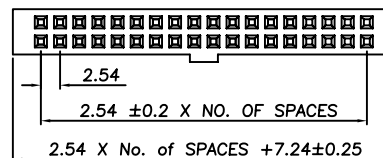


FK-DK-2Xxx

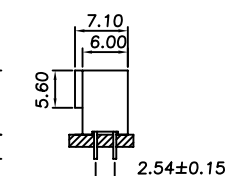
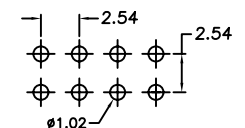


MATERIAL
 Insulator : 30% Glass fiber PBT
 Contact Pin : Brass

SPECIFICATION
 Current Rate : 3 AMP
 Insulation Resistance : 5000MΩ Min.
 Contact Resistance : 20mΩ Max.
 Dielectric Voltage : AC 500V for one minute
 Operation Temperature : -40°C to + 105°C



Recommended P.C.Board Hole Layout

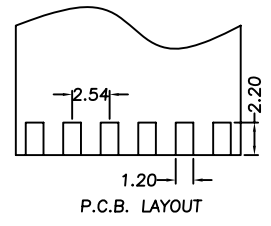
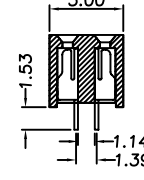
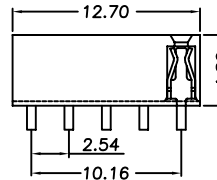
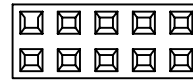


F-E10-2Xxx

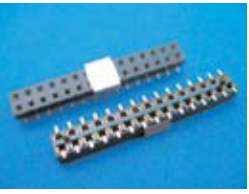


SPECIFICATIONS
CURRENT RATING: 3 AMP
INSULATION RESISTANCE: 1000M OHMS MIN.
DIELECTRIC WITHSTANDING: 600V AC/DC
CONTACT RESISTANCE: 20m OHMS MAX.
OPERATING TEMPERATURE: -25°C ~ +85°C

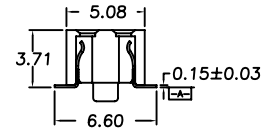
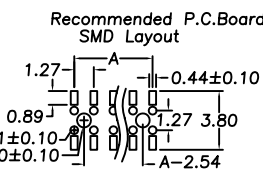
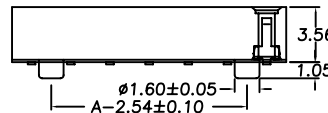
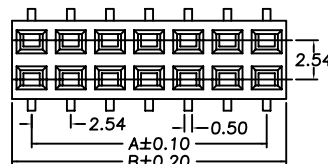
MATERIALS
CONTACT MATERIAL: PHOSPHOR BRONZE
INSULATION MATERIAL: POLYESTER, UL 94V-0
NYLON 6T



F-Z37PC-2Xxx



SPECIFICATIONS
Current Rating: 3 Amps
Insulator resistance: 5000 Megohms min.
Contact resistance: 20 m ohm Max.
Dielectric withstanding: AC 500 V
Operating Temperature: -40° - +105°C
Max Processing Temp: 230° for 30 seconds
Contact Material: Phosphor Bronze.
Insulator Material: Polyester, UL 94V-0
●Standard: L.C.P

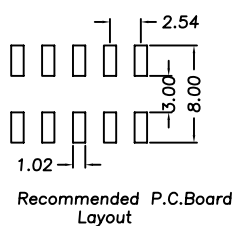
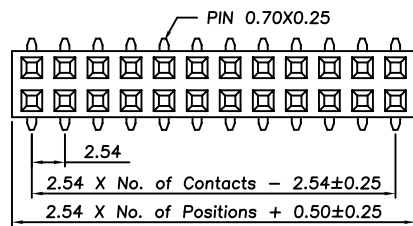
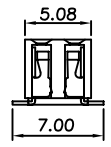
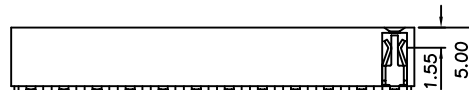


No. of Contacts	DIMENSIONS		No. of Contacts	DIMENSIONS	
	A	B		A	B
2X2	2.54	5.08	2X22	53.34	55.86
2X3	5.08	7.62	2X23	55.88	58.42
2X4	7.62	10.16	2X24	58.42	60.96
2X5	10.16	12.70	2X25	60.96	63.50
2X6	12.70	15.24	2X26	63.50	66.04
2X7	15.24	17.78	2X27	66.04	68.58
2X8	17.78	20.32	2X28	68.58	71.12
2X9	20.32	22.86	2X29	71.12	73.66
2X10	22.86	25.40	2X30	73.66	76.20
2X11	25.40	27.94	2X31	76.20	78.74
2X12	27.94	30.48	2X32	78.74	81.28
2X13	30.48	33.02	2X33	81.28	83.82
2X14	33.02	35.56	2X34	83.82	86.36
2X15	35.56	38.10	2X35	86.36	88.90
2X16	38.10	40.64	2X36	88.90	91.44
2X17	40.64	43.18	2X37	91.44	93.98
2X18	43.18	45.72	2X38	93.98	96.52
2X19	45.72	48.26	2X39	96.52	99.06
2X20	48.26	50.80	2X40	99.06	101.60
2X21	50.80	53.34			

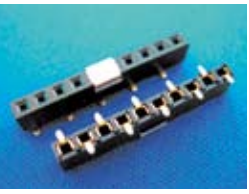
F-V50X-2Xxx



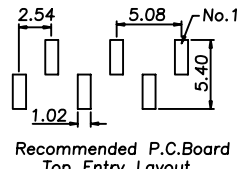
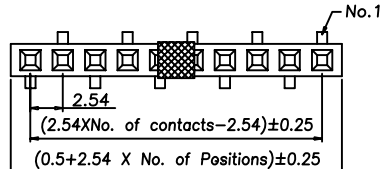
Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T



F-V50XC-1XxxL

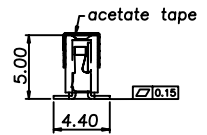
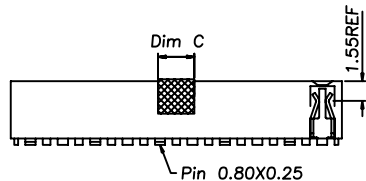


Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C



Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T

Notes	Dim C
03~25Pins	5.10mm
26~40Pins	10mm

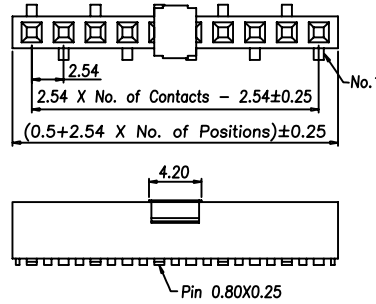


F-V50XC-1XxxR

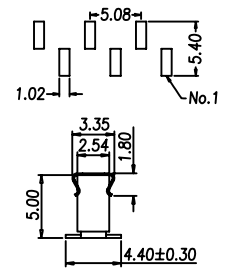


Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T



Recommended P.C.Board
Top Entry Layout



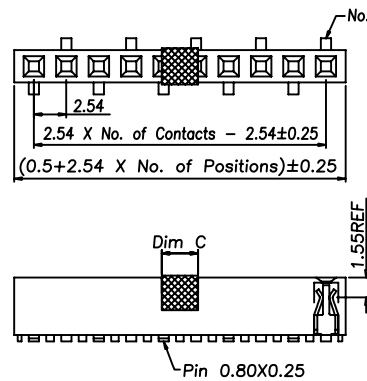
F-Z50XC-1XxxL



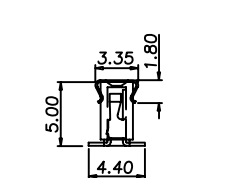
Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T

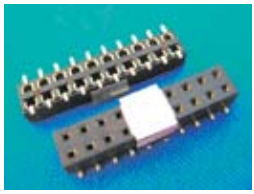
Notes	Dim C
03~25Pins	5.10mm
26~40Pins	10mm



Recommended P.C.Board
Top Entry Layout

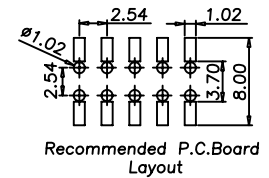
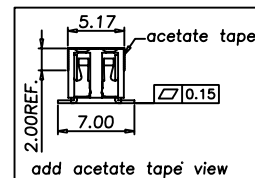
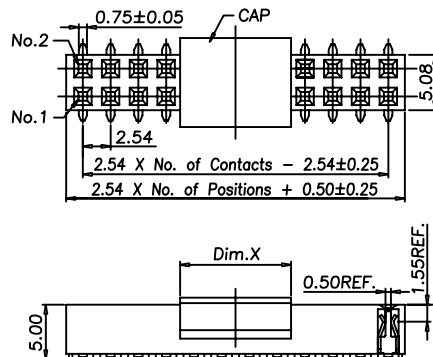


F-Z50XC-2Xxx



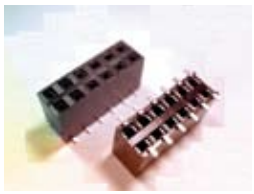
Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0
Nylon 6T & Lcp



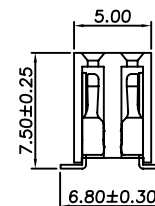
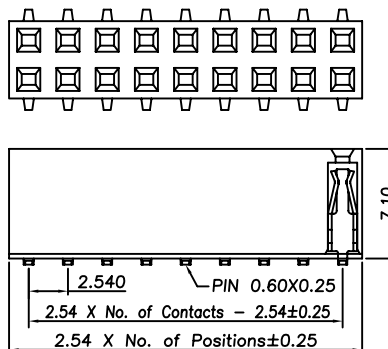
Name	Dim.X	Note
acetate tape	5.00mm	02~25pins
	10.00mm	26~40pins
CAP	4.00mm	02~08pins
	10.15mm	09~40pins

F-V75X-2Xxx

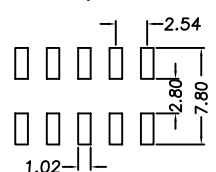


Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C

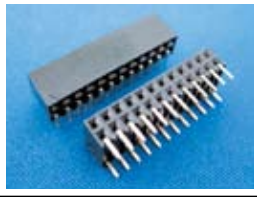
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 Nylon 6T



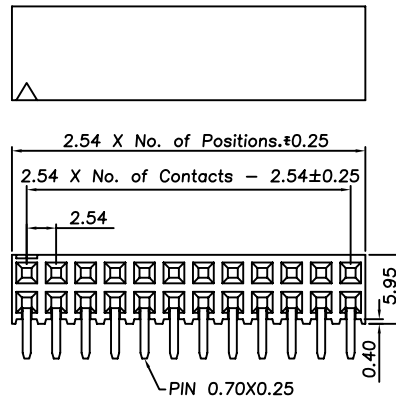
Recommended P.C.Board
Layout



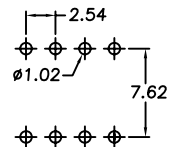
F-S-2Xxx



Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 P.B.T



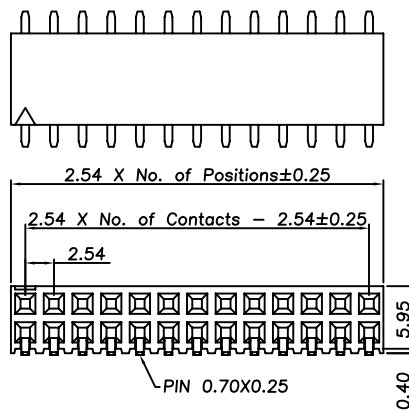
Recommended P.C.Board Hole Layout



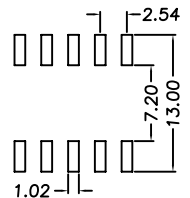
F-MX-2Xxx



Specifications
Current Rating: 3Amp
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 600V AC/DC
Contact Resistance: 20mΩ Max.
Operating Temperature: -40°C to +105°C
Materials
Contact Material: Phosphor Bronze
Insulation Material: Polyester, UL 94V-0 Nylon 6T



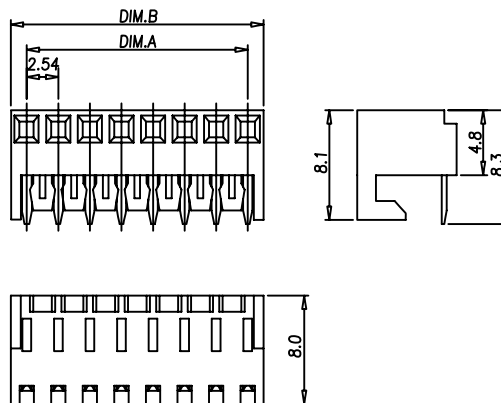
Recommended P.C.Board Layout



MX-S-xx



Specifications
Current Rating: 2.5A max.
Insulation Resistance: 500MΩ Min.
Dielectric Withstanding: 1500V AC
Contact Resistance: 20mΩ Max.
Operating Temperature: 0°C to +75°C
Materials
Contact Material: Phosphor Bronze
Housing: Nylon UL 94V-0

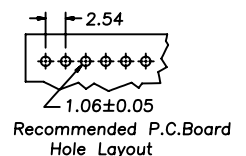
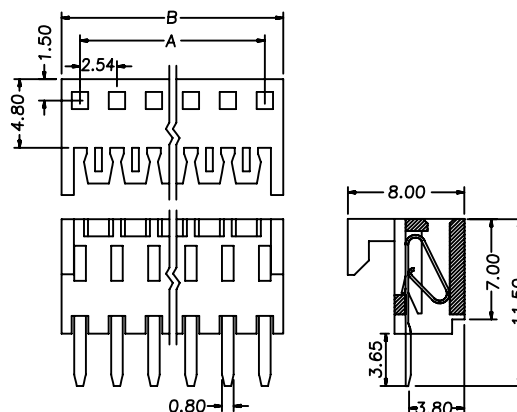


POLES	Dimension	POLES	Dimension
	A B		A B
02	2.54 5.10	16	38.10 40.66
03	5.08 7.64	17	40.64 43.20
04	7.62 10.18	18	43.18 45.74
05	10.16 12.72	19	45.72 48.28
06	12.70 15.26	20	48.26 50.82
07	15.24 17.80	21	50.80 53.36
08	17.78 20.34	22	53.34 55.90
09	20.32 22.88	23	55.88 58.44
10	22.86 25.42	24	58.42 60.98
11	25.40 27.96	25	60.96 63.52
12	27.94 30.50	26	63.50 66.06
13	30.48 33.04	27	66.04 68.60
14	33.02 35.58	28	68.58 71.14
15	35.56 38.12	29	71.12 73.68

MX-T-xx



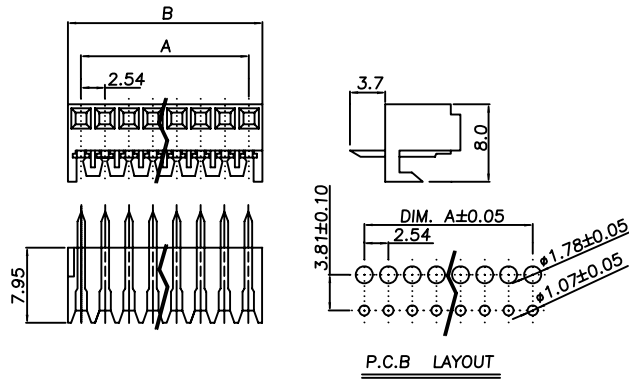
Specifications
Current Rating: 2.5A max.
Insulation Resistance: 500MΩ Min.
Dielectric Withstanding: 1500V AC
Contact Resistance: 20mΩ Max.
Operating Temperature: 0°C to +75°C
Materials
Contact Material: Phosphor Bronze
Housing: Nylon UL 94V-0



MX-B-xx



Specifications
Current Rating: 3A AC,DC
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 1500V AC
Contact Resistance: 20mΩ Max.
Operating Temperature: 25°C to +85°C
Materials
Contact Material: Phosphor Bronze
Housing: Nylon UL 94V-2

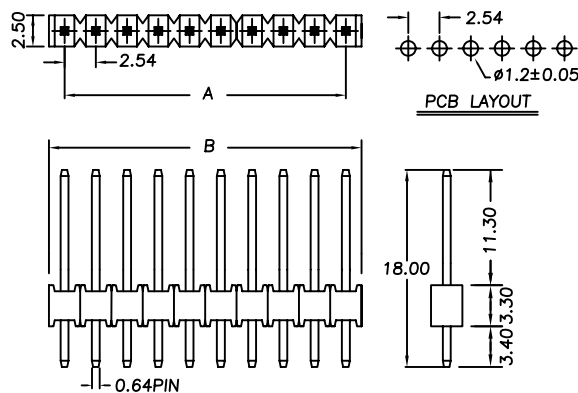


POLES	Dimension		POLES	Dimension	
	A	B		A	B
02	2.54	5.10	16	38.10	40.66
03	5.08	7.64	17	40.64	43.20
04	7.62	10.18	18	43.18	45.74
05	10.16	12.72	19	45.72	48.28
06	12.70	15.26	20	48.26	50.82
07	15.24	17.80	21	50.80	53.36
08	17.78	20.34	22	53.34	55.90
09	20.32	22.88	23	55.88	58.44
10	22.86	25.42	24	58.42	60.98
11	25.40	27.96	25	60.96	63.52
12	27.94	30.50	26	63.50	66.06
13	30.48	33.04	27	66.04	68.60
14	33.02	35.58	28	68.58	71.14
15	35.56	38.12	29	71.12	73.68

MX-DL-xx



SPECIFICATIONS
Pitch: 2.54mm
Current rating : 3A AC,DC
Voltage rating : 250V AC,DC
Temperature range:-25 C ~+85 C
Insulation resistance : 1000M
Withstanding voltage : 1000V ac



Poles	Dimension	
	A	B
2	2.54	5.08
3	5.08	7.62
4	7.62	10.16
5	10.16	12.70
6	12.70	15.24
7	15.24	17.78
8	17.78	20.32
9	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80

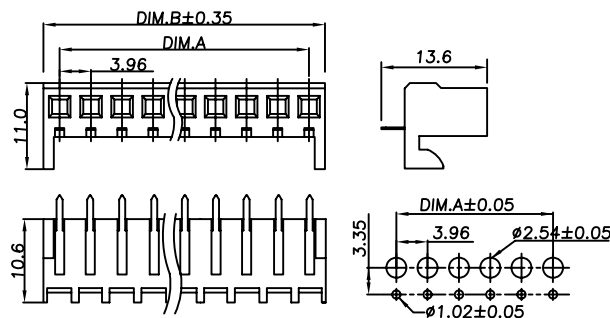
3.96mm Board to Board Connectors

KX-B-xx



Materials
Contact Material: Bronze
Housing: Nylon UL 94V-2

Specifications
Current Rating: 5A max.
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding Voltage: 1500V AC
Contact Resistance: 10mΩ Max.
Operating Temperature: 40°C to +105°C

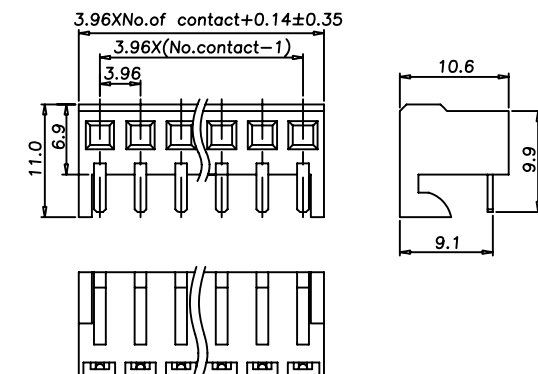


NO.OF CONTACT	Dimension		NO.OF CONTACT	Dimension	
	A	B		A	B
02	3.96	8.06	10	35.64	39.74
03	7.92	12.02	11	39.60	43.70
04	11.88	15.98	12	43.56	47.66
05	15.84	19.94	13	47.52	51.62
06	19.80	23.90	14	51.48	55.58
07	23.76	27.86	15	55.44	59.54
08	27.72	31.82	16	59.40	63.50
09	31.68	35.78			

KX-S-xx



Specifications
Current Rating: 5A max.
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding Voltage: 1500V AC
Contact Resistance: 10mΩ Max.
Operating Temperature: 40°C to +105°C
Materials
Contact Material: Bronze
Housing: Nylon66 UL 94V-2

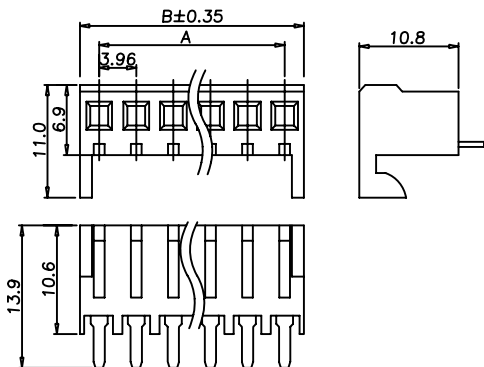


KX-T-xx



Specifications

Current Rating: 5A max.
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding: 1500V AC
Dielectric Withstanding Voltage: 1500V AC
Contact Resistance: 10mΩ Max.
Operating Temperature: 40°C to +105°C
Materials
Contact Material: Bronze
Housing: Nylon66 UL 94V-2



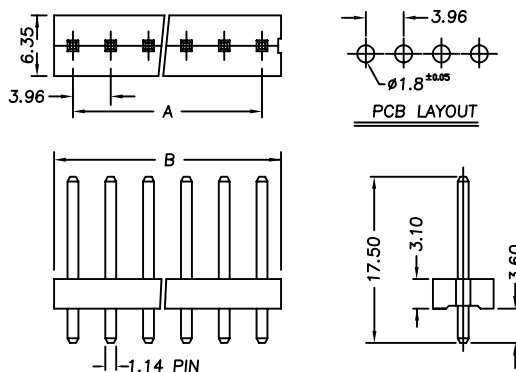
NO.OF CONTACT	Dimension		NO.OF CONTACT	Dimension	
	A	B		A	B
02	3.96	8.06	10	35.64	39.74
03	7.92	12.02	11	39.60	43.70
04	11.88	15.98	12	43.56	47.66
05	15.84	19.94	13	47.52	51.62
06	19.80	23.90	14	51.48	55.58
07	23.76	27.86	15	55.44	59.54
08	27.72	31.82	16	59.40	63.50
09	31.68	35.78			

KX-D-xx



SPECIFICATIONS

Current Rating: 5A AC, DC
Voltage Rating: 250V AC, DC
Operating Temp.: -25°C ~ +85°C
Material
Insulation Resistance: 1000MOHM/ min.
Dielectric Withstanding Voltage: 1500V AC/ min.
Contact Resistance: 10MOHM/ max.
Material: Nylon66, UL94V-2



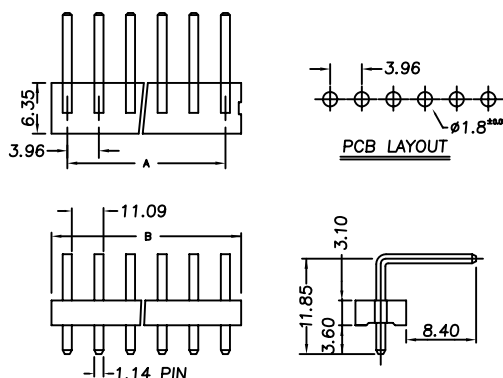
Poles	Dimension	
	A	B
2	3.96	8.00
3	7.92	12.00
4	11.88	15.90
5	15.84	20.00
6	19.80	24.00
7	23.76	27.90
8	27.72	31.90
9	31.68	35.80
10	35.64	39.90
11	39.60	43.90
12	43.56	47.80
13	47.52	51.80
14	51.48	55.70
15	55.44	59.80
16	59.40	63.80
17	63.36	67.70
18	67.32	71.70
19	71.28	75.60
20	75.24	79.80

KX-R-xx



SPECIFICATIONS

Current Rating: 5A AC, DC
Voltage Rating: 250V AC, DC
Operating Temp.: -25°C ~ +85°C
Material
Insulation Resistance: 1000MOHM/ min.
Dielectric Withstanding Voltage: 1500V AC/ min.
Contact Resistance: 10MOHM/ max.
Material: Nylon66, UL94V-2



Poles	Dimension	
	A	B
2	3.96	8.00
3	7.92	12.00
4	11.88	15.90
5	15.84	20.00
6	19.80	24.00
7	23.76	27.90
8	27.72	31.90
9	31.68	35.80
10	35.64	39.90
11	39.60	43.90
12	43.56	47.80
13	47.52	51.80
14	51.48	55.70
15	55.44	59.80
16	59.40	63.80
17	63.36	67.70
18	67.32	71.70
19	71.28	75.60
20	75.24	79.80

5.08mm Board to Board Connectors

LKX-B-xx

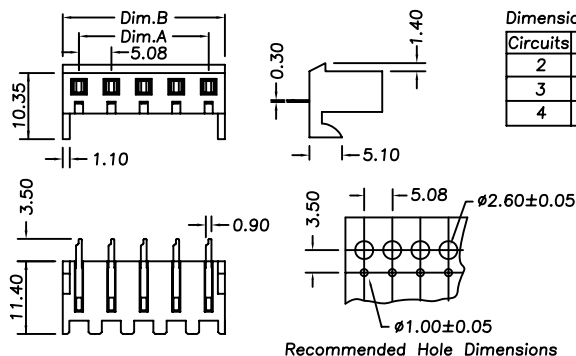


FEATURES:

- 2-20 Circuits
- Housing, UL 94V-2 Nylon 6/6, Natural
- Designed for parallel and perpendicular board

SPECIFICATIONS:

- Current rating: 7A AC, DC
- Voltage rating: 250V AC, Maximum
- Temperature range: -40°C ~ +105°C
- Contact resistance: Initial Value/10mΩ max.
- After environmental testing/20mΩ max.
- Insulation resistance: 5000 MΩ min
- Withstand Voltage: 1500V AC/minute
- Applicable PC board thickness: .063" [1.6mm]



Circuits	Dimensional	
	Dim.A	Dim.B
2	5.08	10.16
3	10.16	15.24
4	15.24	20.32

LKX-S-xx



FEATURES:

- 2-20 Circuits
- Housing, UL 94V-2 Nylon 6/6, Natural
- Designed for parallel and perpendicular board

SPECIFICATIONS:

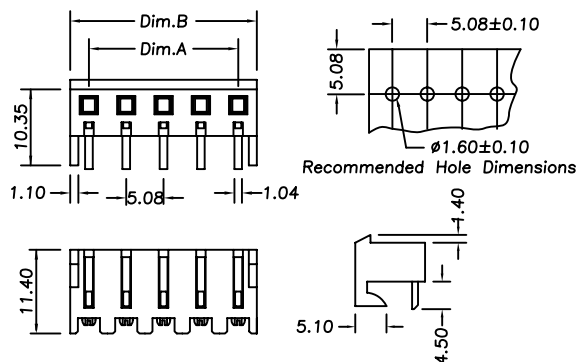
- Current rating: 7A AC, DC
- Voltage rating: 250V AC, Maximum
- Temperature range: -40°C ~ +105°C
- Contact resistance: Initial Value/10mΩ max.
After environmental testing /20mΩ max.
- Insulation resistance: 5000 MΩ min
- Withstand Voltage: 1500V AC/minute
- Applicable PC board thickness: .063" [1.6mm]

Dimensional Information

Circuits	Dim.A	Dim.B	Circuits	Dim.A	Dim.B	Circuits	Dim.A	Dim.B
2	5.08	10.16	3	10.16	15.24	4	15.24	20.32

LKX Series

* FOR CIRCUIT SIZES 4 THROUGH 20 ADD .200" OR 5.08MM FOR EACH ADDITIONAL PIN.



LKX-T-xx



FEATURES:

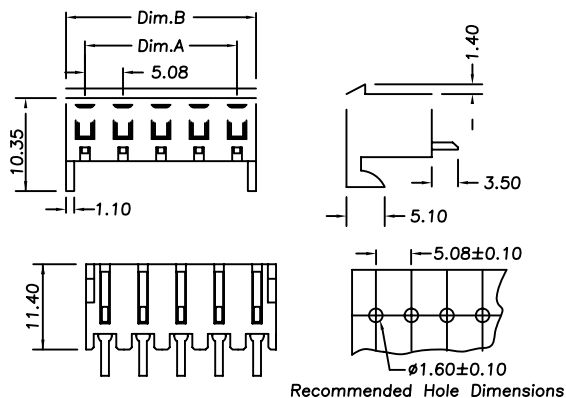
- 2-20 Circuits
- Housing, UL 94V-2 Nylon 6/6, Natural
- Designed for parallel and perpendicular board

SPECIFICATIONS:

- Current rating: 7A AC, DC
- Voltage rating: 250V AC, Maximum
- Temperature range: -40°C ~ +105°C
- Contact resistance: Initial Value/10mΩ max.
After environmental testing /20mΩ max.
- Insulation resistance: 5000 MΩ min
- Withstand Voltage: 1500V AC/minute
- Applicable PC board thickness: .063" [1.6mm]

Dimensional Information

Circuits	Dim.A	Dim.B
2	5.08	10.16
3	10.16	15.24
4	15.24	20.32



LKX-D-xx



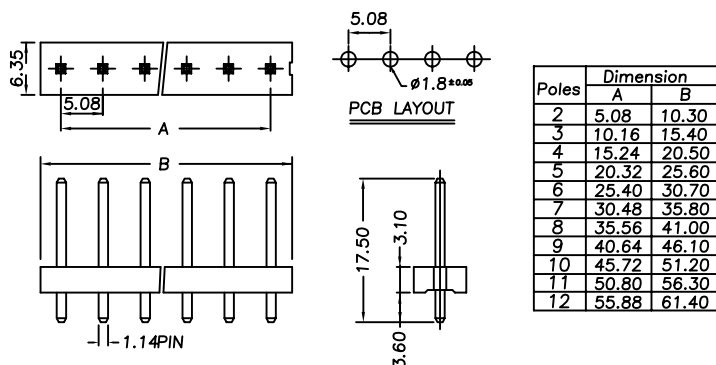
SPECIFICATIONS

Electrical

- Current Rating: 5A AC, DC
- Voltage Rating: 250V AC, DC
- Operating Temp.: -25°C ~ +85°C
- Insulation Resistance: 1000M OHM/ min.
- Dielectric Withstanding Voltage: 1500V AC/ min.
- Contact Resistance: 10m ohm/ max.

Material

Material: Nylon66, UL94V-2



LKX-R-xx



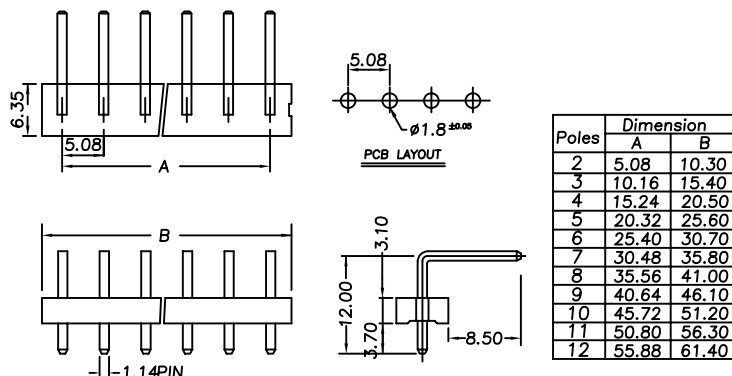
SPECIFICATIONS

Electrical

- Current Rating: 5A AC, DC
- Voltage Rating: 250V AC, DC
- Operating Temp.: -25°C ~ +85°C
- Insulation Resistance: 1000M OHM/ min.
- Dielectric Withstanding Voltage: 1500V AC/ min.
- Contact Resistance: 10m ohm/ max.

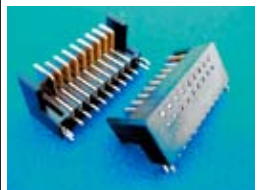
Material

Material: Nylon66, UL94V-2



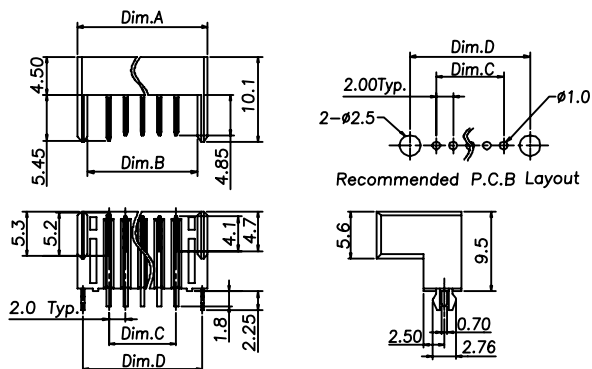
Battery Connectors

BCT20-PR095Z-xx



Notes:
1.Material:
Housing:Thermoplastic UL 94V-0,Black
Contact: 5u" min, gold on mating area.
80u" min. Tin/Lead on solder tail
Both over 50u" min Ni under-plated overall
Forklock: 80u" min Tin/Lead over 50u" min, ni.
under0-plated overall.
Recommended P.C.B thickness=1.0~1.2mm

Poles	Dim.A	Dim.B	Dim.C	Dim.D
5	15.50	13.00	8.00	14.25
6	17.50	15.00	10.00	16.25
7	19.50	17.00	12.00	18.25
8	21.50	19.00	14.00	20.25
9	23.50	21.00	16.00	22.25
10	25.50	23.00	18.00	24.25

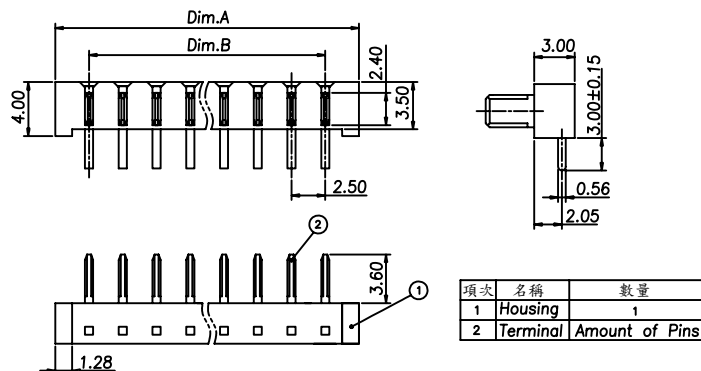


BCC25-PR40-xx



Notes:
1.Housing: Nylon 9T+30% GF.,UL 94V-0 Black
2.Terminal: C2680-H H:0.06±0.02mm

Dimension	Poles	Dim.A	Dim.B
03	10.00	5.00	
04	12.50	7.50	
05	15.00	10.00	
06	17.50	12.50	
07	20.00	15.00	
08	22.50	17.50	
09	25.00	20.00	
10	27.50	22.50	

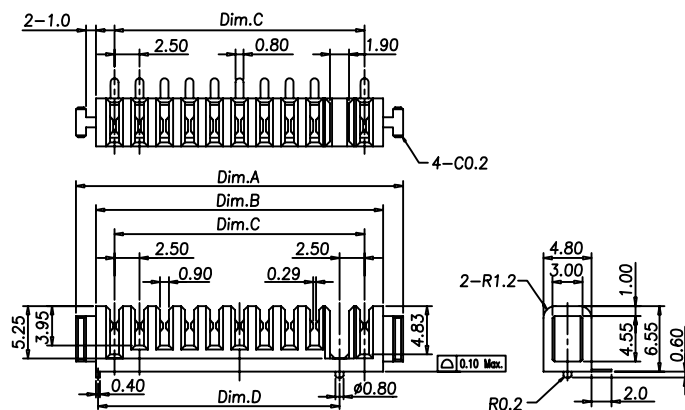


BCC25-SV65R2P-xx



Notes:
1.Housing: Nylon 9T+30% GF.,UL 94V-0 Black
2.Terminal: C5191-H H:0.2±0.01mm

Dimension	Poles	Dim.A	Dim.B	Dim.C	Dim.D
04	17.70	13.70	10.00	9.15	
05	20.20	16.20	12.50	11.65	
06	22.70	18.70	15.00	14.15	
07	25.20	21.20	17.50	16.65	
08	27.70	23.70	20.00	19.15	
09	30.20	26.20	22.50	21.65	
10	32.70	28.70	25.00	24.15	

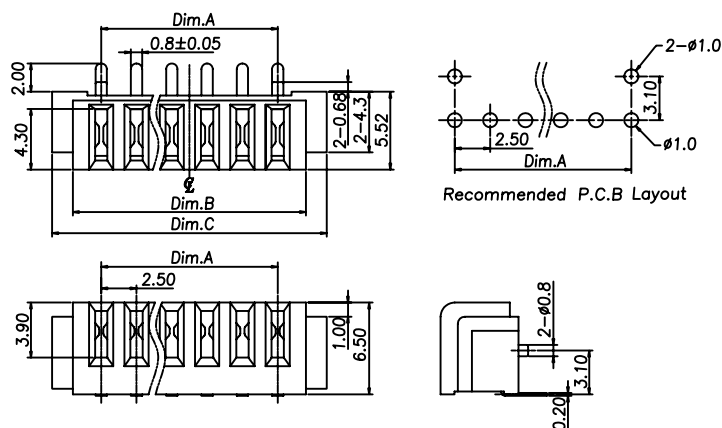


BCC25-SR20P-xx



Notes:
1.Housing: Thermoplastic 94V-0
2.Terminal: Copper Alloy

Dimension	Poles	Dim.A	Dim.B	Dim.C
03	5.00	9.00	11.95	
04	7.50	11.50	14.45	
05	10.00	14.00	16.95	
06	12.50	16.50	19.45	
07	15.00	19.00	21.95	
08	17.50	21.50	24.45	
09	20.00	24.00	26.95	
10	22.50	26.50	29.45	
11	25.00	29.00	31.95	

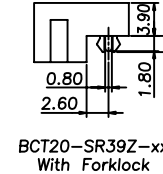
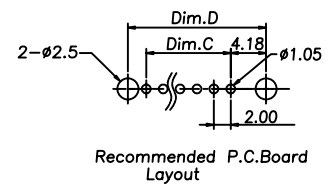
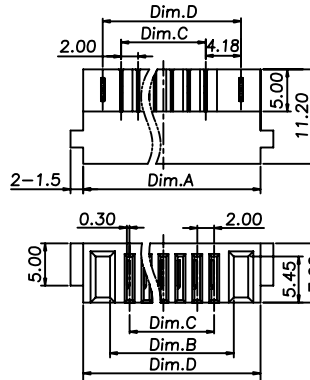


BCT20-SR39Z-xx

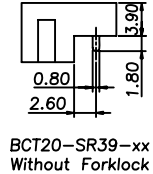


Notes:
1.Housing: Thermoplastic 94V-0
2.Terminal: Copper Alloy

Poles	Dim.A	Dim.B	Dim.C	Dim.D
3	15.00	8.65	4.00	10.35
4	17.00	10.65	6.00	12.35
5	19.00	12.65	8.00	14.35
6	21.00	14.65	10.00	16.35
7	23.00	16.65	12.00	18.35
8	25.00	18.65	14.00	20.35



BCT20-SR39Z-xx
With Forklock

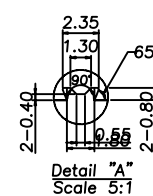
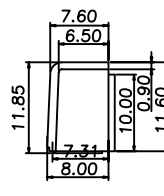
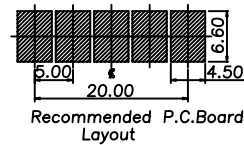
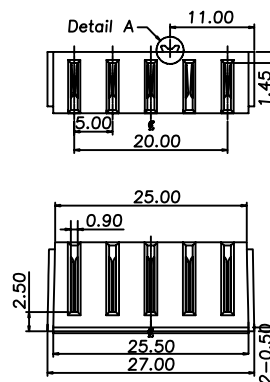


BCT20-SR39Z-xx
Without Forklock

BCC50-SV118-05



Notes:
1.Housing: Thermoplastic UL 94V-0 Black
2.Terminal: Copper Alloy



Detail "A"
Scale 5:1

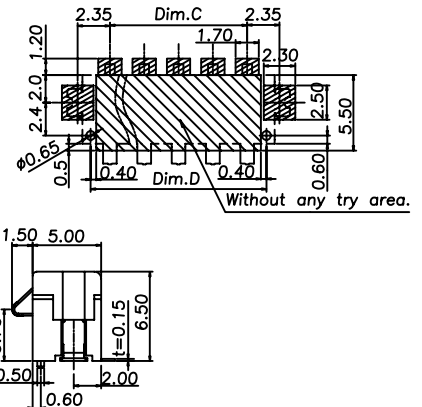
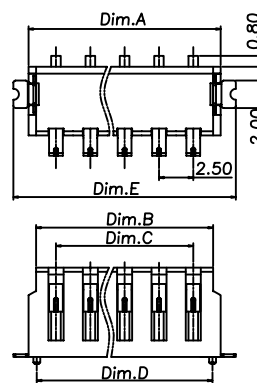
BCS25-W65P-xx



Notes:
1.Housing: Thermoplastic UL 94V-0 Black
2.Terminal: Copper Alloy

Dimension

Poles	Dim.A	Dim.B	Dim.C	Dim.D	Dim.E
3	9.00	7.90	5.00	7.80	11.20
4	11.50	10.40	7.50	10.30	13.70
5	14.00	12.90	10.00	12.80	16.20
6	16.50	15.40	12.50	15.30	18.70
7	19.00	17.90	15.00	17.80	21.20
8	21.50	20.40	17.50	20.30	23.70

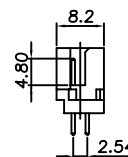
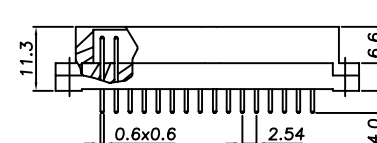
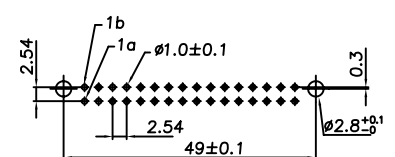
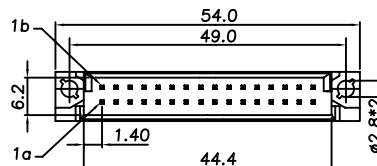


DIN 41612 Connectors

UB-PD-2X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Brass (Male)
Phosphor Bronze (Female)



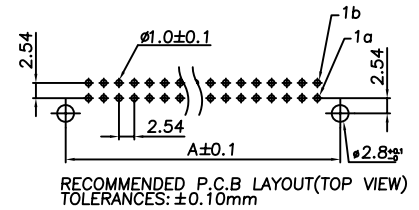
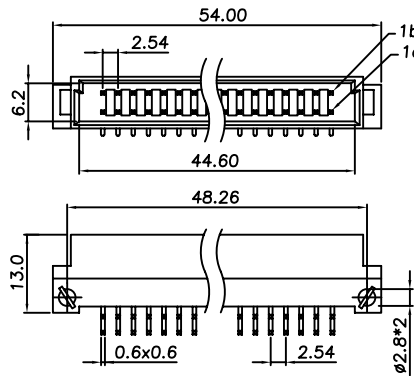
ELECTRICAL

Operation voltage: 250 VAC max.
Current rating: 1 Amps max.
Contact resistance: 20 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C

UB-PR-2X16



SPECIFICATION
MATERIAL
Insulator: PBT & glass fiber
Contacts: Brass Gold plated



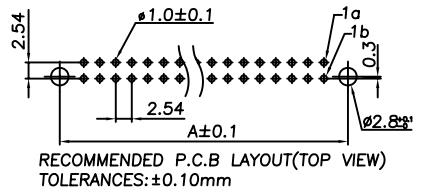
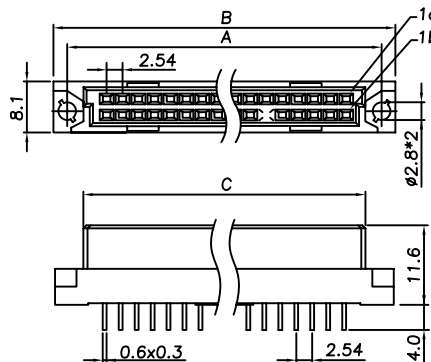
ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55 °C TO +125 °C

UB-SD-2X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze



NOTE:

PART NO.	A	B	C
UB-SD-2X32	90	95	85
UB-SD-2X16	50	54	44

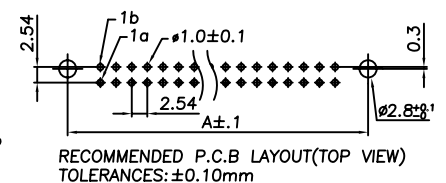
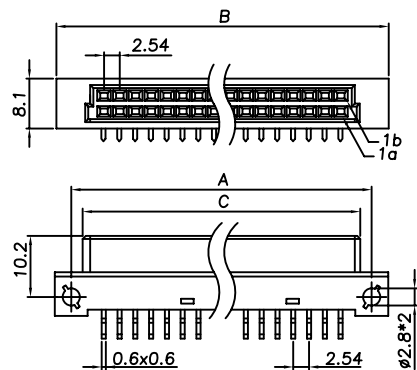
ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55 °C TO +125 °C

UB-SR-2X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze



NOTE:

POSITION	A	B	C
UB-SR-2X32	88.90	94	85.0
UB-SR-2X16	48.20	53	44.4

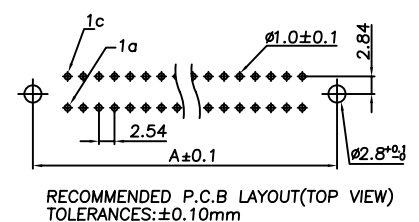
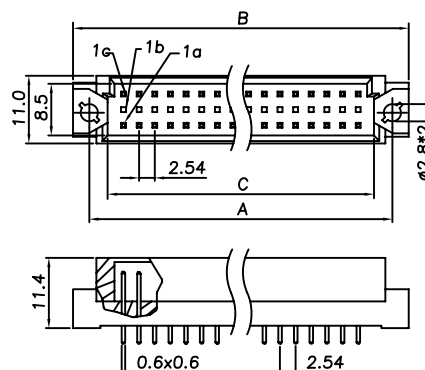
ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55 °C TO +125 °C

UC-PD-2X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze



NOTE:

PART NO.	A	B	C
UC-PD-2X32	90.0	95.0	85.5
UC-PD-2X16	50.0	53.5	44.6

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55 °C TO +125 °C

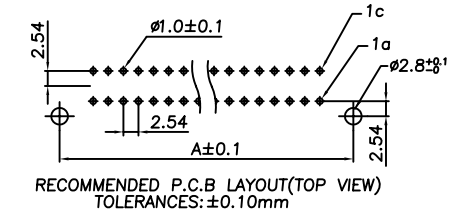
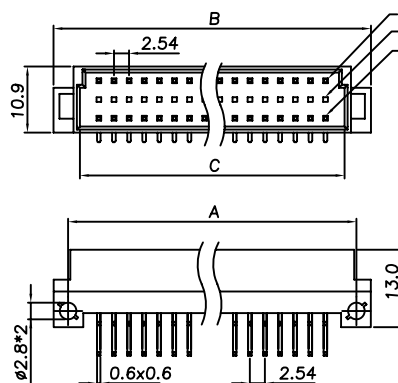
UC-PR-2X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



NOTE:

PART NO.	A	B	C
UC-PR-2X32	88.90	94	85.5
UC-PR-2X16	48.26	54	44.6

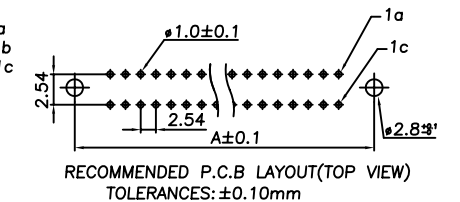
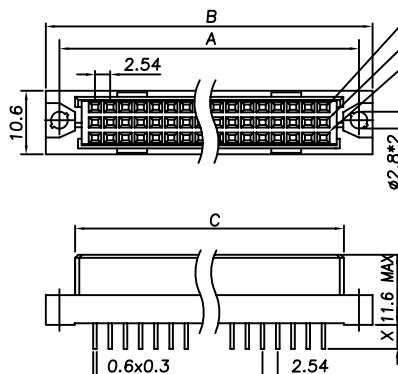
UC-SD-2X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



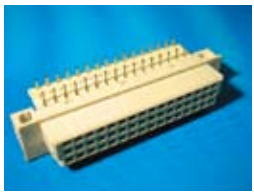
CONTACT LENGTH Δ DIM. FOR "X":

	A	B	C
A	2.5mm		
B	4.0mm		
C	13.0mm		
D	17.0mm		

NOTE:

PART NO.	A	B	C
UC-SD-2X32	90.00	95.0	85.0
UC-SD-2X16	50.00	55.0	44.4

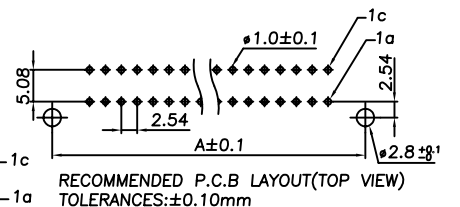
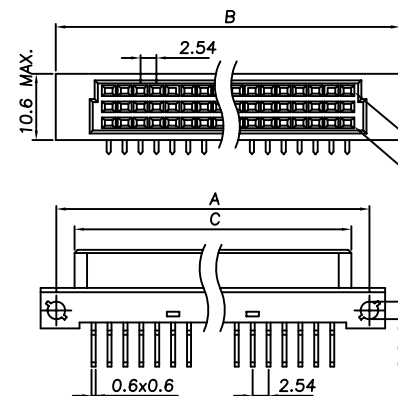
UC-SR-2X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



NOTE:

PART NO.	A	B	C
UC-SR-2X32	88.90	94	85.0
UC-SR-2X16	48.26	54	44.4

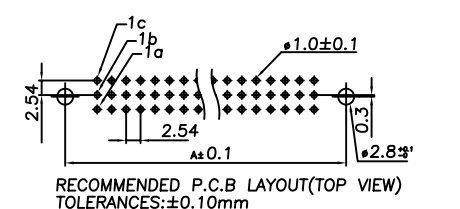
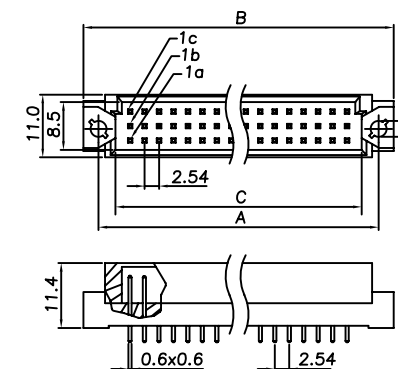
UC-PD-3X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



DIMENSION OF "X"

A	2.5mm
B	4.0mm
C	13.0mm
D	17.0mm

NOTE:

PART NO.	A	B	C
UC-PD-3X32	90.00	95	85.5
UC-PD-3X16	50.00	53.5	44.6

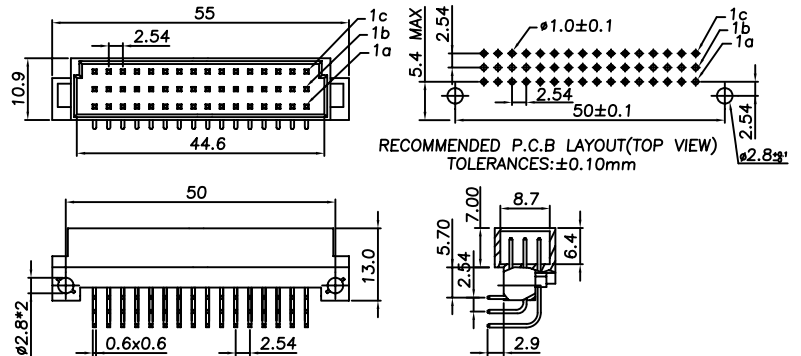
UC-PR-3X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



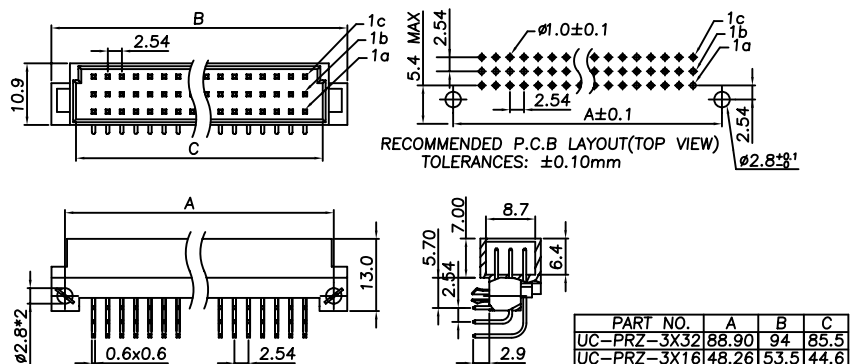
UC-PRZ-3X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



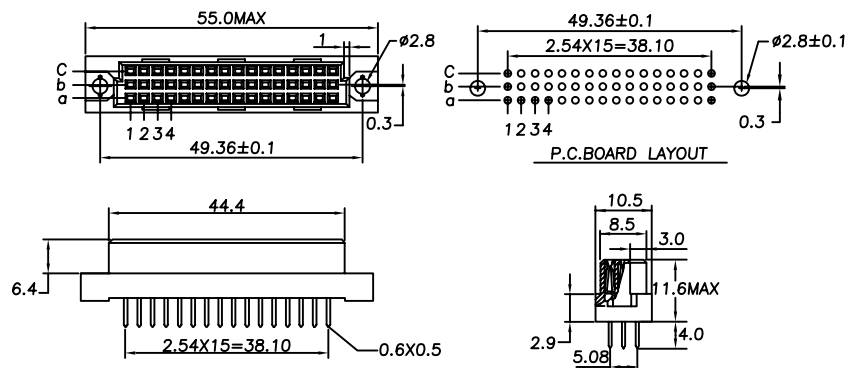
UC-SD-3X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



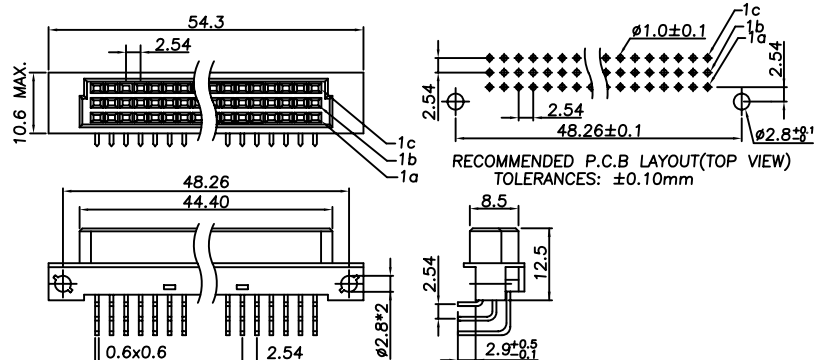
UC-SR-3X16



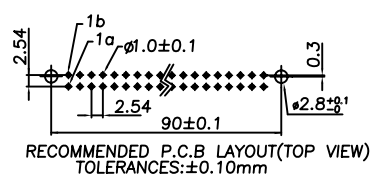
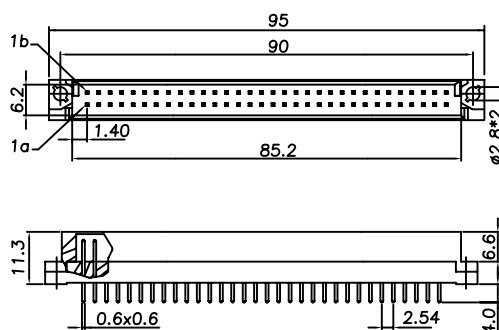
SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C

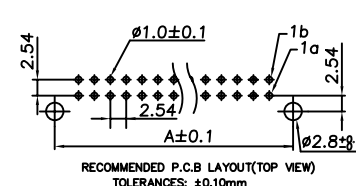
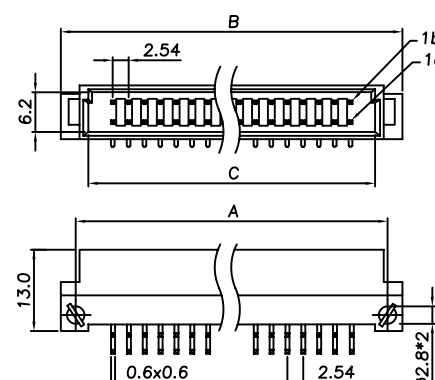


MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze



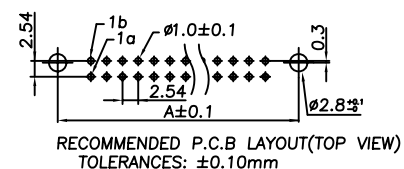
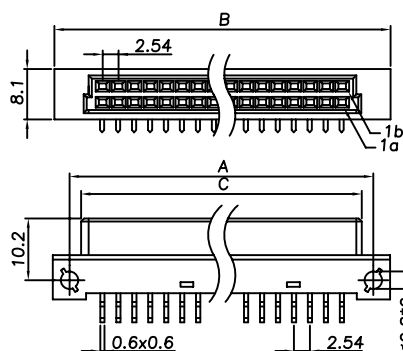
Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C

MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze



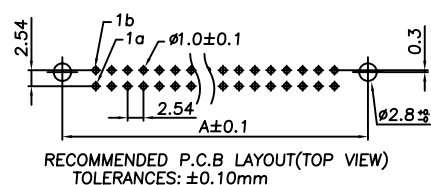
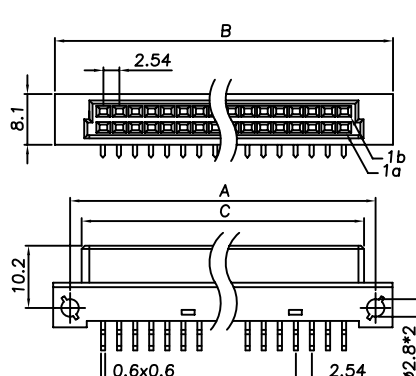
Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C

MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze



Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C

MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze



Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C

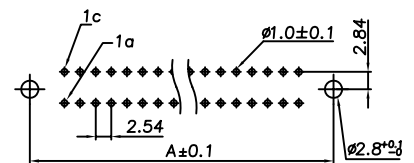
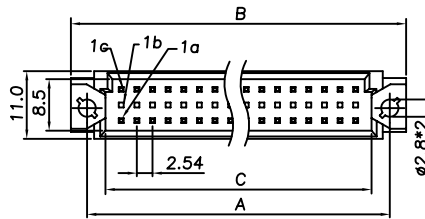
UC-PD-2X32



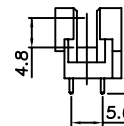
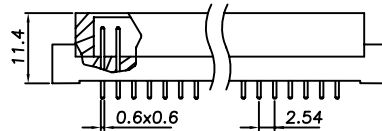
SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



RECOMMENDED P.C.B LAYOUT(TOP VIEW)
TOLERANCES: ±0.10mm



NOTE:

PART NO.	A	B	C
UC-PD-2X32	90.0	95.0	85.5
UC-PD-2X16	50.0	53.5	44.6

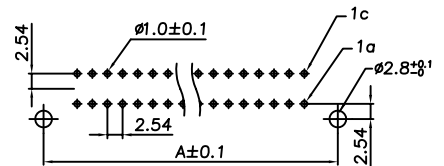
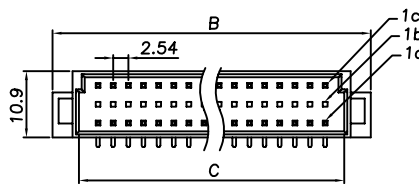
UC-PR-2X32



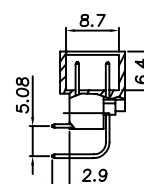
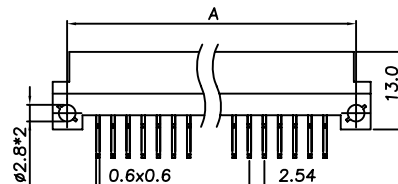
SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



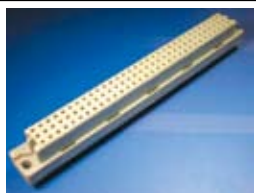
RECOMMENDED P.C.B LAYOUT(TOP VIEW)
TOLERANCES: ±0.10mm



NOTE:

PART NO.	A	B	C
UC-PR-2X32	88.90	94	85.5
UC-PR-2X16	48.26	54	44.6

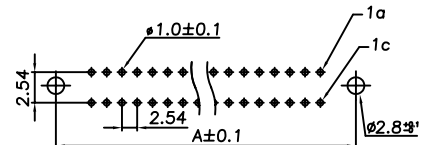
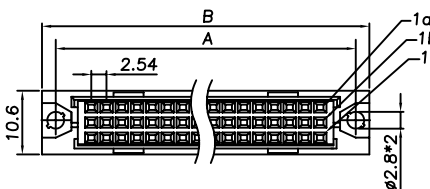
UC-SD-2X32



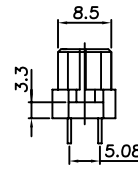
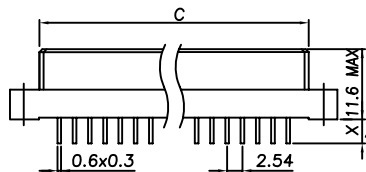
SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



RECOMMENDED P.C.B LAYOUT(TOP VIEW)
TOLERANCES: ±0.10mm



CONTACT LENGTH Δ DIM. FOR "X":	A	B	C
A	2.5mm		
B	4.0mm		
C	13.0mm		
D	17.0mm		

NOTE:

PART NO.	A	B	C
UC-SD-2X32	90.00	95.0	85.0
UC-SD-2X16	50.00	55.0	44.4

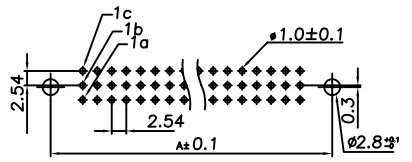
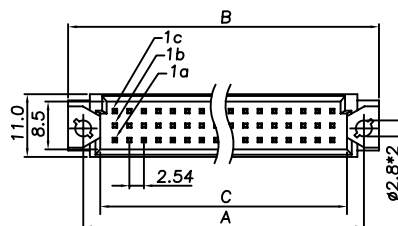
UC-PD-3X32



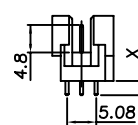
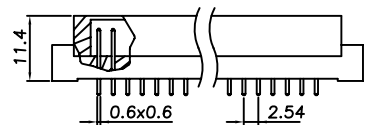
SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



RECOMMENDED P.C.B LAYOUT(TOP VIEW)
TOLERANCES: ±0.10mm

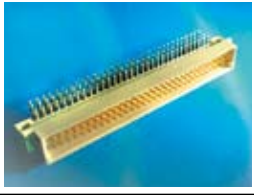


DIMENSION OF "X"
A=2.5mm
B=4.0mm
C=13.0mm
D=17.0mm

NOTE:

PART NO.	A	B	C
UC-PD-3X32	90.00	95	85.5
UC-PD-3X16	50.00	53.5	44.6

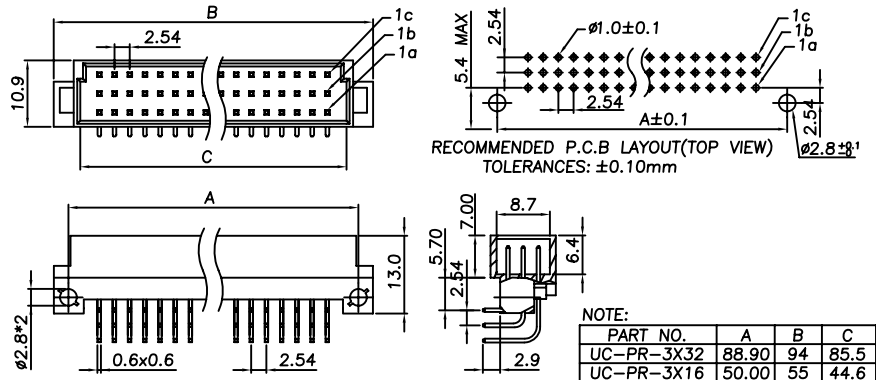
UC-PR-3X32



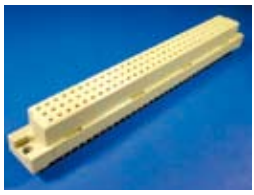
SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



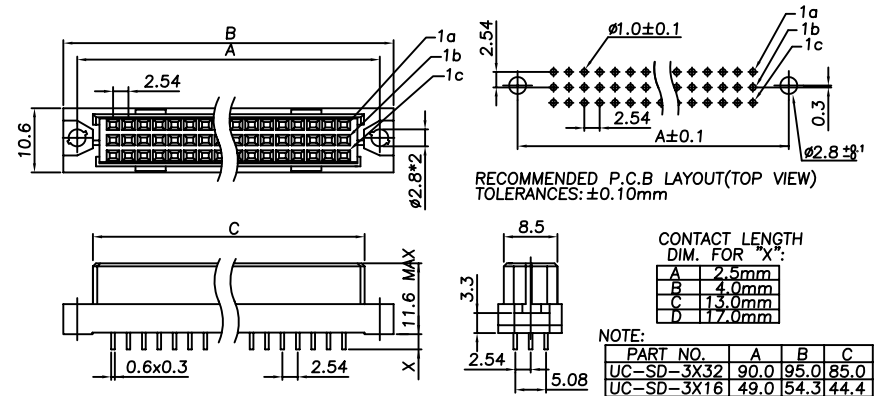
UC-SD-3X32



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



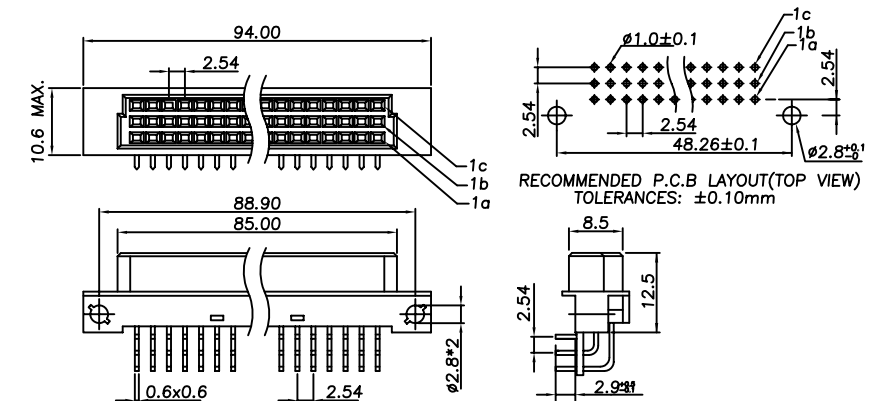
UC-SR-3X32



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



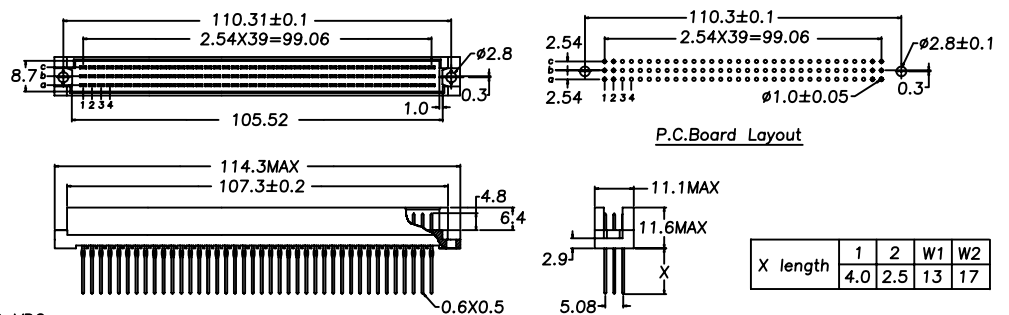
UC-PP13-3X40



MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 2 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +105°C

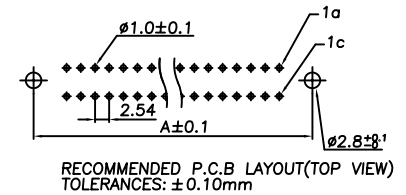
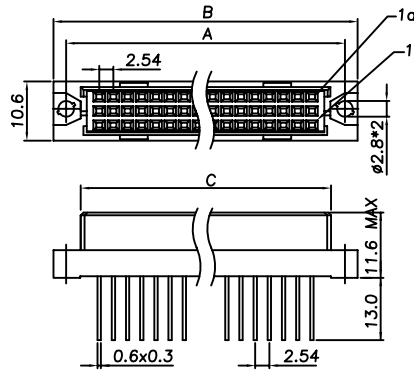


UC-SD13-2X32



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Brass (Male)
Phosphor Bronze (Female)

ELECTRICAL
Operation voltage: 250 VAC max.
Current rating: 3 Amps max.
Contact resistance: 20 mohms max.
Insulation resistance: 3000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +105°C



NOTE:

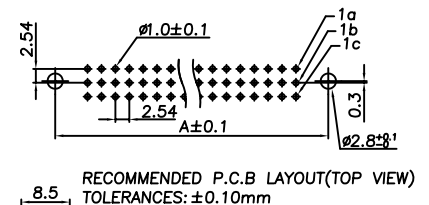
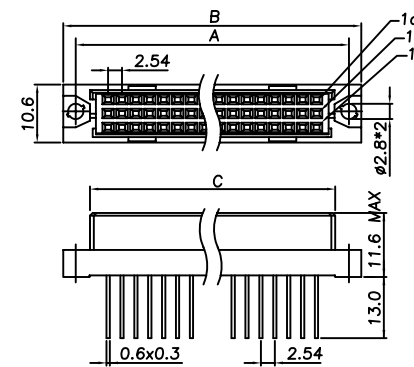
PART NO.	A	B	C
UC-SD13-2X32	90.0	95.0	85.0
UC-SD13-2X16	49.0	54.3	44.4

UC-SD13-3X32



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Brass (Male)
Phosphor Bronze (Female)

ELECTRICAL
Operation voltage: 250 VAC max.
Current rating: 3 Amps max.
Contact resistance: 20 mohms max.
Insulation resistance: 3000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +105°C



NOTE:

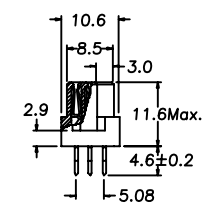
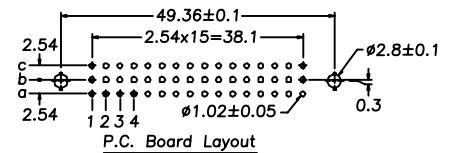
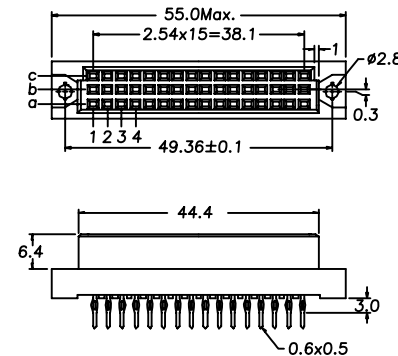
PART NO.	A	B	C
UC-SD13-3X32	90.0	95.0	85.0
UC-SD13-3X16	49.0	54.3	44.4

UC-SP-3X16



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

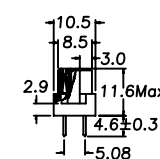
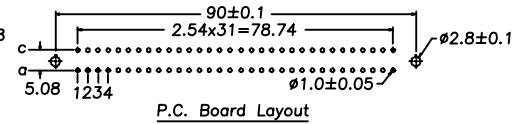
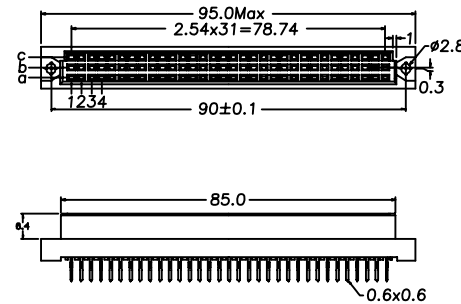
ELECTRICAL
Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +105°C



UC-SP-2X32



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze
ELECTRICAL
Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +125°C



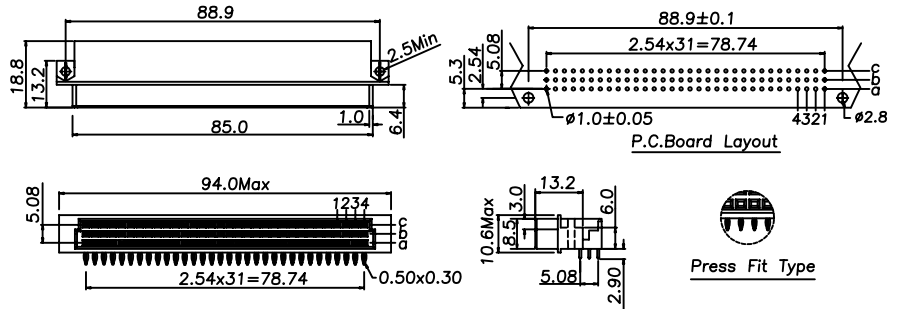
UC-SQ-3X32



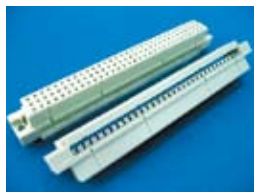
SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +105°C



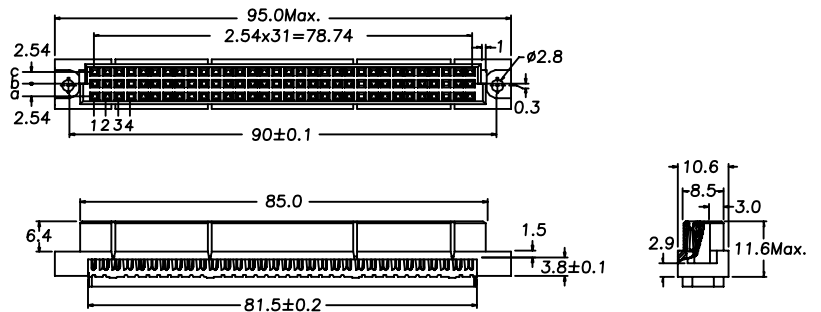
UC-SF-2X32



SPECIFICATION
MATERIAL
Insulator: PBT, rated UL94V-0
Contacts: Phosphor Bronze

ELECTRICAL

Current rating: 1 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC / minute
Operating temperature: -55°C TO +105°C

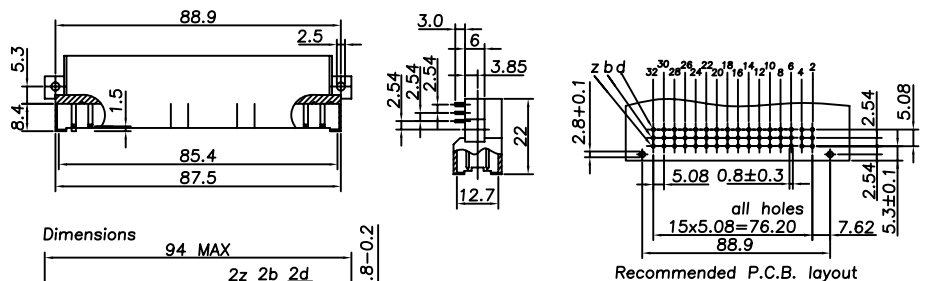


UF-PR-3X16



Technical data

Housing: PBT & 30%Class Fiber(UL94-0)
Contact: Male : Phosphor Bronze
Operating temperature: -55°C~+105°C
Contact resistance: 30m(ohm)max.at DC 100mA
Insulator resistance: 1000M(ohm)min.at DC 500V
Current rating: 5.6 AMP
Withstanding voltage: AC 1000V for 1 minute

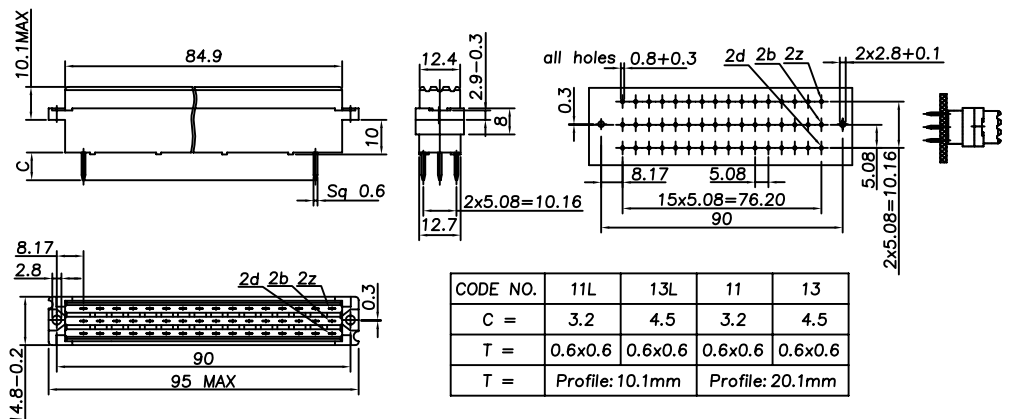


UF-SDH-3X16



Technical data

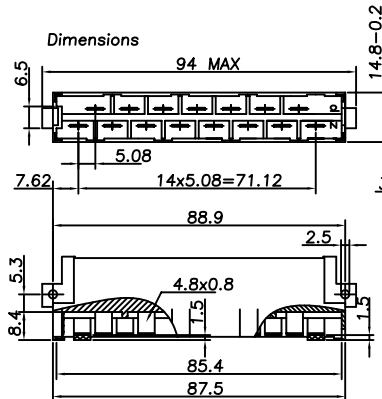
Housing: PBT & 30%Class Fiber(UL94-0)
Contact: Female : Phosphor Bronze
Operating temperature: -55°C~+105°C
Contact resistance: 30m(ohm)max.at DC 100mA
Insulator resistance: 1000M(ohm)min.at DC 500V
Current rating: 5.6 AMP
Withstanding voltage: AC 1000V for 1 minute
Insertion force: 75N max
Withdrawal force: 0.15N/pin min
Contact Rating: Selective Gold ,Plating



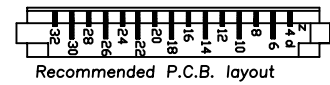
UH-PRPM-15



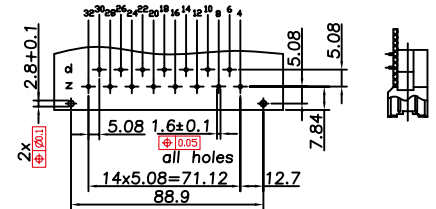
Technical data
 Housing: PBT & 30%Glass Fiber(UL94-0)
 Contact: Female : Male Brass
 Operating temperature: -55°C~+105°C
 Contact resistance: 8m(ohm)max.at DC 100mA
 Insulator resistance: 1000M(ohm)min.at DC 500V
 Current rating: 15 AMP
 Withstanding voltage: AC 3100V for 1 minute
 Insertion force: 90N max



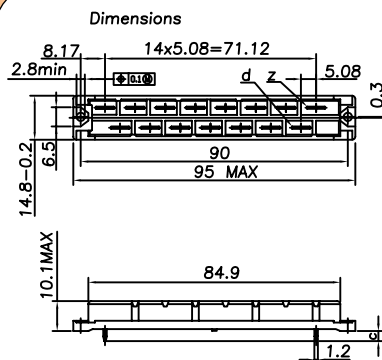
Contact arrangement
 View from termination side



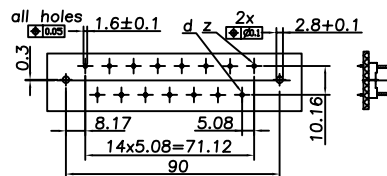
Recommended P.C.B. layout



UH-SD-15



Recommended P.C.B. layout

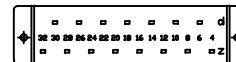


CODE NO.	12	16
C =	4.0	10
T =	0.6x1.2	0.6x1.2

Ordering Information

NO. OF CONTACTS	15
POSITION	d+z
TERMINATION	PART NUMBER
4.0 mm	UH-SD-15
10.0 mm	UH-SD10-15

Contact arrangement
 view from termination side

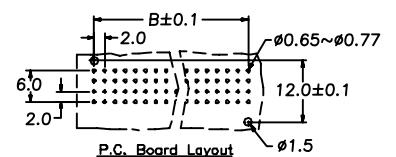
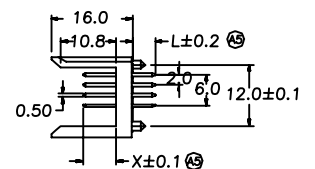
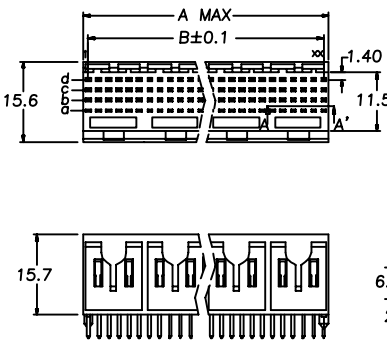
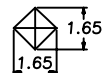
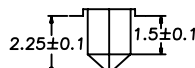
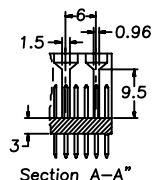


Future Bus Connectors

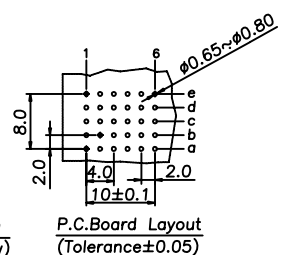
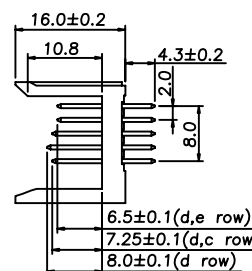
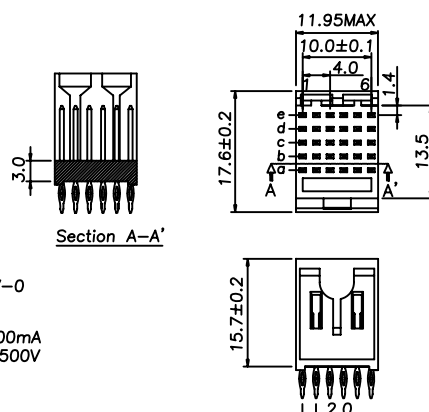
FUB-PD0450-4Xxx



L	X	Position	Dimension
4.3	5.0		
	5.75	24	11.95 10
	6.5	48	23.95 22
	7.25	72	35.95 34
8.0	8.0	96	47.95 46
	5.0	120	59.95 58
	5.75	144	71.95 70
	6.5	168	83.95 82
13.6	7.25	192	95.95 94
	8.0		
	5.0		
	5.75		
17.0	6.5		
	7.25		
	8.0		

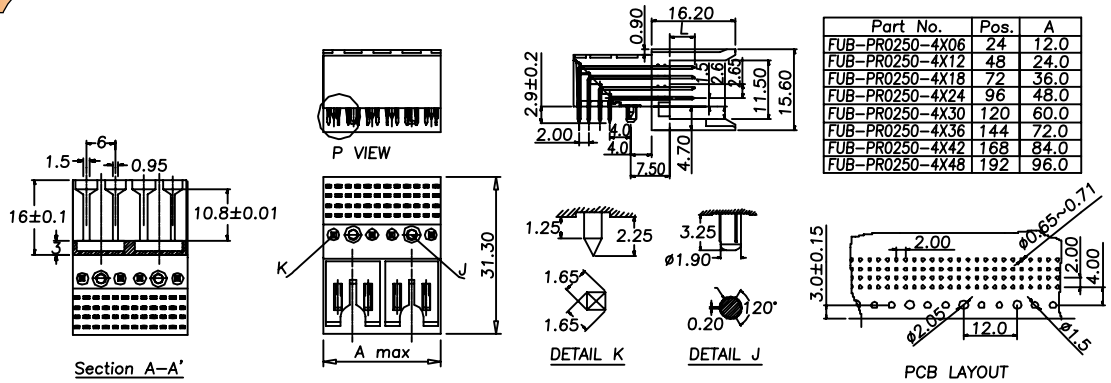
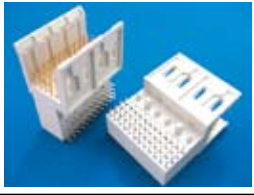


FUB-PP0478766-5X06

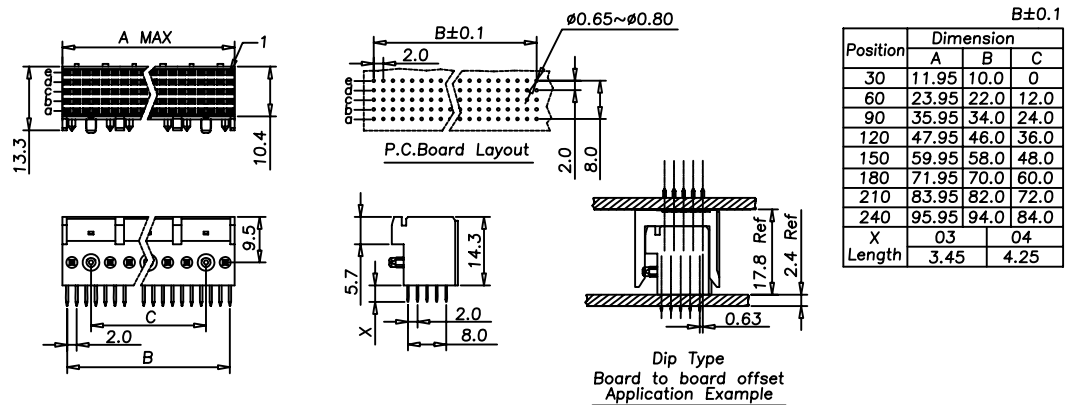


Material:
 Housing: Liquid Crystal Polymer(LCP) UL94V-0
 Contacts:Brass
 Operating temperature: -65°C~+125°C
 Contact resistance: 30m ohmmin. at DC 100mA
 Insulator resistance: 1000M(ohm)min.at DC 500V
 Current rating: 1 AMP.

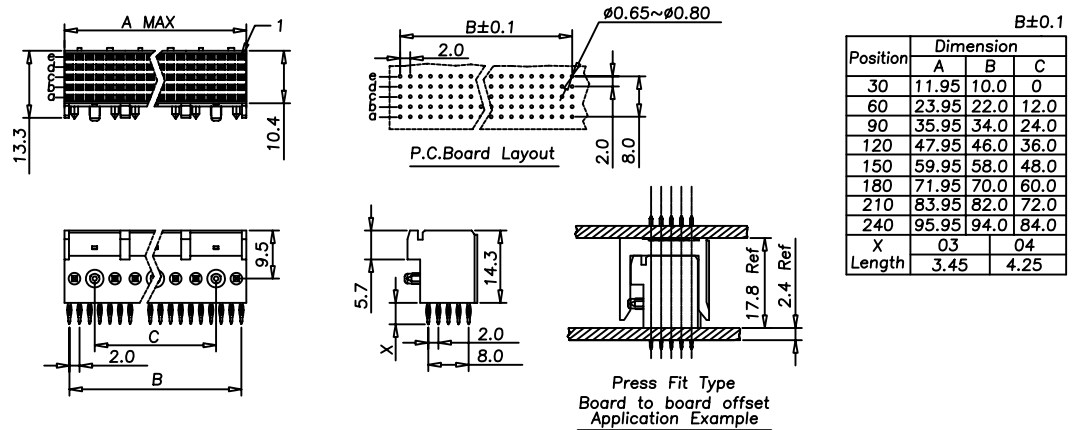
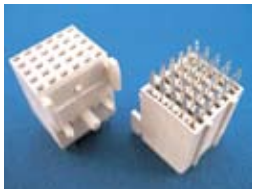
FUB-PR0250-4Xxx



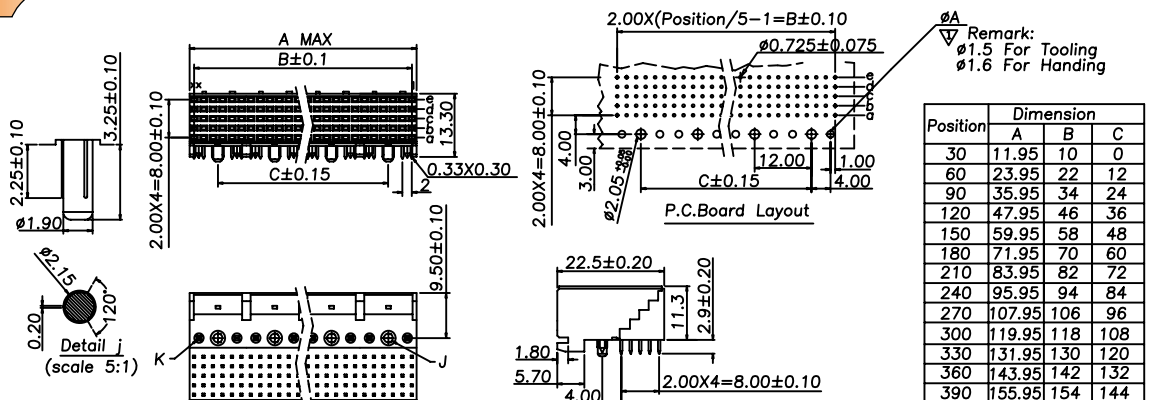
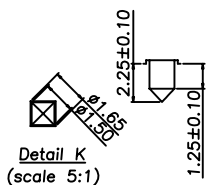
FUB-SDxx-5Xxx



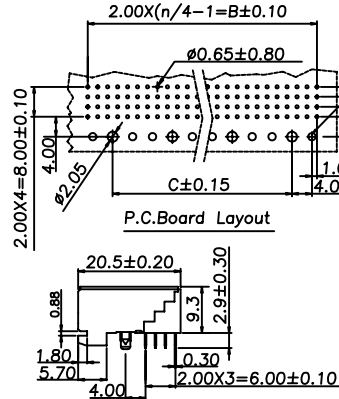
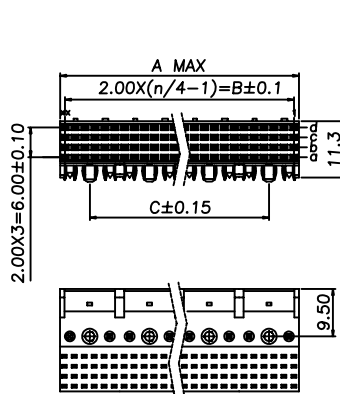
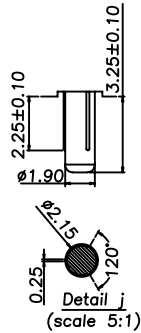
FUB-SPxx-5Xxx



FUB-SR02-5Xxx



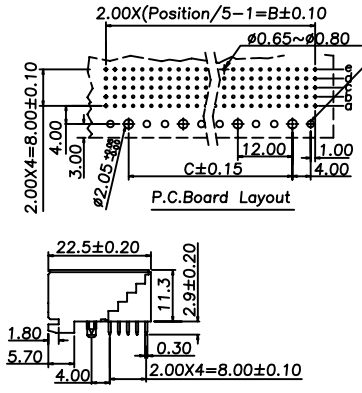
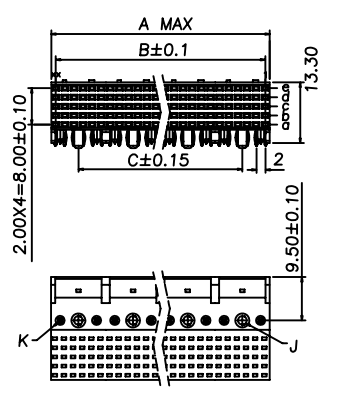
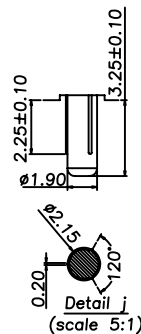
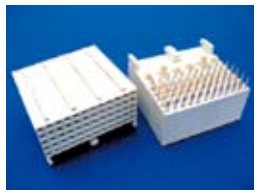
FUB-SQ02-4Xxx



Remark:
Ø1.5 For Tooling
Ø1.6 For Handling

Position	A	B	C
24	11.95	10	0
48	23.95	22	12
72	35.95	34	24
96	47.95	46	36
120	59.95	58	48
144	71.95	70	60
168	83.95	82	72
192	95.95	94	84

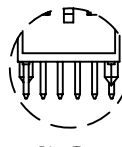
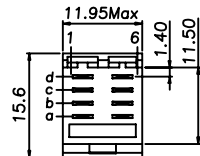
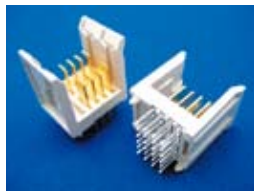
FUB-SQ02-5Xxx



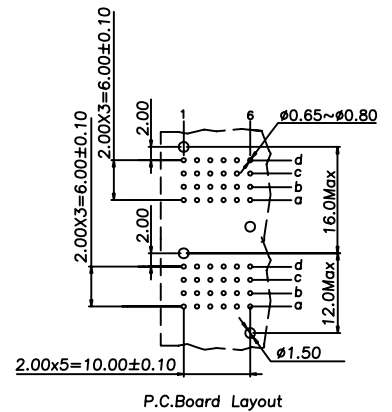
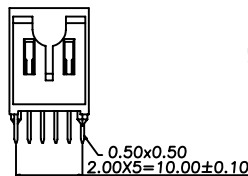
Remark:
Ø1.5 For Tooling
Ø1.6 For Handling

Position	A	B	C
30	11.95	10	0
60	23.95	22	12
90	35.95	34	24
120	47.95	46	36
150	59.95	58	48
180	71.95	70	60
210	83.95	82	72
240	95.95	94	84
270	107.95	106	96
300	119.95	118	108
330	131.95	130	120
360	143.95	142	132
390	155.95	154	144

FUP-PD04xx-4X02

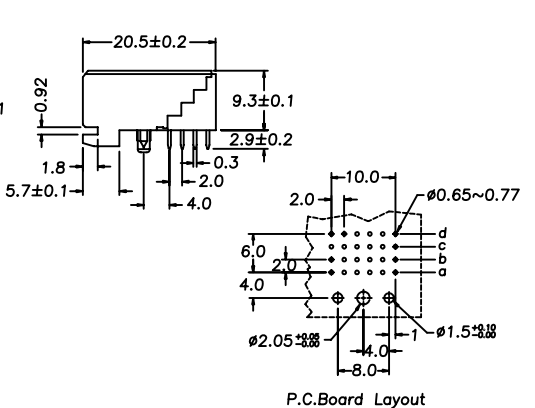
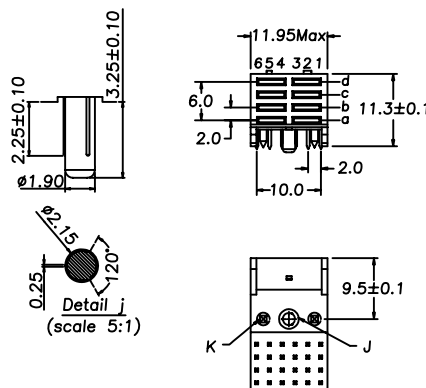
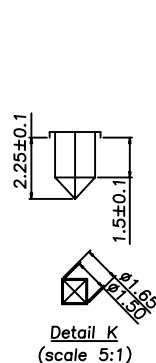


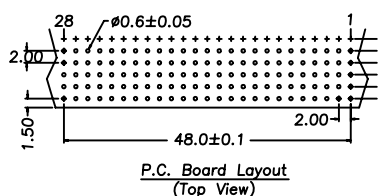
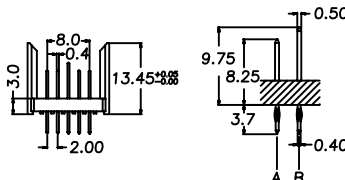
P/N.	L
FUP-PD0465-4X02	6.5
FUP-PD0472-4X02	7.25
FUP-PD0480-4X02	8.0



SPECIFICATION
MATERIAL
Housing: High Temperature Plastic UL94V-0
Contacts: Bronze
ELECTRICAL
Current rating: 3 Amps max.
Contact resistance: 30 mohms max.
Insulation resistance: 1000 Mohms min @ 500 VDC
Operating temperature: -65°C TO +125°C

FUP-SR02-4X06





Pir No.	DIM A	DIM B	DIM C
02	10.16	2.54	7.62
03	12.70	5.08	10.16
04	15.24	7.62	12.70
05	17.78	10.16	15.24
06	20.32	12.70	17.78
07	22.86	15.24	20.32
08	25.40	17.78	22.86
09	27.94	20.32	25.40
10	30.48	22.86	27.94
11	33.02	25.40	30.48
12	35.56	27.94	33.02
13	38.10	30.48	35.56
14	40.64	33.02	38.10
15	43.18	35.56	40.64
16	45.72	38.10	43.18

NOTES:
1.Material:
Housing:Thermoplastic,UL 94V-0
Terminal:Copper alloy
2.Finish:
Termingl:0.5um Au/2.5um Ni

Recommended P.C.B. Layout
Layout Tolerance= $\pm 0.05\text{mm}$

0.8mm Connectors

SUR-SI32-xx



Specifications

Electrical

Voltage Rating: 30V(DC)

Current Rating: 0.5A AC,DC (AWG#32)

0.2A AC,DC (AWG#36)

Contact Resistance: Initial value/20mΩ max

After environmental testing/40mΩ max

Dielectric Withstanding Voltage: 200V AC/1minute

Insulation Resistance: 100M min

Material

Circuits: 2~20;and 22

Insulator: Polyamide, UL 94V-0

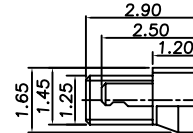
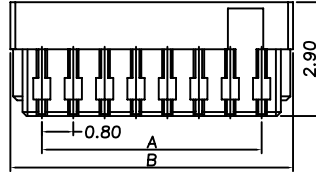
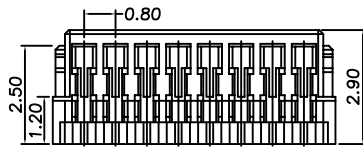
Temperature Range: -25°C~+85°C (including temperature

rise in applying electrical current)

Wafer: Polyamide, UL94V-0, natural

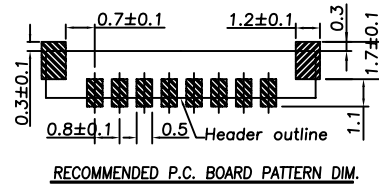
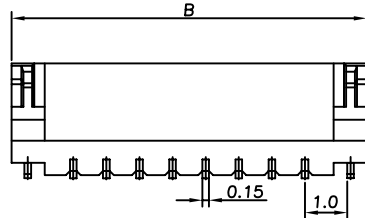
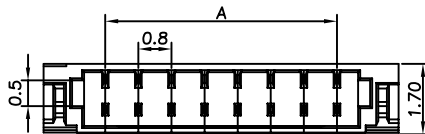
Contact: copper alloy, tin-plated

Solder tad: Brass, tin-plated

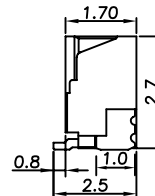


Poles	Dimension mm	
	A	B
2	0.8	2.4
3	1.6	3.2
4	2.4	4.0
5	3.2	4.8
6	4.0	5.6
7	4.8	6.4
8	5.6	7.2
9	6.4	8.0
10	7.2	8.8
11	8.0	9.6
12	8.8	10.4
13	9.6	11.2
14	10.4	12.0
15	11.2	12.8
16	12.0	13.6
17	12.8	14.4
18	13.6	15.2
19	14.4	16.0
20	15.2	16.8
22	16.8	18.4

SUR-V-xx

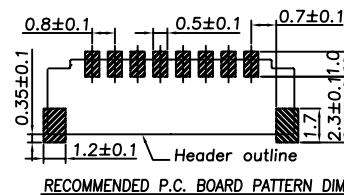
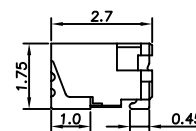
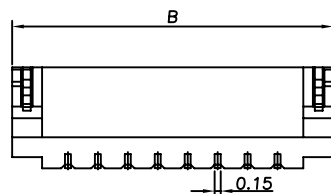
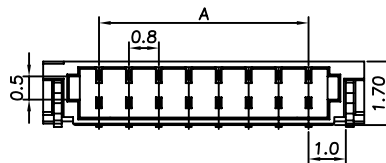


RECOMMENDED P.C. BOARD PATTERN DIM.



Poles	Dimension mm	
	A	B
2	0.8	3.8
3	1.6	4.6
4	2.4	5.4
5	3.2	6.2
6	4.0	7.0
7	4.8	7.8
8	5.6	8.6
9	6.4	9.4
10	7.2	10.2
11	8.0	11.0
12	8.8	11.8
13	9.6	12.6
14	10.4	13.4
15	11.2	14.2
16	12.0	15.0
17	12.8	15.8
18	13.6	16.6
19	14.4	17.4
20	15.2	18.2
22	16.8	19.8

SUR-W-xx

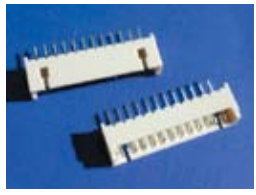


RECOMMENDED P.C. BOARD PATTERN DIM.

Poles	Dimension mm	
	A	B
2	0.8	3.8
3	1.6	4.6
4	2.4	5.4
5	3.2	6.2
6	4.0	7.0
7	4.8	7.8
8	5.6	8.6
9	6.4	9.4
10	7.2	10.2
11	8.0	11.0
12	8.8	11.8
13	9.6	12.6
14	10.4	13.4
15	11.2	14.2
16	12.0	15.0
17	12.8	15.8
18	13.6	16.6
19	14.4	17.4
20	15.2	18.2
22	16.8	19.8

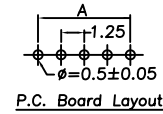
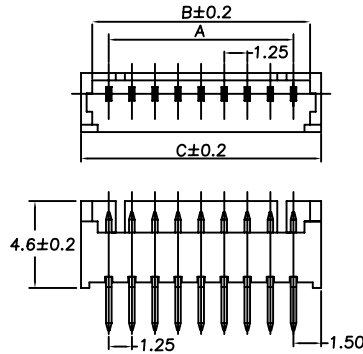
1.25mm Connectors

FH-D-xx



MATERIAL:
WAFER: HIGH TEMPERATURE PLASTIC
NYLON46 UL94V-0
PIN: HIGH STRENGTH BRASS
WITH TIN OVER NICKEL PLATED

SPECIFICATION:
CURRENT RATE: 1 AMP
INSULATION RESISTANCE: 500 M OHM MIN
CONTACT RESISTANCE: 20 M OHM MAX
DIELECTRIC VOLTAGE: 500 V AC FOR ONE MINUTE
OPERATION TEMPERATURE: -25°C ~ +85°C



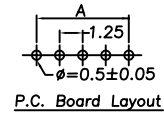
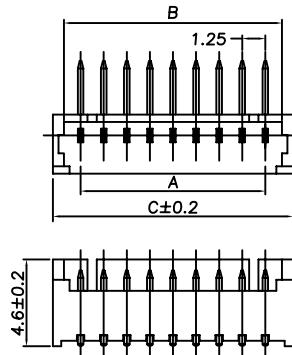
CKT.	A	B	C
2	1.25	3.15	4.25
3	2.50	4.40	5.50
4	3.75	5.65	6.75
5	5.00	6.90	8.00
6	6.25	8.15	9.25
7	7.50	9.40	10.50
8	8.75	10.65	11.75
9	10.00	11.90	13.00
10	11.25	13.15	14.25
11	12.50	14.40	15.50
12	13.75	15.65	16.75
13	15.00	16.90	18.00
14	16.25	18.15	19.25
15	17.50	19.40	20.50

FH-R-xx



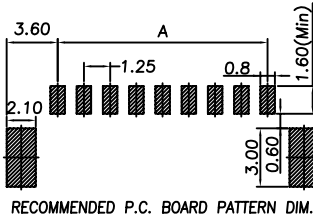
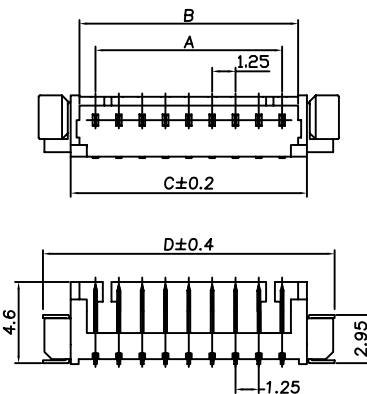
MATERIAL:
WAFER: HIGH TEMPERATURE PLASTIC
NYLON46 UL94V-0
PIN: HIGH STRENGTH BRASS
WITH TIN OVER NICKEL PLATED

SPECIFICATION:
CURRENT RATE: 1 AMP
INSULATION RESISTANCE: 500 M OHM MIN
CONTACT RESISTANCE: 20 M OHM MAX
DIELECTRIC VOLTAGE: 500 V AC FOR ONE MINUTE
OPERATION TEMPERATURE: -25°C ~ +85°C



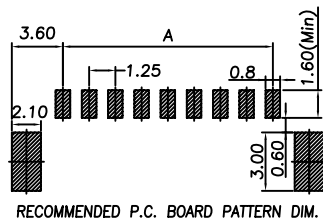
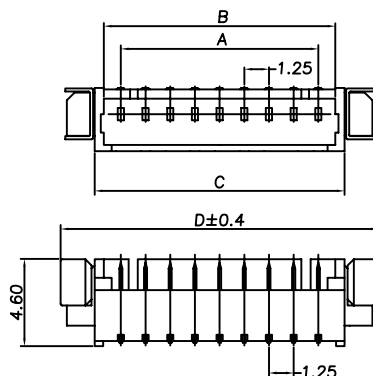
CKT.	A	B	C
2	1.25	3.15	4.25
3	2.50	4.40	5.50
4	3.75	5.65	6.75
5	5.00	6.90	8.00
6	6.25	8.15	9.25
7	7.50	9.40	10.50
8	8.75	10.65	11.75
9	10.00	11.90	13.00
10	11.25	13.15	14.25
11	12.50	14.40	15.50
12	13.75	15.65	16.75
13	15.00	16.90	18.00
14	16.25	18.15	19.25
15	17.50	19.40	20.50

FH-V-xx



CKT.	A	B	C	D
2	1.25	3.05	4.25	7.65
3	2.50	4.30	5.50	8.90
4	3.75	5.55	6.75	10.15
5	5.00	6.80	8.00	11.40
6	6.25	8.05	9.25	12.65
7	7.50	9.30	10.50	13.90
8	8.75	10.55	11.75	15.15
9	10.00	11.80	13.00	16.40
10	11.25	13.05	14.25	17.65
11	12.50	14.30	15.50	18.90
12	13.75	15.55	16.75	20.15
13	15.00	16.80	18.00	21.40
14	16.25	18.05	19.25	22.65
15	17.50	19.30	20.50	23.90

FH-W-xx

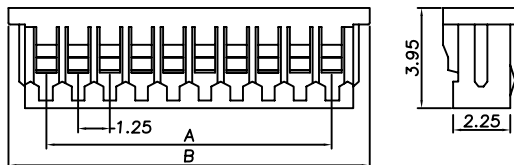
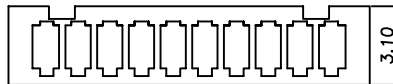


CKT.	A	B	C	D
2	1.25	3.05	4.25	7.65
3	2.50	4.30	5.50	8.90
4	3.75	5.55	6.75	10.15
5	5.00	6.80	8.00	11.40
6	6.25	8.05	9.25	12.65
7	7.50	9.30	10.50	13.90
8	8.75	10.55	11.75	15.15
9	10.00	11.80	13.00	16.40
10	11.25	13.05	14.25	17.65
11	12.50	14.30	15.50	18.90
12	13.75	15.55	16.75	20.15
13	15.00	16.80	18.00	21.40
14	16.25	18.05	19.25	22.65
15	17.50	19.30	20.50	23.90

FH-H-xx



MATERIAL:
WAFER: HIGH TEMPERATURE PLASTIC
NYLON46 UL94V-0
PIN: HIGH STRENGTH BRASS
WITH TIN OVER NICKEL PLATED



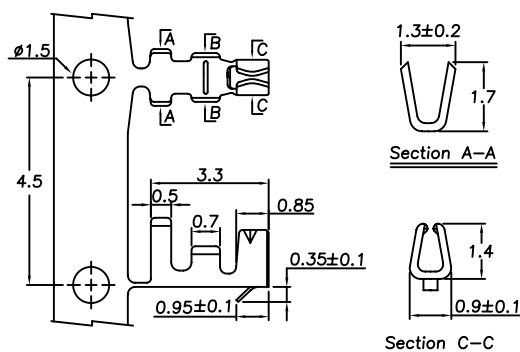
CKT.	A	B
2	1.25	4.25
3	2.50	5.50
4	3.75	6.75
5	5.00	8.00
6	6.25	9.25
7	7.50	10.50
8	8.75	11.75
9	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50

SPECIFICATION:
CURRENT RATE: 1 AMP
INSULATION RESISTANCE: 500 M OHM MIN
CONTACT RESISTANCE: 20 M OHM MAX
DIELECTRIC VOLTAGE: 500 V AC FOR ONE MINUTE
OPERATION TEMPERATURE: -25°C ~ +85°C

FH-T-28



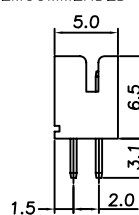
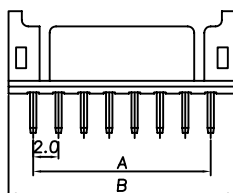
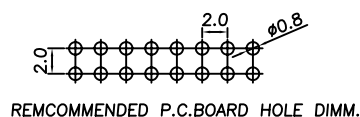
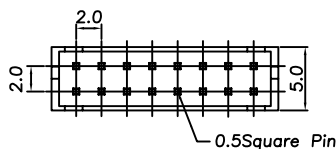
SPECIFICATIONS
Electrical
Current Rating: 1A AC, DC
Voltage Rating: 125V AC/ max.
Operating Temp.: -25°C ~ +85°C
Insulation Resistance: 100MOHM/ min.
Dielectric Withstanding Voltage: 250V AC/ min.
Contact Resistance: 20mohm/ max.



Material
Terminal material: Phosphor Bronze/ Tin-plated
Wire Range: 28 to 32AWG

2.0mm Connectors

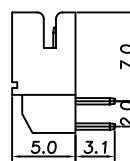
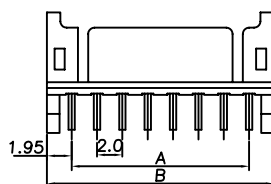
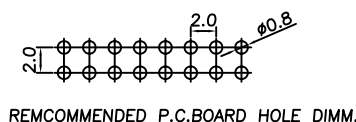
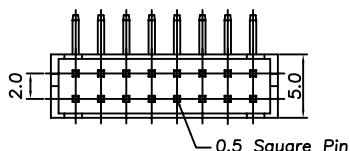
PHD-D-xx



Poles	Dimension mm	A	B
6	4.0	7.9	
8	6.0	9.9	
10	8.0	11.9	
12	10.0	13.9	
14	12.0	15.9	
16	14.0	17.9	
18	16.0	19.9	
20	18.0	21.9	
22	20.0	23.9	
24	22.0	25.9	
26	24.0	27.9	
28	26.0	29.9	
30	28.0	31.9	
32	30.0	33.9	

Specification
Current Rating: 3A AC DC
Voltage Rating: 250V AC, DC
Operating Temp: -25°C ~ +85°C
Contact Resistance: 20mohm Max
Insulation Resistance: 1000MOHM Min
Terminal Material: Brass/ Tin-plated/ Gold-plated
Material: Nylon 66, UL 94V-0

PHD-R-xx



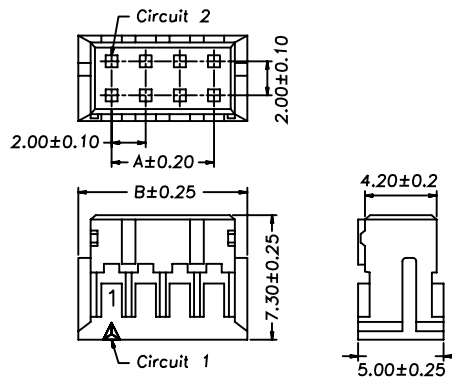
Poles	Dimension mm	A	B
6	4.0	7.9	
8	6.0	9.9	
10	8.0	11.9	
12	10.0	13.9	
14	12.0	15.9	
16	14.0	17.9	
18	16.0	19.9	
20	18.0	21.9	
22	20.0	23.9	
24	22.0	25.9	
26	24.0	27.9	
28	26.0	29.9	
30	28.0	31.9	
32	30.0	33.9	

Specification
Current Rating: 3A AC DC
Voltage Rating: 250V AC, DC
Operating Temp: -25°C ~ +85°C
Contact Resistance: 20mohm Max
Insulation Resistance: 1000MOHM Min
Terminal Material: Brass/ Tin-plated/ Gold-plated
Material: Nylon 66, UL 94V-0

PHD-H-xx

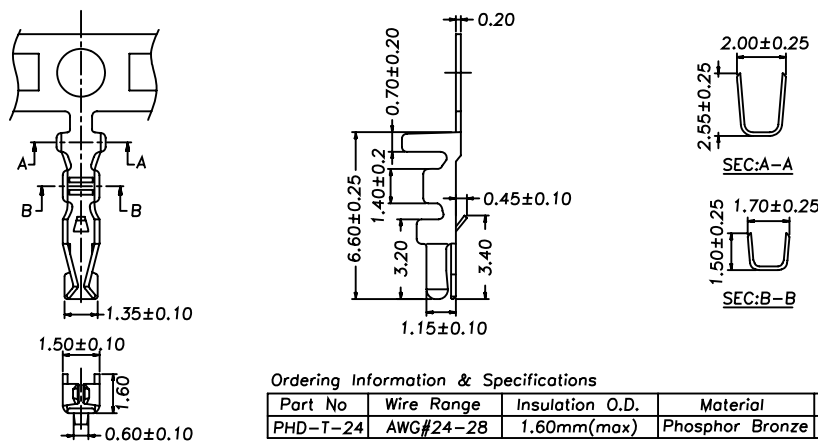


Specification
Current Rating: 2A AC DC
Voltage Rating: 250V AC, DC
Operating Temp: -25°C ~ +85°C
Contact Resistance: 20mohm Max
Insulation Resistance: 1000MOHM Min
Withstanding Voltage: 800V AC/minute
Material: Nylon 66, UL 94V-0



Poles	Dimension mm	
	A	B
6	4.0	7.9
8	6.0	9.9
10	8.0	11.9
12	10.0	13.9
14	12.0	15.9
16	14.0	17.9
18	16.0	19.9
20	18.0	21.9
22	20.0	23.9
24	22.0	25.9
26	24.0	27.9
28	26.0	29.9
30	28.0	31.9
32	30.0	33.9
34	32.0	35.9
36	34.0	37.9
38	36.0	39.9
40	38.0	41.9

PHD-T-24



Ordering Information & Specifications

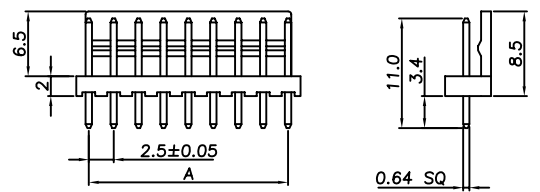
Part No	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
PHD-T-24	AWG#24-28	1.60mm(max)	Phosphor Bronze	Tin-plated	10,000pcs

2.5mm Connectors

RM-D-xx

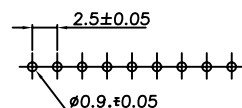


CIRCUITS	DIM.A	DIM.B	11	25.00	27.50
2	2.50	5.00	12	27.50	30.00
3	5.00	7.50	13	30.00	32.50
4	7.50	10.00	14	32.50	35.00
5	10.00	12.50	15	35.00	37.50
6	12.50	15.00	16	37.50	40.00
7	15.00	17.50	17	40.00	42.50
8	17.50	20.00	18	42.50	45.00
9	20.00	22.50	19	45.00	47.50
10	22.50	25.00	20	47.50	50.00



SPECIFICATION
CURRENT RATING: 3A AC,DC
VOLTAGE RATING: 250V AC,DC
TEMPERATURE RANGE: -25°C TO +85°C
INSULATION RESISTANCE: 1,000M OHM MIN.
WITHSTANDING VOLTAGE: 1,000V AC/MINUTE
CONTACT: PHOSPHOR COPPER, TIN-PLATED OR BRASS

APPLICABLE WIRE: AWG #28 TO #22
WAFER: NYLON 66, UL94V-0

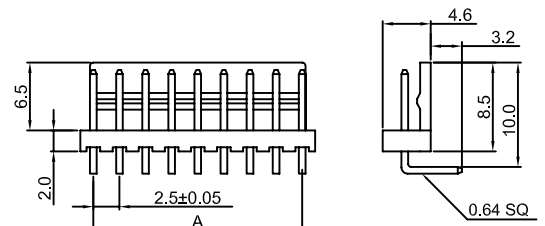


P.C.B. LAYOUT

RM-R-xx

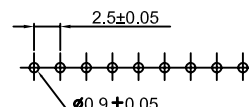


CIRCUITS	DIM.A	DIM.B	11	25.00	27.50
2	2.50	5.00	12	27.50	30.00
3	5.00	7.50	13	30.00	32.50
4	7.50	10.00	14	32.50	35.00
5	10.00	12.50	15	35.00	37.50
6	12.50	15.00	16	37.50	40.00
7	15.00	17.50	17	40.00	42.50
8	17.50	20.00	18	42.50	45.00
9	20.00	22.50	19	45.00	47.50
10	22.50	25.00	20	47.50	50.00



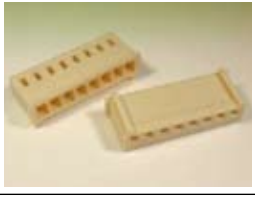
SPECIFICATION
CURRENT RATING: 3A AC,DC
VOLTAGE RATING: 250V AC,DC
TEMPERATURE RANGE: -25°C TO +85°C
INSULATION RESISTANCE: 1,000M OHM MIN.
WITHSTANDING VOLTAGE: 1,000V AC/MINUTE
CONTACT: PHOSPHOR COPPER, TIN-PLATED OR BRASS

APPLICABLE WIRE: AWG #28 TO #22
WAFER: NYLON 66, UL94V-0

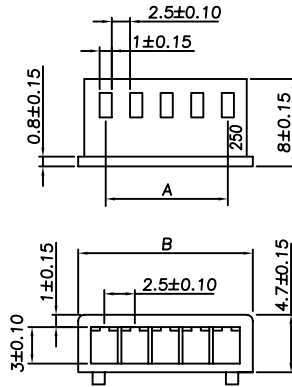


P.C.B. LAYOUT

RM-H-xx



SPECIFICATION
CURRENT RATING: 3A AC,DC
VOLTAGE RATING: 250V AC,DC
TEMPERATURE RANGE: -25°C TO +85°C
INSULATION RESISTANCE: 1,000M OHM MIN.
WITHSTANDING VOLTAGE: 1,000V AC/MINUTE
CONTACT: PHOSPHOR COPPER, TIN-PLATED OR BRASS
APPLICABLE WIRE: AWG #28 TO #22
HOUSING: NYLON 66, UL94V-0

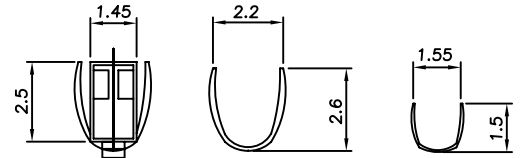
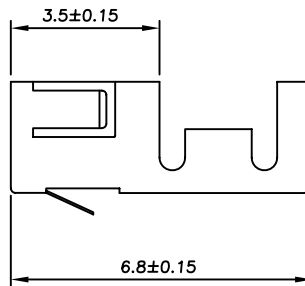


CIRCUITS	DIM.A	DIM.B
2	2.50	6.74
3	5.00	9.24
4	7.50	11.74
5	10.00	14.24
6	12.50	16.74
7	15.00	19.24
8	17.50	21.74
9	20.00	24.24
10	22.50	26.74
11	25.00	29.24
12	27.50	31.74
13	30.00	34.24
14	32.50	36.74
15	35.00	39.24

RM-T-22

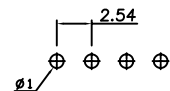
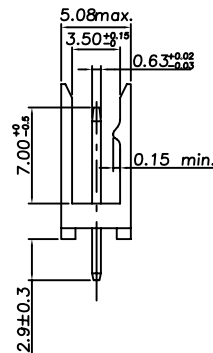
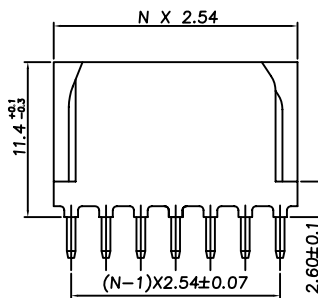


SPECIFICATION
CURRENT RATING: 3A AC,DC
VOLTAGE RATING: 250V AC,DC
TEMPERATURE RANGE: -25°C TO +85°C
INSULATION RESISTANCE: 1,000M OHM MIN.
WITHSTANDING VOLTAGE: 1,000V AC/MINUTE
CONTACT: PHOSPHOR COPPER, TIN-PLATED OR BRASS
APPLICABLE WIRE: AWG #28 TO #22



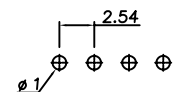
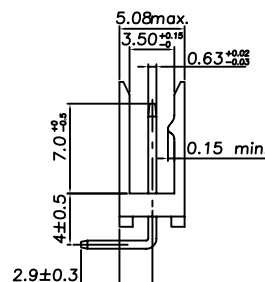
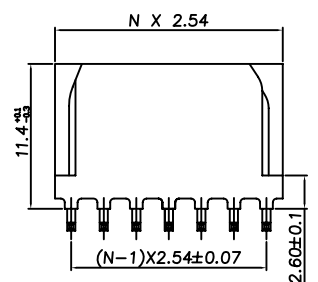
2.54mm Connectors

HE14-DG-1Xxx



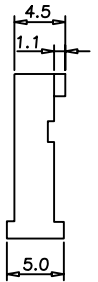
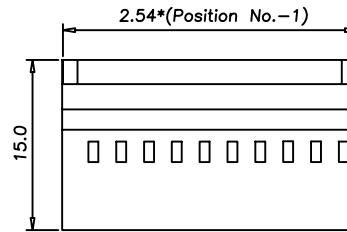
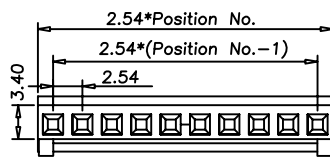
HE14 - DT - 1 X xx-LF
FINISH: T: TIN PLATED, G: GOLD PLATED
POSITION: PER ROW
LEADFREE

HE14-RT-1Xxx



HE14 - RT - 1 X xx-LF
FINISH: T: TIN PLATED, G: GOLD PLATED
POSITION: PER ROW
LEADFREE

HE14-H-1Xxx



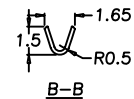
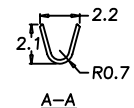
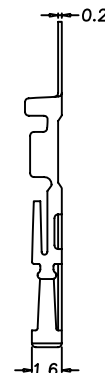
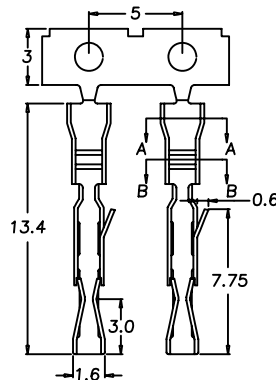
SPECIFICATION

MATERIAL

Insulator:PBT,glass reinforced, rated UL 94V-0



HE14-TG-24



SPECIFICATION

MATERIAL

Contact:phosphor Bronze

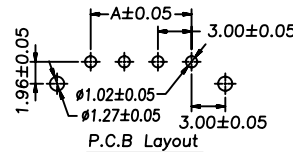
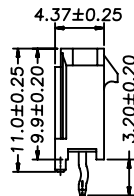
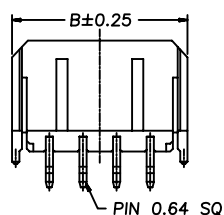
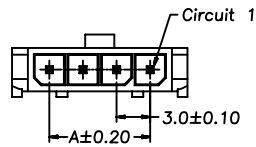
Wire Range:AWG#24-28

Insulation O.D. :0.8-1.5mm

Plating:TIN plated or Gold Plated

3.00mm Connectors

MIF-PDP-1Xxx



Ordering Information & Dimensions

PART NO.	Dimensions	
	A	B
MIF-PDP-1X02	3.00	9.65
MIF-PDP-1X03	6.00	12.65
MIF-PDP-1X04	9.00	15.65
MIF-PDP-1X05	12.00	18.65
MIF-PDP-1X06	15.00	21.65
MIF-PDP-1X07	18.00	24.65
MIF-PDP-1X08	21.00	27.65
MIF-PDP-1X09	24.00	30.65
MIF-PDP-1X10	27.00	33.65
MIF-PDP-1X11	30.00	36.65
MIF-PDP-1X12	33.00	39.65

SPECIFICATION

CURRENT RATING: 5A AC,DC

VOLTAGE RATING: 250V AC,DC

TEMPERATURE RANGE: -25°C TO +85°C

INSULATION RESISTANCE: 1,000M OHM MIN.

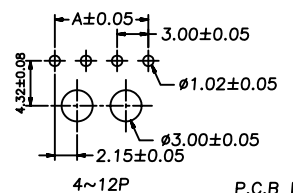
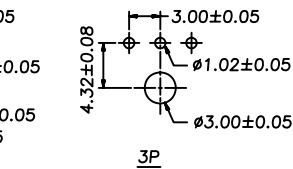
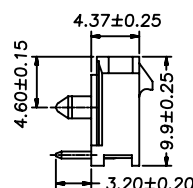
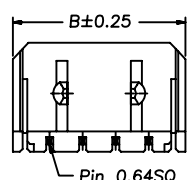
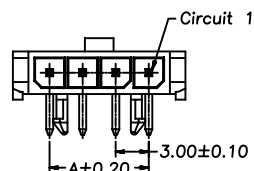
WITHSTANDING VOLTAGE: 1,500V AC/MINUTE

CONTACT RESISTANCE: 10m ohm Max

PIN MATERIAL: BRASS/TIN-PLATED

MATERIAL:PBT 30%GF,UL94V-0

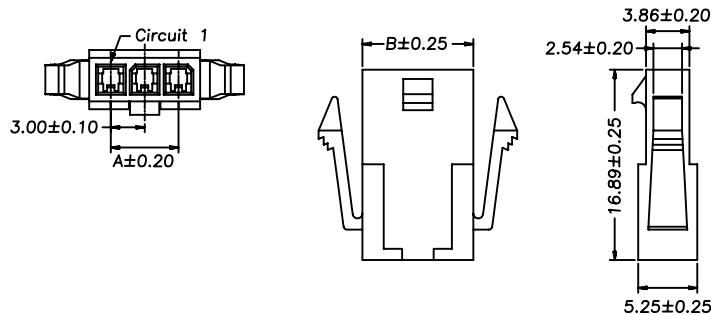
MIF-PRP-1Xxx



Ordering Information & Dimensions

PART NO.	Dimensions	
	A	B
MIF-PRP-1X02	3.00	9.65
MIF-PRP-1X03	6.00	12.65
MIF-PRP-1X04	9.00	15.65
MIF-PRP-1X05	12.00	18.65
MIF-PRP-1X06	15.00	21.65
MIF-PRP-1X07	18.00	24.65
MIF-PRP-1X08	21.00	27.65
MIF-PRP-1X09	24.00	30.65
MIF-PRP-1X10	27.00	33.65
MIF-PRP-1X11	30.00	36.65
MIF-PRP-1X12	33.00	39.65

MIF-PH-1Xxx



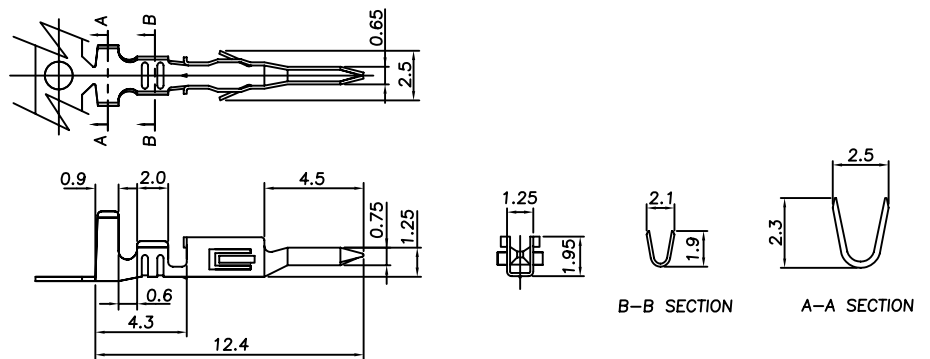
Ordering Information & Dimensions

PART NO.	Dimensions	
	A	B
MIF-PH-1X02	3.00	6.85
MIF-PH-1X03	6.00	9.85
MIF-PH-1X04	9.00	12.85
MIF-PH-1X05	12.00	15.85
MIF-PH-1X06	15.00	18.85
MIF-PH-1X07	18.00	21.85
MIF-PH-1X08	21.00	24.85
MIF-PH-1X09	24.00	27.85
MIF-PH-1X10	27.00	30.85
MIF-PH-1X11	30.00	33.85
MIF-PH-1X12	33.00	36.85

SPECIFICATION

CURRENT RATING: 5A AC,DC
VOLTAGE RATING: 250V AC,DC
TEMPERATURE RANGE: -25°C TO $+85^{\circ}\text{C}$
INSULATION RESISTANCE: 1,000M OHM MIN.
WITHSTANDING VOLTAGE: 1,500V AC/MINUTE
CONTACT RESISTANCE: 10m ohm Max
MATERIAL: Nylon 66, UL94V-2

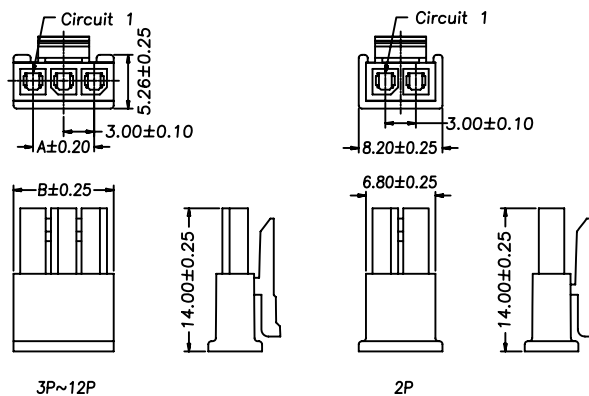
MIF-MT-20



SPECIFICATION

Material: phosphor Bronze
Finished: Tin-plated 60u
Thickness: 0.20mm
Wire Range: AWG#20-26
Q, TY: 5,000PCS/Reel

MIF-SH-1Xxx



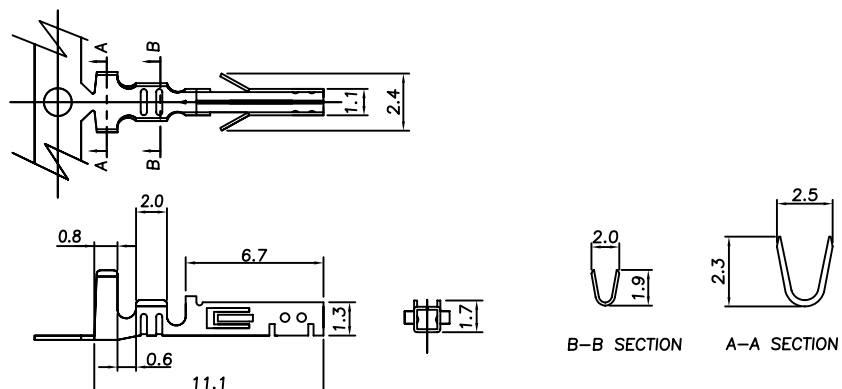
Ordering Information & Dimensions

PART NO.	Dimensions	
	A	B
MIF-SH-1X02	3.00	6.80
MIF-SH-1X03	6.00	9.80
MIF-SH-1X04	9.00	12.80
MIF-SH-1X05	12.00	15.80
MIF-SH-1X06	15.00	18.80
MIF-SH-1X07	18.00	21.80
MIF-SH-1X08	21.00	24.80
MIF-SH-1X09	24.00	27.80
MIF-SH-1X10	27.00	30.80
MIF-SH-1X11	30.00	33.80
MIF-SH-1X12	33.00	36.80

SPECIFICATION

CURRENT RATING: 5A AC,DC
VOLTAGE RATING: 250V AC,DC
TEMPERATURE RANGE: -25°C TO $+85^{\circ}\text{C}$
INSULATION RESISTANCE: 1,000M OHM MIN.
WITHSTANDING VOLTAGE: 1,500V AC/MINUTE
CONTACT RESISTANCE: 10m ohm Max
MATERIAL: Nylon 66, UL94V-2

MIF-FT-20



SPECIFICATION

Material: phosphor Bronze
Finished: Tin-plated 60u
Thickness: 0.20mm
Wire Range: AWG#20-26
Q, TY: 10,000PCS/Reel

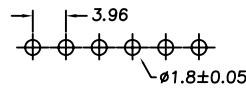
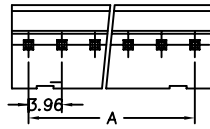
3.96mm Connectors

KK-D-xx

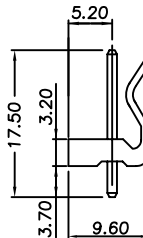
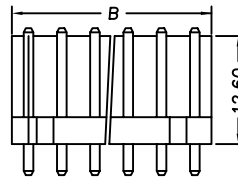


SPECIFICATIONS

Current Rating: 5A AC, DC
Voltage Rating: 250V AC, DC
Operating Temp.: -25°C ~ +85°C
Insulation Resistance: 1000MOHM/ min.
Dielectric Withstanding Voltage: 1500V AC/ min.
Contact Resistance: 10mohm/ max.
Material: Nylon66, UL94V-2



RECOMMENDED P.C.BOARD HOLE DIMM.



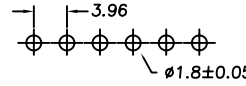
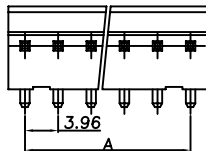
Poles	Dimension		Part No.
	A	B	
2	3.96	7.92	KK-D-02
3	7.92	11.88	KK-D-03
4	11.88	15.84	KK-D-04
5	15.84	19.80	KK-D-05
6	19.80	23.76	KK-D-06
7	23.76	27.72	KK-D-07
8	27.72	31.68	KK-D-08
9	31.68	35.64	KK-D-09
10	35.64	39.60	KK-D-10
11	39.60	43.56	KK-D-11
12	43.56	47.52	KK-D-12
13	47.52	51.48	KK-D-13
14	51.48	55.44	KK-D-14
15	55.44	59.40	KK-D-15
16	59.40	63.36	KK-D-16
17	63.36	67.32	KK-D-17
18	67.32	71.28	KK-D-18
20	75.24	79.20	KK-D-20

KK-R-xx

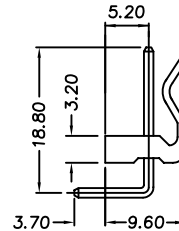
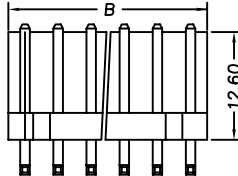


SPECIFICATIONS

Current Rating: 5A AC, DC
Voltage Rating: 250V AC, DC
Operating Temp.: -25°C ~ +85°C
Insulation Resistance: 1000MOHM/ min.
Dielectric Withstanding Voltage: 1500V AC/ min.
Contact Resistance: 10mohm/ max.
Material: Nylon66, UL94V-2



RECOMMENDED P.C.BOARD HOLE DIMM.

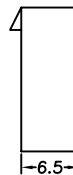
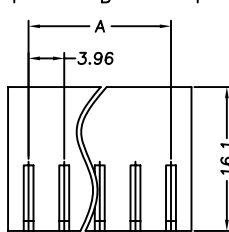
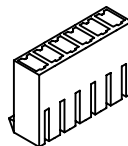
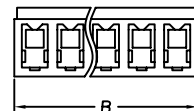


Poles	Dimension		Part No.
	A	B	
2	3.96	8.00	KK-R-02
3	7.92	12.00	KK-R-03
4	11.88	15.90	KK-R-04
5	15.84	20.00	KK-R-05
6	19.80	24.00	KK-R-06
7	23.76	27.90	KK-R-07
8	27.72	31.90	KK-R-08
9	31.68	35.80	KK-R-09
10	35.64	39.90	KK-R-10
11	39.60	47.80	KK-R-11
12	43.56	51.80	KK-R-12
13	47.52	55.70	KK-R-13
14	51.48	59.80	KK-R-14
15	55.44	63.80	KK-R-15
16	59.40	67.70	KK-R-16
17	63.36	71.70	KK-R-17
18	67.32	75.60	KK-R-18
20	75.24	79.80	KK-R-20

KK-H-xx



MATERIAL: NYLON 66.UL94V-2
CURRENT RATING: 7A
VOLTAGE RATING: 250V/AC



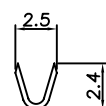
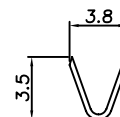
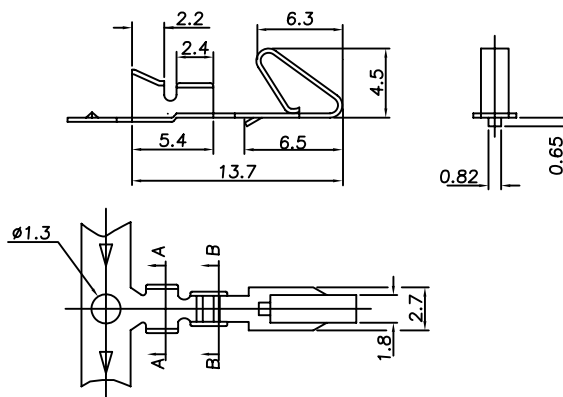
Poles	Dimension		Part No.
	A	B	
2	3.96	8.62	KK-H-02
3	7.92	12.58	KK-H-03
4	11.88	16.54	KK-H-04
5	15.84	20.50	KK-H-05
6	19.80	24.46	KK-H-06
7	23.76	28.42	KK-H-07
8	27.72	32.38	KK-H-08
9	31.68	36.34	KK-H-09
10	35.64	40.30	KK-H-10
11	39.60	44.26	KK-H-11
12	43.56	48.22	KK-H-12
13	47.52	52.18	KK-H-13
14	51.48	56.14	KK-H-14
15	55.44	60.10	KK-H-15
16	59.40	64.06	KK-H-16
17	63.36	68.02	KK-H-17
18	67.32	71.98	KK-H-18
20	75.24	79.90	KK-H-20

KK-T-18



TERMINAL

Material: Brass
Thickness: 0.25mm
Plating: Tin plated 60u"
Wire Range: Suitable for AWG#18~26
Insulation O.D: 2.5mm (max)
QTY: 6,000 pcs/roll



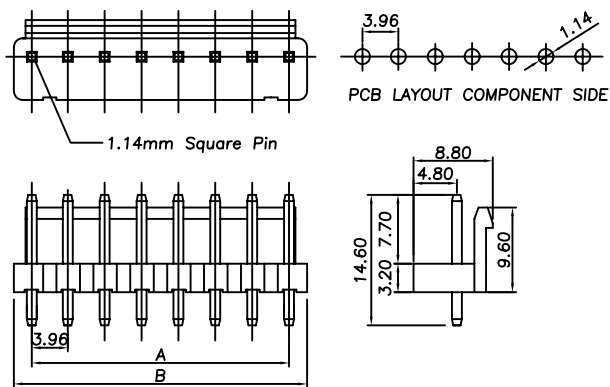
A-A SECTION

B-B SECTION

VH-D-xx



Specifications
Current Rating: 7A AC, DC
Voltage Rating: 250V AC Maximum
Operating Temp: -25°C ~ +85°C
Contact Resistance: 10M OHM Max
Insulation Resistance: 1000M OHM Min
Terminal Material: Brass/Tin-plated
Material: Nylon 66, UL94V-0

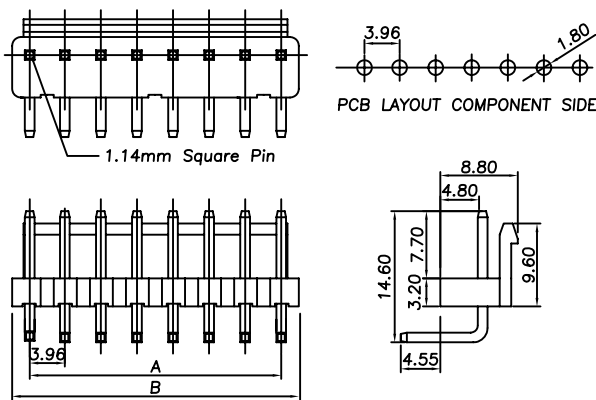


Poles	Dimension mm		Part No.
	A	B	
2	3.96	7.92	VH-D-02
3	7.92	11.92	VH-D-03
4	11.88	15.84	VH-D-04
5	15.84	19.84	VH-D-05
6	19.80	23.80	VH-D-06
7	23.76	27.88	VH-D-07
8	27.72	31.74	VH-D-08
9	31.68	35.86	VH-D-09
10	35.64	39.90	VH-D-10
11	39.60	43.84	VH-D-11
12	43.56	47.92	VH-D-12
13	47.52	51.72	VH-D-13
14	51.48	55.92	VH-D-14

VH-R-xx



Specifications
Current Rating: 7A AC, DC
Voltage Rating: 250V AC Maximum
Operating Temp: -25°C ~ +85°C
Contact Resistance: 20M OHM Max
Insulation Resistance: 1000M OHM Min
Dielectric Withstanding Voltage: 1500V AC, DC Min
Terminal Material: Brass/Tin-plated
Material: Nylon 66, UL94V-0

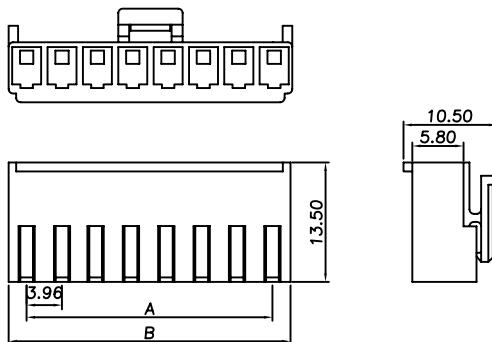


Poles	Dimension mm		Part No.
	A	B	
2	3.96	7.92	VH-R-02
3	7.92	11.92	VH-R-03
4	11.88	15.84	VH-R-04
5	15.84	19.84	VH-R-05
6	19.80	23.80	VH-R-06
7	23.76	27.88	VH-R-07
8	27.72	31.74	VH-R-08
9	31.68	35.86	VH-R-09
10	35.64	39.90	VH-R-10
11	39.60	43.84	VH-R-11
12	43.56	47.92	VH-R-12
13	47.52	51.72	VH-R-13
14	51.48	55.92	VH-R-14

VH-H-xx



Specifications
Material: Nylon 66, UL94V-0



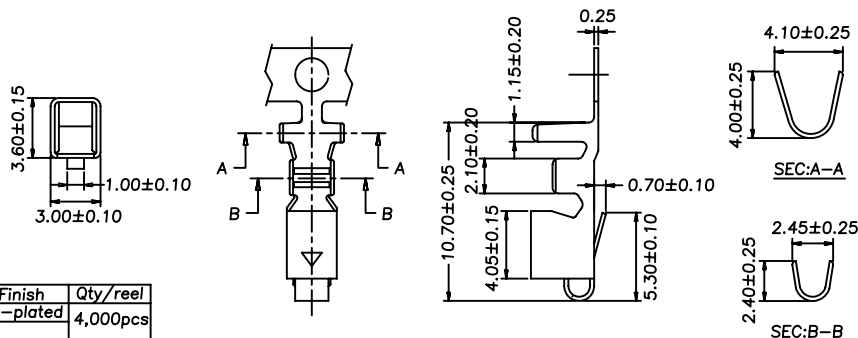
Poles	Dimension mm		Part No.
	A	B	
2	3.96	8.04	VH-H-02
3	7.92	12.10	VH-H-03
4	11.88	15.96	VH-H-04
5	15.84	20.00	VH-H-05
6	19.80	23.90	VH-H-06
7	23.76	27.90	VH-H-07
8	27.72	31.92	VH-H-08
9	31.68	35.88	VH-H-09
10	35.64	39.84	VH-H-10
11	39.60	43.74	VH-H-11
12	43.56	47.74	VH-H-12
13	47.52	51.70	VH-H-13
14	51.48	55.66	VH-H-14

VH-T-18

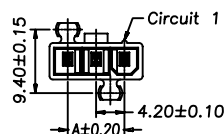


Ordering Information & Specifications

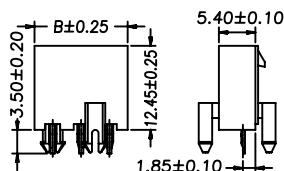
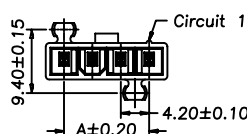
Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
VH-T-18	AWG#18-22	2.80mm(max)	Brass	Tin-plated	4,000pcs



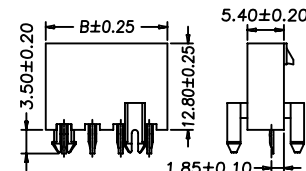
MF-PDP-1Xxx



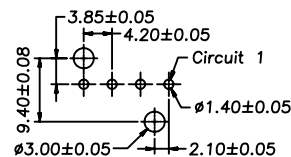
Specifications
Current Rating: 7A AC, DC
Voltage Rating: 250V AC,DC
Operating Temp.: -25°C~+85°C
Contact Resistance: 10M OHM Max
Insulation Resistance: 1000M OHM Min
Withstanding Voltage: 1500V AC,DC Min
Pin Material: Brass/Tin-plated
Material: Nylon 66. UL94V-2



3P



4P.5P

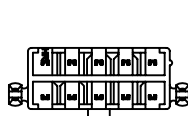


P.C.B LAYOUT

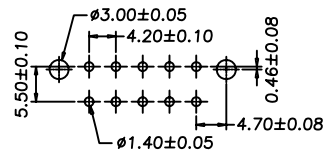
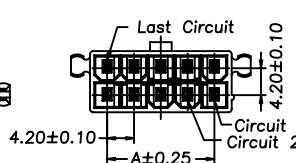
Ordering Information & Dimensions

PART No.	Dimensions	
	A	B
MF-PDP-1X03	8.40	13.80
MF-PDP-1X04	12.60	18.00
MF-PDP-1X05	16.80	22.20

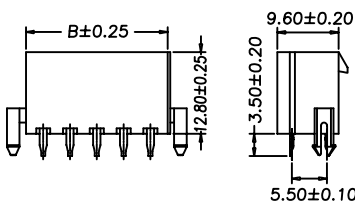
MF-PDP-2Xxx



Specifications
Current Rating: 7A AC, DC
Voltage Rating: 250V AC,DC
Operating Temp: -25°C~+85°C
Contact Resistance: 10M OHM Max
Insulation Resistance: 1000M OHM Min
Withstanding Voltage: 1500V AC,DC Min
Pin Material: Brass/Tin-plated
Material: Nylon 66, UL94V-2



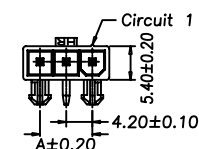
P.C.B LAYOUT



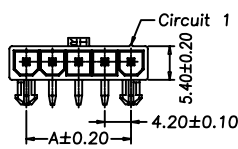
Ordering Information & Dimensions

PART No.	Dimensions	
	A	B
MF-PDP-2X01	---	5.40
MF-PDP-2X02	4.20	9.60
MF-PDP-2X03	8.40	13.80
MF-PDP-2X04	12.60	18.00
MF-PDP-2X05	16.80	22.20
MF-PDP-2X06	21.00	26.40
MF-PDP-2X07	25.20	30.60
MF-PDP-2X08	29.40	34.80
MF-PDP-2X09	33.60	39.00
MF-PDP-2X10	37.80	43.20
MF-PDP-2X11	42.00	47.40
MF-PDP-2X12	46.20	51.60

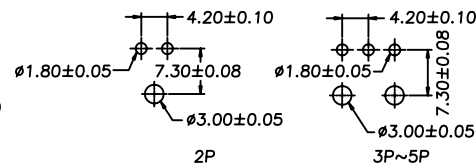
MF-PRP-1Xxx



2P



2P,4P,5P

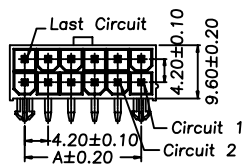


P.C.B LAYOUT

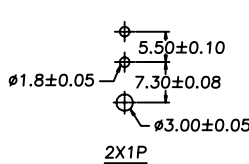
Ordering Information & Dimensions

PART No.	Dimensions	
	A	B
MF-PRP-1X02	4.20	9.60
MF-PRP-1X03	8.40	13.80
MF-PRP-1X04	12.60	18.00
MF-PRP-1X05	16.80	22.20

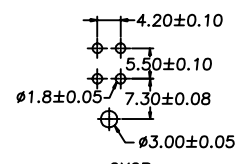
MF-PRP-2Xxx



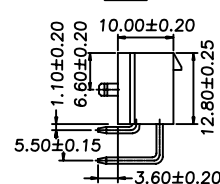
2X3P~2X12P



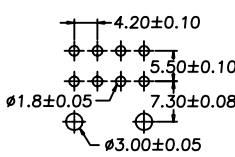
2X1P



2X2P



Technical drawing of a bent pipe. The drawing shows a pipe bent at a 90-degree angle. The horizontal section has a length dimension of 5.50 ± 0.15 . The vertical section has a height dimension of 3.60 ± 0.20 . The drawing is a line drawing with a thick line for the pipe wall and a thin line for the centerline.



2X3P~2X12P
P.C.B LAYOUT

Ordering Information & Dimensions

PART No.	Dimensions	
	A	B
MF-PRP-2X01	---	5.40
MF-PRP-2X02	4.20	9.60
MF-PRP-2X03	8.40	13.80
MF-PRP-2X04	12.60	18.00
MF-PRP-2X05	16.80	22.20
MF-PRP-2X06	21.00	26.40
MF-PRP-2X07	25.20	30.60
MF-PRP-2X08	29.40	34.80
MF-PRP-2X09	33.60	39.00
MF-PRP-2X10	37.80	43.20
MF-PRP-2X11	42.00	47.40
MF-PRP-2X12	46.20	51.60

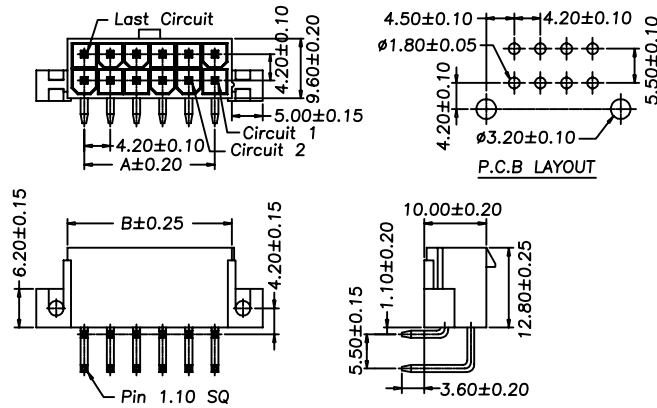
Pin 1.10 SQ

MF-PRE-2Xxx



Specifications

Current Rating: 9A AC, DC
Voltage Rating: 600V AC, DC
Operating Temp: -25°C~+85°C
Contact Resistance: 10M OHM Max
Insulation Resistance: 1000M OHM Min
Withstanding Voltage: 1500V AC, DC Min
Material: Nylon 66, UL94V-2
Color: Natural (Translucent)



Ordering Information & Dimensions

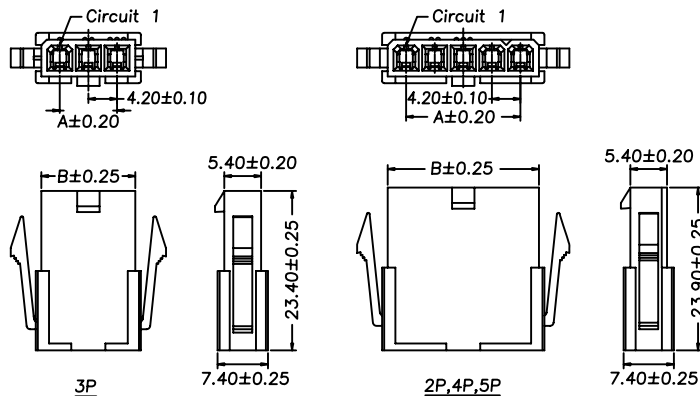
PART No.	Dimensions	
	A	B
MF-PRE-2X01	---	5.40
MF-PRE-2X02	4.20	9.60
MF-PRE-2X03	8.40	13.80
MF-PRE-2X04	12.60	18.00
MF-PRE-2X05	16.80	22.20
MF-PRE-2X06	21.00	26.40
MF-PRE-2X07	25.20	30.60
MF-PRE-2X08	29.40	34.80
MF-PRE-2X09	33.60	39.00
MF-PRE-2X10	37.80	43.20
MF-PRE-2X11	42.00	47.40
MF-PRE-2X12	46.20	51.60

MF-PH-1Xxx



Specifications

Current Rating: 9A AC, DC
Voltage Rating: 600V AC, DC
Operating Temp: -25°C~+85°C
Contact Resistance: 10M OHM Max
Insulation Resistance: 1000M OHM Min
Withstanding Voltage: 1500V AC, DC Min
Material: Nylon 66, UL94V-2
Color: Natural (Translucent)



Ordering Information & Dimensions

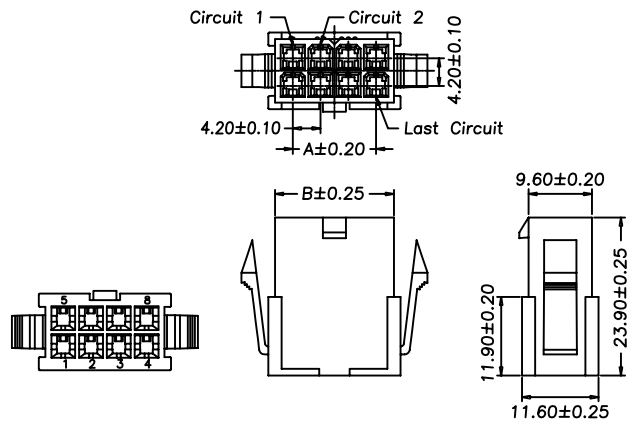
PART No.	Dimensions	
	A	B
MF-PH-1X02	4.20	9.60
MF-PH-1X03	8.40	13.80
MF-PH-1X04	12.60	18.00
MF-PH-1X05	16.80	22.20

MF-PH-2Xxx



Specifications

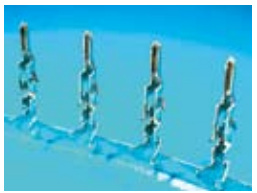
Current Rating: 9A AC, DC
Voltage Rating: 600V AC, DC
Operating Temp: -25°C~+85°C
Contact Resistance: 10M OHM Max
Insulation Resistance: 1000M OHM Min
Withstanding Voltage: 1500V AC, DC Min
Material: Nylon 66, UL94V-2
Color: Natural (Translucent)



Ordering Information & Dimensions

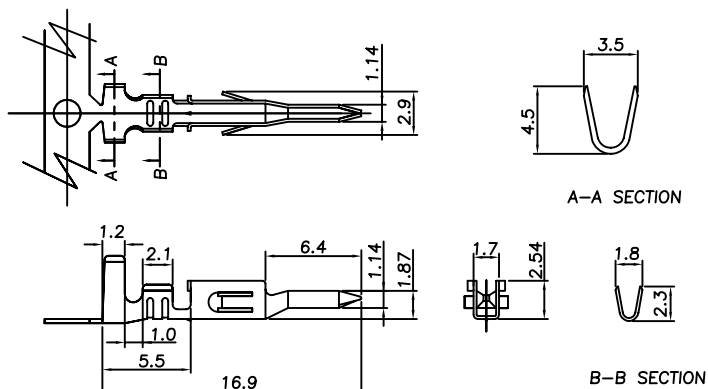
PART No.	Dimensions	
	A	B
MF-PH-2X01	---	5.40
MF-PH-2X02	4.20	9.60
MF-PH-2X03	8.40	13.80
MF-PH-2X04	12.60	18.00
MF-PH-2X05	16.80	22.20
MF-PH-2X06	21.00	26.40
MF-PH-2X07	25.20	30.60
MF-PH-2X08	29.40	34.80
MF-PH-2X09	33.60	39.00
MF-PH-2X10	37.80	43.20
MF-PH-2X11	42.00	47.40
MF-PH-2X12	46.20	51.60

MF-MT-18

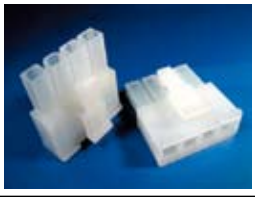


TERMINAL

Material: Brass
Thickness: 0.2mm
Plating: Tin plated 60u"
Wire Range: Suitable for AWC#18~22
Insulation O.D: 3.0mm(max)
Q'TY: 5,000 pcs/roll

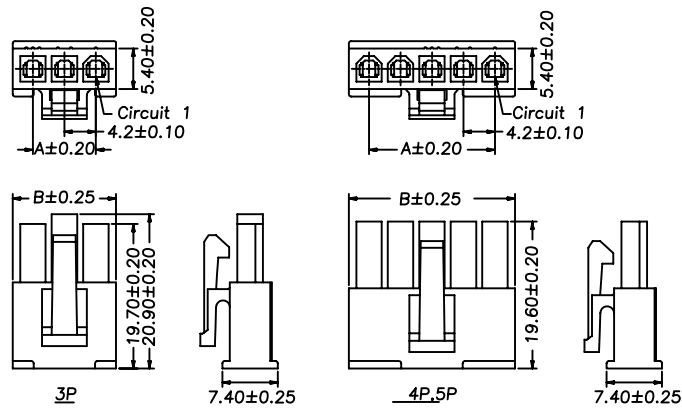


MF-SH-1Xxx



Specifications

Current Rating: 7A AC, DC
Voltage Rating: 250V AC, DC
Operating Temp: -25°C~+85°C
Contact Resistance: 10M OHM Max
Insulation Resistance: 1000M OHM Min
Withstanding Voltage: 1500V AC, DC Min
Material: Nylon 66, UL94V-2



Ordering Information & Dimensions

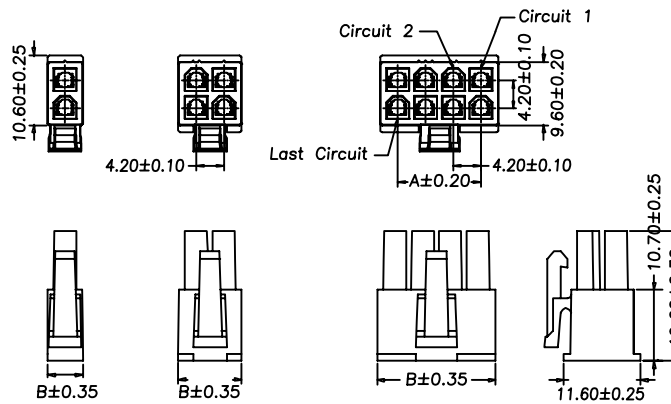
PART No.	Dimensions	
	A	B
MF-SH-1X03	8.40	13.80
MF-SH-1X04	12.60	18.00
MF-SH-1X05	16.80	22.20

MF-SH-2Xxx



Specifications

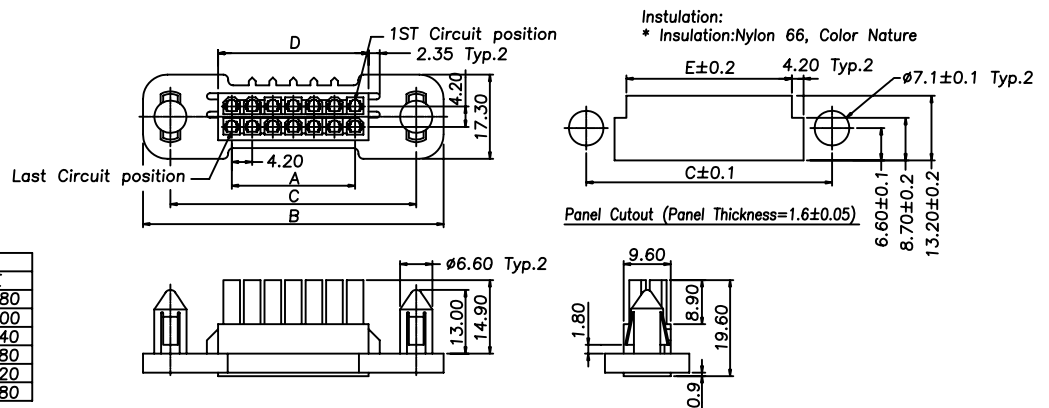
Current Rating: 9A AC, DC
Voltage Rating: 600V AC, DC
Operating Temp: -25°C~+85°C
Contact Resistance: 10M OHM Max
Insulation Resistance: 1000M OHM Min
Withstanding Voltage: 1500V AC, DC Min
Material: Nylon 66, UL94V-2
Color: Natural (Translucent)



Ordering Information & Dimensions

PART No.	Dimensions	
	A	B
MF-SH-2X01	---	5.70
MF-SH-2X02	4.20	9.60
MF-SH-2X03	8.40	13.80
MF-SH-2X04	12.60	18.00
MF-SH-2X05	16.80	22.20
MF-SH-2X06	21.00	26.40
MF-SH-2X07	25.20	30.60
MF-SH-2X08	29.40	34.80
MF-SH-2X09	33.60	39.00
MF-SH-2X10	37.80	43.20
MF-SH-2X11	42.00	47.40
MF-SH-2X12	46.20	51.60

MFB-SH-2Xxx



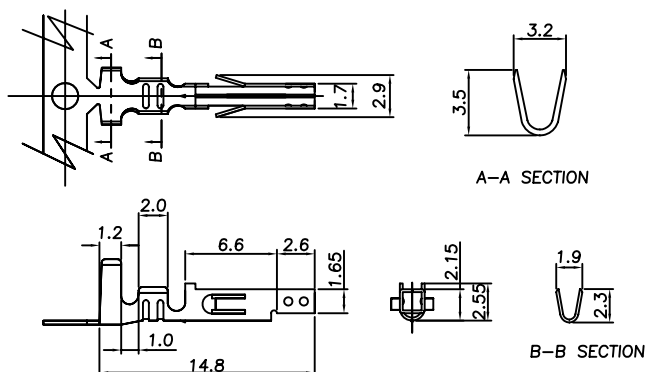
Circuits	Dimensions				
	A	B	C	D	E
4	4.20	40.40	29.20	9.70	12.80
6	8.40	44.60	33.40	13.90	17.00
10	16.80	53.00	41.80	22.30	25.40
14	25.20	61.40	50.20	30.70	33.80
18	33.60	69.80	58.60	39.10	42.20
24	46.20	82.40	71.20	51.70	54.80

MF-FT-18



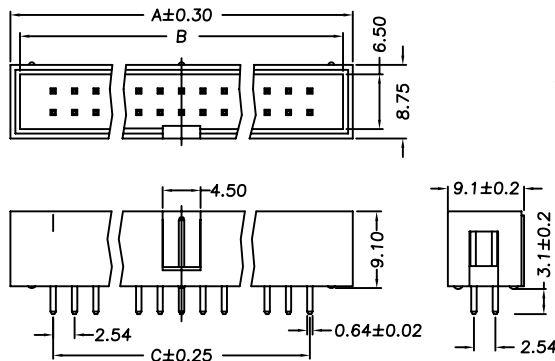
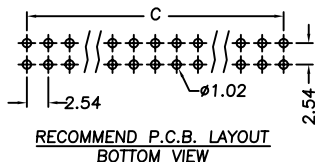
TERMINAL

Material: Brass
Thickness: 0.2mm
Plating: Tin plated 60u"
Wire Range: Suitable for AWG#18~22
Insulation O.D: 2.8mm(max)
Q'TY: 7,000 pcs/roll



2.54mm Connectors

B-D-xx



MATERIALS

1. HOUSING : P.B.T. (UL 94V-0), BLACK.

SPECIFICATION

1. CURRENT RATING : 3 AMP. MAX.

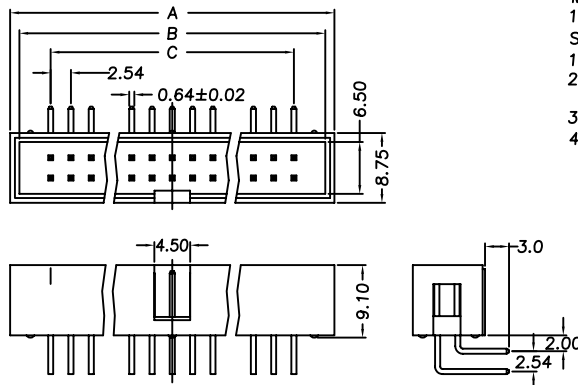
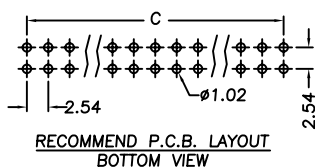
2. INSULATION RESISTANCE : 5000M OHM Min.
AT DC 500V

3. CONTACT RESISTANCE:20m ohm Max. AT DC 100mA

4. OPERATING TEMPERATURE : -55°C TO +105°C.

Poles	DIMENSIONS			Poles	DIMENSIONS		
	A	B	C		A	B	C
6	15.24	12.94	5.08	26	40.64	38.34	30.48
8	17.78	15.48	7.62	30	45.72	43.42	35.56
10	20.32	18.02	10.16	34	50.80	48.50	40.64
12	22.86	20.56	12.70	40	58.42	56.12	48.26
14	25.40	23.10	15.24	44	63.50	61.20	53.34
16	27.94	25.64	17.78	50	71.12	68.82	60.96
20	33.02	30.72	22.86	60	83.82	81.52	73.66
24	38.10	35.80	27.94	64	88.90	86.60	78.74

B-R-xx



MATERIALS

1. HOUSING : P.B.T. (UL 94V-0), BLACK.

SPECIFICATION

1. CURRENT RATING : 3 AMP. MAX.

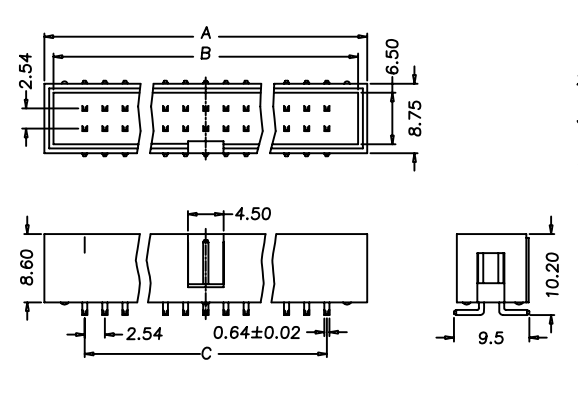
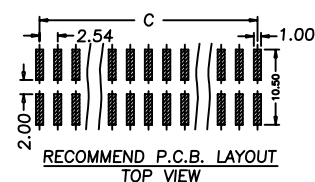
2. INSULATION RESISTANCE : 5000M OHM Min.
AT DC 500V

3. CONTACT RESISTANCE:20m ohm Max. AT DC 100mA

4. OPERATING TEMPERATURE : -55°C TO +105°C.

Poles	DIMENSIONS			Poles	DIMENSIONS		
	A	B	C		A	B	C
6	15.24	12.94	5.08	26	40.64	38.34	30.48
8	17.78	15.48	7.62	30	45.72	43.42	35.56
10	20.32	18.02	10.16	34	50.80	48.50	40.64
12	22.86	20.56	12.70	40	58.42	56.12	48.26
14	25.40	23.10	15.24	44	63.50	61.20	53.34
16	27.94	25.64	17.78	50	71.12	68.82	60.96
20	33.02	30.72	22.86	60	83.82	81.52	73.66
24	38.10	35.80	27.94	64	88.90	86.60	78.74

B-V-xx



MATERIALS

1. HOUSING : NYLON 6T (UL 94V-0), BLACK.

SPECIFICATION

1. CURRENT RATING : 3 AMP. MAX.

2. INSULATION RESISTANCE : 5000M OHM Min.
AT DC 500V

3. CONTACT RESISTANCE:20m ohm Max. AT DC 100mA

4. OPERATING TEMPERATURE : -55°C TO +105°C.

5. MAX. PROCESSING TEMPERATURE:
230° FOR 30~60 SECONDS.

Poles	DIMENSIONS			Poles	DIMENSIONS		
	A	B	C		A	B	C
6	15.24	12.94	5.08	26	40.64	38.34	30.48
8	17.78	15.48	7.62	30	45.72	43.42	35.56
10	20.32	18.02	10.16	34	50.80	48.50	40.64
12	22.86	20.56	12.70	40	58.42	56.12	48.26
14	25.40	23.10	15.24	44	63.50	61.20	53.34
16	27.94	25.64	17.78	50	71.12	68.82	60.96
20	33.02	30.72	22.86	60	83.82	81.52	73.66
24	38.10	35.80	27.94	64	88.90	86.60	78.74

F-C2-xx



MATERIALS

Insulator : PBT+30% Glass Fiber (UL 94V-0)

Contact Plated : Gold or Tin over Nickel Plated

SPECIFICATION

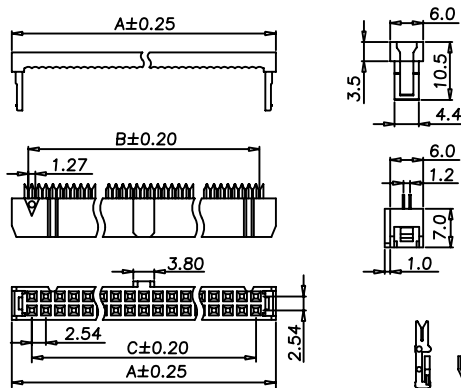
Current Rating : 1 Amp

Withstanding Voltage: AC 500V for 1 Minute.

Insulation Resistance : 1000M OHM Min at DC 500V.

Contact Resistance: 15m ohm Max.

Operating Temperature : -40°C TO +105°C.



Poles	A	B	C
6	12.32	6.35	5.08
8	14.86	8.89	7.62
10	17.40	11.43	10.16
12	19.94	13.97	12.70
14	22.48	16.51	15.24
16	25.02	19.05	17.78
18	27.56	21.59	20.32
20	30.10	24.13	22.86
24	35.18	29.21	27.94
26	37.72	31.75	30.48
30	42.80	36.83	35.56
34	47.88	41.91	40.64
36	50.42	44.45	43.18
40	55.50	49.53	48.26
44	60.58	54.61	53.34
50	68.20	62.23	60.96
60	80.90	74.93	73.66
64	85.98	80.01	78.74

F-C3-xx

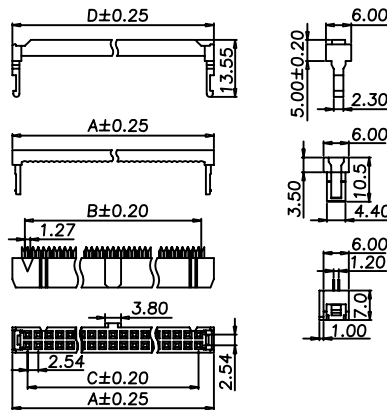


MATERIALS

Insulator : PBT+30% Glass Fiber (UL 94V-0)
Contact Plated : Gold or Tin over Nickel Plated

SPECIFICATION

Current Rating : 1 Amp
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance : 1000M OHM Min at DC 500V.
Contact Resistance: 15m ohm Max.
Operating Temperature : -40°C TO +105°C.



CONTACT

Poles	Dim. A	Dim. B	Dim. C	Dim. D
6	12.32	6.35	5.08	12.12
8	14.86	8.89	7.62	14.66
10	17.40	11.43	10.16	17.20
12	19.94	13.97	12.70	19.74
14	22.48	16.51	15.24	22.28
16	25.02	19.05	17.78	24.82
18	27.56	21.59	20.32	27.36
20	30.10	24.13	22.86	29.90
24	35.18	29.21	27.94	34.98
26	37.72	31.75	30.48	37.52
30	42.80	36.83	35.56	42.80
34	47.88	41.91	40.64	47.68
36	50.42	44.45	43.18	50.22
40	55.50	49.53	48.26	55.30
44	60.58	54.61	53.34	60.38
50	68.20	62.23	60.96	68.40
60	80.90	74.93	73.66	80.70
64	85.98	80.01	78.74	85.78

L-D-xx

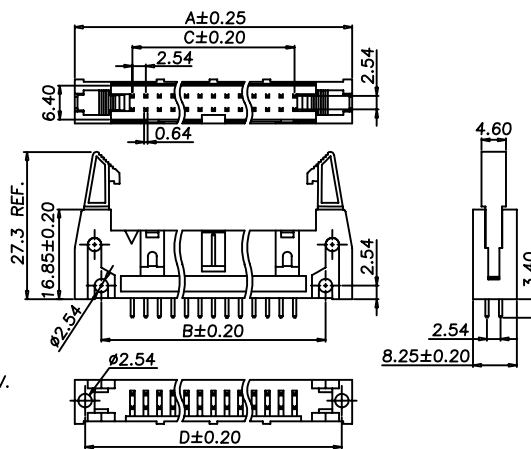


MATERIALS

Insulator : PBT+30% Glass Fiber (UL 94V-0)
Contact Plated : Gold or Tin over Nickel Plated

SPECIFICATION

Current Rating : 3 Amp
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance : 1000M OHM Min at DC 500V.
Contact Resistance: 15m ohm Max.
Operating Temperature : -40°C TO +105°C.
Contact Plating: Gold Flash



Poles	Dim. A	Dim. B	Dim. C	Dim. D
10	31.90	21.84	10.16	27.94
14	36.98	26.92	15.24	33.02
16	39.52	29.46	17.78	35.56
20	44.60	34.54	22.86	40.64
24	49.68	39.62	27.94	45.72
26	52.22	42.16	30.48	48.26
30	57.30	47.24	35.56	53.34
34	62.38	52.32	40.64	58.42
40	70.00	59.94	48.26	66.04
50	82.70	72.64	60.96	78.74
60	95.40	85.34	73.66	91.44
64	100.48	90.42	78.74	96.52

L-DS-xx

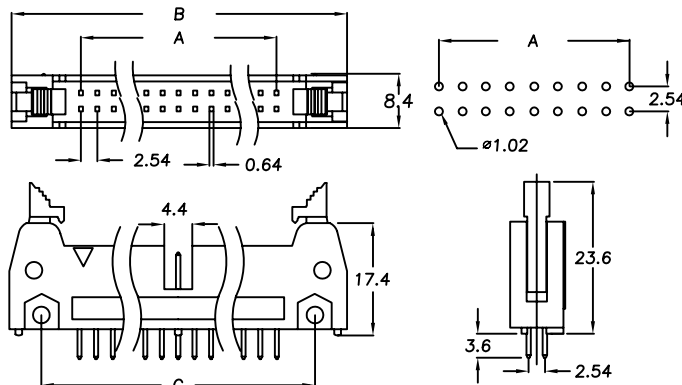


MATERIALS

Insulator : PBT rated (UL 94V-0)
Contact Plated : Gold flash or Tin over Nickel Plated

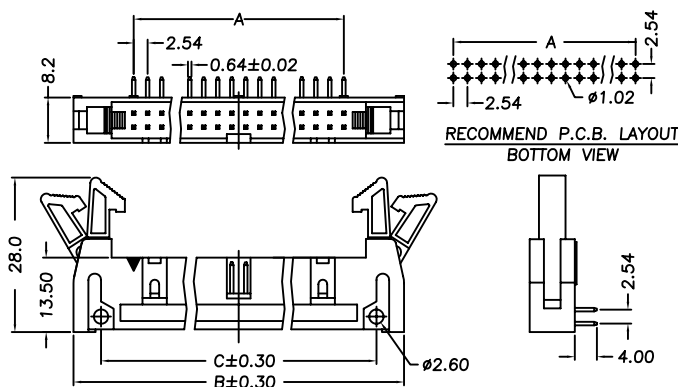
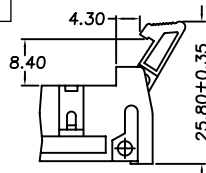
SPECIFICATION

Current Rating : 3 Amp
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance : 5000M OHM Min at DC 500V.
Contact Resistance: 20m ohm Max.
Operating Temperature : -55°C TO +105°C.



Poles	A	B	C
10	10.16	32.00	21.84
14	15.24	37.08	26.92
16	17.78	39.62	29.46
20	22.86	44.70	34.54
24	27.94	49.78	39.62
26	30.48	52.32	42.16
30	35.56	57.40	47.24
34	40.64	62.48	52.32
40	48.26	70.10	59.94
50	60.96	82.80	72.64
60	73.66	95.50	85.34
64	78.74	100.58	90.42

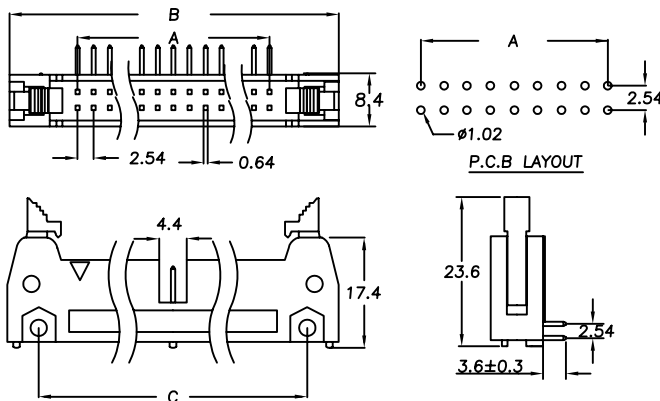
L-R-xx



RECOMMEND P.C.B. LAYOUT
BOTTOM VIEW

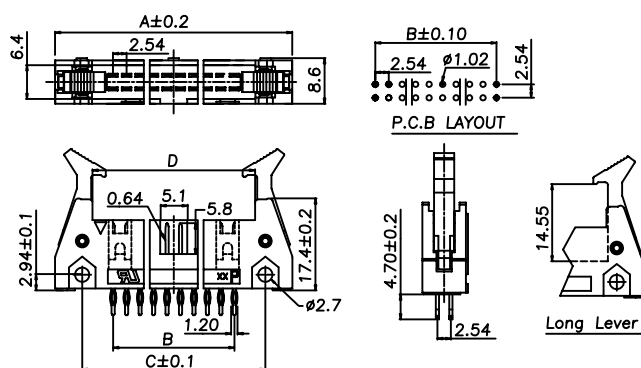
Poles	A	B	C
10	10.16	32.00	21.84
14	15.24	37.08	26.92
16	17.78	39.62	29.46
20	22.86	44.70	34.54
24	27.94	49.78	39.62
26	30.48	52.32	42.16
30	35.56	57.40	47.24
34	40.64	62.48	52.32
40	48.26	70.10	59.94
50	60.96	82.80	72.64
60	73.66	95.50	85.34
64	78.74	100.58	90.42

Operating Temperature : -55°C TO $+105^{\circ}\text{C}$.



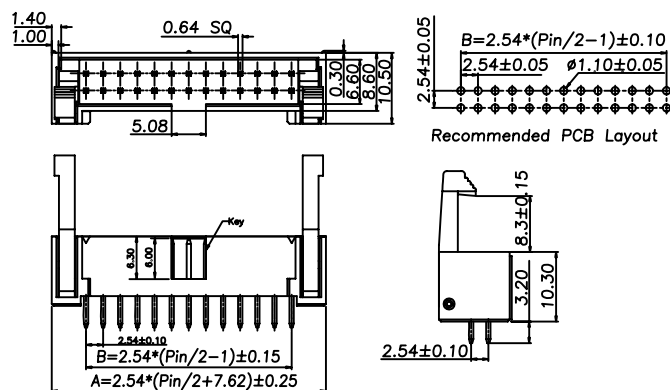
Poles	A	B	C
10	10.16	32.00	21.84
14	15.24	37.08	26.92
16	17.78	39.62	29.46
20	22.86	44.70	34.54
24	27.94	49.78	39.62
26	30.48	52.32	42.16
30	35.56	57.40	47.24
34	40.64	62.48	52.32
40	48.26	70.10	59.94
50	60.96	82.80	72.64
60	73.66	95.50	85.34
64	78.74	100.58	90.42

Housing : 30%
 Contact : Brass



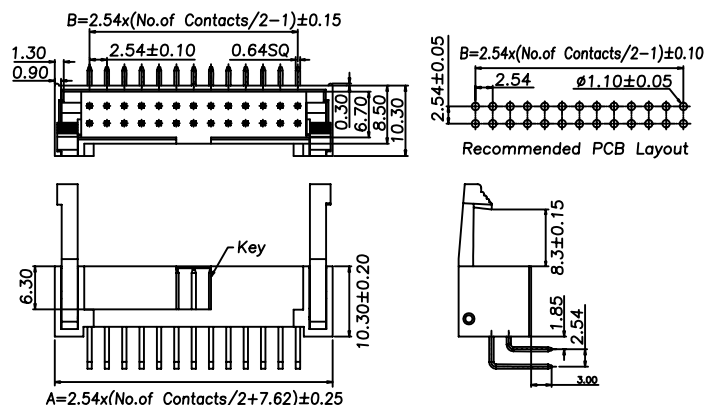
Poles	Dim.A	Dim.B	Dim.C	Dim.D
10	31.88	10.16	21.84	17.96
14	37.02	15.24	26.92	23.04
16	39.52	17.78	29.46	25.58
20	44.74	22.86	34.54	30.66
26	52.20	30.48	42.16	38.28
30	57.28	35.56	47.24	43.36
34	62.40	40.64	52.32	48.44
40	70.04	48.26	59.94	56.06
50	82.72	60.96	72.64	68.76
60	95.40	73.66	85.34	81.46
64	100.50	78.74	90.42	86.54

Dielectric Withstanding: 600V AC/Minute



Poles	Dim.A	Dim.B	Poles	Dim.A	Dim.B	Poles	Dim.A	Dim.B
6	15.24	5.08	16	27.94	17.78	34	50.80	40.64
8	17.78	7.62	20	33.02	22.86	40	58.42	48.26
10	20.32	10.16	24	38.10	27.94	50	71.12	60.96
12	22.86	12.70	26	40.64	30.48	60	83.82	73.66
14	25.40	15.24	30	45.72	35.56	64	88.90	78.74

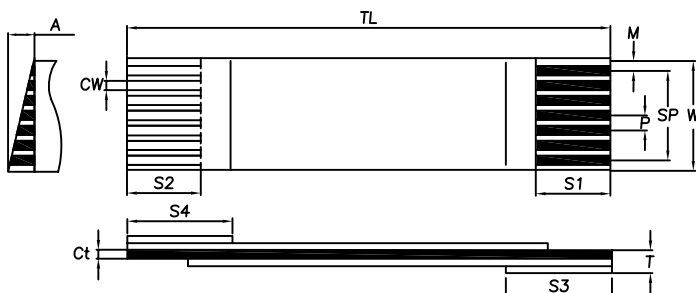
Dielectric Withstanding: 600V AC/Minute



Poles	Dim.A	Dim.B	Poles	Dim.A	Dim.B	Poles	Dim.A	Dim.B
6	15.24	5.08	16	27.94	17.78	34	50.80	40.64
8	17.78	7.62	20	33.02	22.86	40	58.42	48.26
10	20.32	10.16	24	38.10	27.94	50	71.12	60.96
12	22.86	12.70	26	40.64	30.48	60	83.82	73.66
14	25.40	15.24	30	45.72	35.56	64	88.90	78.74

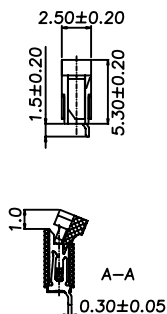
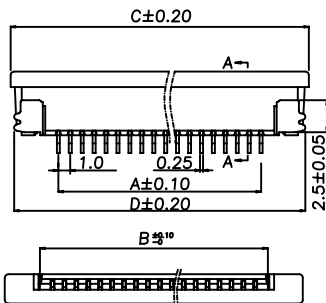
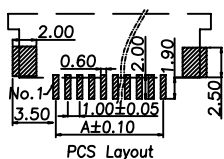
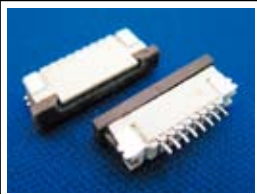
1.00mm Connectors

FPA-CB25-130



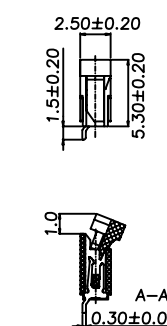
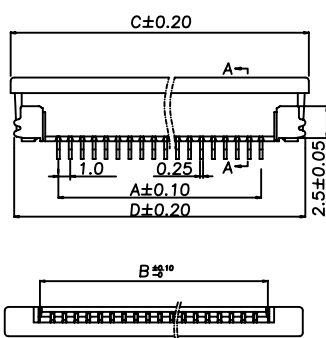
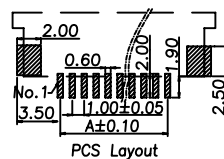
SYMBOL	P	W	SP	M	A	TL	T	S1	S2	S3	S4
PANGE	1.0	26.0	24.0	1.0	0	130	0.3	4	4	8	8
TOLERANCE	±0.08	±0.12	±0.1	±0.15	<0.5	±2.0	±0.05	±1.0	±1.0	±1.0	±1.0
CONDUCTOR SPECIFICATION	Tin Properties Copper wire (Tin 2~5u)					THICKNESS (Ct)	0.05		±0.01		
						WIDTH (Cw)	0.65		±0.03		

FPA-WZA25-xx



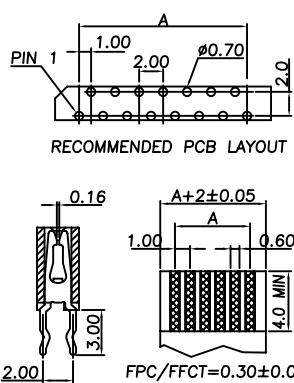
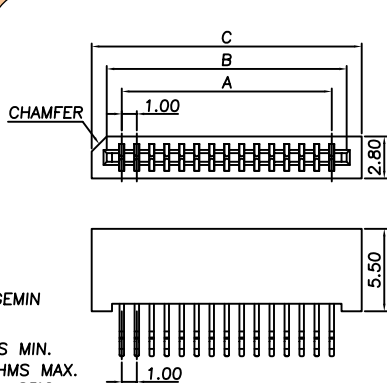
Poles	Dim.A	Dim.B	Dim.C	Dim.D	Poles	Dim.A	Dim.B	Dim.C	Dim.D
04	3	5.2	9.2	11	20	19	21.2	25.2	27
05	4	6.2	10.2	12	21	20	22.2	26.2	28
06	5	7.2	11.2	13	22	21	23.2	27.2	29
07	6	8.2	12.2	14	23	22	24.2	28.2	30
08	7	9.2	13.2	15	24	23	25.2	29.2	31
09	8	10.2	14.2	16	25	24	26.2	30.2	32
10	9	11.2	15.2	17	26	25	27.2	31.2	33
11	10	12.2	16.2	18	27	26	28.2	32.2	34
12	11	13.2	17.2	19	28	27	29.2	33.2	35
13	12	14.2	18.2	20	29	28	30.2	34.2	36
14	13	15.2	19.2	21	30	29	31.2	35.2	37
15	14	16.2	20.2	22	31	30	32.2	36.2	38
16	15	17.2	21.2	23	32	31	33.2	37.2	39
17	16	18.2	22.2	24	33	32	34.2	38.2	40
18	17	19.2	23.2	25	34	33	35.2	39.2	41
19	18	20.2	24.2	26	35	34	36.2	40.2	42

FPA-WZB25-xx



Poles	Dim.A	Dim.B	Dim.C	Dim.D	Poles	Dim.A	Dim.B	Dim.C	Dim.D
04	3	5.2	9.2	11	20	19	21.2	25.2	27
05	4	6.2	10.2	12	21	20	22.2	26.2	28
06	5	7.2	11.2	13	22	21	23.2	27.2	29
07	6	8.2	12.2	14	23	22	24.2	28.2	30
08	7	9.2	13.2	15	24	23	25.2	29.2	31
09	8	10.2	14.2	16	25	24	26.2	30.2	32
10	9	11.2	15.2	17	26	25	27.2	31.2	33
11	10	12.2	16.2	18	27	26	28.2	32.2	34
12	11	13.2	17.2	19	28	27	29.2	33.2	35
13	12	14.2	18.2	20	29	28	30.2	34.2	36
14	13	15.2	19.2	21	30	29	31.2	35.2	37
15	14	16.2	20.2	22	31	30	32.2	36.2	38
16	15	17.2	21.2	23	32	31	33.2	37.2	39
17	16	18.2	22.2	24	33	32	34.2	38.2	40
18	17	19.2	23.2	25	34	33	35.2	39.2	41
19	18	20.2	24.2	26	35	34	36.2	40.2	42

FPA-DL2L-xx

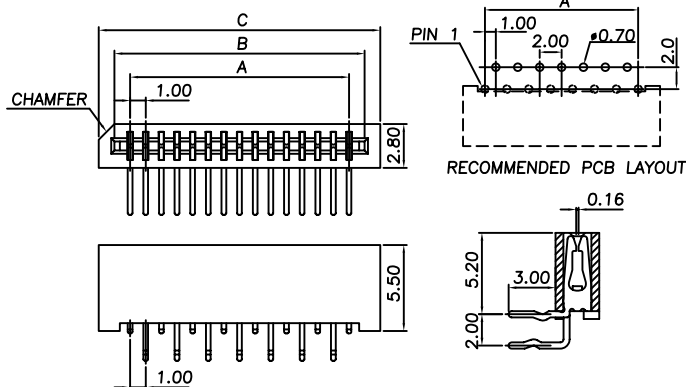
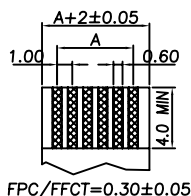


■ DIMENSION TABLE

Poles	Dimension			Poles	Dimension		
	A	B	C		A	B	C
2	1.0	3.1	5	20	19.0	21.1	23
3	2.0	4.1	6	21	20.0	22.1	24
4	3.0	5.1	7	22	21.0	23.1	25
5	4.0	6.1	8	23	22.0	24.1	26
6	5.0	7.1	9	24	23.0	25.1	27
7	6.0	8.1	10	25	24.0	26.1	28
8	7.0	9.1	11	26	25.0	27.1	29
9	8.0	10.1	12	27	26.0	28.1	30
10	9.0	11.1	13	28	27.0	29.1	31
11	10.0	12.1	14	29	28.0	30.1	32
12	11.0	13.1	15	30	29.0	31.1	33
13	12.0	14.1	16	31	30.0	32.1	34
14	13.0	15.1	17	32	31.0	33.1	35
15	14.0	16.1	18	33	32.0	34.1	36
16	15.0	17.1	19	34	33.0	35.1	37
17	16.0	18.1	20	35	34.0	36.1	38
18	17.0	19.1	21	36	35.0	37.1	39
19	18.0	20.1	22				

ELECTRICAL
 CURRENT RATING: 0.5 AMP.
 DIELECTRIC WITHSTANDING VOLTAGE MIN.
 : 500 VAC MIN.
 INSULATION RESISTANCE
 : 1000 MEGAOHMS MIN.
 CONTACT RESISTANCE: 30 MILLIOHMS MAX.
 TEMPERATURE RANGE: -55°C TO +85°C.

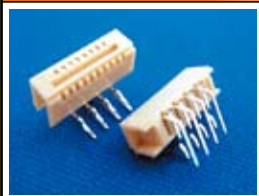
FPA-RL2L-xx



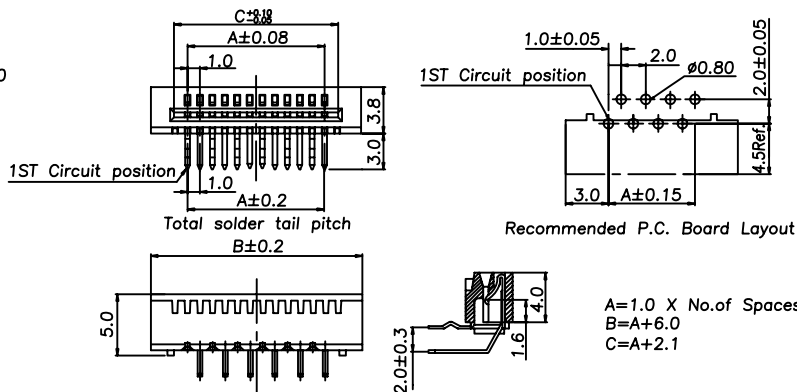
■ DIMENSION TABLE

Poles	Dimension			Poles	Dimension		
	A	B	C		A	B	C
2	1.0	3.1	5	20	19.0	21.1	23
3	2.0	4.1	6	21	20.0	22.1	24
4	3.0	5.1	7	22	21.0	23.1	25
5	4.0	6.1	8	23	22.0	24.1	26
6	5.0	7.1	9	24	23.0	25.1	27
7	6.0	8.1	10	25	24.0	26.1	28
8	7.0	9.1	11	26	25.0	27.1	29
9	8.0	10.1	12	27	26.0	28.1	30
10	9.0	11.1	13	28	27.0	29.1	31
11	10.0	12.1	14	29	28.0	30.1	32
12	11.0	13.1	15	30	29.0	31.1	33
13	12.0	14.1	16	31	30.0	32.1	34
14	13.0	15.1	17	32	31.0	33.1	35
15	14.0	16.1	18	33	32.0	34.1	36
16	15.0	17.1	19	34	33.0	35.1	37
17	16.0	18.1	20	35	34.0	36.1	38
18	17.0	19.1	21	36	35.0	37.1	39
19	18.0	20.1	22				

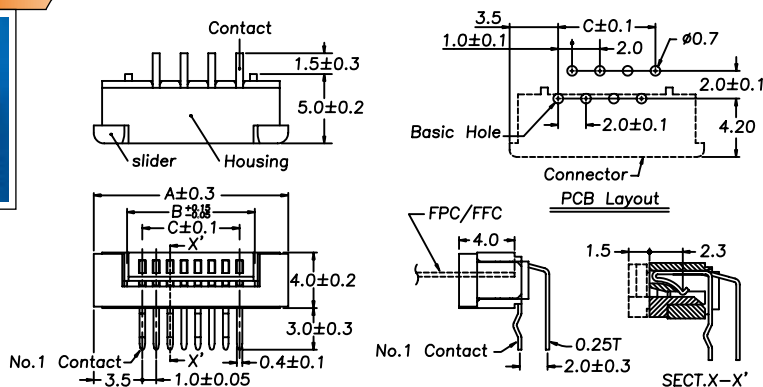
FPA-RLAL-xx



Material: Nylon 6T UL 94V-0
Color: Nature
Contact: Phosphor Bronze



FPA-RZAL50-xx



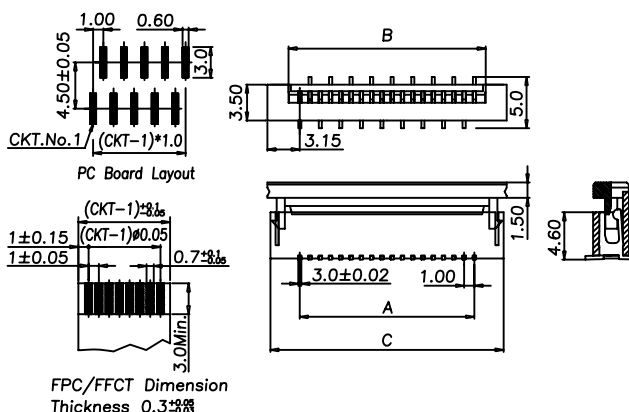
■ DIMENSION TABLE

Poles	Dimension			Poles	Dimension		
	A	B	C		A	B	C
4	10.0	5.2	3	19	25.0	20.2	18
5	11.0	6.2	4	20	26.0	21.2	19
6	12.0	7.2	5	21	27.0	22.2	20
7	13.0	8.2	6	22	28.0	23.2	21
8	14.0	9.2	7	23	29.0	24.2	22
9	15.0	10.2	8	24	30.0	25.2	23
10	16.0	11.2	9	25	31.0	26.2	24
11	17.0	12.2	10	26	32.0	27.2	25
12	18.0	13.2	11	27	33.0	28.2	26
13	19.0	14.2	12	28	34.0	29.2	27
14	20.0	15.2	13	29	35.0	30.2	28
15	21.0	16.2	14	30	36.0	31.2	29
16	22.0	17.2	15	31	37.0	32.2	30
17	23.0	18.2	16	32	38.0	33.2	31
18	24.0	19.2	17				

FPA-VZAL61-xx



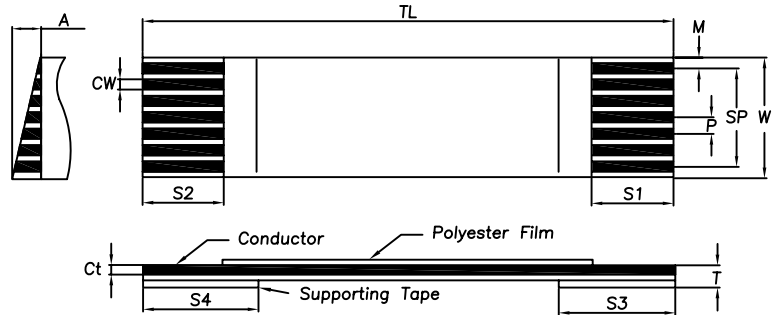
Material: Insulator: L.C.P
Cover: L.C.P
Terminal: Phosphor Bronze



16	15.00	17.20	21.00	30	29.00	31.20	35.00
15	14.00	16.20	20.00	29	28.00	30.20	34.00
14	13.00	15.20	19.00	28	27.00	29.20	33.00
13	12.00	14.20	18.00	27	26.00	28.20	32.00
12	11.00	13.20	17.00	26	25.00	27.20	31.00
11	10.00	12.20	16.00	25	24.00	26.20	30.00
10	9.00	11.20	15.00	24	23.00	25.20	29.00
09	8.00	10.20	14.00	23	22.00	24.20	28.00
08	7.00	9.20	13.00	22	21.00	23.20	27.00
07	6.00	8.20	12.00	21	20.00	22.20	26.00
06	5.00	7.20	11.00	20	19.00	21.20	25.00
05	4.00	6.20	10.00	19	18.00	20.20	24.00
04	3.00	5.20	9.00	18	17.00	19.20	23.00
03	2.00	4.20	8.00	17	16.00	18.20	22.00
CKT	DIM A	DIM B	DIM C	CKT	DIM A	DIM B	DIM C

1.25mm Connectors

FPB-CA26-600



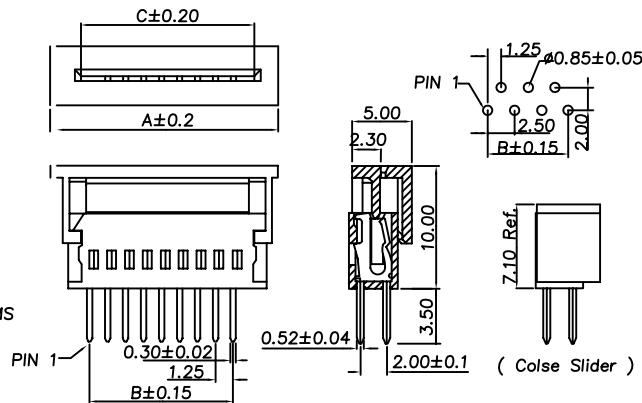
UL NO.: E254391												
SYMBOL	P	W	SP	M	A	TL	T	S1	S2	S3	S4	
PANGE	1.25	33.75	31.25	1.25	0	600	0.3	4	4	8	8	
TOLERANCE	±0.10	±0.15	±0.15	±0.15	<0.5	±3.0	±0.05	±1.0	±1.0	±2.0	±2.0	
CONDUCTOR SPECIFICATION	Tin Properties Copper wire (Tin 1μ以上)				THICKNESS (Ct)		0.1		±0.005			
					WIDTH (Cw)		0.8		±0.03			

FPB-DZAL-xx



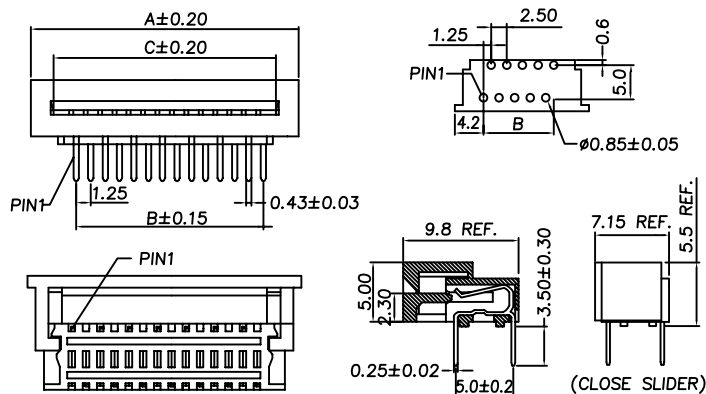
SPECIFICATIONS

Operating Voltage : 200V AC Max.
 Current Rating : 1AMP Max.
 Dielectric Withstanding Voltage: 500V AC RMS
 Insulator Resistance : 500 Megohms Max.
 Contact Resistance : 20 Milliohms Max.
 Durability: 40 Milliohms Max.
 After 20 Insertions And Withdraw



Dimension				Dimension			
Poles	A	B	C	Poles	A	B	C
4	11.45	3.75	6.45	18	28.95	21.25	23.95
5	12.70	5.00	7.70	19	30.20	22.50	25.20
6	13.95	6.20	8.95	20	31.45	23.75	26.45
7	15.20	7.50	10.20	21	32.70	25.00	27.70
8	16.45	8.75	11.45	22	33.95	26.25	28.95
9	17.70	10.00	12.70	23	35.20	27.50	30.20
10	18.95	11.25	13.95	24	36.45	28.75	31.45
11	20.20	12.50	15.20	25	37.70	30.00	32.70
12	21.45	13.75	16.45	26	38.95	31.25	33.95
13	22.70	15.00	17.70	27	40.20	32.50	35.20
14	23.95	16.25	18.95	28	41.45	33.75	36.45
15	25.20	17.50	20.20	29	42.70	35.00	37.70
16	26.45	18.75	21.45	30	43.95	36.25	38.95
17	27.70	20.00	22.70				

FPB-RZAL-xx



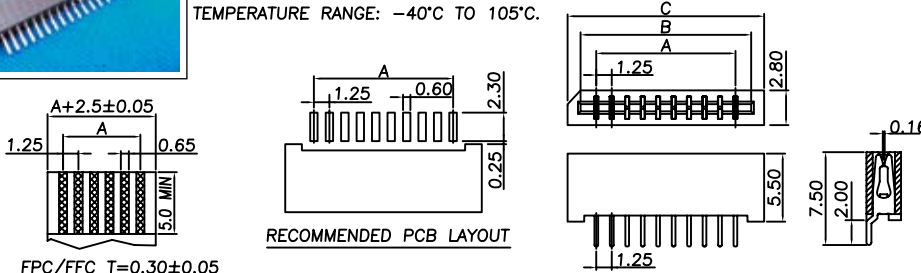
Dimension				Dimension			
Poles	A	B	C	Poles	A	B	C
4	11.45	3.75	6.45	18	28.95	21.25	23.95
5	12.70	5.00	7.70	19	30.20	22.50	25.20
6	13.95	6.20	8.95	20	31.45	23.75	26.45
7	15.20	7.50	10.20	21	32.70	25.00	27.70
8	16.45	8.75	11.45	22	33.95	26.25	28.95
9	17.70	10.00	12.70	23	35.20	27.50	30.20
10	18.95	11.25	13.95	24	36.45	28.75	31.45
11	20.20	12.50	15.20	25	37.70	30.00	32.70
12	21.45	13.75	16.45	26	38.95	31.25	33.95
13	22.70	15.00	17.70	27	40.20	32.50	35.20
14	23.95	16.25	18.95	28	41.45	33.75	36.45
15	25.20	17.50	20.20	29	42.70	35.00	37.70
16	26.45	18.75	21.45	30	43.95	36.25	38.95
17	27.70	20.00	22.70				

FPB-WL2-xx



ELECTRICAL
 CURRENT RATING: 0.5 AMP.
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC MIN.
 INSULATION RESISTANCE: 1000 MEGAHOHMS MIN.
 CONTACT RESISTANCE: 30 MILLIOHMS MAX.
 TEMPERATURE RANGE: -40°C TO 105°C.

MATERIAL
 INSULATOR: GLASS-REINFORCED THERMOPLASTIC.
 CONTACT: COPPER ALLOY.
 TIN PLATED OVER NICKEL



Circuits				Circuits			
A	B	C		A	B	C	
2	1.25	3.80	5.90	20	23.75	26.30	28.40
3	2.50	5.05	7.15	21	25.00	27.55	29.65
4	3.75	6.30	8.40	22	26.25	28.80	30.90
5	5.00	7.55	9.65	23	27.50	30.05	32.15
6	6.25	8.80	10.90	24	28.75	31.30	33.40
7	7.50	10.05	12.15	25	30.00	32.55	34.65
8	8.75	11.30	13.40	26	31.25	33.80	35.90
9	10.00	12.55	14.65	27	32.50	35.05	37.15
10	11.25	13.80	15.90	28	33.75	36.30	38.40
11	12.50	15.05	17.15	29	35.00	37.55	39.65
12	13.75	16.30	18.40	30	36.25	38.80	40.90
13	15.00	17.55	19.65	31	37.50	40.05	42.15
14	16.25	18.80	20.90	32	38.75	41.30	43.40
15	17.50	20.05	22.15	33	40.00	42.55	44.65
16	18.75	21.30	23.40	34	41.25	43.80	45.90
17	20.00	22.55	24.65	35	42.50	45.05	47.15
18	21.25	23.80	25.90	36	43.75	46.30	48.40
19	22.50	25.05	27.15				

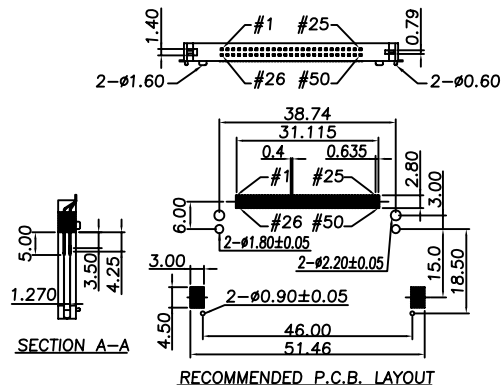
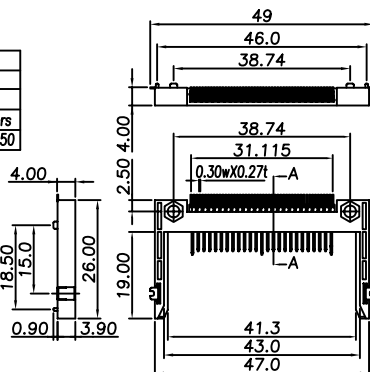
CF Card Connectors

CFC-PW38CE001-50



Pin Type	Interface Dim.	Pin No.
Detect	3.5mm (0.138in.)	25,26
General	4.25mm (0.167in.)	The others
Power	5.0mm (0.197in.)	01,13,38,50

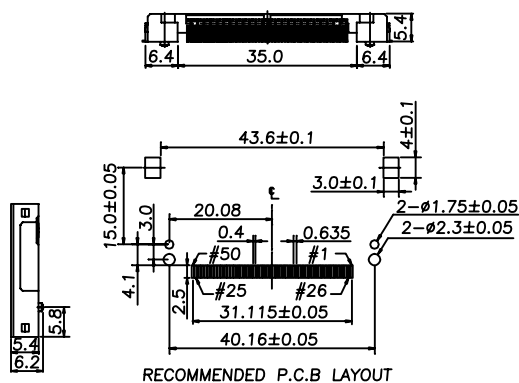
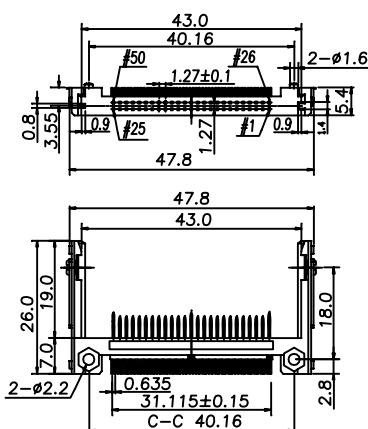
MATERIAL
HOUSING: HIGH TEMPERATURE THERMOPLASTIC.
CONTACT: COPPER ALLOY.
PED: BRASS.
PLATING
CONTACT: UNDERPLATED: 50 u" MIN Ni.
CONTACT AREA: SELECT GOLD OVER Ni PLATED.
SOLDER TAIL: 100 u" MIN Sn/Pb OVER Ni PLATED.
PED: 100 u" MIN Sn/Pb OVER 50 u" MIN Ni PLATED.



CFC-PW40BE111-50



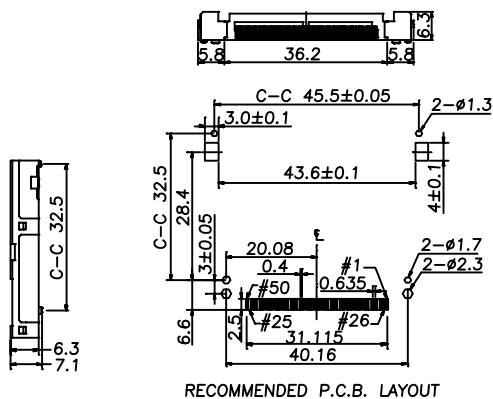
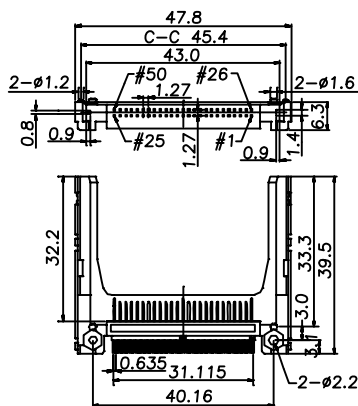
MATERIAL
Insulator:Glass Reinforced LCP UL94V-0
Contacts:Brass Alloy
Mount ear:Brass;Tin plated overall
CONTACT PLATING
Contact ared:Gold plating over 40u"Nickel
Solder tail area:100u" tin plating over 40u" Nickel



CFC-PW40CE201-50



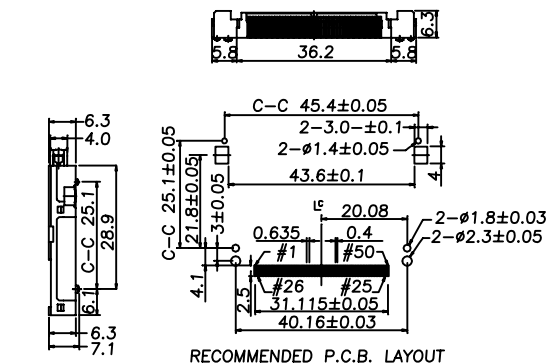
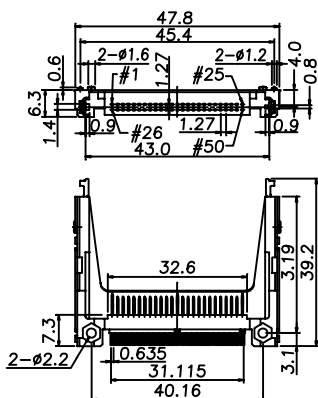
MATERIAL
Insulator:Glass Reinforced LCP UL94V-0
Contacts:Brass Alloy
Mount ear:Brass;Tin plated overall
CONTACT PLATING
Contact ared:Gold plating over 40u"Nickel
Solder tail area:100u" tin plating over 40u" Nickel



CFC-PW40CE202H-50



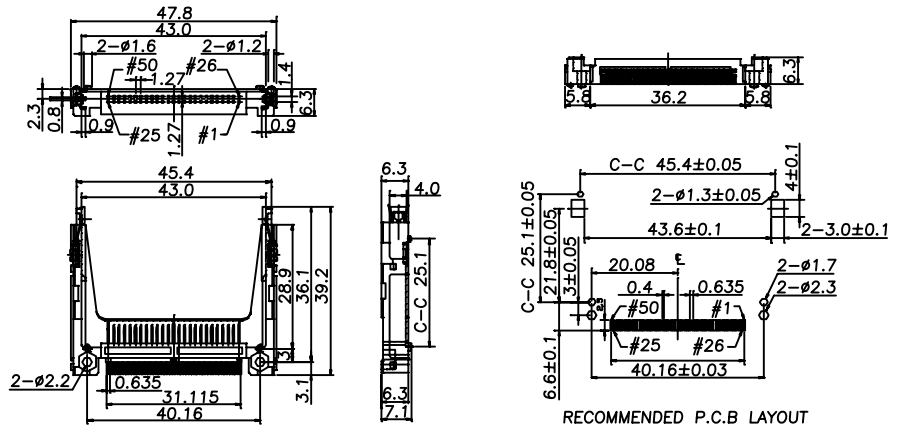
MATERIAL
Insulator:Glass Reinforced LCP UL94V-0
Contacts:Brass Alloy
Mount ear:Brass;Tin plated overall
CONTACT PLATING
Contact ared:Gold plating over 40u"Nickel
Solder tail area:100u" tin plating over 40u" Nickel



CFC-PW40CE201H-50



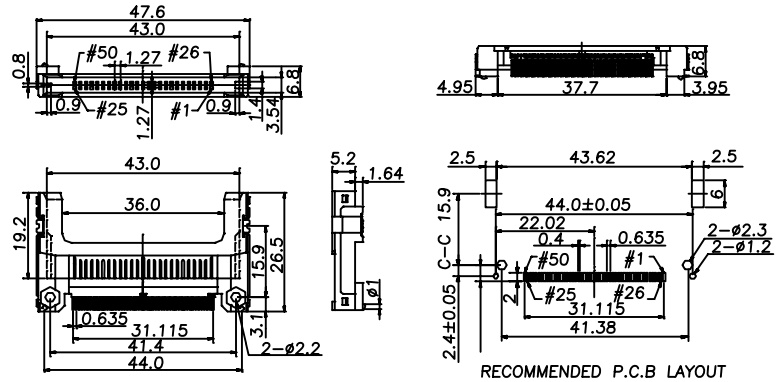
MATERIAL
Insulator: Glass Reinforced LCP UL94V-0
Contacts: Brass Alloy
Mount ear: Brass; Tin plated overall
CONTACT PLATING
Contact ared: Gold plating over 40u" Nickel
Solder tail area: 100u" tin plating over 40u" Nickel



CFC-PW44BE111-50



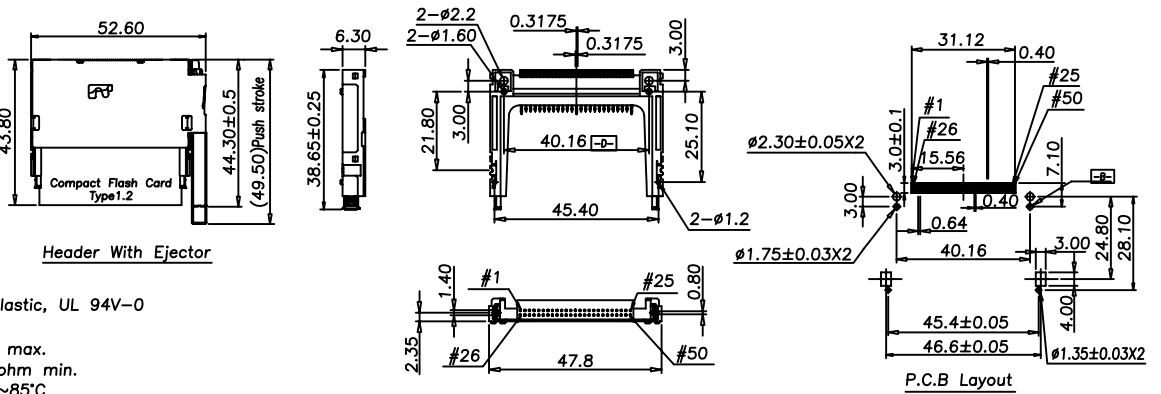
MATERIAL
Insulator: Glass Reinforced LCP UL94V-0
Contacts: Brass Alloy
Mount ear: Brass; Tin plated overall
CONTACT PLATING
Contact ared: Gold plating over 40u" Nickel
Solder tail area: 100u" tin plating over 40u" Nickel



CFC-PW40CE201RS-50



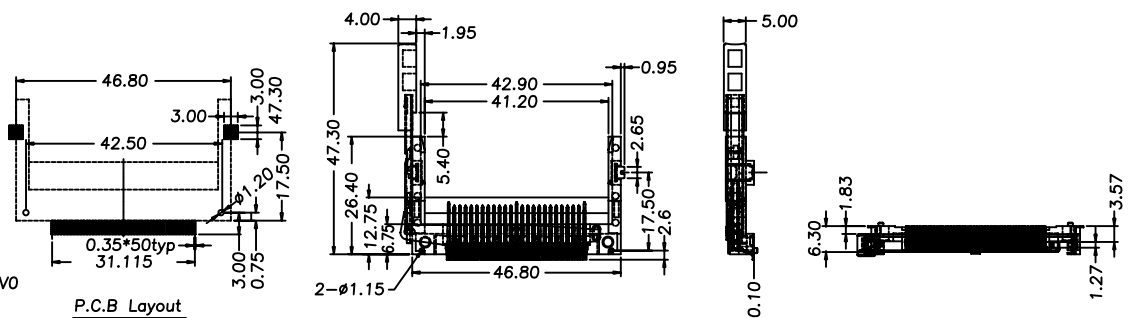
MATERIAL
Housing: High Temperature Plastic, UL 94V-0
Contacts: Copper Alloy
contact resistance: 40m Ohm max.
Insulation Resistance: 1000M ohm min.
Operation Temperature: -40°C~85°C



CFC-PW42BE011RS-50

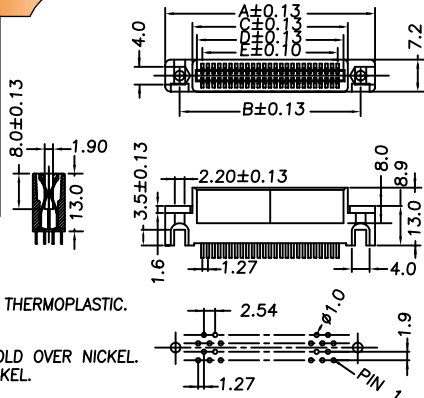


MATERIAL
Housing: LCP 30% G.F., UL94-V0
Contacts: Copper Alloy
Pad: Brass
Rotating arm: stainless steel t=0.40
Push bar: Stainless steel t=0.30
Button: PBT 30% G.F., UL94-V0 rated



Edge Card Connectors

HES-DE-xxx

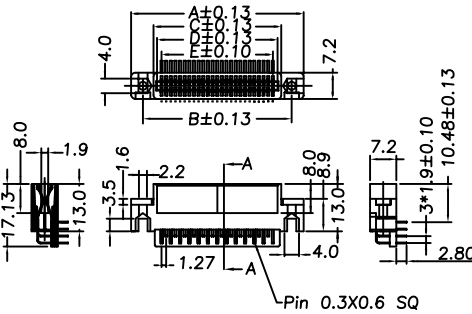


MATERIAL
INSULATOR: GLASS-REINFORCED THERMOPLASTIC.
CONTACT: COPPER ALLOY.
PLATING:
MATING AREA - GOLD FLASH GOLD OVER NICKEL.
SOLDER AREA - TIN OVER NICKEL.

PIN	DIMENSION				
	A	B	C	D	E
10	21.85	15.35	9.60	7.62	5.08
12	23.12	16.62	10.87	8.89	6.35
18	26.93	20.43	14.68	12.70	10.16
20	28.20	21.70	15.95	13.97	11.43
22	29.47	22.97	17.22	15.24	12.70
28	33.28	26.78	21.03	19.05	16.51
30	34.55	28.05	22.30	20.32	17.78
32	35.82	29.32	23.57	21.59	19.05
34	37.09	30.59	24.84	22.86	20.32
36	38.36	31.86	26.11	24.13	21.59
38	39.63	33.13	27.38	25.40	22.86
40	40.90	34.40	28.65	26.67	24.13
42	42.17	35.67	29.92	27.94	25.40
44	43.44	36.94	31.19	29.21	26.67
46	44.71	38.21	32.46	30.48	27.94
48	45.98	39.48	33.73	31.75	29.21
50	47.25	40.75	35.00	33.02	30.48

PIN	DIMENSION				
	A	B	C	D	E
56	51.06	44.56	38.81	36.83	34.29
60	53.60	47.10	41.35	39.37	36.83
62	54.87	48.37	42.62	40.64	38.10
64	56.14	49.64	43.89	41.91	39.37
68	58.68	52.18	46.43	44.45	41.91
70	59.95	53.45	47.70	45.72	43.18
72	61.22	54.72	48.97	46.99	44.45
80	66.30	59.80	54.05	52.07	49.53
90	72.65	66.15	60.40	58.42	55.88
98	77.73	71.23	65.48	63.50	60.96
100	79.00	72.50	66.75	64.77	62.23
110	85.35	78.85	73.10	71.12	68.58
112	86.62	80.12	74.37	72.39	69.85
120	91.70	85.20	79.45	77.47	74.93
124	94.24	87.74	81.99	80.01	77.47
164	119.64	113.14	107.39	105.41	102.87
184	132.34	125.84	120.09	118.11	115.57

HES-RE-xxx

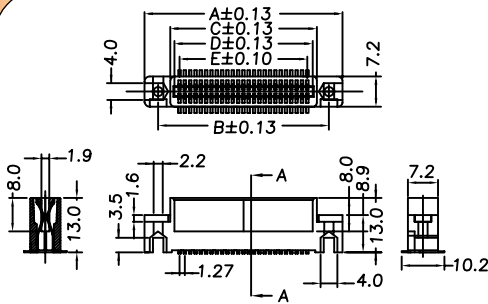


PIN	DIMENSION				
	A	B	C	D	E
10	21.85	15.35	9.60	7.62	5.08
12	23.12	16.62	10.87	8.89	6.35
18	26.93	20.43	14.68	12.70	10.16
20	28.20	21.70	15.95	13.97	11.43
22	29.47	22.97	17.22	15.24	12.70
28	33.28	26.78	21.03	19.05	16.51
30	34.55	28.05	22.30	20.32	17.78
32	35.82	29.32	23.57	21.59	19.05
34	37.09	30.59	24.84	22.86	20.32
36	38.36	31.86	26.11	24.13	21.59
38	39.63	33.13	27.38	25.40	22.86
40	40.90	34.40	28.65	26.67	24.13
42	42.17	35.67	29.92	27.94	25.40
44	43.44	36.94	31.19	29.21	26.67
46	44.71	38.21	32.46	30.48	27.94
48	45.98	39.48	33.73	31.75	29.21
50	47.25	40.75	35.00	33.02	30.48

PIN	DIMENSION				
	A	B	C	D	E
56	51.06	44.56	38.81	36.83	34.29
60	53.60	47.10	41.35	39.37	36.83
62	54.87	48.37	42.62	40.64	38.10
64	56.14	49.64	43.89	41.91	39.37
68	58.68	52.18	46.43	44.45	41.91
70	59.95	53.45	47.70	45.72	43.18
72	61.22	54.72	48.97	46.99	44.45
80	66.30	59.80	54.05	52.07	49.53
90	72.65	66.15	60.40	58.42	55.88
98	77.73	71.23	65.48	63.50	60.96
100	79.00	72.50	66.75	64.77	62.23
110	85.35	78.85	73.10	71.12	68.58
112	86.62	80.12	74.37	72.39	69.85
120	91.70	85.20	79.45	77.47	74.93
124	94.24	87.74	81.99	80.01	77.47
164	119.64	113.14	107.39	105.41	102.87
184	132.34	125.84	120.09	118.11	115.57

RECOMMENDED PCB LAYOUT (TOP VIEW)

HES-VE-xxx

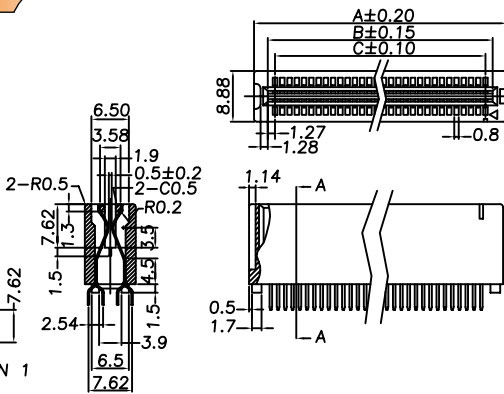


PIN	DIMENSION				
	A	B	C	D	E
10	21.85	15.35	9.60	7.62	5.08
12	23.12	16.62	10.87	8.89	6.35
18	26.93	20.43	14.68	12.70	10.16
20	28.20	21.70	15.95	13.97	11.43
22	29.47	22.97	17.22	15.24	12.70
28	33.28	26.78	21.03	19.05	16.51
30	34.55	28.05	22.30	20.32	17.78
32	35.82	29.32	23.57	21.59	19.05
34	37.09	30.59	24.84	22.86	20.32
36	38.36	31.86	26.11	24.13	21.59
38	39.63	33.13	27.38	25.40	22.86
40	40.90	34.40	28.65	26.67	24.13
42	42.17	35.67	29.92	27.94	25.40
44	43.44	36.94	31.19	29.21	26.67
46	44.71	38.21	32.46	30.48	27.94
48	45.98	39.48	33.73	31.75	29.21
50	47.25	40.75	35.00	33.02	30.48

PIN	DIMENSION				
	A	B	C	D	E
56	51.06	44.56	38.81	36.83	34.29
60	53.60	47.10	41.35	39.37	36.83
62	54.87	48.37	42.62	40.64	38.10
64	56.14	49.64	43.89	41.91	39.37
68	58.68	52.18	46.43	44.45	41.91
70	59.95	53.45	47.70	45.72	43.18
72	61.22	54.72	48.97	46.99	44.45
80	66.30	59.80	54.05	52.07	49.53
90	72.65	66.15	60.40	58.42	55.88
98	77.73	71.23	65.48	63.50	60.96
100	79.00	72.50	66.75	64.77	62.23
110	85.35	78.85	73.10	71.12	68.58
112	86.62	80.12	74.37	72.39	69.85
120	91.70	85.20	79.45	77.47	74.93
124	94.24	87.74	81.99	80.01	77.47
164	119.64	113.14	107.39	105.41	102.87
184	132.34	125.84	120.09	118.11	115.57

RECOMMENDED PCB LAYOUT (TOP VIEW)

HE-D-xxx



Circuit	Dimension		
	A	B	C
04	8.64	3.81	1.27
06	9.91	5.08	2.54
08	11.18	6.35	3.81
10	12.45	7.62	5.08
12	13.72	8.89	6.35
14	14.99	10.16	7.62
16	16.26	11.43	8.89
18	17.53	12.70	10.16
20	18.80	13.97	11.43
22	20.07	15.24	12.70
24	21.34	16.51	13.97
26	22.61	17.78	15.24
28	23.88	19.05	16.51
30	25.15	20.32	17.78
32	26.42	21.59	19.05
34	27.69	22.86	20.32
36	28.96	24.13	21.59

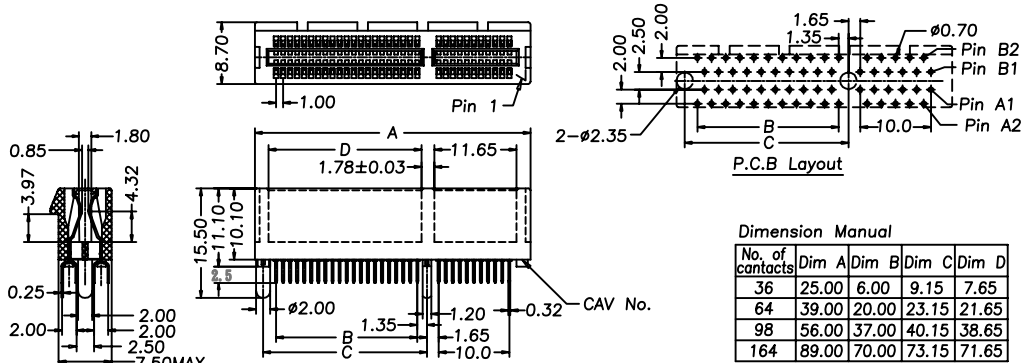
Circuit	Dimension		
	A	B	C
38	30.23	25.40	22.86
40	31.50	26.67	24.13
42	32.77	27.94	25.40
44	34.04	29.21	26.67
46	35.31	30.48	27.94
48	36.58	31.75	29.21
50	37.85	33.02	30.48
52	39.12	34.29	31.75
54	40.39	35.56	33.02
56	41.66	36.83	34.29
58	42.93	38.10	35.56
60	44.20	39.37	36.83
80	56.90	52.07	49.53
100	69.60	64.77	62.23
120	82.30	77.47	74.93
128	87.38	82.55	80.01
160	107.70	102.87	100.33
182	121.67	116.84	114.30

RECOMMENDED PCB LAYOUT (TOP VIEW)

PCIX-D-xxx



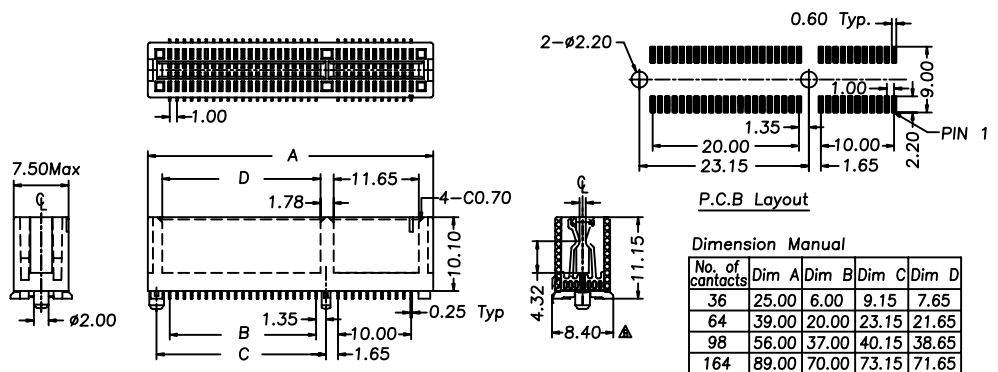
MATERIAL
Body: Nyon 66, Glass Fider 30%
UL 94V-0 Rated Color: White, Black, Cav, No. A~H
Contacts: Brass or Phosphor Bronze
Contact resistance: 30m Ohm max.
Current Resistance: 1.1 Ampere
Insulation Resistance: 1000M ohm min.
AT 500V AC
Operation Temperature: -55°C~105°C



PCIX-VP-xxx



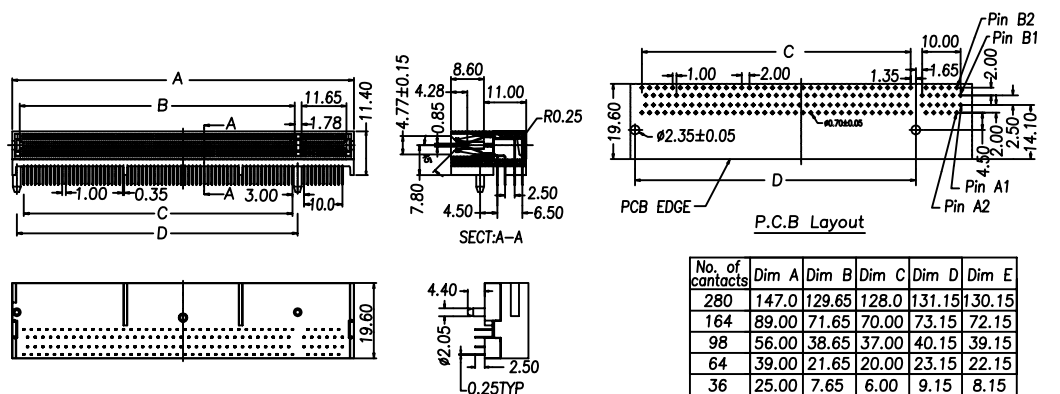
MATERIAL
Body: Nyon 66, Glass Fider 30%
UL 94V-0 Rated Color: White, Black, Cav, No. A~H
Contacts: Brass or Phosphor Bronze
Contact resistance: 30m Ohm max.
Current Resistance: 1.1 Ampere
Insulation Resistance: 1000M ohm min. AT 500V AC
Operation Temperature: -55°C~105°C



PCIX-R-xxx



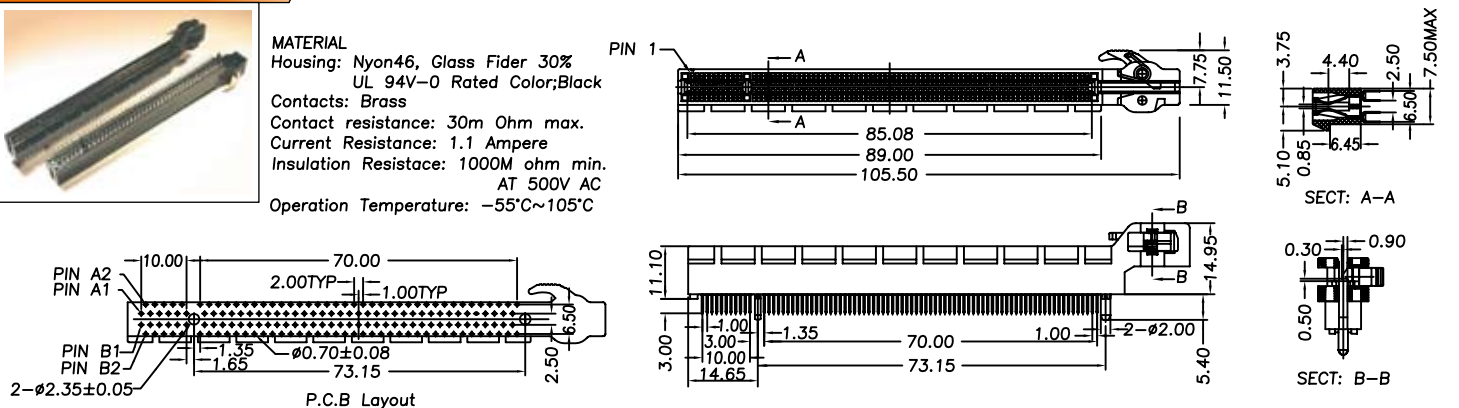
MATERIAL
Housing: Nyon46, Glass Fider 30%
UL 94V-0 Rated Color: Black
Contacts: Brass
Contact resistance: 30m Ohm max.
Current Resistance: 1.1 Ampere
Insulation Resistance: 1000M ohm min.
AT 500V AC
Operation Temperature: -55°C~105°C



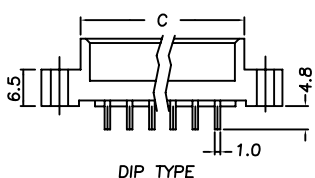
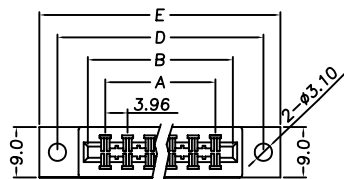
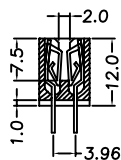
PCIX-DL-164



MATERIAL
Housing: Nyon46, Glass Fider 30%
UL 94V-0 Rated Color: Black
Contacts: Brass
Contact resistance: 30m Ohm max.
Current Resistance: 1.1 Ampere
Insulation Resistance: 1000M ohm min.
AT 500V AC
Operation Temperature: -55°C~105°C



KE-DLE-xx

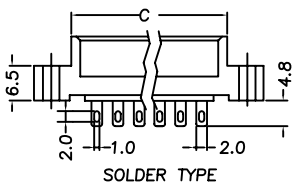
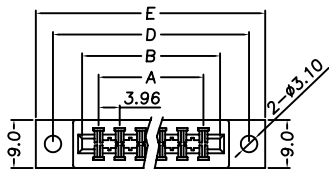
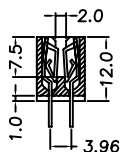


DIP TYPE

MATERIAL
INSULATOR: PBT +30% GLASS FIBER (UL94V-0).
CONTACT: PHOSPHOR BRONZE OR BRASS.
PLATING: GOLD OVER NICKEL.
SPECIFICATION
CURRENT RATING: 3 AMP.
INSULATION RESISTANCE: 5000 MEGOHMS MIN AT 500 VDC.
CONTACT RESISTANCE: 20 MILLIOHMS MAX.
VOLTAGE : 500V FOR ONE MINUTE.
TEMPERATURE RANGE: -40°C TO +105°C.

Circuit	Dimension					Circuit	Dimension				
	A	B	C	D	E		A	B	C	D	E
10	15.84	24.06	27.40	34.94	41.24	44	83.16	91.38	94.72	102.26	108.56
12	19.80	28.02	31.36	38.90	45.20	46	87.12	95.34	98.68	106.22	112.52
16	27.72	35.94	39.28	46.82	53.12	50	95.04	103.26	106.60	114.14	120.44
20	35.64	43.86	47.20	54.74	61.04	56	106.92	115.14	118.48	126.02	132.32
24	43.56	51.78	55.12	62.66	68.96	60	114.84	123.06	126.40	133.94	140.24
26	47.52	55.74	59.08	66.62	72.92	62	118.80	127.02	130.36	137.90	144.20
28	51.48	59.70	63.04	70.58	76.88	64	122.76	130.98	134.32	141.86	148.16
30	55.44	63.66	67.00	74.54	80.84	70	134.64	142.86	146.20	153.74	160.04
32	59.40	67.62	70.96	78.50	84.80	72	138.60	146.82	150.16	157.70	164.00
36	67.32	75.54	78.88	86.42	92.72	86	166.32	174.54	177.88	185.49	191.48
40	75.24	83.46	86.80	94.34	100.64						

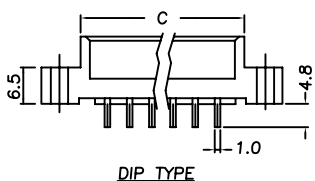
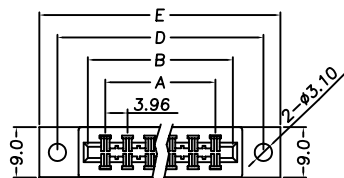
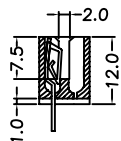
KE-SLE-xx



SOLDER TYPE

Circuit	Dimension					Circuit	Dimension				
	A	B	C	D	E		A	B	C	D	E
10	15.84	24.06	27.40	34.94	41.24	44	83.16	91.38	94.72	102.26	108.56
12	19.80	28.02	31.36	38.90	45.20	46	87.12	95.34	98.68	106.22	112.52
16	27.72	35.94	39.28	46.82	53.12	50	95.04	103.26	106.60	114.14	120.44
20	35.64	43.86	47.20	54.74	61.04	56	106.92	115.14	118.48	126.02	132.32
24	43.56	51.78	55.12	62.66	68.96	60	114.84	123.06	126.40	133.94	140.24
26	47.52	55.74	59.08	66.62	72.92	62	118.80	127.02	130.36	137.90	144.20
28	51.48	59.70	63.04	70.58	76.88	64	122.76	130.98	134.32	141.86	148.16
30	55.44	63.66	67.00	74.54	80.84	70	134.64	142.86	146.20	153.74	160.04
32	59.40	67.62	70.96	78.50	84.80	72	138.60	146.82	150.16	157.70	164.00
36	67.32	75.54	78.88	86.42	92.72	86	166.32	174.54	177.88	185.49	191.48
40	75.24	83.46	86.80	94.34	100.64						

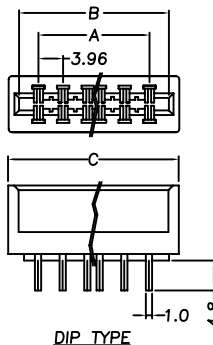
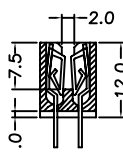
KE-DLE-1Xxx



DIP TYPE

Circuit	Dimension					Circuit	Dimension				
	A	B	C	D	E		A	B	C	D	E
05	15.84	24.06	27.40	34.94	41.24	22	83.16	91.38	94.72	102.26	108.56
06	19.80	28.02	31.36	38.90	45.20	23	87.12	95.34	98.68	106.22	112.52
08	27.72	35.94	39.28	46.82	53.12	25	95.04	103.26	106.60	114.14	120.44
10	35.64	43.86	47.20	54.74	61.04	28	106.92	115.14	118.48	126.02	132.32
11	39.60	47.82	51.16	58.70	65.00	30	114.84	123.06	126.40	133.94	140.24
12	43.56	51.78	55.12	62.66	68.96	31	118.80	127.02	130.36	137.90	144.20
14	51.48	59.70	63.04	70.58	76.88	32	122.76	130.98	134.32	141.86	148.16
15	55.44	63.66	67.00	74.54	80.84	35	134.64	142.86	146.20	153.74	160.04
16	59.40	67.62	70.96	78.50	84.80	36	138.60	146.82	150.16	157.70	164.00
18	67.32	75.54	78.88	86.42	92.72	43	166.32	174.54	177.88	185.49	191.48
20	75.24	83.46	86.80	94.34	100.64						

KE-DXE-xx

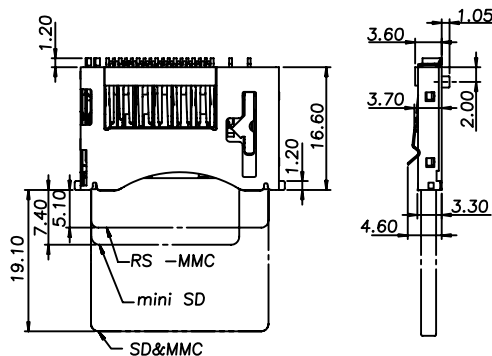
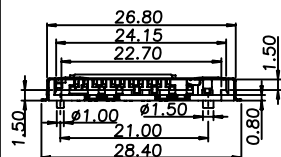


DIP TYPE

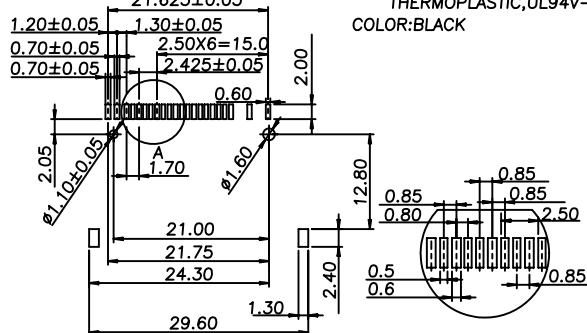
Circuit	Dimension			Circuit	Dimension		
	A	B	C		A	B	C
10	15.84	24.06	27.40	44	83.16	91.38	94.72
12	19.80	28.02	31.36	46	87.12	95.34	98.68
16	27.72	35.94	39.28	50	95.04	103.26	106.60
20	35.64	43.86	47.20	56	106.92	115.14	118.48
24	43.56	51.78	55.12	60	114.84	123.06	126.40
26	47.52	55.74	59.08	62	118.80	127.02	130.36
28	51.48	59.70	63.04	64	122.76	130.98	134.32
30	55.44	63.66	67.00	70	134.64	142.86	146.20
32	59.40	67.62	70.96	72	138.60	146.82	150.16
36	67.32	75.54	78.88				
40	75.24	83.46	86.80				

MATERIAL
INSULATOR: PBT +30% GLASS FIBER (UL94V-0).
CONTACT: PHOSPHOR BRONZE OR BRASS.
PLATING: GOLD OVER NICKEL.
SPECIFICATION
CURRENT RATING: 3 AMP.
INSULATION RESISTANCE: 5000 MEGOHMS MIN AT 500 VDC.
CONTACT RESISTANCE: 20 MILLIOHMS MAX.
VOLTAGE : 500V FOR ONE MINUTE.
TEMPERATURE RANGE: -40°C TO +105°C.

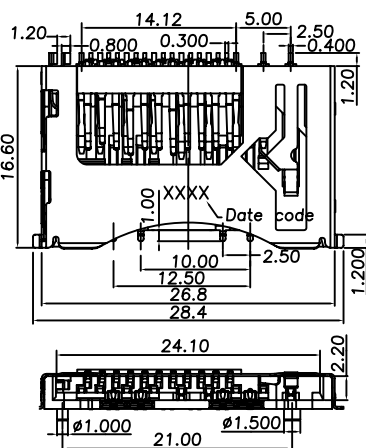
MHC-W21-401



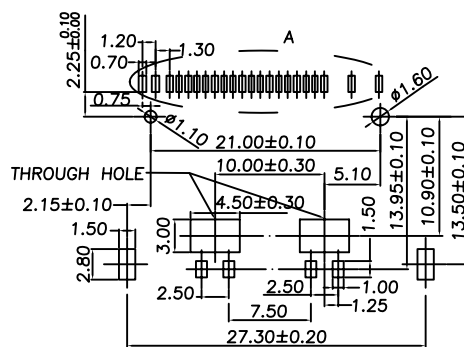
MATERIAL:
INSULATOR:HIGH TEMPERATURE
THERMOPLASTIC,UL94V-0.
COLOR:BLACK



MHC-W21-601

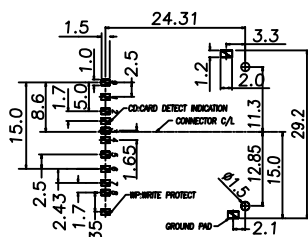


Insulator: High Temperature Thermoplastic,
Color Black ,UL 94V-0.
Contact: Phosphor-Bronze
Current Rating :0.5mA max.
Contact Resistance:100m ohm max.
Insulation Resistance:1000M OHM min./500VDC
Dielectric Withstanding Voltage:500VAC/ 1 minute
Operating Temperature:-25°C TO+85°C
Mating Cycles:10,000 Insertions



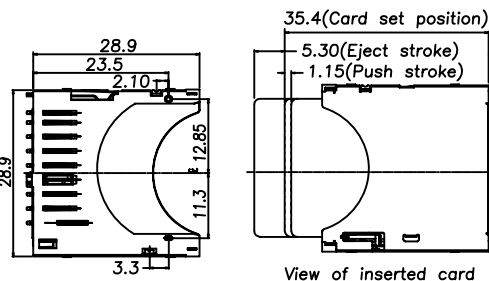
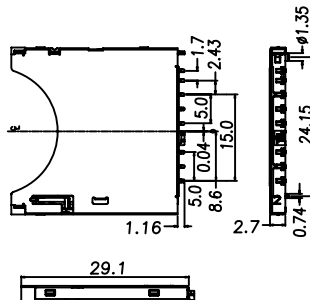
Usable Memory Card:
SD&mini SD&MMC&RS MMC&MMC 4.0&RS MMC 4.0 Card

SDC-W24PB02-09



Insulator: LCP, rated UL94V-0
Color Black
Contact: Phosphor-Bronze
Current Rating :0.5mA max.
Contact Resistance:100m ohm
Insulation Resistance:1000M Ohm
Dielectric Withstanding Voltage
Operating Temperature:-20°C

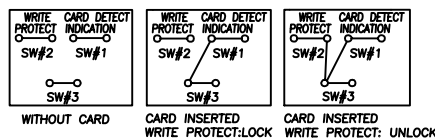
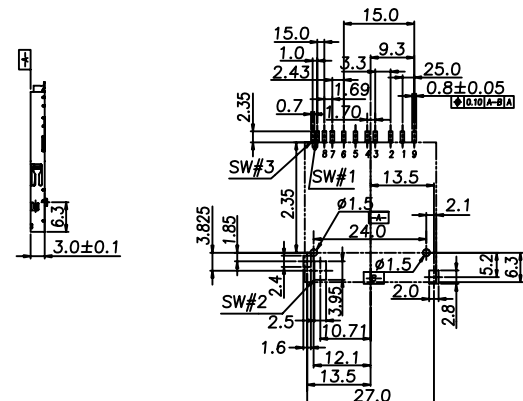
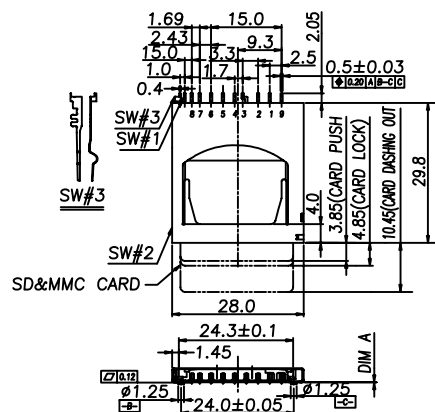
PCB LAYOUT

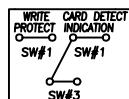
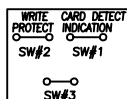
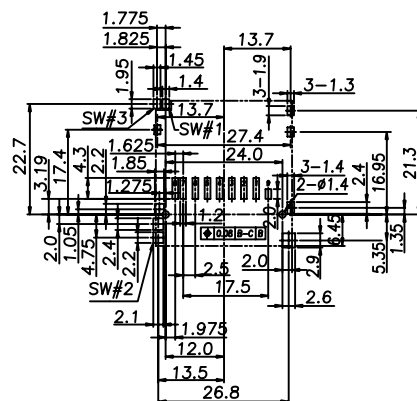
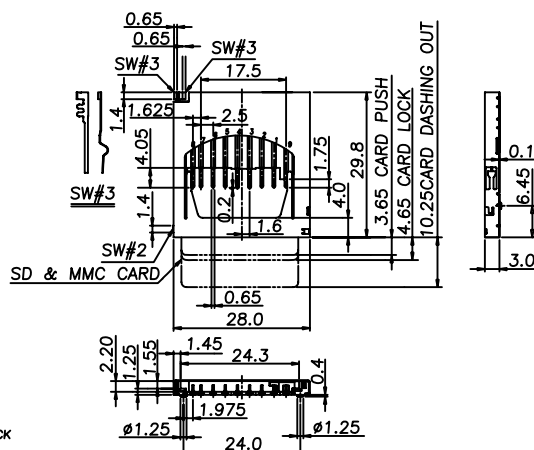


View of inserted card

CIRCUIT:		
WP GROUND CD #3 WITHOUT CARD	WP GROUND CD #3 CARD INSERTED WRITE PROTECT: LOCK	WP GROUND CD #3 CARD INSERTED WRITE PROTECT: UNLOCK

SDC-W24PB10-09



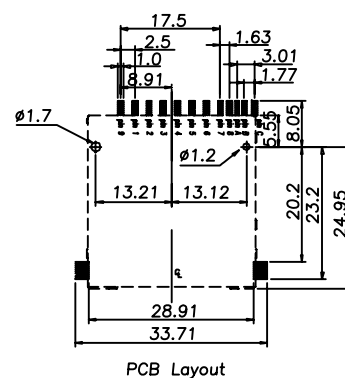
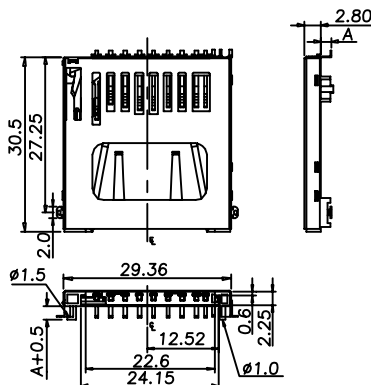


WITHOUT CARD

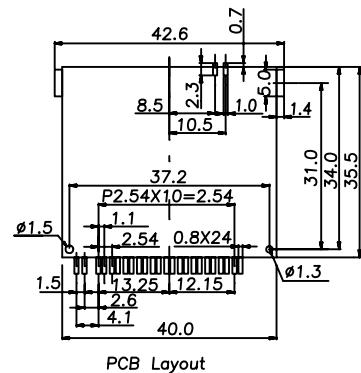
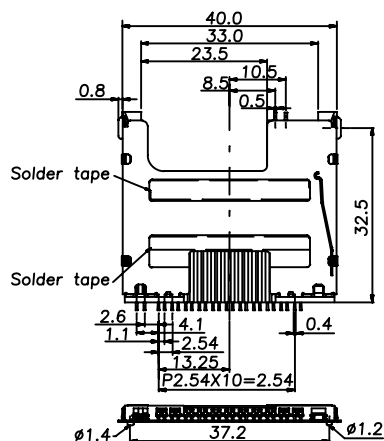
CARD INSERTED

CARD INSERTED

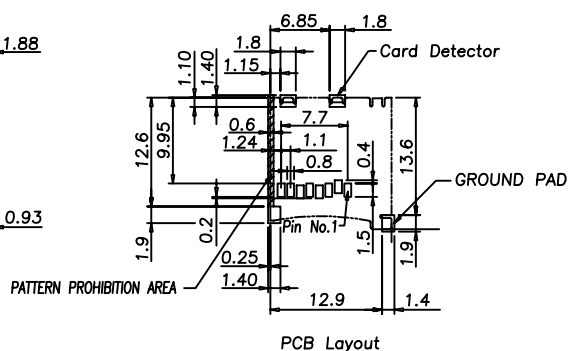
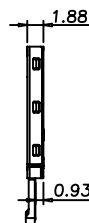
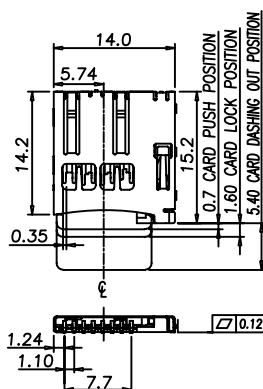
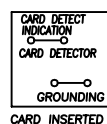
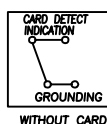
Part No.	Dimension
	A
SDC-W26PA-09	0.10
SDC-W26PA18-09	1.80
SDC-W26PA24-09	2.40



Operating Temperature: -25°C TO $+60^{\circ}\text{C}$



Contact: Phosphor-Bronze



Operating Temperature: -25°C TO $+85^{\circ}\text{C}$

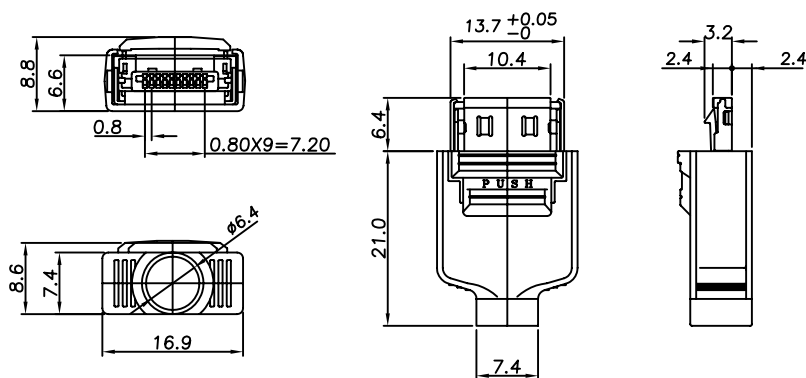
PCM-PA-10



NOTE:

1. MATERIAL:

- 1-1.PLASTIC COVER: C1200(ABC+PC)94-VO
1-2.HOUSING: PBT+30GF(BLACK)
1-3.METAL UP COVER: NICKEL SILVER
1-4.METAL DOWN COVER: BRASS
1-5.PIN: PHOSPHOR BRONZE
1-6.SPRING: STAINLESS SUS#301

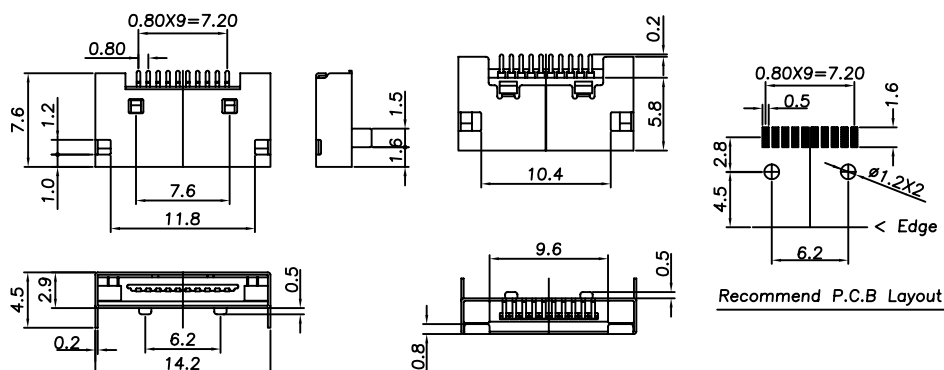


PCM-JW-10



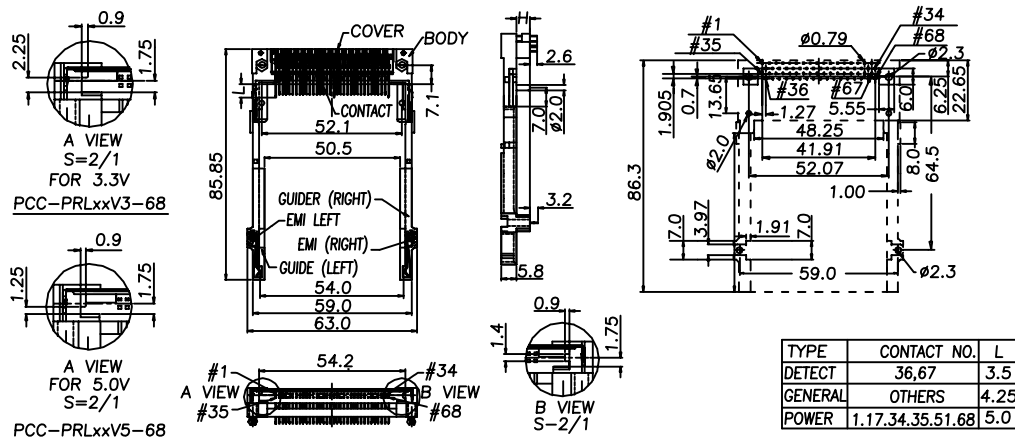
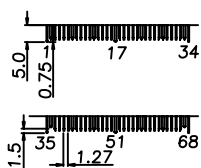
1. MATERIAL:

- 1-1.SHELL: STAINLESS SUS#301
1-2.PIN: PHOSPHOR BRONZE
1-3.HOUSING: LCP(BLACK)
2. PLATING:
2-1.PIN: TIN 10u";GOLD 10u"
2-2.SHELL: NICKEL 50u"



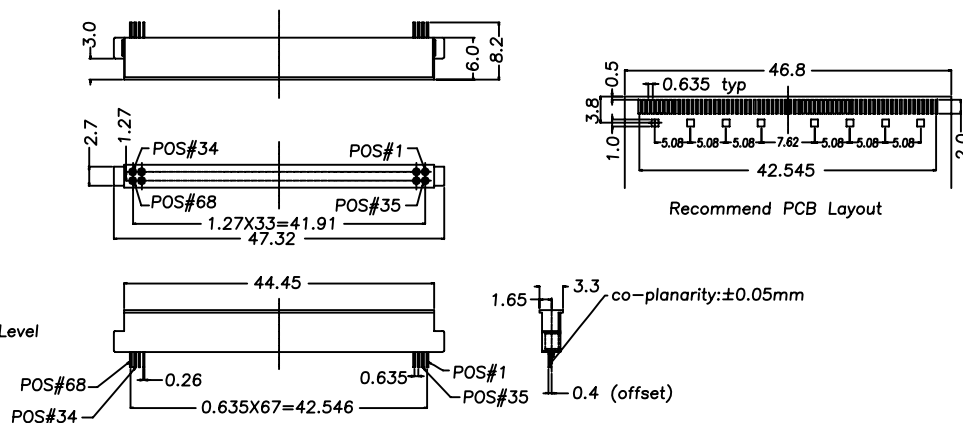
Recommend P.C.B Layout

PCC-PRLxxVx-68



TYPE	CONTACT NO.	L
DETECT	36,67	3.5
GENERAL	OTHERS	4.25
POWER	1.17.34.35.51.68	5.0

PCC-SW04-68



Specification

Housing: Glass Filled LCP,UL94V-0

Color Black

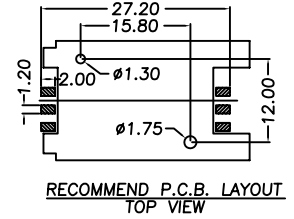
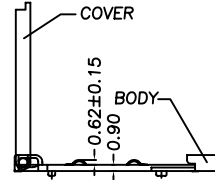
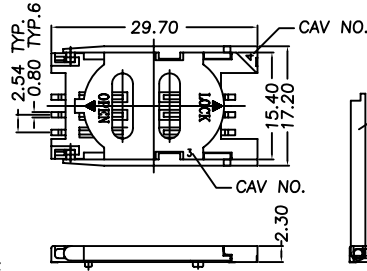
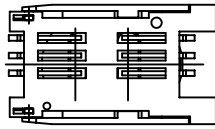
Current Rating :0.5mA max.

Dielectric Withstanding Voltage:500 Vrms at Sed Level

Operating Temperature: -10°C TO $+70^{\circ}\text{C}$

SIM Card Connectors

SCV-W2523P-06



*Specification:

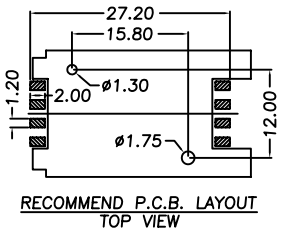
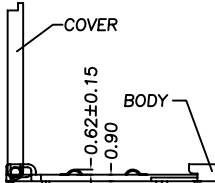
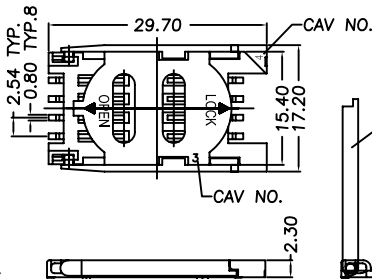
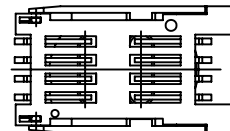
- 1.Current Rating: 0.5 AMP. Max.;
- 2.Dielectric Withstanding Voltage: 500V AC R.M.S For One Minute;
- 3.Insulation Resistance: 1000 M Ohms Min. AT 500V AC;
- 4.Contact Resistance: 30 M Ohms Max.;
- 5.Operating Temperature: -25°C to +85°C;
- 6.Processing Temp: 230°C for 30~60 Seconds Max.;
- 7.Durability: 5000 Cycles.

NOTES

*Material:

- 1.Body: LCP UL 94V-0 Rated, Color:Black;
- 2.Cover: LCP UL 94V-0 Rated, Color:Black;
- 3.Contact: Phosphor Bronze;

SCV-W2523P-08



*Specification:

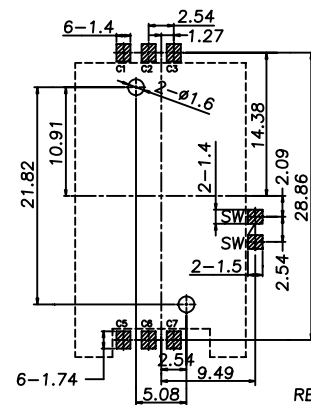
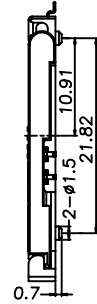
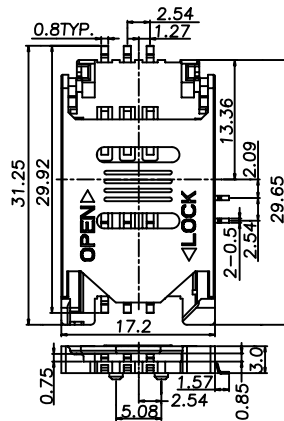
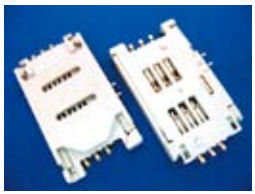
- 1.Current Rating: 0.5 AMP. Max.;
- 2.Dielectric Withstanding Voltage: 500V AC R.M.S For One Minute;
- 3.Insulation Resistance: 1000 M Ohms Min. AT 500V AC;
- 4.Contact Resistance: 30 M Ohms Max.;
- 5.Operating Temperature: -25°C to +85°C;
- 6.Processing Temp: 230°C for 30~60 Seconds Max.;
- 7.Durability: 5000 Cycles.

NOTES

*Material:

- 1.Body: LCP UL 94V-0 Rated, Color:Black;
- 2.Cover: LCP UL 94V-0 Rated, Color:Black;
- 3.Contact: Phosphor Bronze;

SCV-W2830PB-06



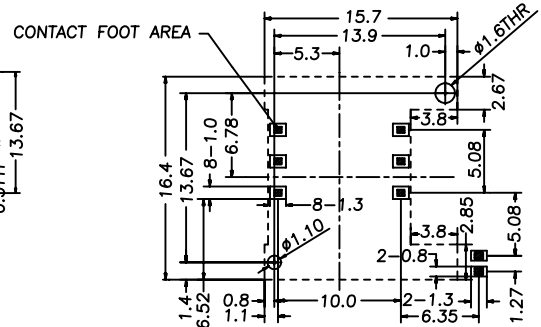
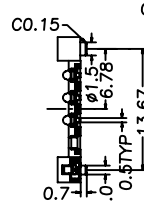
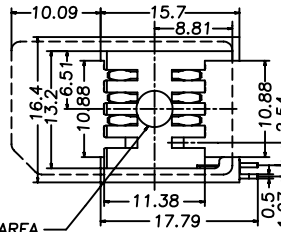
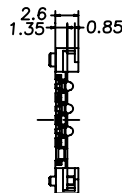
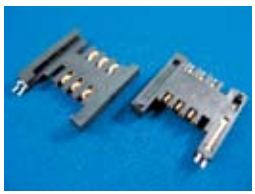
RECOMMEND P.C.B. LAYOUT

*Specification:

- Insulation material: Thermoplastic,UL 94V-0
Insulation Resistance: 1000 M Ohms Min.
Contact Resistance: 50 M Ohms Max.;

Operating Temperature: -40°C to +85°C;
Durability: 10,000 Cycles min.

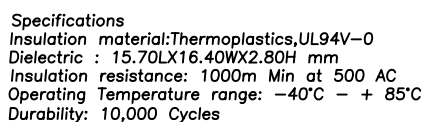
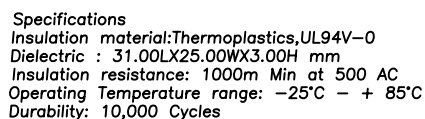
SCU-W1026PB-06



*Specification:

- Insulation material: Thermoplastic,UL 94V-0
Insulation Resistance: 1000 M Ohms 500VDC
Contact Resistance: 50 M Ohms Max.;

Operating Temperature: -40°C to +85°C;
Durability: 10,000 Cycles min.



PCB Layout Reference B (Inverse)

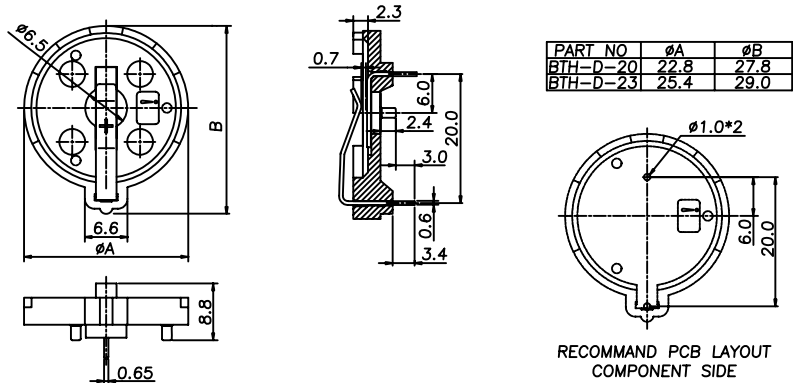
Through Hole Mounting

Battery Holder Connectors

BTH-D-xx



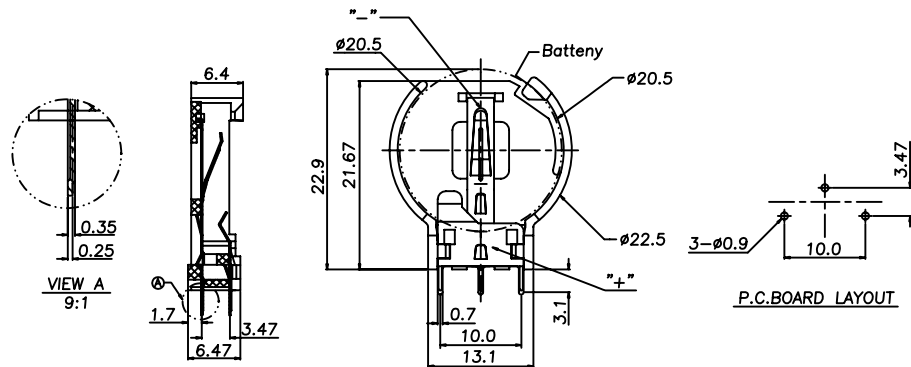
SPECIFICATION:
Housing—PBT 30%GF UL94V-0
Contact—Phosphor Bronze C5191R-H T=0.6mm



BTH-U-20



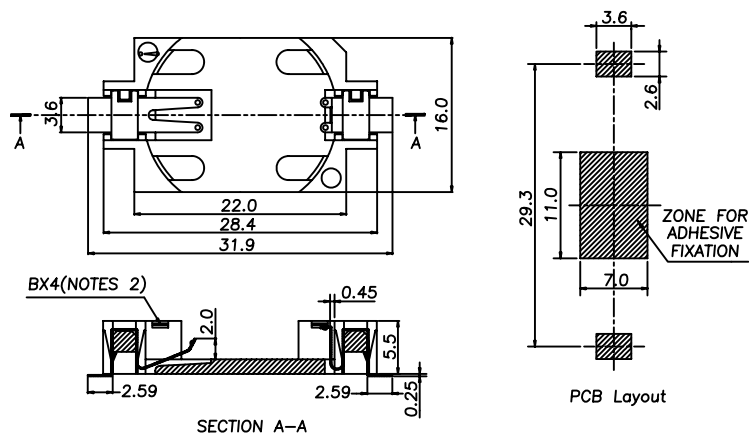
SPECIFICATION:
Body:FR—Nylon with 30%GF Glass Fiber
Flammability UL 94V-0 Rated.
Contact:Phosphor Bronze.
Application For 3V Lithium Battery.
Dielectric Withstanding Voltage:500 VDC
Operation Temperature:-55°C ~ 105°C



BTH-V-20



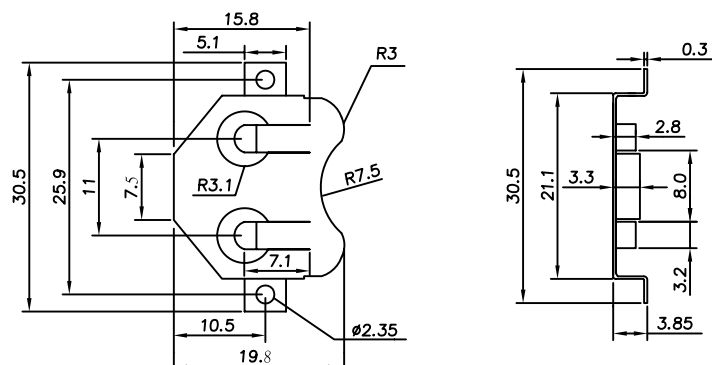
NOTES
Housing—LCP 30%GF UL94V-0
Contact—Phosphor Bronze C5191R-H.



BTH-W39-20

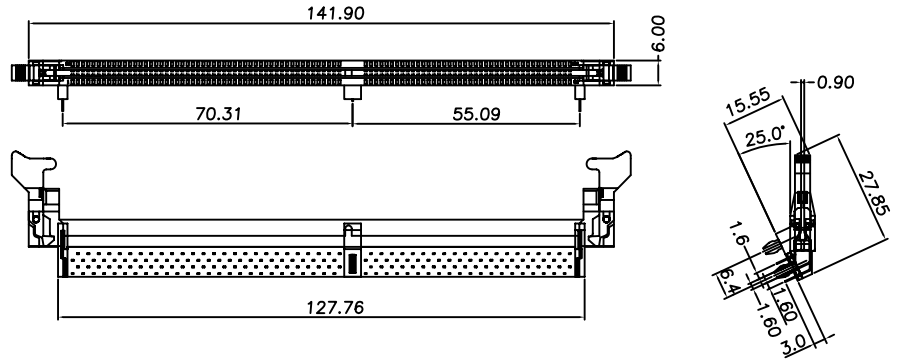
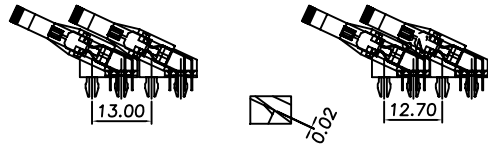


SPECIFICATION
MATERIAL:0.3mm PHOSPHORUS
BRONZE, NICKEL PLATE

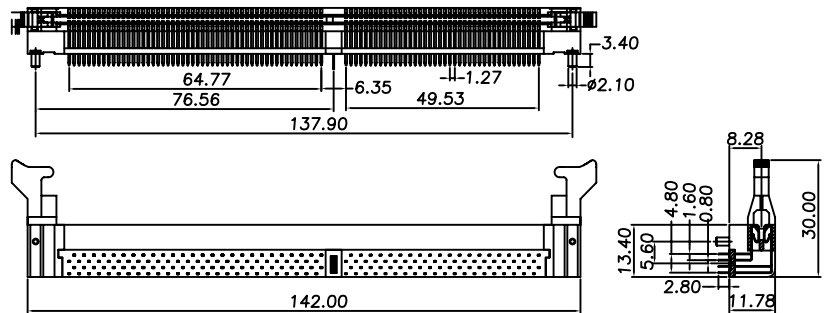
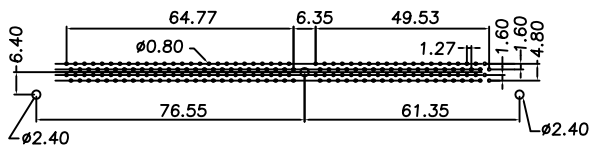


Dimm Socket Connectors

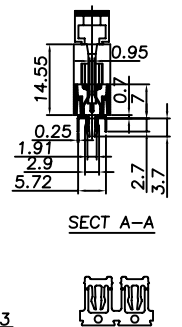
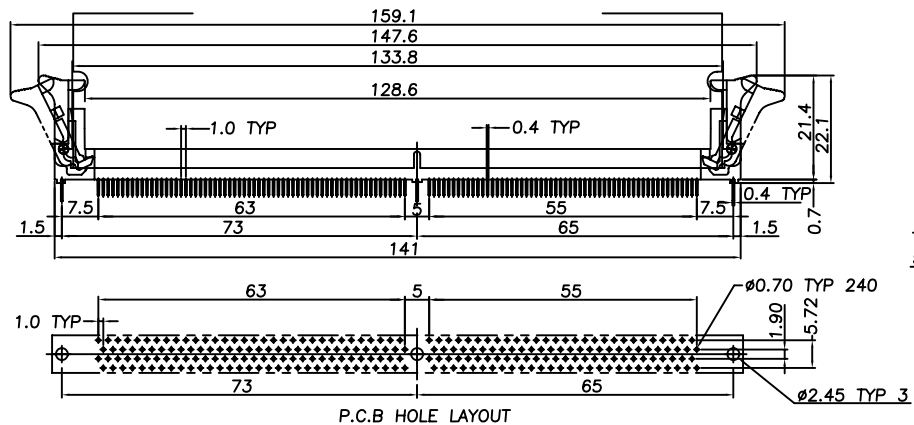
DIM-AVZ-184



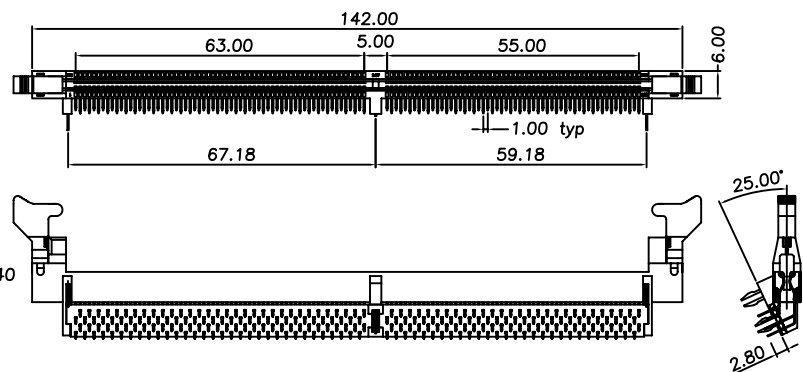
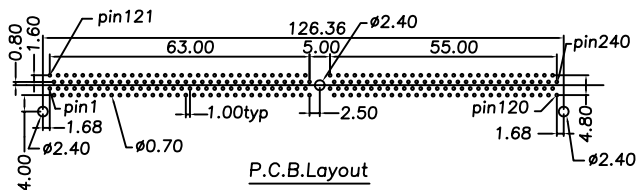
DIM-R11-184



DIM1-DZ-240



DIM1-A-240

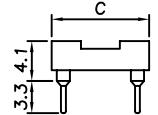
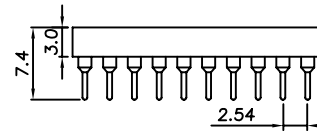
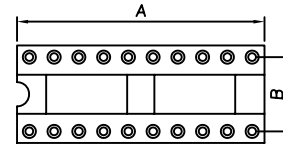


IC Socket Connectors

SIC-D03-xx

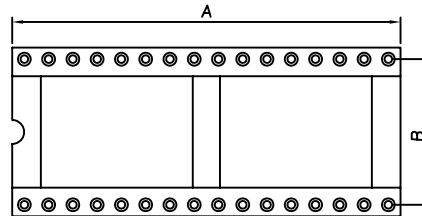


CIRCUITS	DIM.A	DIM.B	DIM.C	SPACE
6	7.62	7.62	10.16	03
8	10.16	7.62	10.16	
14	17.78	7.62	10.16	
16	20.32	7.62	10.16	
18	22.86	7.62	10.16	
20	25.40	7.62	10.16	
22	27.94	7.62	10.16	
24	30.48	7.62	10.16	
28	35.56	7.62	10.16	

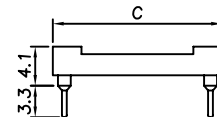
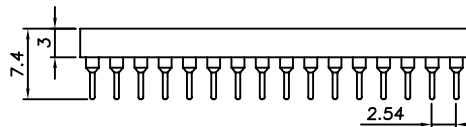


- * Insulator: IC Socket=PBT (UL94V-0)
- * Current Rating: 1A
- * Contact Resistance : 10 Milliohm
- * Insulator Resistance : 5000 Mege Ohm at 500 VDC
- * Dielectric Strength : 1000 VRMS Min
- * Rated Voltage : 100 VRMS / 150VDC
- * Temperature: - 55°C TO + 125°C

SIC-D06-xx



CIRCUITS	DIM.A	DIM.B	DIM.C	SPACE
24	30.48	15.24	17.78	06
28	35.56	15.24	17.78	
32	40.64	15.24	17.78	
40	50.80	15.24	17.78	
42	53.34	15.24	17.78	
48	60.96	15.24	17.78	

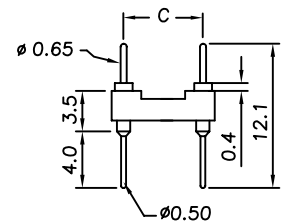
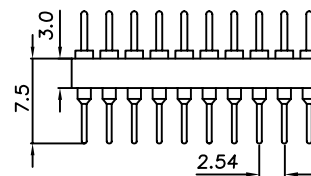
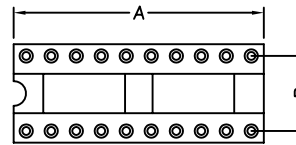


- * Insulator: IC Socket=PBT (UL94V-0)
- * Current Rating: 1A
- * Contact Resistance : 10 Milliohm
- * Insulator Resistance : 5000 Mege Ohm at 500 VDC
- * Dielectric Strength : 1000 VRMS Min
- * Rated Voltage : 100 VRMS / 150VDC
- * Temperature: - 55°C TO + 125°C

PIC-D03G-xx

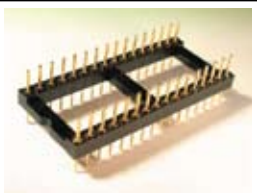


SPACE 0.3"	DIM A	DIM B	DIM C
20	25.40	15.24	17.78
24	30.48	15.24	17.78
28	35.56	15.24	17.78
32	40.64	15.24	17.78
36	45.66	15.24	17.78
40	50.80	15.24	17.78
42	53.34	15.24	17.78
48	60.96	15.24	17.78

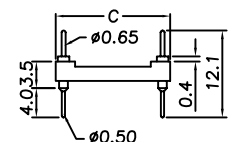
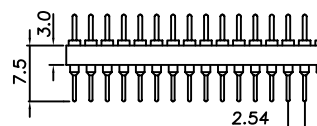
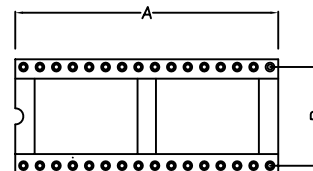


- * INSULATOR: GLASS FILLED POLYESTER,UL 94V-0
- * INSERTION FORCE: AVERAGE 500 GR
- * EXTRACTION TEST: AVERAGE 159 GR
- * RESIST TO SOLDERING HEAT: MAX. 260°C, 5 SEC.
- * CONTACT RESIST: < = 100M OHMS
- * INSULATOR RESIST : > = 5000M OHMS
- * DIELECTRIC WITHSTANDING : 600 VRMS
- * TEMPERATURE: - 55°C TO + 125°C

PIC-D06G-xxx

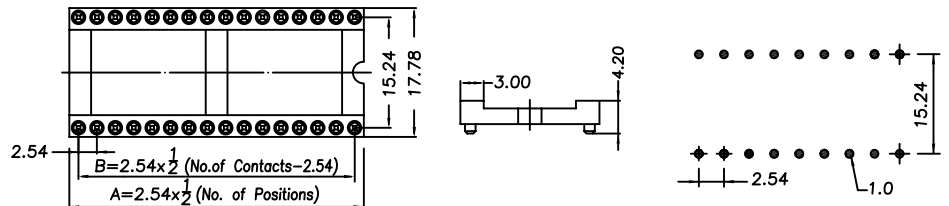


SPACE 0.3"	DIM A	DIM B	DIM C
06	7.62	7.62	10.16
08	10.16	7.62	10.16
10	12.70	7.62	10.16
14	17.78	7.62	10.16
16	20.32	7.62	10.16
18	22.86	7.62	10.16
20	25.40	7.62	10.16
22	27.94	7.62	10.16
24	30.48	7.62	10.16
28	35.56	7.62	10.16



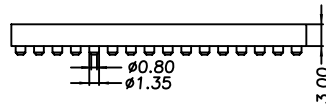
- * INSULATOR: GLASS FILLED POLYESTER,UL 94V-0
- * INSERTION FORCE: AVERAGE 500 GR
- * EXTRACTION TEST: AVERAGE 159 GR
- * RESIST TO SOLDERING HEAT: MAX. 260°C, 5 SEC.
- * CONTACT RESIST: < = 100M OHMS
- * INSULATOR RESIST : > = 5000M OHMS
- * DIELECTRIC WITHSTANDING : 600 VRMS
- * TEMPERATURE: - 55°C TO + 125°C

SICP-V06-40



P.C.B. Layout

- * Insulator: IC Socket=PPS
- * Resist to Soldering Heat: Max. 120~130°C, 5 Sec.
- * Current Rating: 1A
- * Operating Humidity Range: Annual mean 75%
- * Contact Resistance : 10 Milliohm
- * Insulator Resistance : 5000 Mege Ohm at 500 VDC
- * Dielectric Strength : 1000 VRMS Min
- * Rated Voltage : 100 VRMS / 150VDC
- * Temperature: - 55°C TO + 240°C



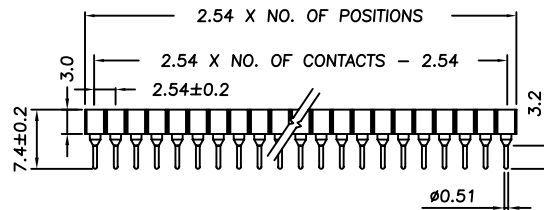
Positions	DIM"A"	DIM"B"
24	30.48	27.94
28	35.56	33.02
32	40.64	38.10
40	50.80	48.26
48	60.96	58.42

SS-D-1Xxx

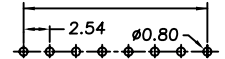


MATERIAL & FINISH

- * Sleeve: Brass
- * Insulator: PPS



2.54(X NO. OF CONT-1)±0.05



PCB Layout

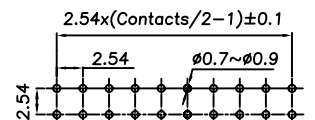
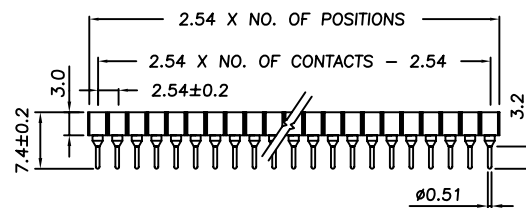
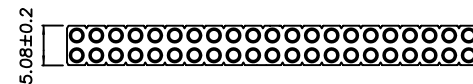
- * Current Rating: 1A
- * Operating Humidity Range: Annual mean 75%
- * Contact Resistance : 10 Milliohm
- * Insulator Resistance : 5000 Mege Ohm at 500 VDC
- * Dielectric Strength : 1000 VRMS Min
- * Rated Voltage : 100 VRMS / 150VDC
- * Temperature: - 55°C TO + 240°C

SS-D-2Xxx



MATERIAL & FINISH

- * Sleeve: Brass
- * Insulator: PPS



PCB Layout

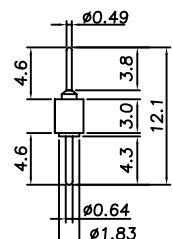
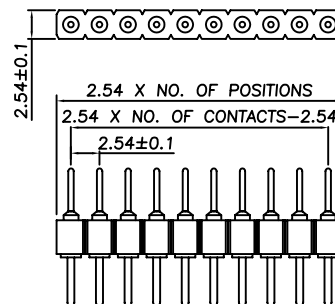
- * Current Rating: 1A
- * Operating Humidity Range: Annual mean 75%
- * Contact Resistance : 10 Milliohm
- * Insulator Resistance : 5000 Mege Ohm at 500 VDC
- * Dielectric Strength : 1000 VRMS Min
- * Rated Voltage : 100 VRMS / 150VDC
- * Temperature: - 55°C TO + 240°C

SP12-DG-1Xxx



SPECIFICATIONS

- CURRENT RATING: 1 Amp
- INSULATOR RESISTANCE: 5000 MEGOHMS MIN. 500V DC FOR 1 MINUTES.
- CONTACT RESISTANCE: 20 M OHM MAX.
- DIELECTRIC WITHSTANDING: AC 500 V FOR 1 MINUTES.
- OPERATING TEMPERATURE: -40°C ~ 240°C
- CONTACT MATERIAL: BRASS
- INSULATOR MATERIAL: PPS UL94V-0

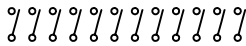


Switch Connectors

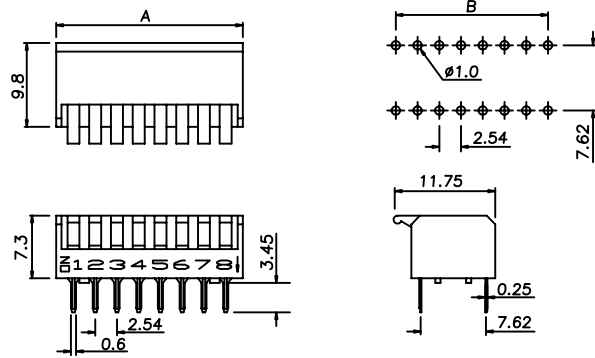
SW-PBK-xx



Contact Arrangement



Switches shown in open position

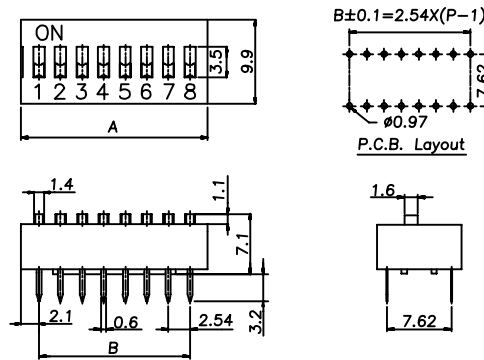


Position	DIM A	DIM B
2	6.60	2.54
3	9.14	5.08
4	11.68	7.62
5	14.22	10.16
6	16.76	12.70
7	19.30	15.24
8	21.80	17.78
9	24.38	20.32
10	26.92	22.86
12	32.00	27.94

SW-S-xx



NOTE: 1. ALL DIMENSIONS ARE IN MILLIMETERS. BRACKETED ARE IN INCHES.
2. GENERAL TOLERANCES: 10mm OVER ± 0.20 mm
3. MATERIAL: SEE PAGE 3 OF 3

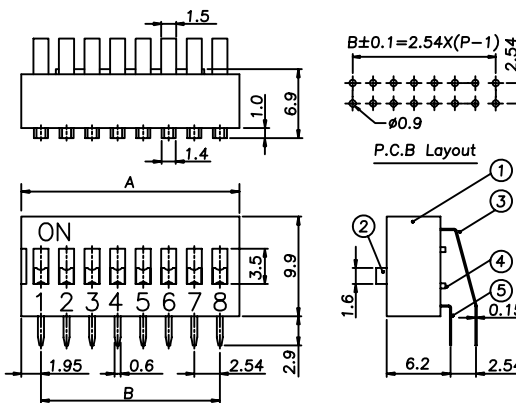


PROD. NO.	NO. OF POS.	DIM. A	DIM. B
SW-S-12	12	31.84	27.94
SW-S-10	10	26.76	22.86
SW-S-09	9	24.22	20.32
SW-S-08	8	21.68	17.78
SW-S-07	7	19.14	15.24
SW-S-06	6	16.60	12.70
SW-S-05	5	14.06	10.16
SW-S-04	4	11.52	7.62
SW-S-03	3	8.98	5.08
SW-S-02	2	6.44	2.54
SCHEMATIC (TYP.)			
(2, 3, 4, 5, 6, 7, 8, 9, 10, 12 POS AVAIL)			

SW-SRRD-xx

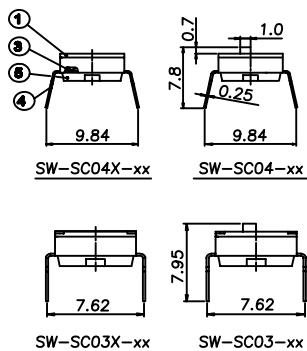


NOTE: 1. ALL DIMENSIONS ARE IN MILLIMETERS. BRACKETED DIMENSIONS ARE IN INCHES.
2. GENERAL TOLERANCES: 10mm OVER ± 0.20 mm
10mm BELOW ± 0.10 mm



PROD. NO.	NO. OF POS.	DIM. A	DIM. B
SW-SRRD-12	12	31.84	27.94
SW-SRRD-10	10	26.76	22.86
SW-SRRD-09	9	24.22	20.32
SW-SRRD-08	8	21.68	17.78
SW-SRRD-07	7	19.14	15.24
SW-SRRD-06	6	16.60	12.70
SW-SRRD-05	5	14.06	10.16
SW-SRRD-04	4	11.52	7.62
SW-SRRD-03	3	8.98	5.08
SW-SRRD-02	2	6.44	2.54
SCHEMATIC (TYP.)			
(2, 3, 4, 5, 6, 7, 8, 9, 10, 12 POS AVAIL)			

SW-SCxx-xx



PROD. NO.	NO. OF POS.	DIM. A	DIM. B
SW-SCxx-12	12	31.84	27.94
SW-SCxx-10	10	26.76	22.86
SW-SCxx-09	9	24.22	20.32
SW-SCxx-08	8	21.68	17.78
SW-SCxx-07	7	19.14	15.24
SW-SCxx-06	6	16.60	12.70
SW-SCxx-05	5	14.06	10.16
SW-SCxx-04	4	11.52	7.62
SW-SCxx-03	3	8.98	5.08
SW-SCxx-02	2	6.44	2.54
SW-SCxx-01	1	3.48	—
SCHEMATIC (TYP.)			
(2, 3, 4, 5, 6, 7, 8, 9, 10, 12 POS AVAIL)			

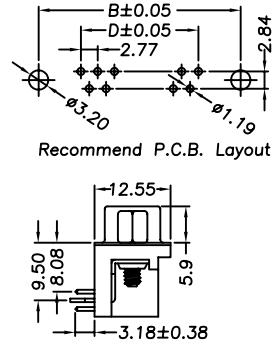
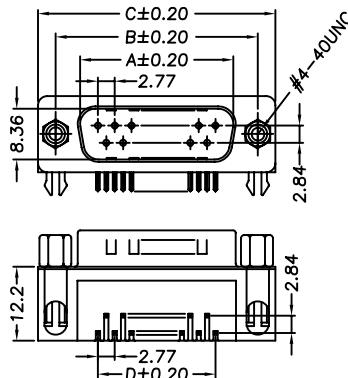
D-Sub Connectors

DR-PG-xx



Material:
Insulator: PBT+30% Glass Fiber(Meet UL94V-0).
Contact: Copper Alloy.
Contact Plated: Selective Gold over Nickel Plated.
Shell: Steel with Nickel or Tin or Zinc Plated.
Specification:
Current Rating: 5 Amps.
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance: 1000MΩ Min. at DC 500V.
Contact Resistance: 15mΩ Max..
Operating Temperature: -40°C~+105°C.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
DR-PG-09	16.92	24.99	30.81	11.08
DR-PG-15	25.25	33.32	39.14	19.39
DR-PG-25	38.96	47.04	53.04	33.24
DR-PG-37	55.42	63.50	69.32	49.86

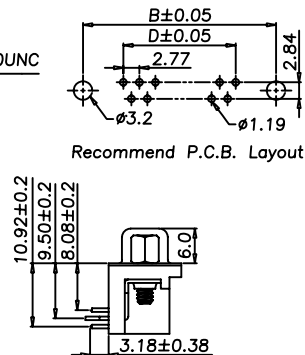
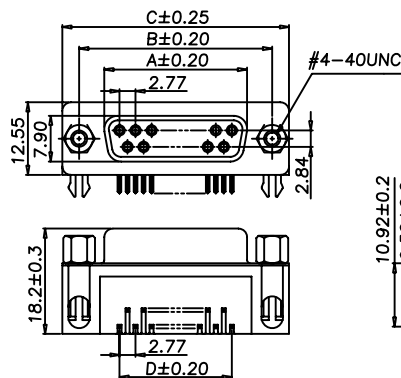


DR-SG-xx



Material:
Insulator: PBT+30% Glass Fiber(Meet UL94V-0).
Contact: Copper Alloy.
Contact Plated: Selective Gold over Nickel Plated.
Shell: Steel with Nickel or Tin or Zinc Plated.
Specification:
Current Rating: 5 Amps.
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance: 1000MΩ Min. at DC 500V.
Contact Resistance: 15mΩ Max..
Operating Temperature: -40°C~+105°C.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
DR-SG-09	16.33	24.99	30.81	11.08
DR-SG-15	24.66	33.32	39.14	19.39
DR-SG-25	38.38	47.04	53.04	33.24
DR-SG-37	54.84	63.50	69.32	49.86

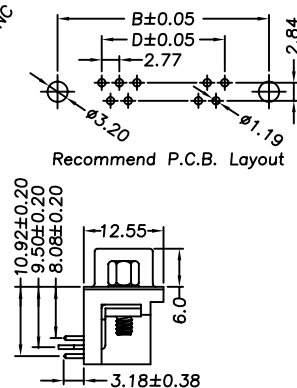
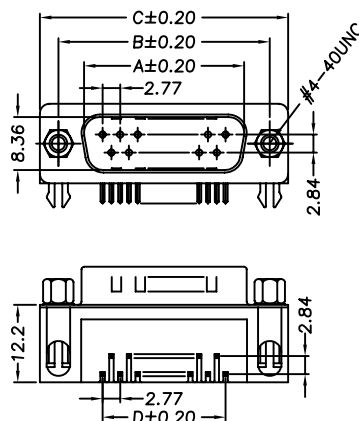


DR-PGNJ-xx



Material:
Insulator: PBT+30% Glass Fiber(Meet UL94V-0).
Contact: Copper Alloy.
Contact Plated: Selective Gold over Nickel Plated.
Shell: Steel with Nickel or Tin or Zinc Plated.
Specification:
Current Rating: 5 Amps.
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance: 1000MΩ Min. at DC 500V.
Contact Resistance: 15mΩ Max..
Operating Temperature: -40°C~+105°C.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
DR-PGNJ-09	16.92	24.99	30.81	11.08
DR-PGNJ-15	25.25	33.32	39.14	19.39
DR-PGNJ-25	38.96	47.04	53.04	33.24
DR-PGNJ-37	54.42	63.50	69.32	49.86

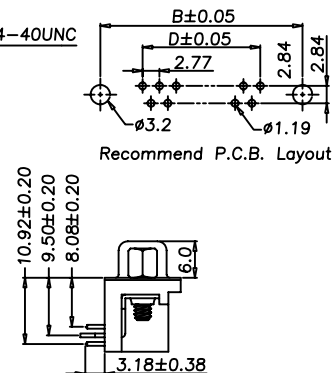
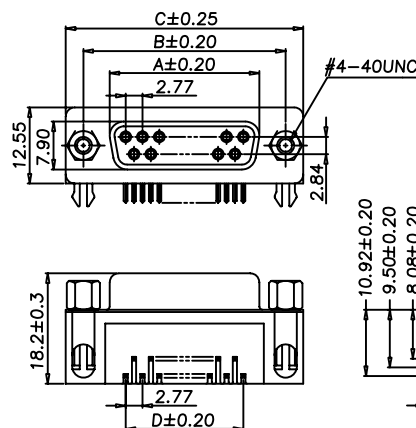


DR-SGNJ-xx



Material:
Insulator: PBT+30% Glass Fiber(Meet UL94V-0).
Contact: Copper Alloy.
Contact Plated: Selective Gold over Nickel Plated.
Shell: Steel with Nickel or Tin or Zinc Plated.
Specification:
Current Rating: 5 Amps.
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance: 1000MΩ Min. at DC 500V.
Contact Resistance: 15mΩ Max..
Operating Temperature: -40°C~+105°C.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
DR-SGNJ-09	16.33	24.99	30.81	11.08
DR-SGNJ-15	24.66	33.32	39.14	19.39
DR-SGNJ-25	38.38	47.04	53.04	33.24
DR-SGNJ-37	54.84	63.50	69.32	49.86



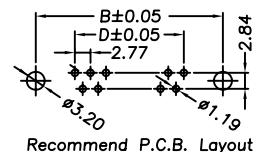
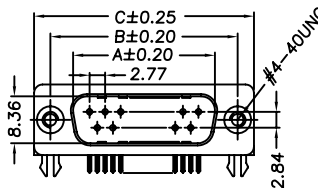
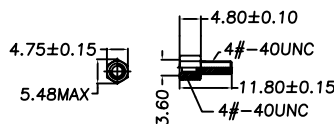
DR-PGNH-xx



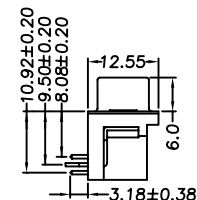
Material:
Insulator: PBT+30% Glass Fiber(Meet UL94V-0).
Contact: Copper Alloy.
Contact Plated: Selective Gold over Nickel Plated.
Shell: Steel with Nickel or Tin or Zinc Plated.

Specification:
Current Rating: 5 Amps.
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance: 1000MΩ Min. at DC 500V.
Contact Resistance: 15mΩ Max..
Operating Temperature: -40°C~+105°C.

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
DR-PGNH-09	16.92	24.99	30.81	11.08
DR-PGNH-15	25.25	33.32	39.14	19.39
DR-PGNH-25	38.96	47.04	53.04	33.24
DR-PGNH-37	55.42	63.50	69.32	49.86



Recommend P.C.B. Layout



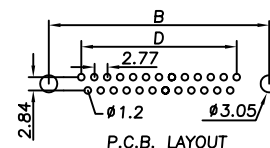
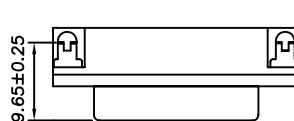
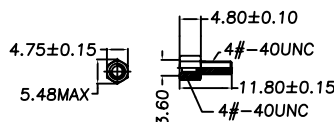
DR-SGNH-xx



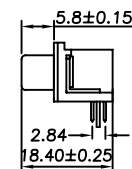
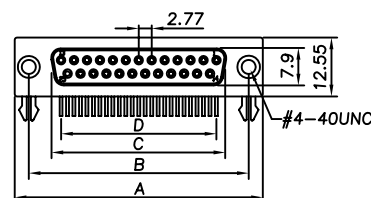
Material:
Insulator: PBT+30% Glass Fiber(Meet UL94V-0).
Contact: Copper Alloy.
Contact Plated: Selective Gold over Nickel Plated.
Shell: Steel with Nickel or Tin or Zinc Plated.

Specification:
Current Rating: 5 Amps.
Withstanding Voltage: AC 500V for 1 Minute.
Insulation Resistance: 1000MΩ Min. at DC 500V.
Contact Resistance: 15mΩ Max..
Operating Temperature: -40°C~+105°C.

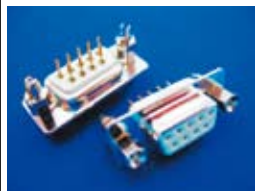
No. of Contacts	Dim. C	Dim. B	Dim. A	Dim. D
DR-SGNH-09	16.33	24.99	30.81	11.08
DR-SGNH-15	24.66	33.32	39.14	19.39
DR-SGNH-25	38.38	47.04	53.04	33.24
DR-SGNH-37	54.84	63.50	69.32	49.86



P.C.B. LAYOUT



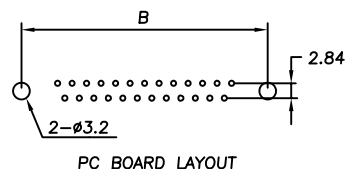
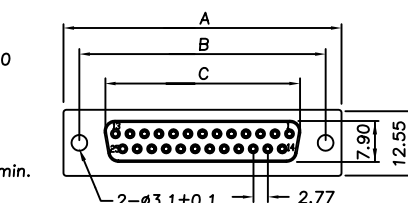
DD-SGZJ-xx



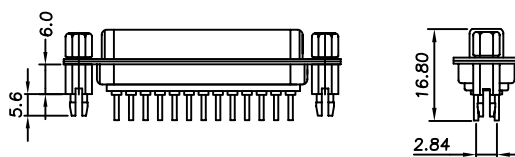
Material:
Insulator: High temperature thermoplastic with g.f,UL94v-0
Contact: Copper alloy,t=0.20mm
Shell: Spcc,t=0.30mm

Specification:
Current rating: 1 A Max.
Dielectric withstanding voltage: 750 V(ac) for 1 min.
Contact resistance: 30 mW Max.
Insulation resistance: 1000 MW Min.
Total mating force: 7.0 Kgf Max.
Total unmating force: 1.5 Kgf Min.
Temperature range: -55°C~85°C

No. of Contacts	Dim. A	Dim. B	Dim. C
DD-SGZJ-09	30.81	24.99	16.33
DD-SGZJ-15	39.25	33.32	24.66
DD-SGZJ-25	53.04	47.04	38.38
DD-SGZJ-37	69.50	63.50	54.84



PC BOARD LAYOUT



DCD11-PSZJ-09

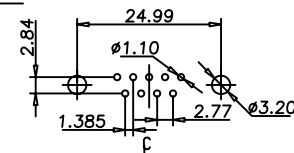
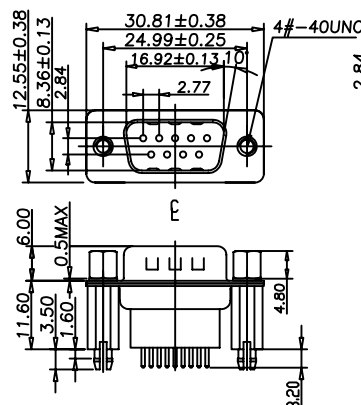


SPECIFICATIONS
ELECTRICAL CHARACTERISTICS:
Contact Current Rating:3 Amperes.
Dielectric Withstanding Voltage: AC 1000/60sec.r.m.s.
Insulation Resistance:500 Medohms Minimum.at DC 500V.
Contact Resistance:25 Milliohms Maximum.
Operating Temperature:-55°C to +105°C.

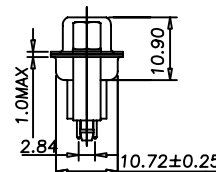
MECHANICAL CHARACTERISTICS:
Contact Insertion Force:341 g.Maximum.
Contact Separation Force:21 g.Minimum.
Grounding Screw Torque:3 Kg.Minimum.

MATERIALS:
Contacts:Brass.
Insulator: PBT UL 94V-0 Rated.
Shell:Cold Roller Steel.
Grounding Screw Torque:Brass

FINISHES:
Contact:Gold Flash.
Shell:Nickel Plated.



RECOMMENDED P.C.B. LAYOUT

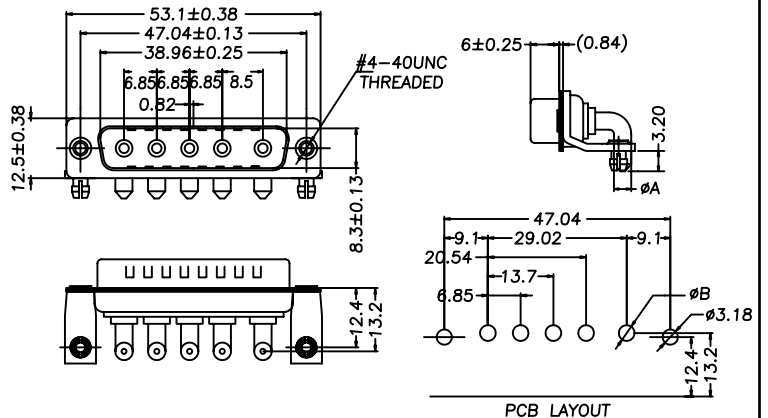


DWR-PxxZN-05W5



SPECIFICATIONS
 Insulator : Glass filled polyester UL 94V-0
 High power contact current rating : 20 Amps.
 High power contact resistance : <2.7mΩ
 Dielectric withstanding voltage :
 1000VAC for one minute.
 Insulation resistance : >5000MΩ
 Connector mating and unmating force :
 17.0kgf max.
 Durability : 100 cycles.
 Operating temperature : -55°C~+125°C

PART NO.	Current Rating	Dimension	
		ø A	ø B
DWR-P40ZN-05W5	40 AMPS	ø3.75	ø4.20
DWR-P20ZN-05W5	20 AMPS	ø2.8	ø3.28
DWR-P10ZN-05W5	10 AMPS	ø1.7	ø2.20

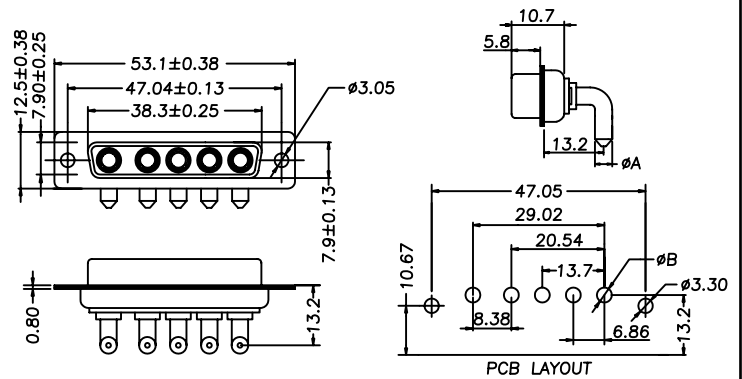


DWR-Sxx-05W5



SPECIFICATIONS
 Insulator : Glass filled polyester UL 94V-0
 High power contact current rating : 20 Amps.
 High power contact resistance : <2.7mΩ
 Dielectric withstanding voltage :
 1000VAC for one minute.
 Insulation resistance : >5000MΩ
 Connector mating and unmating force :
 17.0kgf max.
 Durability : 100 cycles.
 Operating temperature : -55°C~+125°C

PART NO.	Current Rating	Dimension	
		ø A	ø B
DWR-S40-05W5	40 AMPS	ø3.75	ø4.20
DWR-S20-05W5	20 AMPS	ø2.8	ø3.28
DWR-S10-05W5	10 AMPS	ø1.7	ø2.20

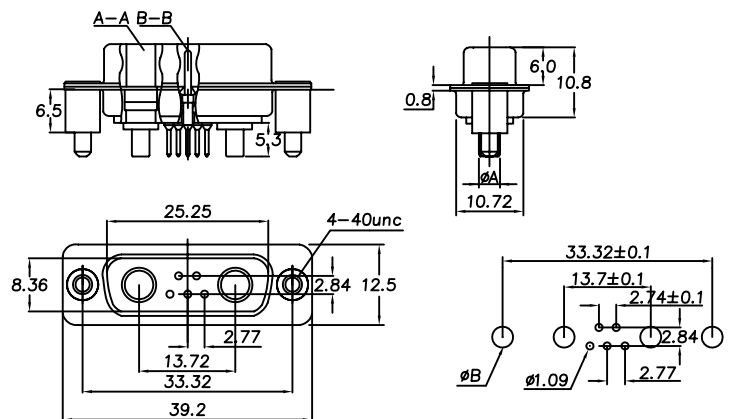


DWD-PxxZ-07W2



SPECIFICATIONS
 Insulator : Glass filled polyester UL 94V-0
 High power contact current rating : 20 Amps.
 High power contact resistance : <2.7mΩ
 Dielectric withstanding voltage :
 1000VAC for one minute.
 Insulation resistance : >5000MΩ
 Connector mating and unmating force :
 17.0kgf max.
 Durability : 100 cycles.
 Operating temperature : -55°C~+125°C

PART NO.	Current Rating	Dimension	
		ø A	ø B
DWD-P40Z-07W2	40 AMPS	ø3.75	ø4.20
DWD-S20Z-07W2	20 AMPS	ø2.8	ø3.28
DWD-S10Z-07W2	10 AMPS	ø1.7	ø2.20

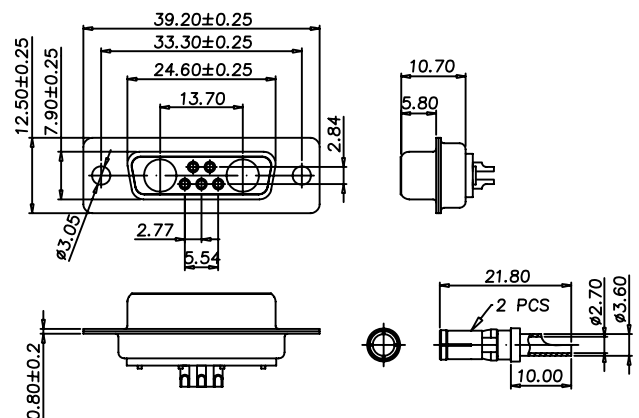


DWS-S20-07W2



SPECIFICATIONS
 Insulator : PBT Thermoplastic
 30%Glass filled polyester UL 94V-0
 High power contact current rating : 20 Amps.
 Signal contact resistance : <2.7mΩ MAX.
 Dielectric withstanding voltage :
 1000VAC for one minute.
 Insulation resistance : >5000MΩ
 Connector mating and unmating force :
 17.0kgf max.
 Durability : 100 cycles.
 Operating temperature : -55°C~+125°C

DWS-S20-07W2
 =20:20AMP



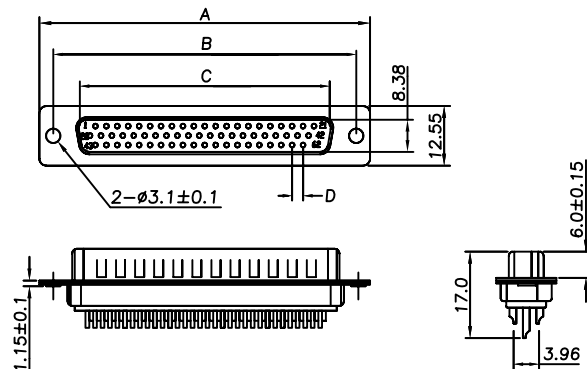
High Density Connector

HDS-PS-xx



Material:
Insulator: High temperature thermoplastic with g.f,UL94v-0
Contact: Copper alloy,t=0.20mm
Shell: Spcc,t=0.30mm

Specification:
Current rating: 1 A Max.
Dielectric withstanding voltage: 750 V(ac) for 1 min.
Contact resistance: 30 mΩ Max.
Insulation resistance: 1000 MΩ Min.
Total mating force: 8.0 Kgf Max.
Total unmating force: 1.5 Kgf Min.
Temperature range: -55°C~85°C



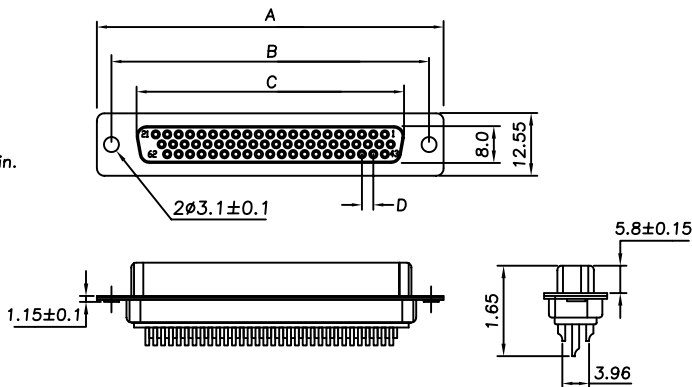
PART No.	A±0.25	B±0.20	C±0.20	D±0.05
HDS-PS-15	30.81	24.99	16.92	2.29
HDS-PS-26	39.25	33.32	25.25	2.29
HDS-PS-44	53.04	47.04	38.96	2.29
HDS-PS-62	69.50	63.50	55.42	2.41

HDS-SS-xx



Material:
Insulator: High temperature thermoplastic with g.f,UL94v-0
Contact: Copper alloy,t=0.20mm
Shell: Spcc,t=0.30mm

Specification:
Current rating: 1 A Max.
Dielectric withstanding voltage: 750 V(ac) for 1 min.
Contact resistance: 30 mΩ Max.
Insulation resistance: 1000 MΩ Min.
Total mating force: 8.0 Kgf Max.
Total unmating force: 1.5 Kgf Min.
Temperature range: -55°C~85°C



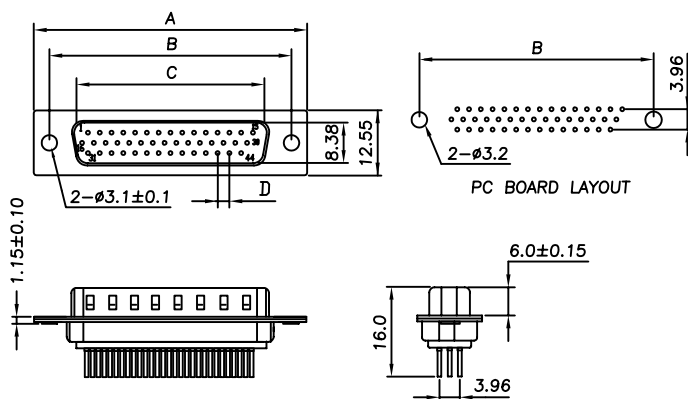
PART No.	A±0.25	B±0.20	C±0.20	D±0.05
HDS-SS-15	30.81	24.99	16.92	2.29
HDS-SS-26	39.25	33.32	25.25	2.29
HDS-SS-44	53.04	47.04	38.96	2.29
HDS-SS-62	69.50	63.50	55.42	2.41

HDD-PG-xx



Material:
Insulator: High temperature thermoplastic with g.f,UL94v-0
Contact: Copper alloy,t=0.20mm
Shell: Spcc,t=0.30mm

Specification:
Current rating: 1 A Max.
Dielectric withstanding voltage: 750 V(ac) for 1 min.
Contact resistance: 30 mΩ Max.
Insulation resistance: 1000 MΩ Min.
Total mating force: 8.0 Kgf Max.
Total unmating force: 1.5 Kgf Min.
Temperature range: -55°C~85°C



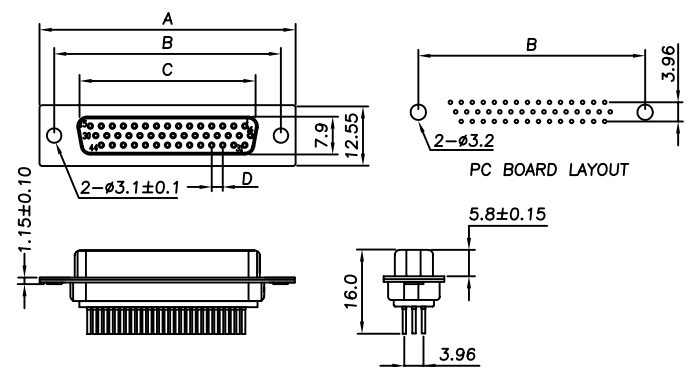
PART No.	A±0.25	B±0.20	C±0.20	D±0.05
HDD-PG-15	30.81	24.99	16.92	2.29
HDD-PG-26	39.25	33.32	25.25	2.29
HDD-PG-44	53.04	47.04	38.96	2.29
HDD-PG-62	69.50	63.50	55.42	2.41

HDD-SG-xx

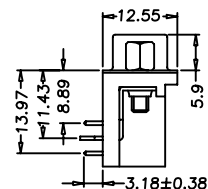
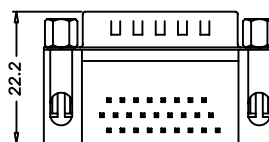


Material:
Insulator: High temperature thermoplastic with g.f,UL94v-0
Contact: Copper alloy,t=0.20mm
Shell: Spcc,t=0.30mm

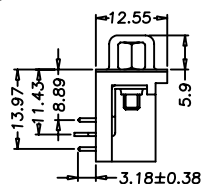
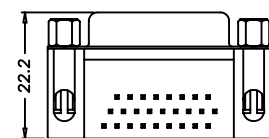
Specification:
Current rating: 1 A Max.
Dielectric withstanding voltage: 750 V(ac) for 1 min.
Contact resistance: 30 mΩ Max.
Insulation resistance: 1000 MΩ Min.
Total mating force: 8.0 Kgf Max.
Total unmating force: 1.5 Kgf Min.
Temperature range: -55°C~85°C



PART No.	A±0.25	B±0.20	C±0.20	D±0.05
HDD-SG-15	30.81	24.99	16.92	2.29
HDD-SG-26	39.25	33.32	25.25	2.29
HDD-SG-44	53.04	47.04	38.96	2.29
HDD-SG-62	69.50	63.50	55.42	2.41

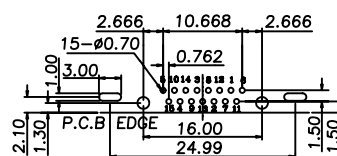
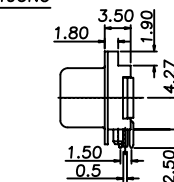


The image shows two electronic components. On the left is a multi-pin connector with a black plastic housing and a metal base with multiple pins. On the right is a surface-mount component, possibly a transformer or inductor, with a black plastic housing and a metal base with multiple pins.



Technical drawing of the front view of a rectangular metal plate. The drawing includes the following dimensions and specifications:

- Overall width: 30.81 ± 0.38
- Overall height: 12.55
- Distance from top edge to center of top hole: 1.98 ± 0.15
- Distance from bottom edge to center of bottom hole: 1.98
- Distance from left edge to center of left hole: 7.90
- Distance from right edge to center of right hole: 7.90
- Distance between centers of top and bottom holes: 24.99 ± 0.25
- Distance between centers of left and right holes: 16.33 ± 0.13
- Distance between the two central vertical holes: 0.25
- Threaded hole specification: $2-\#4-40\text{UNC}$



Recommended P.C.B Layout

Technical drawing of the 4#-40UNC connector showing front and side views with dimensions.

Front View Dimensions:

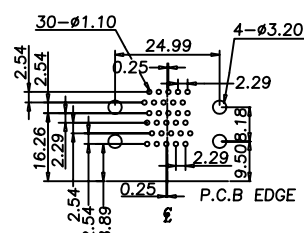
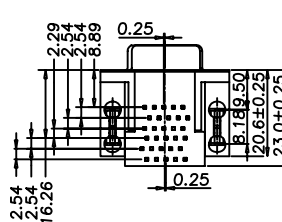
- Overall height: 12.55 ± 0.38
- Height from base to top of housing: 8.36 ± 0.13
- Height of top housing section: 3.96
- Height of middle section: 2.29
- Height of bottom section: 0.25
- Overall width: 30.81
- Width of top housing section: 24.99
- Width of middle section: 16.92
- Width of bottom section: 16.33
- Width of base: 0.25
- Height of base: 7.90
- Height of base section: 3.96
- Height of base section: 2.55 ± 0.38

Side View Dimensions:

- Overall height: 6.00 ± 0.25
- Height from base to top of housing: 3.18 ± 0.38
- Height of top housing section: 15.88
- Height of middle section: 28.40

Other Labels:

- 4#-40UNC



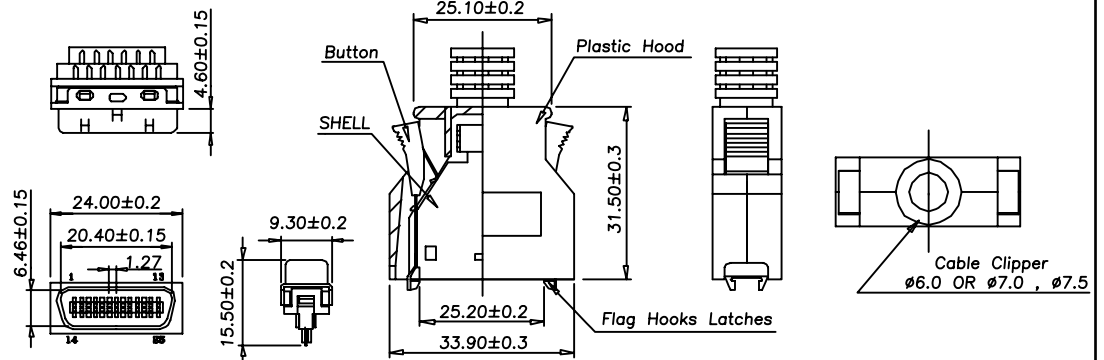
Recommended P.C.B Layout

Half pitch Connector

HPC-PSQ-026



Material:
Hood: Plastic ABS PA-769
Inner Shell: Steel, Nickel plated
Latch: Phosphor bronze, Nickel plated
Latch: Stainless steel

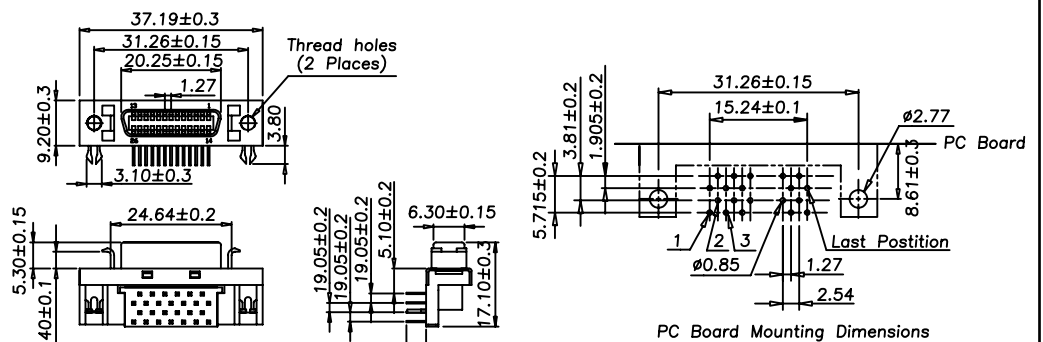


HPC-SRL-026



Material:
Housing and cover: Plastic thermoplastic
P.B.T UL94V-0

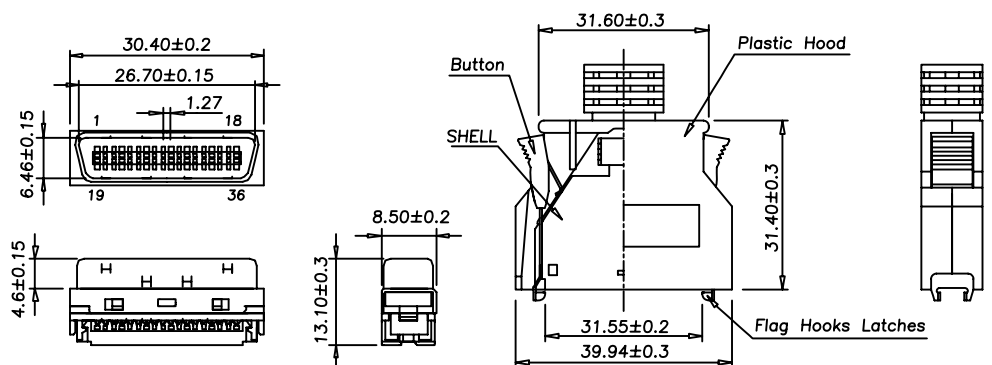
Electrical:
Current Rating: 1 Amps.
Withstanding Voltage: 500V AC/Min
Insulation Resistance: 500M ΩMin.
Contact Resistance: 35mΩ Max..
Operating Temperature: -55°C~+105°C.



HPC-PFQ-036



Material:
Hood: Plastic ABS PA-769
Inner Shell: Steel, Nickel plated
Latch: Phosphor bronze, Nickel plated
Latch: Stainless steel
Electrical:
Current Rating: 1 Amps.
Withstanding Voltage: 500V AC/Min
Insulation Resistance: 500M ΩMin.
Contact Resistance: 35mΩ Max..
Operating Temperature: -55°C~+105°C.

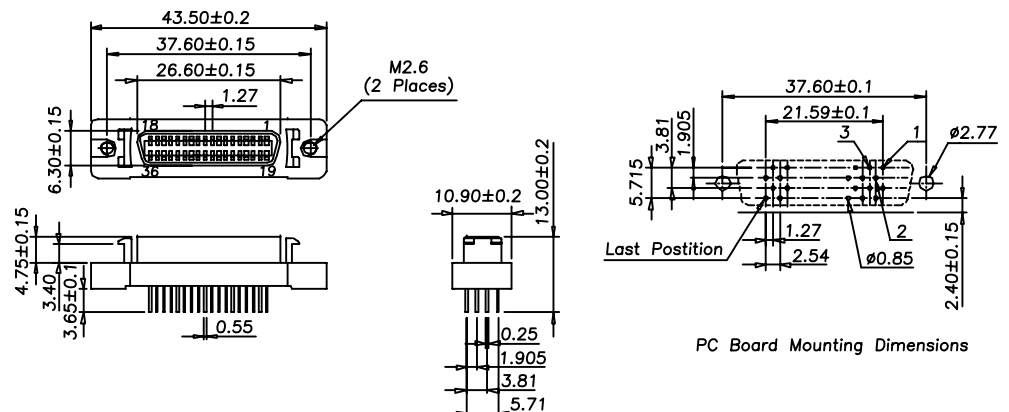


HPC-SDL-036



Material:
Housing and cover: Plastic thermoplastic
P.B.T UL94V-0

Electrical:
Current Rating: 1 Amps.
Withstanding Voltage: 500V AC/Min
Insulation Resistance: 500M ΩMin.
Contact Resistance: 35mΩ Max..
Operating Temperature: -55°C~+105°C.

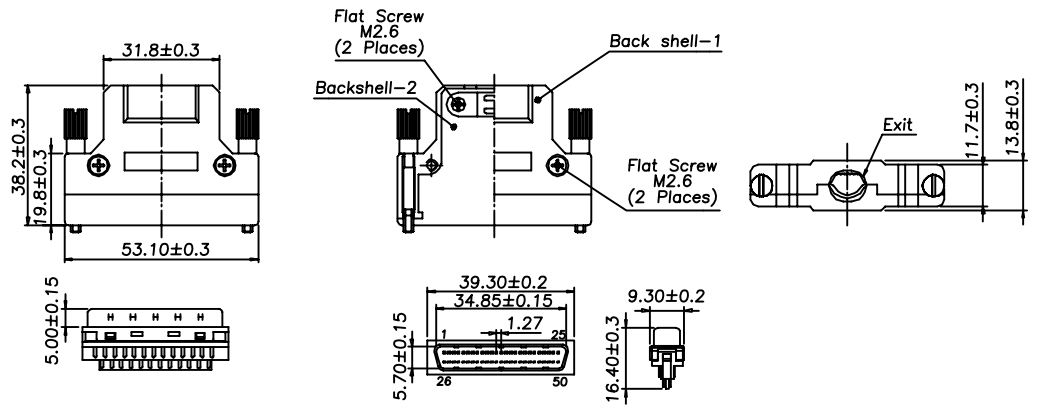


HPD-PSM-050



Material:
Housing and cover: Plastic thermoplastic
P.B.T UL94V-0

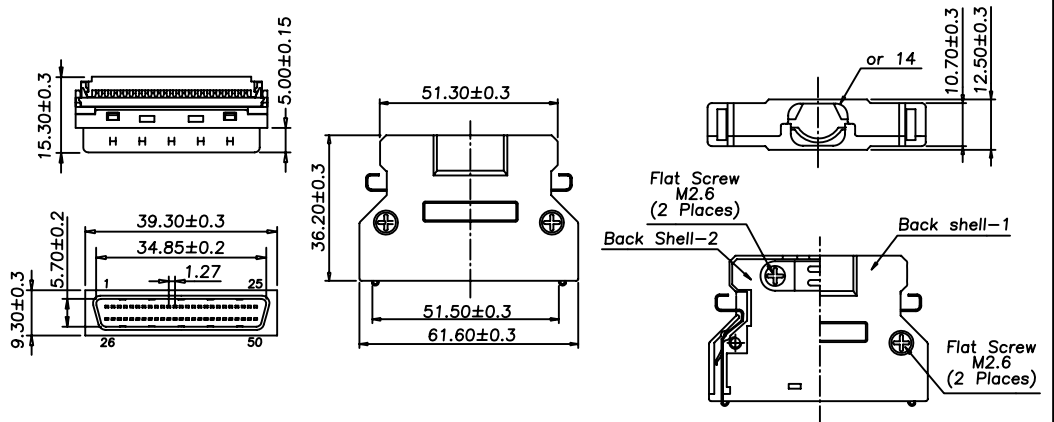
Electrical:
Current Rating: 1 Amps.
Withstanding Voltage: 500V AC/Min
Insulation Resistance: 500M Ω Min.
Contact Resistance: 35m Ω Max..
Operating Temperature: -55°C~+105°C.



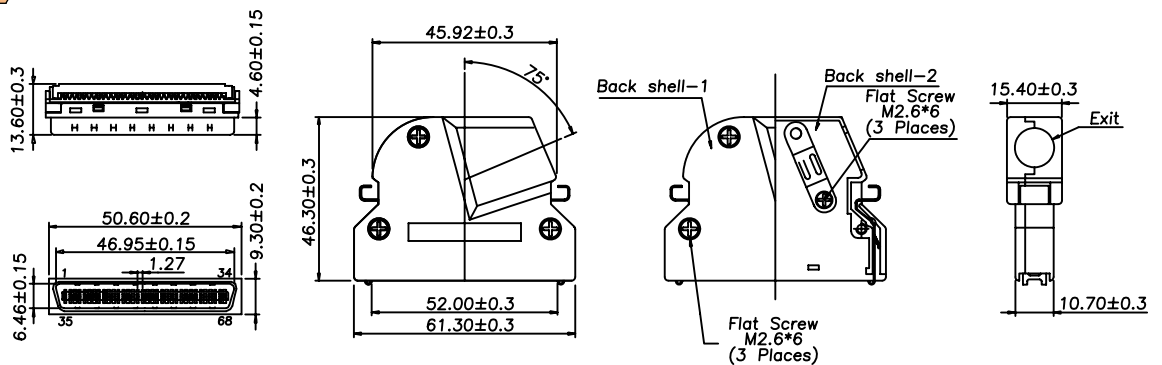
HPD-PFW-050



Materials:
Backshell: Zinc plated nickel over copper
Spring latches: phosphor Bronze over nickel
Screw: steel nickel plated over copper
Cable clipper: steel nickel plated



HPD-PFWA-068

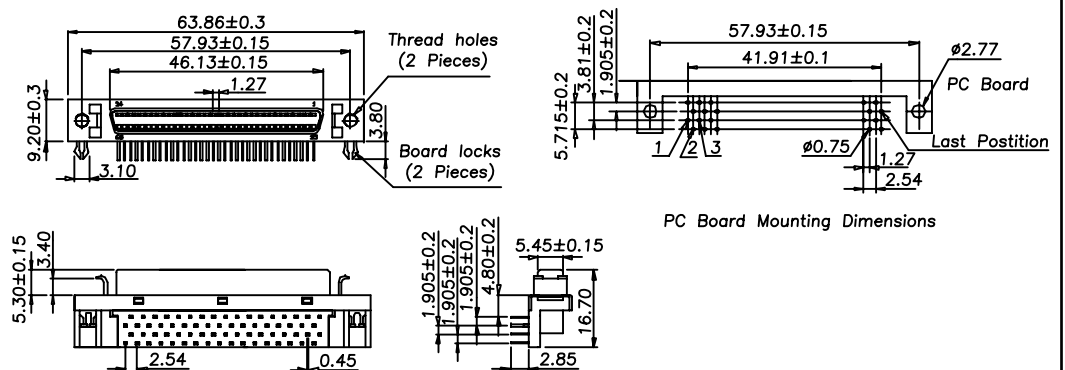


HPD-SRL-068



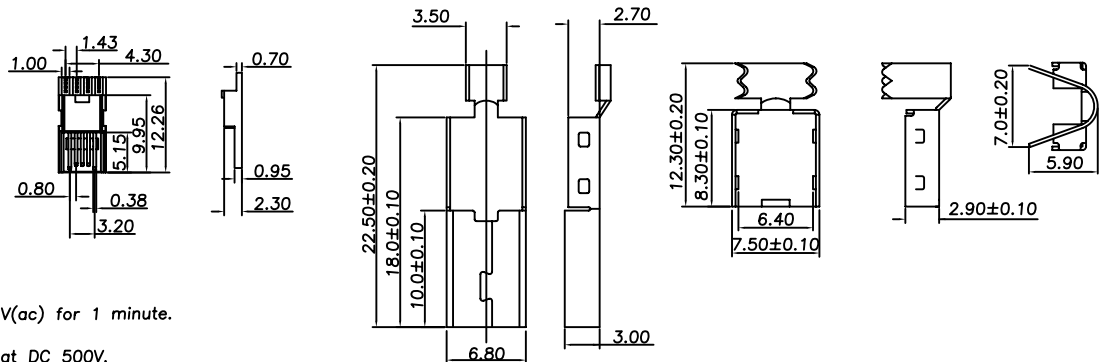
Material:
Housing and cover: Plastic thermoplastic
P.B.T UL94V-0

Electrical:
Current Rating: 1 Amps.
Withstanding Voltage: 500V AC/Min
Insulation Resistance: 500M Ω Min.
Contact Resistance: 35m Ω Max..
Operating Temperature: -55°C~+105°C.



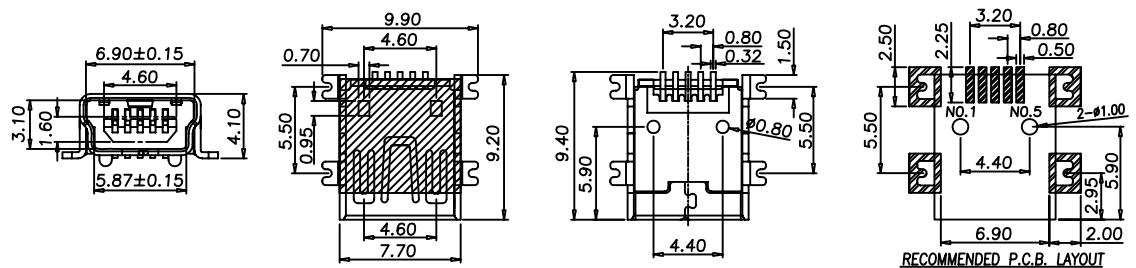
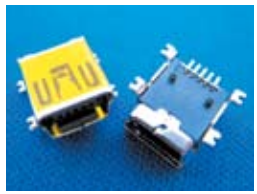
Mini USB Connector

MSB-PS-5B



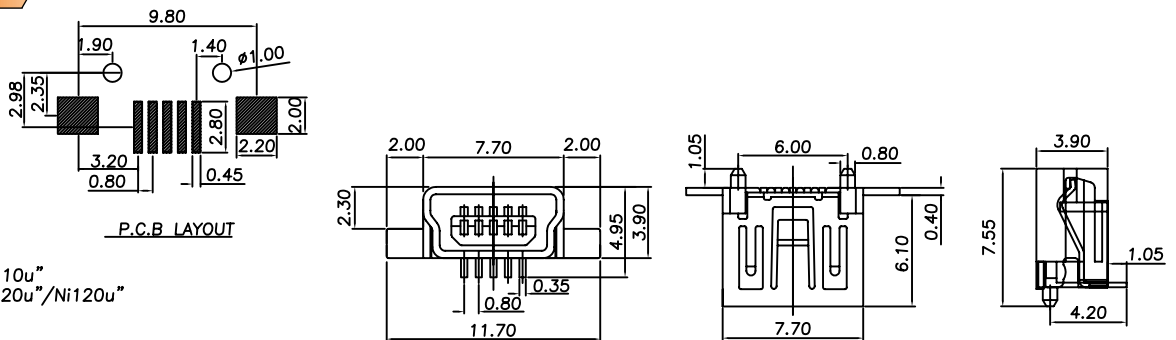
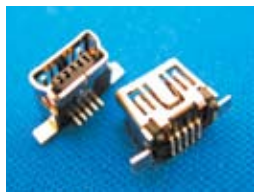
Material:
 Insulator: P.B.T UL 94-V0 rated.
Specification:
 Current rating: 1 A Max.
 Dielectric withstanding voltage: 500 V(ac) for 1 minute.
 Contact resistance: 30 mΩ Max.
 Insulation resistance: 1000 mΩ Min at DC 500V.
 Temperature range: -55°C~+105°C.

MSB-SWC-5B



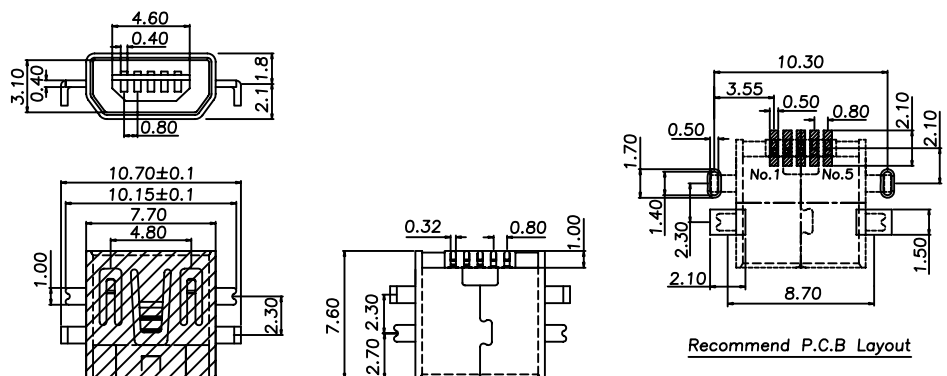
Material:
 Housing:LCP
 Contact:Phosphor Bronze
 Shell:Phosphor Bronze
Specification:
 Current rating: 5V / 1 A Max.
 Dielectric withstanding voltage: 100 V(ac) /3mA 1 Minute.
 Insulation resistance: 500Vdc for 1 Minute.

MSB-SVEP-5B



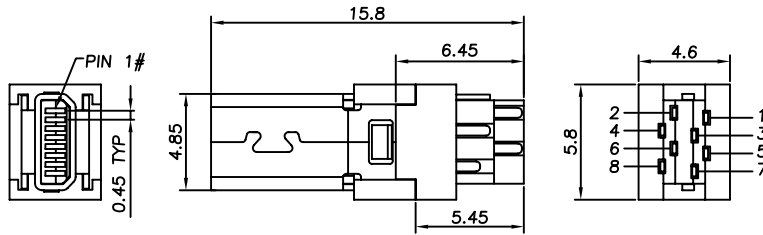
Material:
 Housing:LCP
 Pin:Phosphor Bronze/Gold 10u"
 Shell:Phosphor Bronze / 120u"/Ni120u"
Specification:
 Rating: 5V / 1 A
 Dielectric withstanding voltage: AC 100V for 1 Minute
 Insulation resistance: 100M ohm Min at DC 500V
 Contact Resistance: 30m ohm or less

MSB-SWFEMC-5AB



Material:
 Housing:LCP
 Pin:Phosphor Bronze
 Shell: Brass
Specification:
 Rating: 5V / 1 A
 Dielectric withstanding voltage: AC 100V for 1 Minute
 Insulation resistance: 100M ohm Min at DC 500V
 Contact Resistance: 30m ohm or less

MSB-PS-8A



Specifications:

1.Electrical:

- 1-1 Rating: AC 5V/0.5A
- 1-2 Contact Resistance: 50m Ohm or less
- 1-3 Insulation Resistance: 100M Ohm Min at DC500V
- 1-4 Dielectric Withstanding Voltage: AC 100V for 1 minute(Cut-off: 0.5mA)

2.Mechanical:

- 2-1 Insertion force: 35N (3.57kgf) max.
- 2-2 Withdrawal Force: 1N (0.1kgf) min.

NOTE:

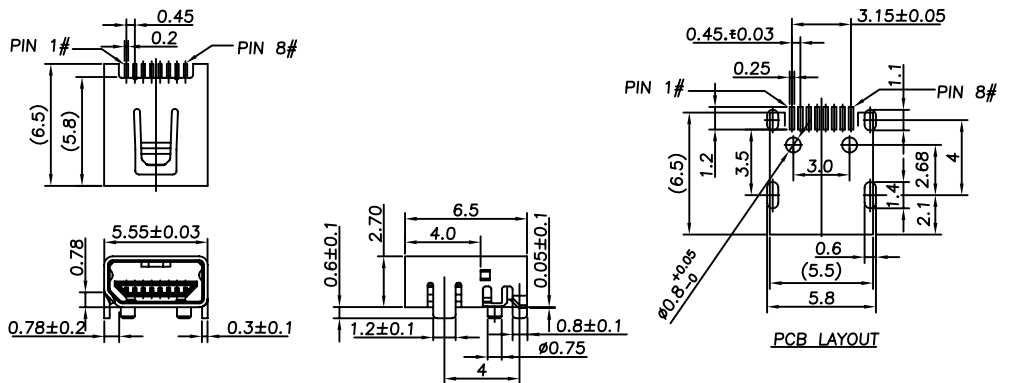
1.MATERIAL

- 1-1 CONTACT: PHOSPHORUS COPPER
- 1-2 FRONT HOUSING: LCP
- 1-3 BACK HOUSING: LCP
- 1-4 SHELL: BRONZE

2.PLATING

- 2-1 CONTACT: GOLD 10u"/TIN
- 2-2 SHELL: NICKEL

MSB-SW-8A



NOTE:

1.MATERIAL

- 1-1 CONTACT: PHOSPHOR BRONZE
- 1-2 HOUSING: LCP
- 1-3 SHELL: PHOSPHOR BRONZE

2.PLATING

- 2-1 CONTACT: GOLD 10u"
- 2-2 SHELL: GOLD FLASH 1-3u"

MSB-PS-8B



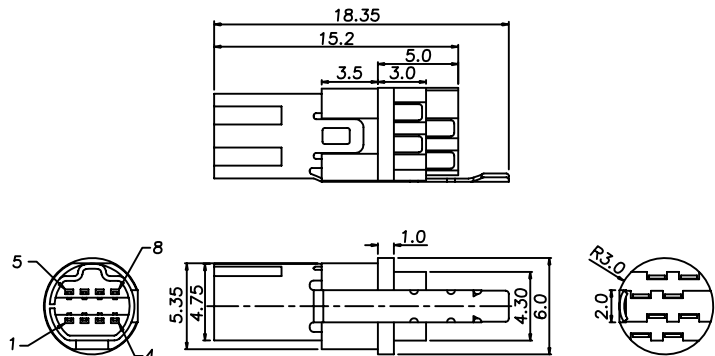
NOTE:

1.MATERIAL

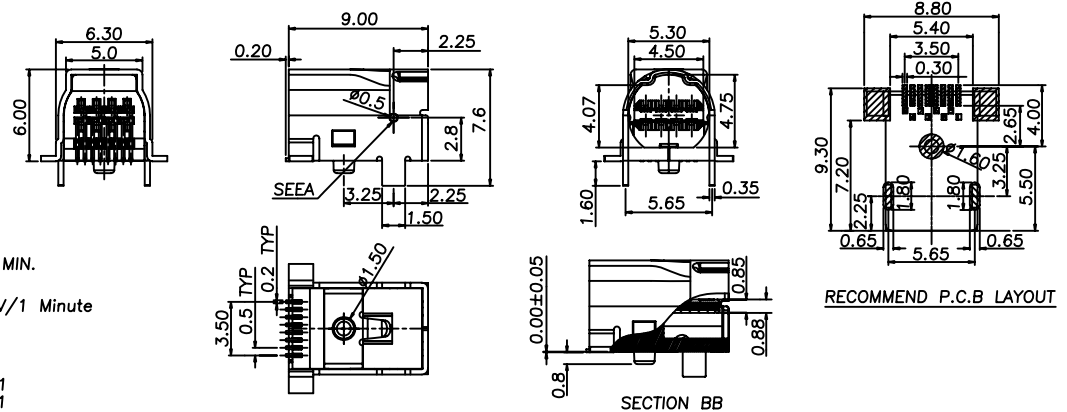
- 1-1 PIN: PHOSPHOR BRONZE
- 1-2 HOUSING: LCP
- 1-3 SHELL: PHOSPHOR BRONZE

2.PLATING

- 1-1 PIN:TIN 120u" GOLD 3u"



MSB-SW-8B



ELECTRICAL PROPERTIES

- Contact current rating: 1A at 250V AC MIN.
- Contact Resistance: 50m ohm max
- Insulation Resisting voltage: AC 100V/1 Minute

MATERIAL

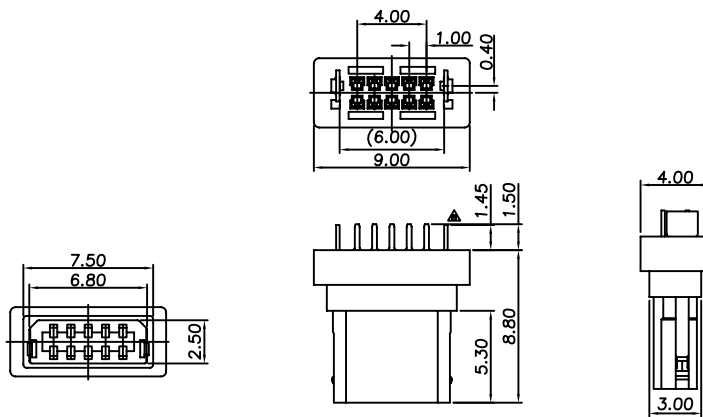
- Terminal: Phosphor Bronze
- Housing: LCP

- Shell:Material: Brass C2680 T=0.35±0.01
- Ground shell: Brass C2680 T=0.30±0.01

MSB-PS-10D



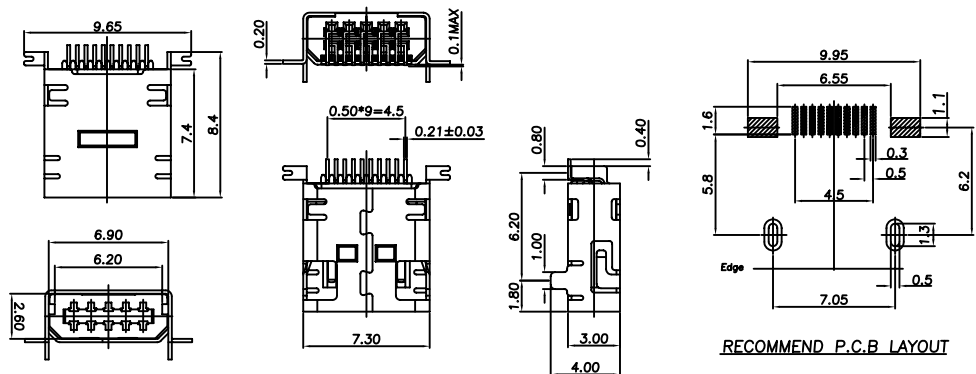
MATERIAL:
HOUSING: PBT+30%GF
PIN: PHOSPHOR BRONZE
SPRIN: PHOSPHOR BRONZE
PLATING:
PIN: SEE TABLE A
SPRIN: TIN



MSB-SW-10D



MATERIAL:
HOUSING: LCP
PIN: PHOSPHOR BRONZE
SHELL: PHOSPHOR BRONZE
PLATING:
PIN: TABLE A
SHELL: TIN.



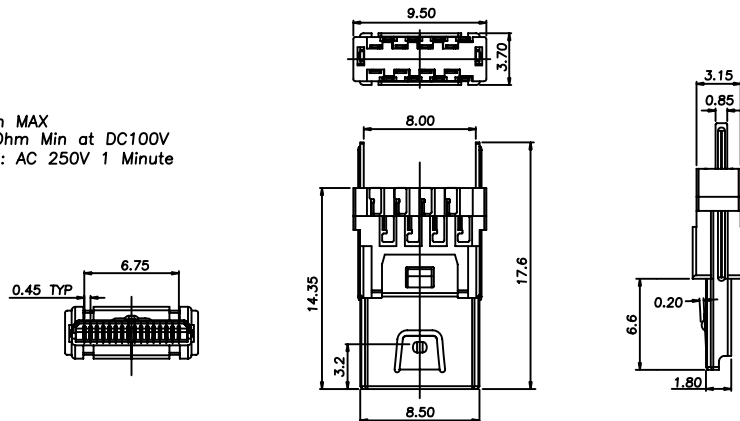
RECOMMEND P.C.B LAYOUT

MSB-PS-16

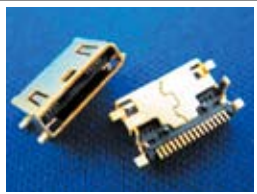


Specifications:
1.Electrical:
Rating: DC 30V/1A
Contact Resistance: 30m Ohm MAX
Insulation Resistance: 500M Ohm Min at DC100V
Dielectric Withstanding Voltage: AC 250V 1 Minute

2.Material:
Pin: Phosphor Bronze
Housing: LCP
Shell: Phosphor Bronze
Back Cover: PBT+30%GF

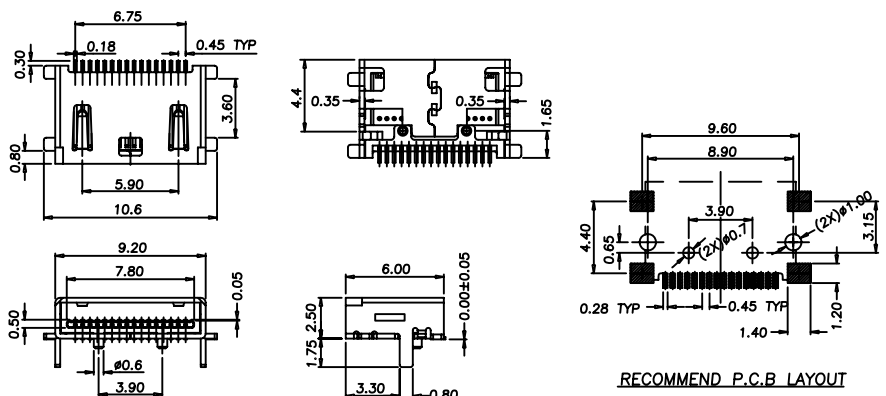


MSB-SW-16



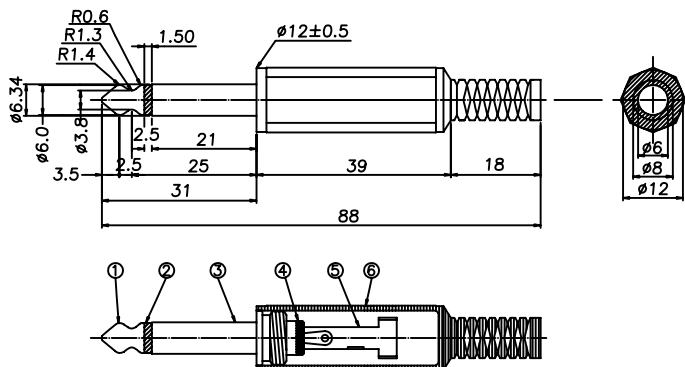
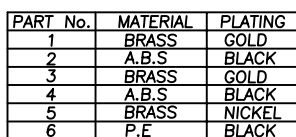
2.Material:
Pin: Phosphor Bronze
Housing: LCP
Shell: Phosphor Bronze

Specifications:
1.Electrical:
Rating: DC 30V/1A
Contact Resistance: 30m Ohm MAX
Insulation Resistance: 500M Ohm Min at DC100V
Dielectric Withstanding Voltage: AC 250V 1 Minute

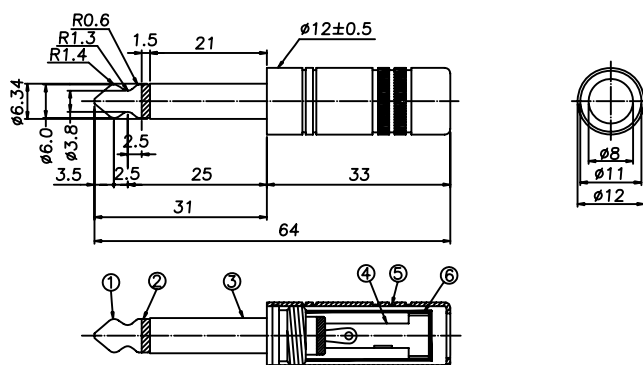
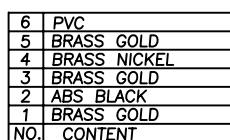


RECOMMEND P.C.B LAYOUT

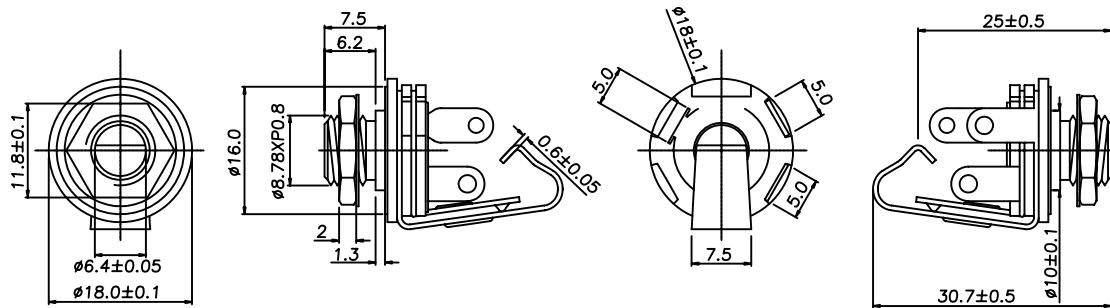
HP-A-02



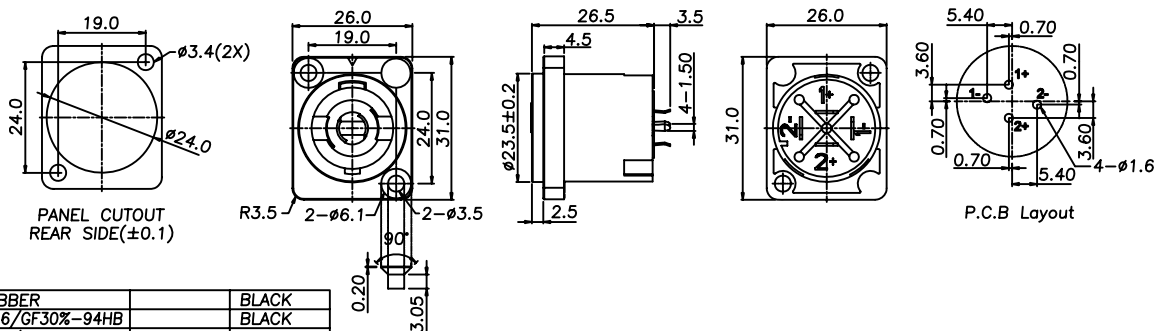
HP-AG-02M



HJ-SPB-02A



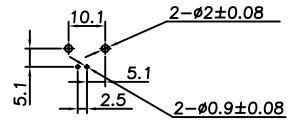
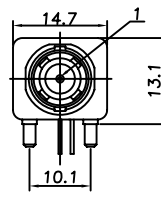
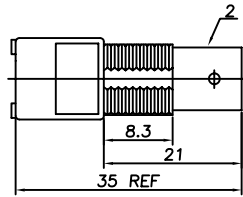
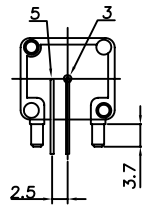
HPJ-DPQ-04



5	SPRING RING	1	RUBBER		BLACK
4	COVER	1	PA66/GF30%-94HB		BLACK
3	HOUSING	1	PA66/GF30%-94HB		BLACK
2	CONTACTS	4	P.B.S	SIL VER	
1	EARTH TERMINAL	1	SK7Δ	NICKEL	
NO	PART NAME	Q'TY	MATERIAL		REMARK

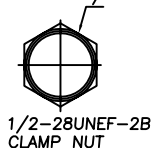
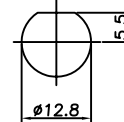
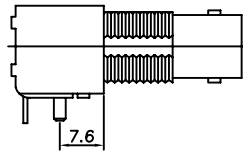
BNC Connector

BNC-JR13WFM-50

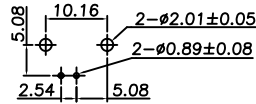


PCB HOLE CONFIGURATION
RECOMMENDED PANEL CUTOUTS

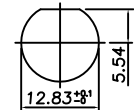
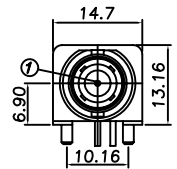
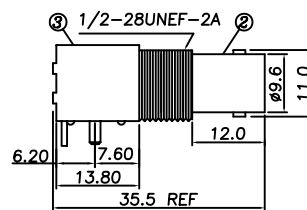
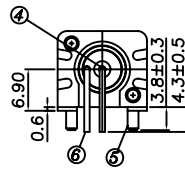
7	NUT	BRASS	NICKEL	1
6	WASHER	PHOSPHOR BRONZE	NICKEL	1
5	GROUND TAIL	BRASS WIRE	TIN LEAD	1
4	MOUNTING POST	BRASS	TIN LEAD	1
3	INSULATOR	PE-606	NONE	1
2	BODY	ZINC ALLOY	NICKEL	1
1	CENTER CONTACT	PHOSPHOR BRONZE	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



BNC-JR13WWH-50



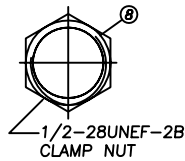
RECOMMENDED PC BOARD LAYOUT
WITHOUT MOUNTING POSTS



RECOMMENDED MOUNTING HOLE
MAXIMUM PANEL THICKNESS: 5.5MM

MATERIAL & FINISH

- CENTER CONTACT : BRONZE, GOLD PLATING
- BODY : ZINC ALLOY, NICKEL PLATING
- HOUSING : PBT (94 V-0) WHITE
- INSULATOR : PE-606
- MOUNTING POST : BRONZE, TIN PLATING
- SOLDER TAIL : COPPER WIRE, TIN PLATING
- WASHER : STEEL, NICKEL PLATING
- NUT : BRASS, NICKEL PLATING

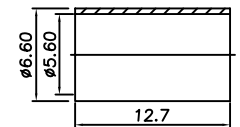
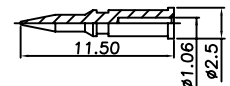
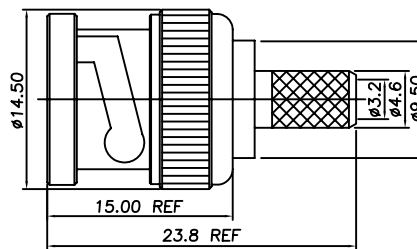


BNC-PC-58

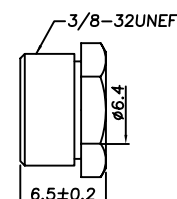
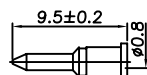
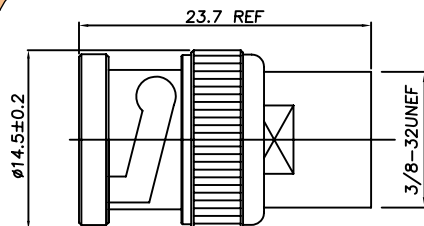


9	FERRULE	BRASS	NICKEL	1
8	GASKET	RUBBER	RED	1
7	WASHER	STEEL	NICKEL	1
6	SPRING	SK-5	NICKEL	1
5	WASHER	STEEL	NICKEL	1
4	PIN	BRASS	GOLD	1
3	INSULATOR	DELIN	WHITE	1
2	BODY	BRASS	NICKEL	1
1	SHELL	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

ELECTRICAL SPECIFICATIONS:
VOLTAGE RATING: AC 500V
WITH STANDING VOLTAGE: AC 1,500V ONE MINUTE
INSULATION RESISTANCE: 1,000M Ω MIN AT DC 500V
CONTACT RESISTANCE : 3MW MAX AT DC 1A
FREQUENCY RANGE : 0-4GHZ
VSWR: 1.2MAX 0-2GHZ
IMPEDANCE : 50 OHM VERSIONS



BNC-PS-59

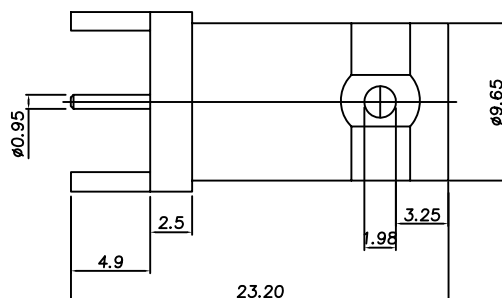
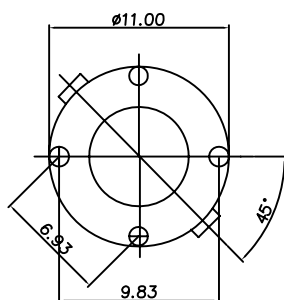


12	NUT	ZINC	NICKEL	1
11	WASHER	BRASS	NICKEL	1
10	RUBBER WASHER	RUBBER	RED	1
9	WASHER	BRASS	NICKEL	1
8	CENTER CONTACT	BRASS	GOLD	1
7	BODY	ZINC	NICKEL	1
6	WASHER	FE	NICKEL	1
5	SPRING	65MN		1
4	OUT CONTACT	ZINC ALLOY	NICKEL	1
3	RUBBER WASHER	PVC	RED	1
2	SHELL	ZINC	NICKEL	1
1	INSULATOR	ABS		1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

BNC-JDL232-50



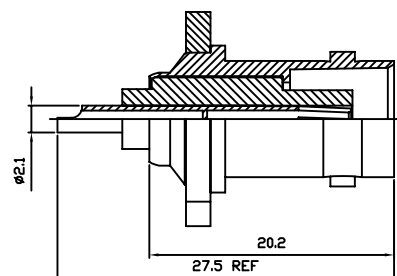
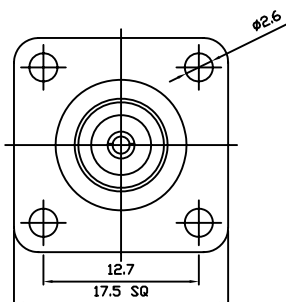
4	Dress it washer	1	Brass	Nickel
3	Dielectric	1	Delrin	None
2	PIN	1	Brass	Gold
1	Body	1	Zinc	Nickel
NO	Description	Q'ty	Material	Pinish



BNC-JSPQ-50



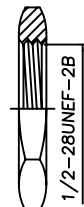
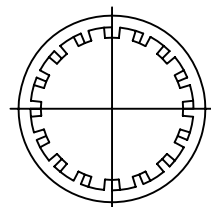
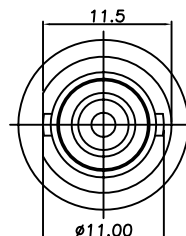
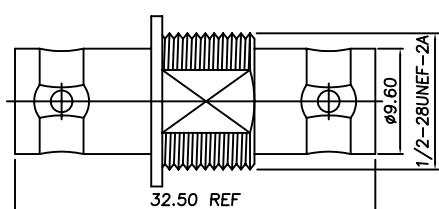
4	PANEL	BRASS	NICKEL	1
3	INSULATOR	DELIN	WHITE	1
2	PIN	PHOSPHOR BRONZE	GOLD	1
1	BODY	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



BNCX2-FSPN-75



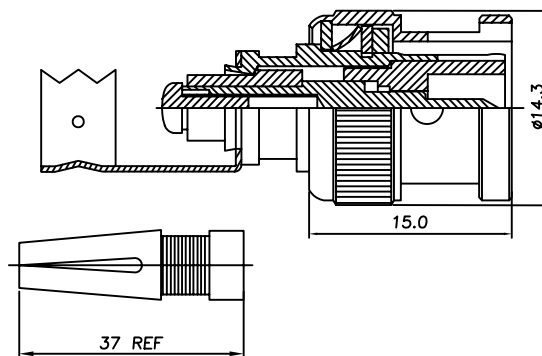
7	UNT	BRASS	NICKEL	1
6	WASHER	BRASS	NICKEL	1
5	PRESS IT WASHER	BRASS	NICKEL	1
4	DIELECTRIC	DELIN	NONE	1
3	DIELECTRIC	DELIN	NONE	1
2	PIN	BRASS	GOLD	1
1	BODY	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



BNC-PA-58



12	SCREW	STEEL	NICKEL	1
11	WASHER	IRON	NICKEL	1
10	SPRING	SK-5	NICKEL	1
9	WASHER	STEEL	NICKEL	1
8	GASKET	RUBBER	RED	1
7	INSULATOR	DELIN	WHITE	1
6	INSULATOR	DELIN	WHITE	1
5	PIN	BRASS	GOLD	1
4	GROUND RING	BRASS	NICKEL	1
3	BODY	PVC	BLACK	1
2	BODY	ZINC	NICKEL	1
1	SHELL	ZINC	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



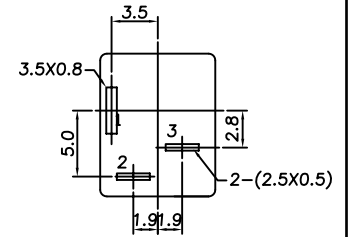
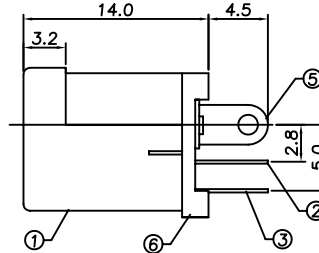
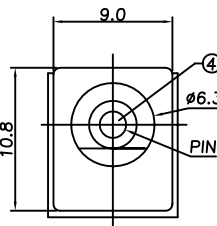
DC Power Connector

DCJ-D-xx



CAT. NO.	PIN	SCHEMATIC
DCJ-D-20	Ø2.0	1
DCJ-D-25	Ø2.5	3

UNLESS OTHERWISE SPECIFIED,
TOLERANCE ON DECIMAL:±0.3



T:1.6 Dimensions of PC board holes

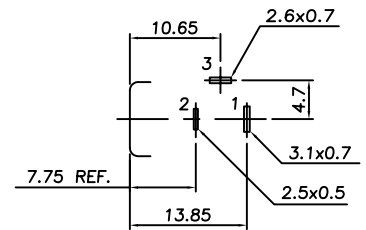
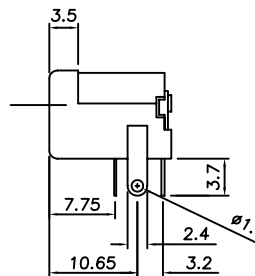
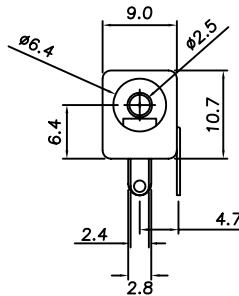
Tolerance : ±0.1(Printed-top view)

LTR	PART NAME	QTY	MATERIAL	REMARK
6	COVER	1		
5	CONTACT FOOT	1	BRASS	MB:Cu Cu/Sn PLATED
4	PIN	1	H59 BRASS	MB:Cu Ni PLATED
3	SPRING	1	65Mn STEEL	MB:Cu Cu/Sn PLATED
2	FLAT PIECE	1	H62 BRASS	MB:Cu Cu/Sn PLATED
1	HOUSING	1	PBT/PASS	

DCJ-R-25



SCHEMATIC
1
3
2



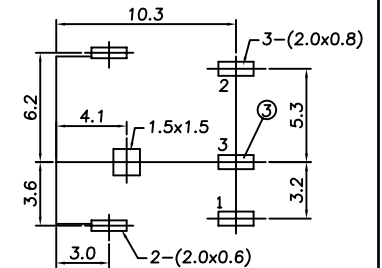
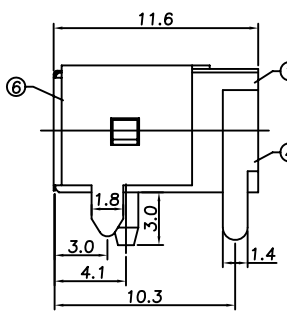
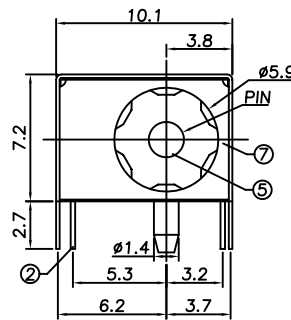
PCB LAYOUT
(BOTTOM VIEW)

NO.	NAME	MATERIAL	FINISH
1	PIN TERMINAL	BRASS 0.4THK	TIN PLATED
2	SLEEVE TERMINAL	PBS 0.25THK	TIN PLATED
3	BREAK TERMINAL	BRASS 0.4THK	TIN PLATED
4	HOUSING	P.B.T.	BLACK
5	CENTER PIN	BRASS Ø2.5	NICKEL PLATED

DCJ-R40AM-xx



CAT. NO.	PIN	SCHEMATIC
DCJ-R40AM-20	Ø2.0	1
DCJ-R40AM-25	Ø2.5	3
DCJ-R40AM-165	Ø1.65	2

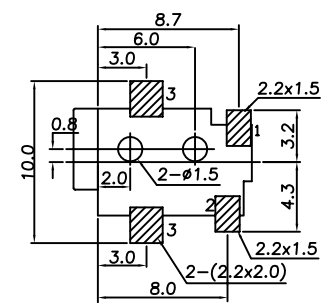
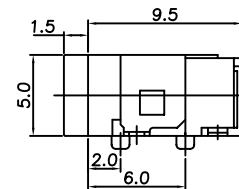
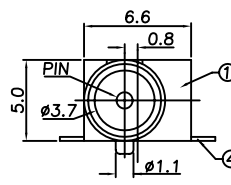


T:1.6 Dimensions of PC board holes

Tolerance : ±0.1(Printed-top view)

UNLESS OTHERWISE SPECIFIED, TOLERANCE ON DECIMAL:±0.3

DCJ-W24-xx



T:1.6 Dimensions of PC board holes

Tolerance : ±0.1(Printed-top view)

LTR	PART NAME	QTY	MATERIAL	REMARK
4	CONTACT FOOT	1	BRASS	MB:Cu Ag PLATED
3	SPRING	1	BRONZE	MB:Cu Ag PLATED
2	PIN	1	BRONZE	MB:Cu Ag PLATED
1	HOUSING	1	PBT/PA46	

SCHEMATIC		
DCJ-W24-10	ø1.0	 3
DCJ-W24-13	ø1.3	 1
		 2

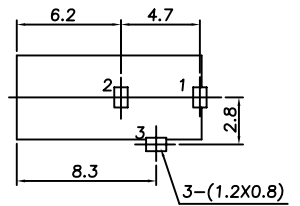
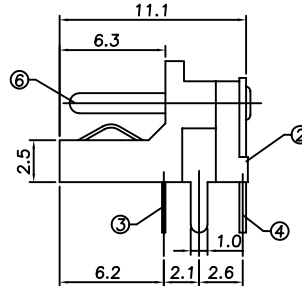
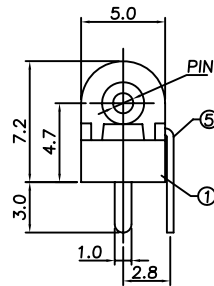
UNLESS OTHERWISE SPECIFIED,
TOLERANCE ON DECIMAL: ±0.2

DCJ-RDP-xx



CAT. NO.	PIN	SCHEMATIC
DCJ-RDP-10	Ø1.0	1
DCJ-RDP-13	Ø1.3	3 2

UNLESS OTHERWISE SPECIFIED,
TOLERANCE ON DECIMAL:±0.3



T:1.6 Dimensions of PC board holes
Tolerance : ±0.1(Printed-top view)

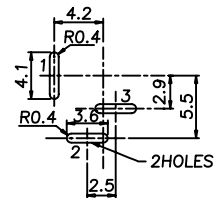
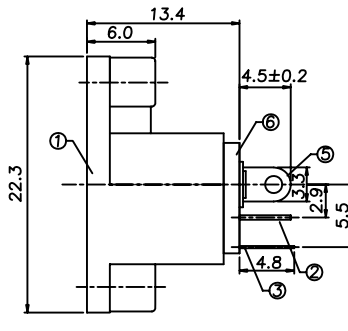
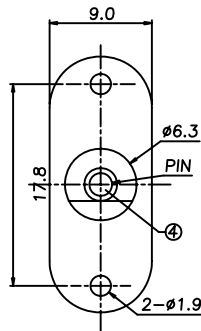
6	PIN	1	H59 BRASS	MB:Cu Ni PLATED
5	CURVE PIECE	1	H62 BRASS	MB:Cu Ag PLATED
4	FLAT PIECE	1	H62 BRASS	MB:Cu Ag PLATED
3	SPRING PIECE	1	STAINLESS STEEL	MB:Cu Ag PLATED
2	COVER	1	PBT/PA66/ABS	
1	HOUSING	1	PBT/PA66/ABS	
LTR	PART NAME	QTY	MATERIAL	REMARK

DCJ-DPE13-xx



CAT. NO.	PIN	SCHEMATIC
DCJ-DPE13-20	Ø2.0	1
DCJ-DPE13-25	Ø2.5	3 2

UNLESS OTHERWISE SPECIFIED, TOLERANCE ON DECIMAL:±0.3



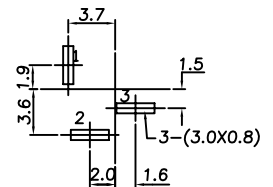
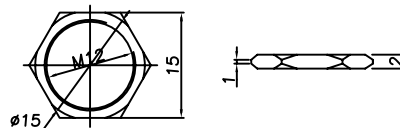
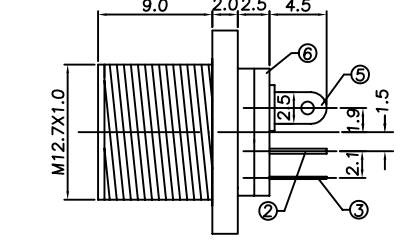
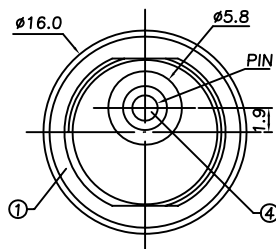
T:1.6 Dimensions of PC board holes
Tolerance : ±0.1(Printed-top view)

DCJ-DPBH-xx



CAT. NO.	PIN	SCHEMATIC
DCJ-DPBH-20	Ø2.0	1
DCJ-DPBH-25	Ø2.5	3 2

UNLESS OTHERWISE SPECIFIED, TOLERANCE ON DECIMAL:±0.3



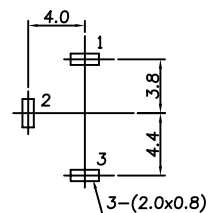
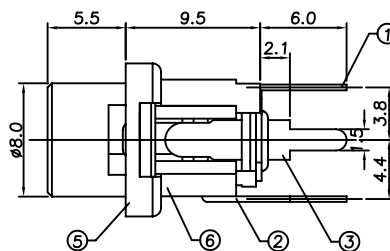
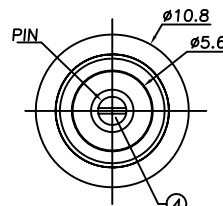
T:1.6 Dimensions of PC board holes
Tolerance : ±0.1(Printed-top view)

DCJ-DPB-xx



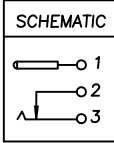
CAT. NO.	PIN	SCHEMATIC
DCJ-DPB-20	Ø2.0	1
DCJ-DPB-25	Ø2.5	3 2

UNLESS OTHERWISE SPECIFIED, TOLERANCE ON DECIMAL:±0.3



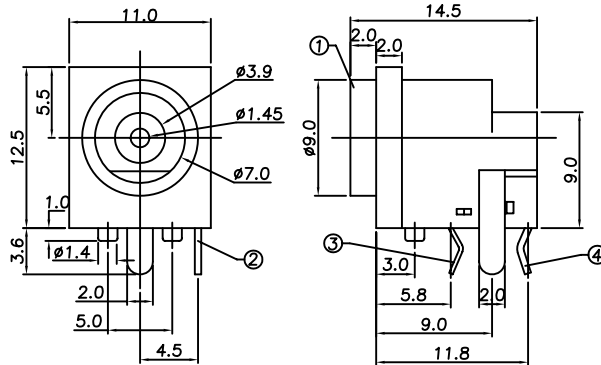
T:1.6 Dimensions of PC board holes
Tolerance : ±0.1(Printed-top view)

DCP-R30-145



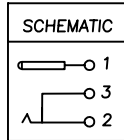
UNLESS OTHERWISE SPECIFIED,
TOLERANCE ON DECIMAL:±0.3

4	CONTACT FOOT	1	BRONZE	MB:Cu Ag PLATED
3	SPRING	1	BRONZE	MB:Cu Ag PLATED
2	CURVE PIECE	1	BRASS	MB:Cu Ag PLATED
1	HOUSING	1	PBT	
LTR	PART NAME	QTY	MATERIAL	REMARK



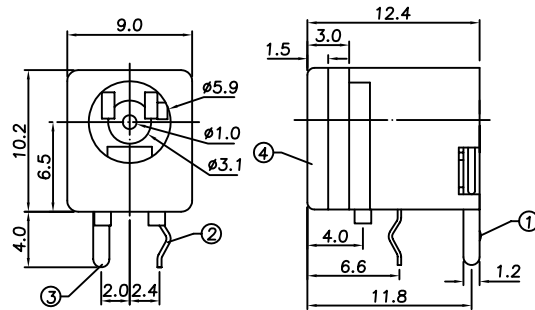
T:1.6 Dimensions of PC board holes
Tolerance : ±0.1(Printed-top view)

DCP-R40-10



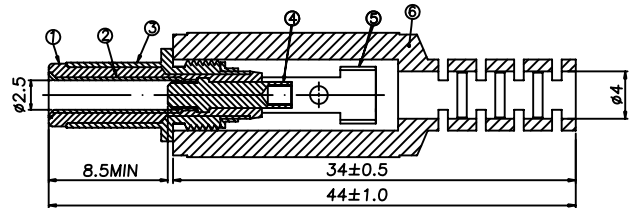
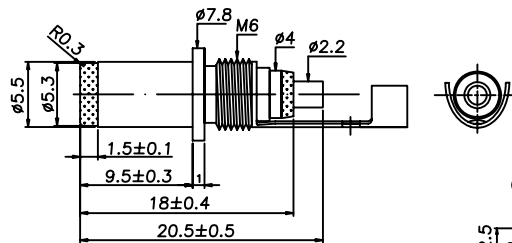
UNLESS OTHERWISE SPECIFIED,
TOLERANCE ON DECIMAL:±0.3

4	HOUSING	1	PBT/PA66/PC	
3	SPRING	1	BRONZE	MB:Cu Ag PLATED
2	CURVE PIECE	1	BRASS	MB:Cu Ag PLATED
1	FLAT PIECE	1	BRASS	MB:Cu Ag PLATED
LTR	PART NAME	QTY	MATERIAL	REMARK



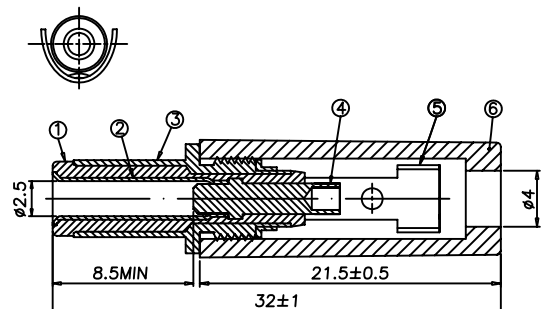
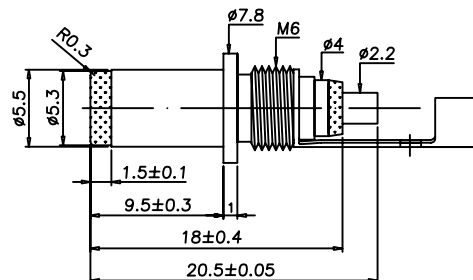
T:1.6 Dimensions of PC board holes
Tolerance : ±0.1(Printed-top view)

DCP-A-5525



6	PVC BLACK
5	BRASS NICKEL
4	BRASS NICKEL
3	BRASS NICKEL
2	BRASS NICKEL
1	POM BLACK
NO	CONTENT

DCP-A-5525SC9



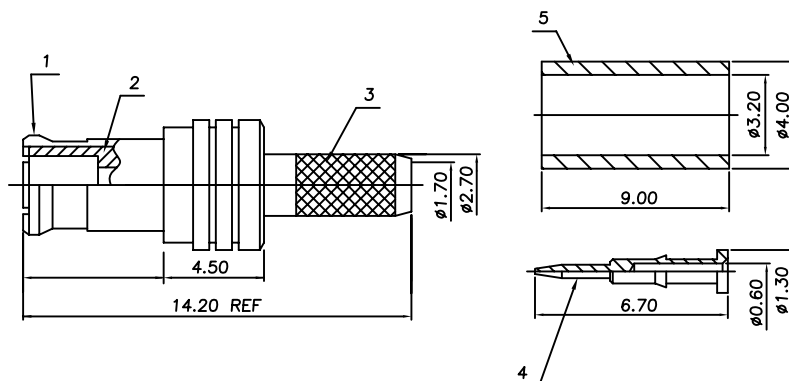
6	ABS BLACK
5	BRASS NICKEL
4	BRASS NICKEL
3	BRASS NICKEL
2	BRASS NICKEL
1	POM BLACK
NO	CONTENT

MCX Connector

MCX-PC-174



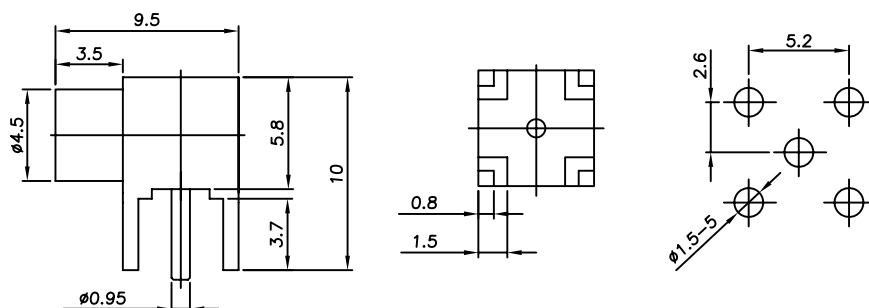
5	FERRULE	BRASS	GOLD	1
4	CONTACT MALE	BRASS	GOLD	1
3	BODY	BRASS	GOLD	1
2	INSULATOR	TEFLON		1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



MCX-JR-50



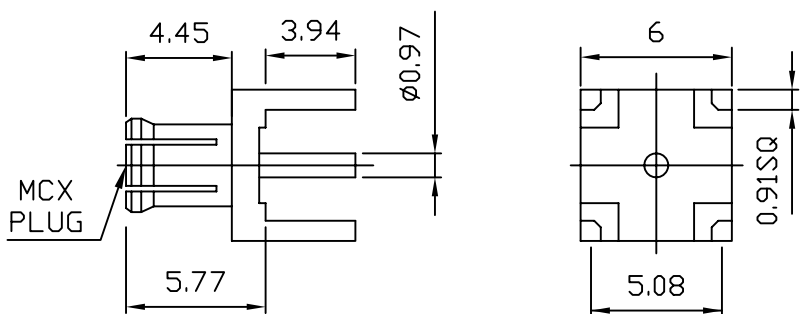
5	DIELECTRIC	TEFLON	NONE	1
4	DIELECTRIC	TEFLON	NONE	1
3	PIN	BRASS	GOLD	1
2	BODY	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



MCX-PD-50



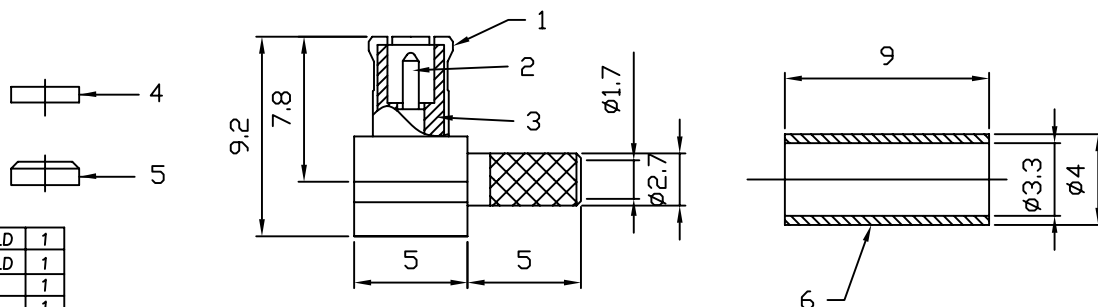
3	INSULATOR	TEFLON	NONE	1
2	CENTER CONTACT	BRASS	GOLD	1
1	BODY	BRASS	GOLD	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY



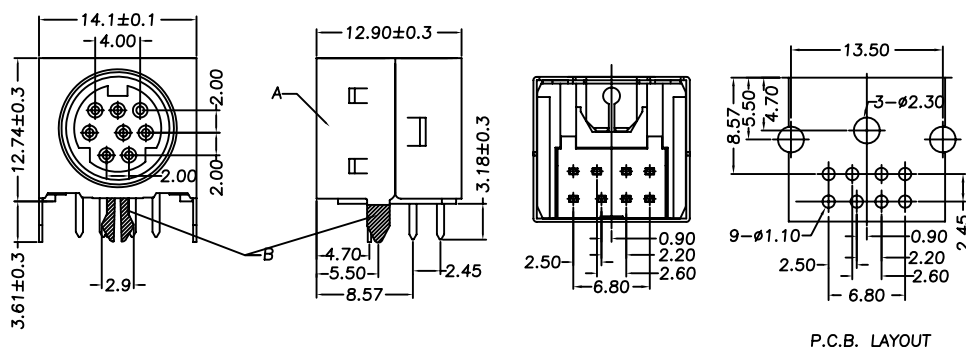
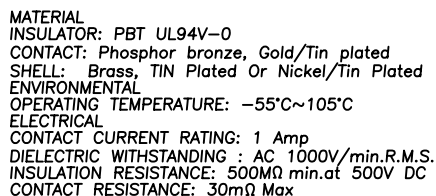
MCX-PCR-174



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

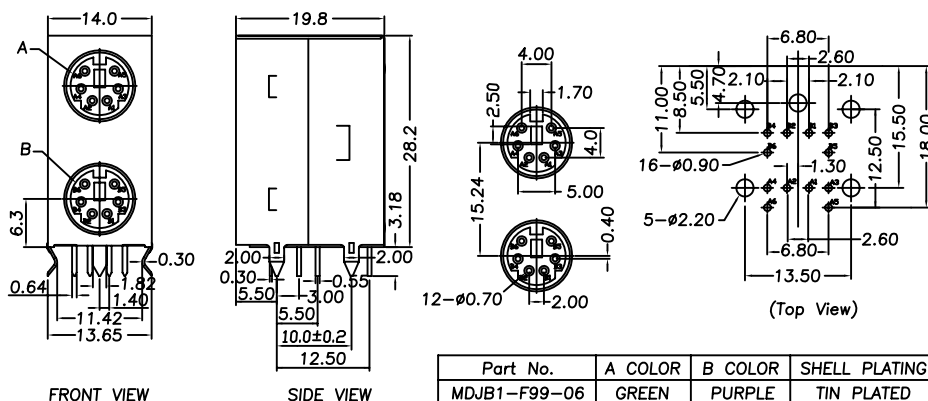
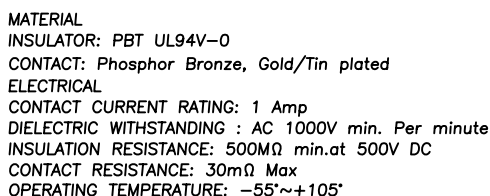


MDJ-F-08



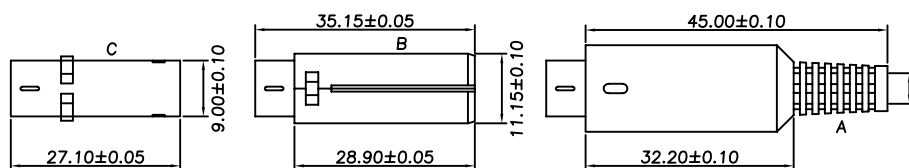
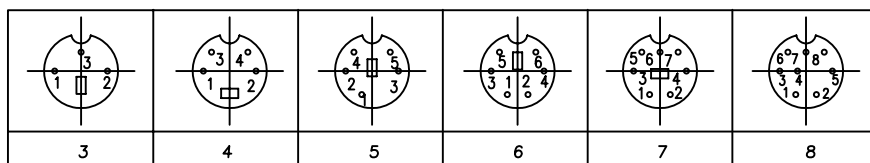
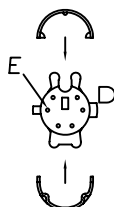
P.C.B. LAYOUT

MDJB1-F99-06



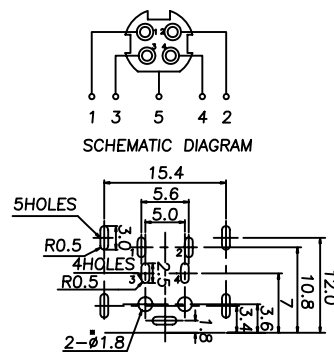
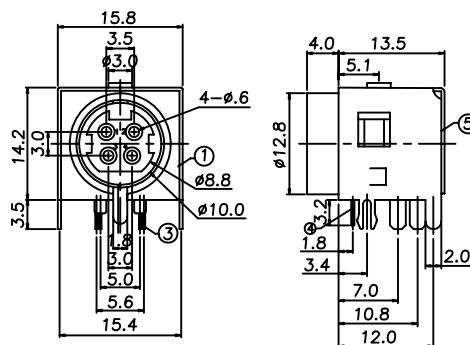
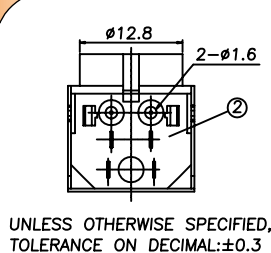
Part No.	A COLOR	B COLOR	SHELL PLATING
MDJB1-F99-06	GREEN	PURPLE	TIN PLATED

MDA-P-xx



MATERIAL:
A.COVER: PE+2L
B.SHELL: ABS
C.METAL SHIELD: BRASS NICKEL PLATED
D.HOUSING: NYLON66+GF
E.CONTACT: BRASS SILVER PLATED
SPECIFICATIONS:
1.RATING:11V AC 1A MAX OR 12V DC 2A MAX.
2.INSULATION RESISTANCE: 50M OHM MIN AT 500V DC.
3.DIELECTRIC STRENGTH: 500V AC / 1 MINUTE.

MDP-JRM-04



T:1.6 Dimensions of PC board holes
Tolerance : ± 0.1 (Printed-top view)

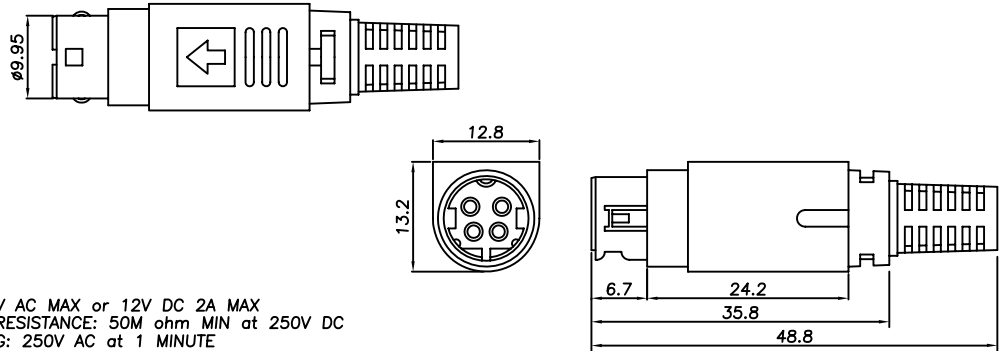
5	COAT	1	SPCC t=0.4	MB:Cu Cu/Sn PLATED
4	GROUD CONTACT	1	C2680 t=0.4	MB:Cu Cu/Sn PLATED
3	TERMINAL	4	C2680 t=0.3	MB:Cu Ag PLATED
2	COVER	1	PBT 4815	UL-94V0 (BLACK)
1	HOUSING	1	PBT 4815	UL-94V0 (BLACK)
LTR	PART NAME	QTY	MATERIAL	REMARK

MDP-PA-04

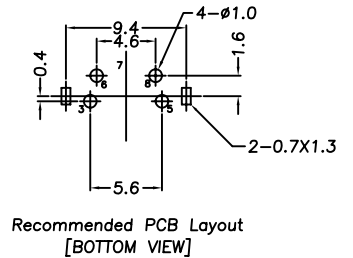
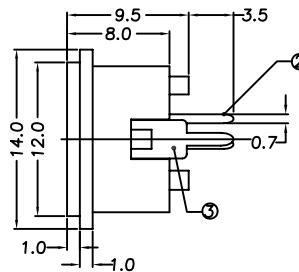
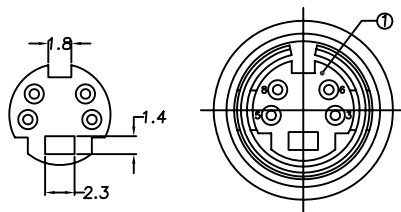


MATERIAL:
1. PLASTIC COVER: ABS
2. SHELL: BRASS
3. CAP: BRASS
4. CABLE FIXER: BRASS
5. HOUSING: PBT
6. PIN: BRASS
7. POM RING: POM
8. SPRING: STEEL
9. PLASTIC TUBE: ABS
10. SR: PVC

SAFETY:
1. RATING: 100V AC MAX or 12V DC 2A MAX
2. INSULATION RESISTANCE: 50M ohm MIN at 250V DC
3. WITHSTANDING: 250V AC at 1 MINUTE

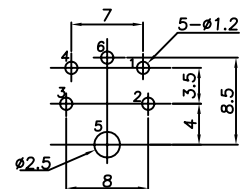
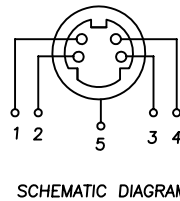
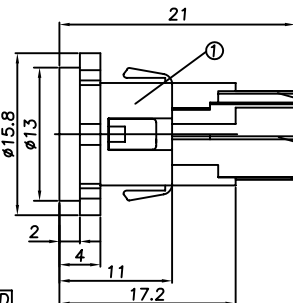
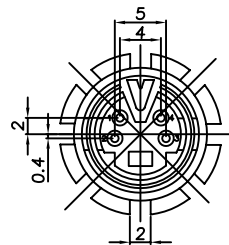


MDD-S-04



ITEM	NAME	MATERIAL	FINISH	Q'TY	NOTE
3	GROUND	BRASS	Ni	1	40T
2	CONTACT	PBS	Au+Tin	4	20T
1	HOUSING	PBT	15	1	UL94V-0

MDD-SPA-04



ITEM	NAME	QTY	MATERIAL	REMARK
4	EARTH TERMINAL	1	BRASS t=0.25	MB:Cu Cu/ Sn PLATED
3	TERMINAL	4	C5191 t=0.35	MB:Cu Ag PLATED
2	GROUND CONTACT	1	C2680 t=0.35	MB:Cu Cu/Sn PLATED
1	HOUSING	1	PBT 4815	UL-94V0(BLACK)

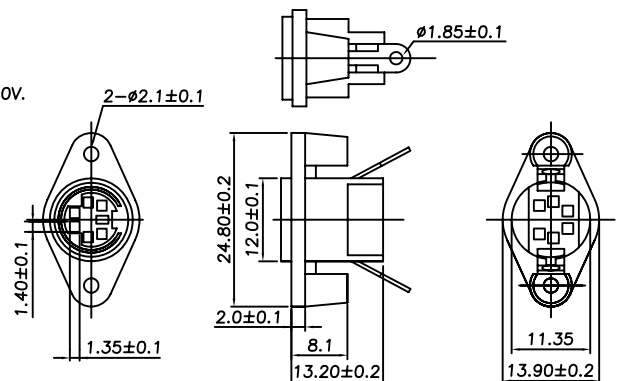
T:1.6 Dimensions of PC board holes
Tolerance : ± 0.1 (Printed-top view)

MDC-SPBE-xx



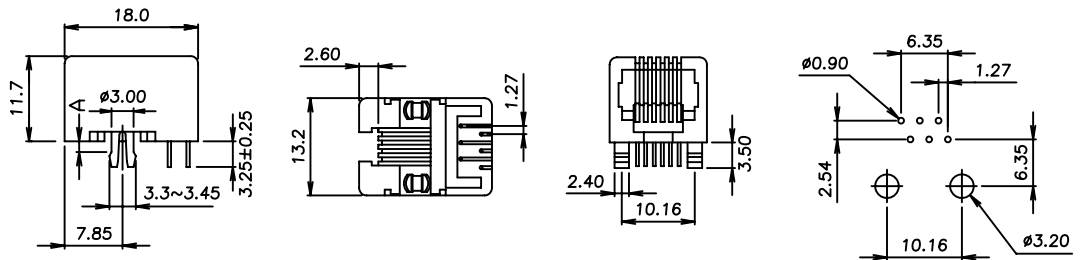
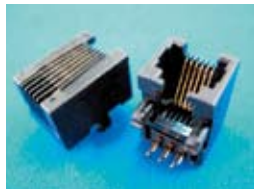
ELECTRICAL CHARACTERISTICS:
CONTACT CURRENT RATING: 1 AMPERES.
DIELECTRIC WITHSTANDING VOLTAGE: AC 500V R.M.S
INSULATION RESISTANCE: 500 MEGOHMS MINIMUM AT DC 500V.
CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM.
OPERATING TEMPERATURE: -55°C TO +105°C.
MATERIALS:
CONTACT: BRASS.
INSULATOR: P.B.T. UL 94-V0 RATED.
SHELL: BRASS.

CONTACT	3	4	5	6	7	8
PART NO.	MDC-SPBE-03	MDC-SPBE-04	MDC-SPBE-05	MDC-SPBE-06	MDC-SPBE-07	MDC-SPBE-08
POSITION						



Modular Jack Connector

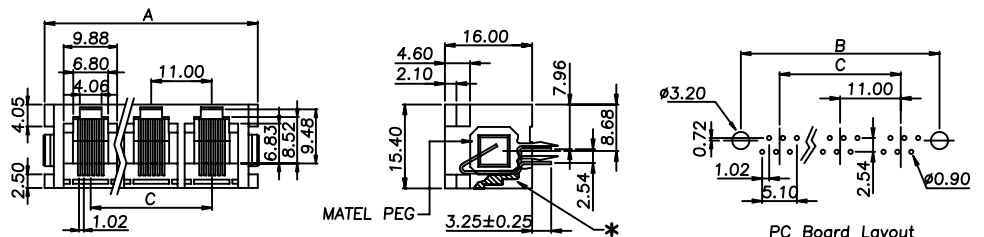
MJ11-KX06-0606



MATERIAL:
HOUSING—PBT POLYESTER UL94V-0
MIXED GLASS FIBER.
STANDARD COLOR—BLACK
CONTACTS—0.45mm DIAMETER PHOS—BRONZE
PLATED WITH HARD GOLD.
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS

PC Board Layout

MJD15Ax-GE06Z-0606

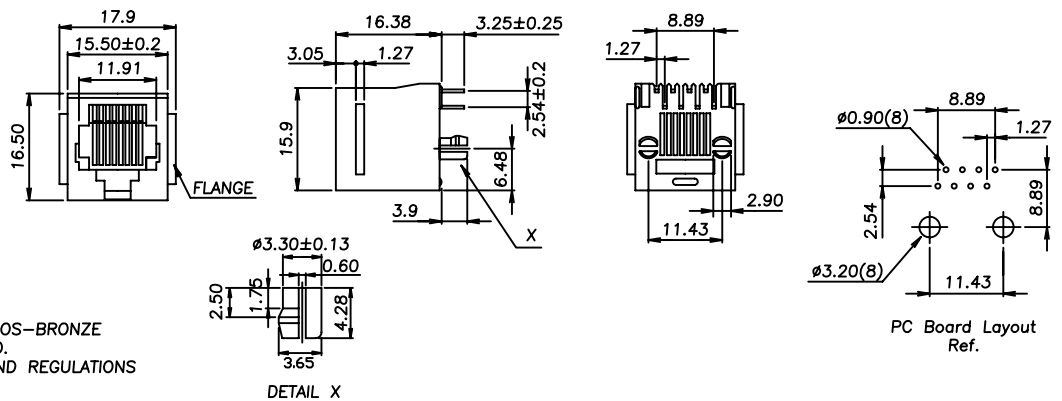


MATERIAL:
HOUSING—PBT POLYESTER UL94V-0
MIXED GLASS FIBER. STANDARD COLOR—GARY.
CONTACTS—0.45mm DIAMETER PHOS—BRONZE
PLATED WITH HARD GOLD.
MTEAL PEG—0.50mm THICK PHOS—BRONZE
PLATED WITH TIN/LEAD.
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
PART 68,SUBPART F.

DIMENSION	NO. OF JACK							
	1	2	3	4	5	6	7	8
A	17.00	28.00	39.00	50.00	61.00	72.00	83.00	94.00
B	13.8	24.8	35.8	46.8	57.8	68.8	79.8	90.8
C	0	11.00	22.00	33.00	44.00	55.00	66.00	77.00

PC Board Layout

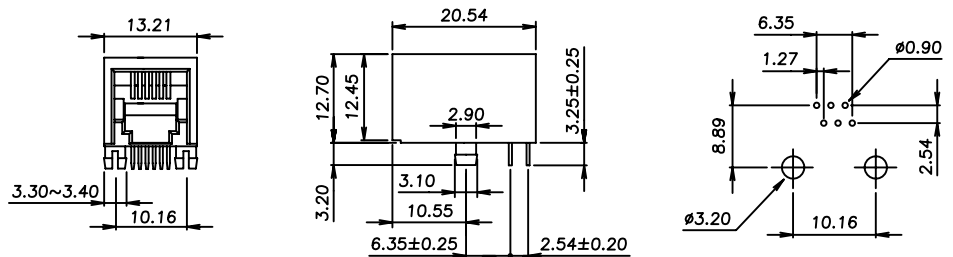
MJD16-KE06-0808



MATERIALS:
HOUSING—PBT POLYESTER UL94V-0
MIXED GLASS FIBER.
STANDARD COLOR—BLACK
CONTACTS—0.45mm DIA. ROUND PHOS—BRONZE
PLATED WITH HARD GOLD.
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS

PC Board Layout
Ref.

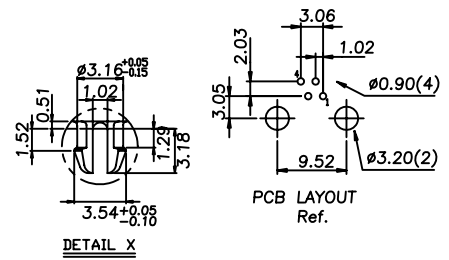
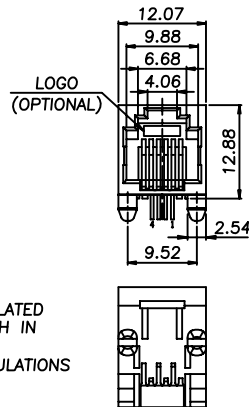
MJ12L-KX06-0606



MATERIALS:
· HOUSING—PBT POLYESTER UL94V-0
MIXED GLASS FIBER.
STANDARD COLOR—BLACK
· CONTACTS—0.45mm DIA. ROUND PHOS—BRONZE
PLATED WITH HARD GOLD.
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
PART 68,SUBPART F.

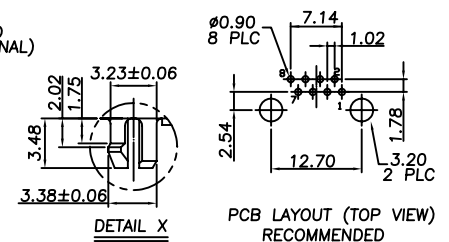
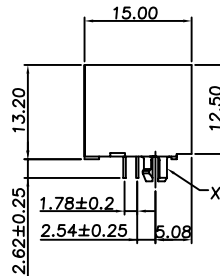
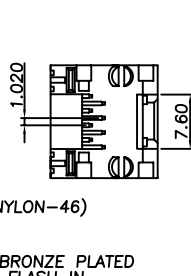
PC Board Layout

MJ12U-KX06-0604



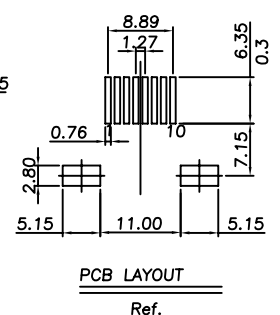
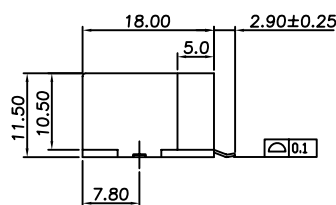
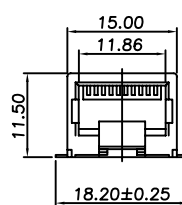
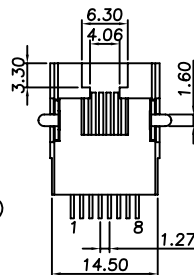
MATERIALS:
· HOUSING—DSM STANYL TE250F6 (NYLON-46)
HEAT DEFLECTION TEMP.290°
BLACK COLOR, UL94V-0
· CONTACTS—0.35mm THICK PHOS-BRONZE PLATED
WITH HARD GOLD AND GOLD FLASH IN
SOLDER AREA.
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
PART 68,SUBPART F.

MJ13U-KX06-0808



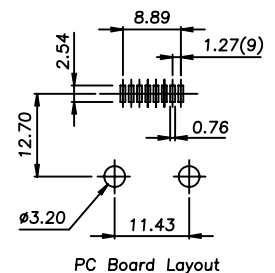
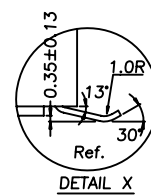
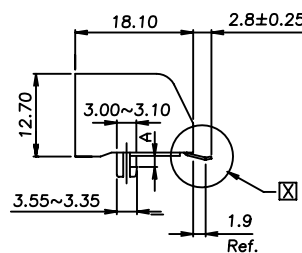
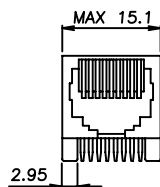
MATERIAL:
· HOUSING—DSM STANYL TE250F6 (NYLON-46)
HEAT DEFLECTION TEMP.290°
BLACK COLOR, UL94V-0
· CONTACTS—0.35mm THICK PHOS-BRONZE PLATED
WITH HARD GOLD AND GOLD FLASH IN
SOLDER AREA.
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
PART 68,SUBPART F.

MJW11-KX06-0808



MATERIAL:
HOUSING—DSM STANYL TE250F6 (NYLON-46)
BLACK COLOR, UL94V-0
CONTACTS—0.35mm THICK PHOS-BRONZE
PLATED WITH HARD GOLD AND
GOLD FLASH IN SOLDER AREA.
HOLD DOWN—0.30mm THICK COPPER ALLOY,
PLATED WITH TIN.
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
PART 68,SUBPART F.

MJW12J-KX06P-0808



MATERIAL: HOUSING NY-46 POLYESTER UL-94V-0
MIXED GLASS FIBER.
STANDARD COLOR—BLACK
CONTACTS—0.35mm THICK PHOS-BRONZE
PLATED WITH HARD GOLD AND
TIN/LEAD IN SOLDER AREA.
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
PART 68,SUBPART F.

PCB LAYOUT/TOP VIEW

Technical drawing of the connector housing (Fig. 1). The drawing shows a cross-section of the housing with the following dimensions and labels:

- Overall width: 18.8
- Distance between mounting holes: 1.34
- Terminal pitch: 1.27 ± 0.08
- Terminal length: 8.89 ± 0.08
- Label: HOLD DOWN (pointing to the top of the housing)
- Label: TERMINAL (pointing to the pins)

PCB LAYOUT

SECTION A-A

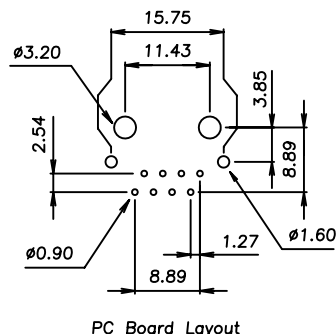
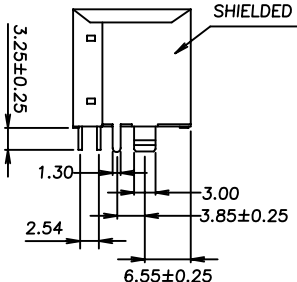
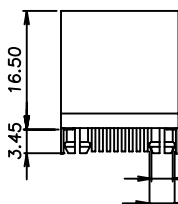
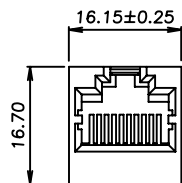
Technical drawing of a mechanical part with the following dimensions:

- Overall width: 16.60
- Top horizontal offset: 2.54
- Top vertical offset: 2.03
- Left vertical dimension: 19.18
- Right vertical dimension: 18.40
- Bottom vertical offset: 3.7 ± 0.5
- Bottom hole diameter: $\varnothing 2.57$

SHORTING BUSS

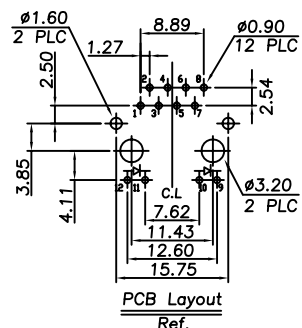
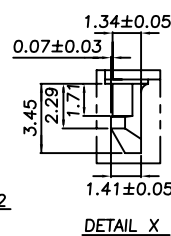
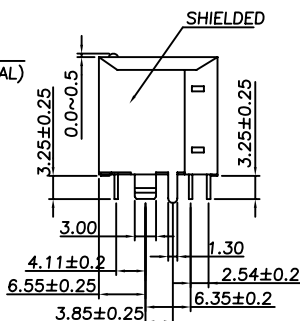
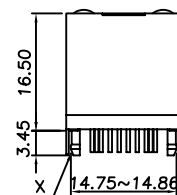
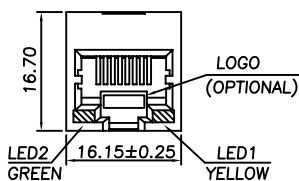
PC Board Layout
Ref.

MJDF16-KX06B38-0808



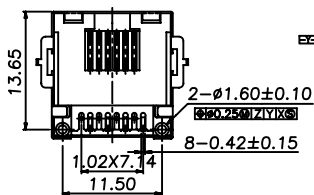
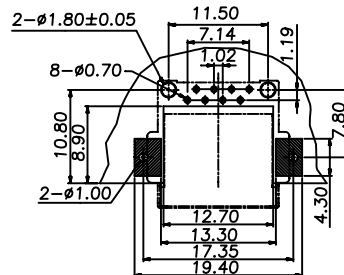
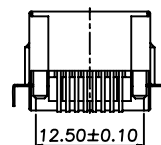
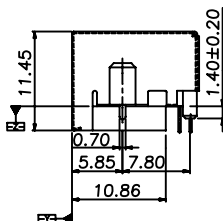
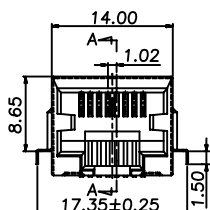
MATERIAL:
HOUSING—PBT POLYESTER UL-94V-0
MIXED GLASS FIBER.
STANDARD COLOR—BLACK
CONTACTS—0.35mm THICK PHOS-BRONZE
PLATED WITH HARD GOLD AND
TIN/LEAD IN SOLDER AREA.
SHIELD—0.25mm THICK COPPER ALLOY,
PLATED WITH TIN/LEAD.

MJDF16L-KX06B38GY-0808

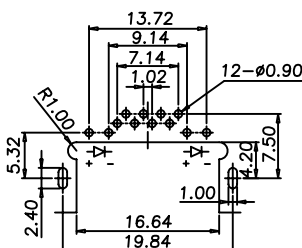
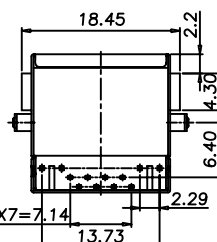
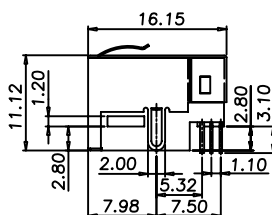
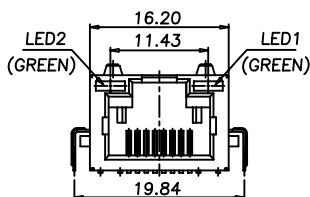


MATERIAL:
HOUSING—PBT POLYESTER UL94V-0
MIXED GLASS FIBER.
STANDARD COLOR—BLACK
CONTACTS—0.35mm THICK PHOS-BRONZE
PLATED WITH HARD GOLD AND
GOLD FLASH IN SOLDER AREA.
SHIELD—0.25mm THICK COPPER ALLOY,
PLATED WITH NICKEL.

MJF08-KX06-0808



MJF08UL-KT06GG-0808



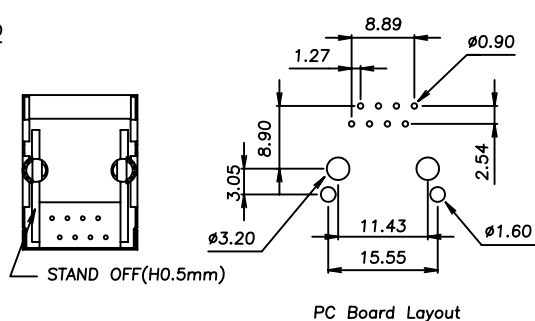
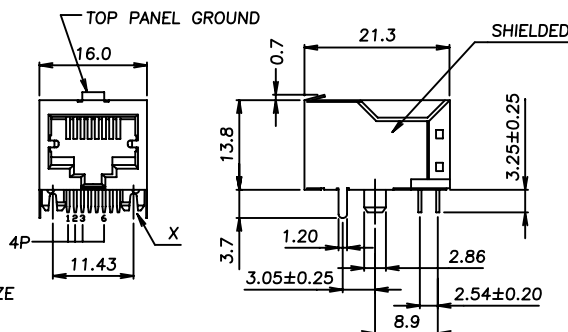
MATERIAL:
PLASTIC HOUSING:HIGH TEMP, THERMOPLASTIC
FLAMMABILITY RATING UL 94V-0
CONTACTS:PHOSPHOR BRONZE
PLATING:GOLD PLATING OVER NICKEL IN CONTACT.
TIN PLATING OVER NICKEL IN SOLDER AREA.
SHIELD:BRASS PLATING NICKEL ALLOY.

TYPICAL FOR SINGLE
COLOR LED
(RED, GREEN, YELLOW)

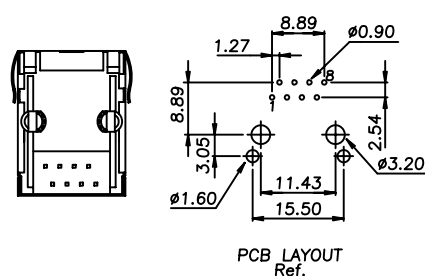
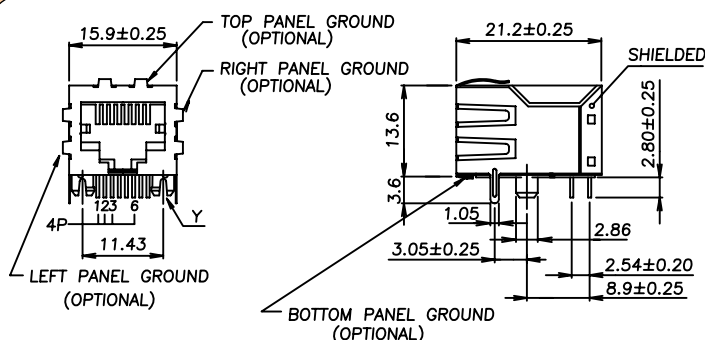
MJF13-KT06A3-0808



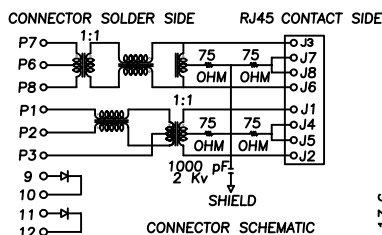
MATERIAL:
HOUSING: PBT POLYESTER UL94V-0
MIXED GLASS FIBER.
STANDARD COLOR-BLACK
CONTACTS: 0.45mm DIA. PHOS-BRONZE
PLATED WITH HARD GOLD.
SHIELD: 0.25mm THICK COPPER ALLOY,
PLATED WITH TIN/LEAD OR NICKEL.



MJF13-KF06A3-0808



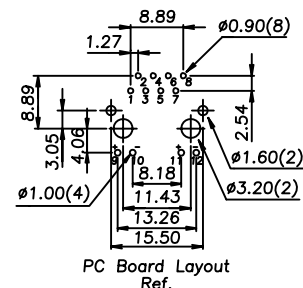
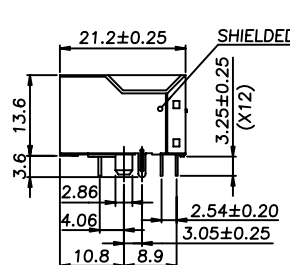
MJF13T36L-KX06B3GY-0808



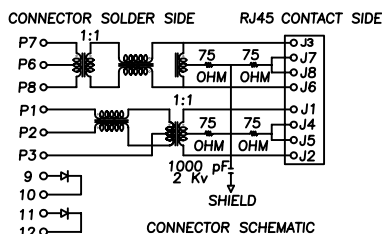
Specification :

Item	Parameter	Condition	Min.	Typ.	Max.	Unit	REMARK
1	Insertion loss	1-100 MHz			-1	dB	
2	Return loss	1-30 MHz	-16			dB	NOTE 1
		30-60 MHz	-10			dB	
3	OCL	100 KHz	350			mH	
4	Crosstalk	1-100 MHz	-35			dB	
5	Hipot	Vrms	1.5			kV	
6	Turns Ratio (Chip : Cable)	TX: 1 : 1 RX: 1 : 1				CT	
7	Direct Current resistance					Ω	

* NOTE 1: Greater than (16-20 Log (f/30MHZ)) dB.



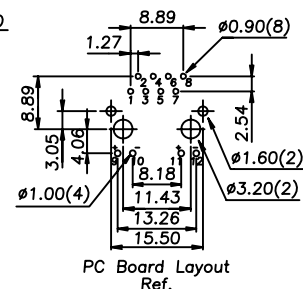
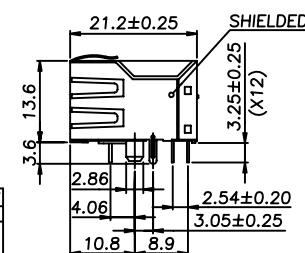
MJF13T36L-KF06B3GY-0808

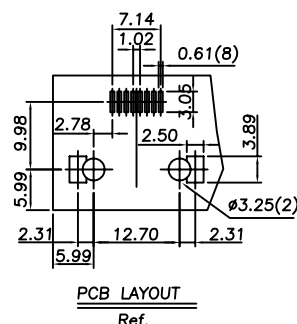
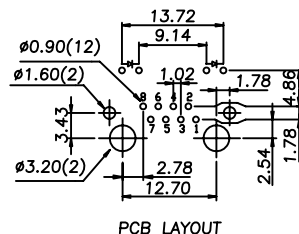


Specification :

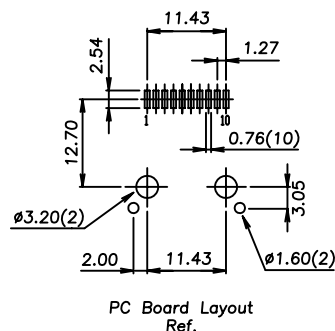
Item	Parameter	Condition	Min.	Typ.	Max.	Unit	REMARK
1	Insertion loss	1-100 MHz			-1	dB	
2	Return loss	1-30 MHz	-16			dB	NOTE 1
		30-60 MHz	-10			dB	
3	OCL	100 KHz	350			mH	
4	Crosstalk	1-100 MHz	-35			dB	
5	Hipot	Vrms	1.5			kV	
6	Turns Ratio (Chip : Cable)	TX: 1 : 1 RX: 1 : 1				CT	
7	Direct Current resistance					Ω	

* NOTE 1: Greater than (16-20 Log (f/30MHZ)) dB.

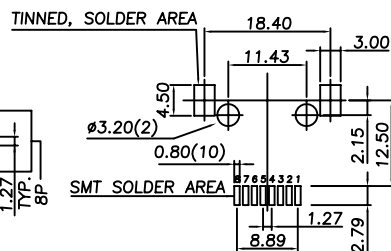




SHIELD:
0.25mm THICK COPPER ALLOY,
PLATED WITH NICKEL.

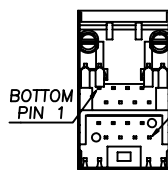
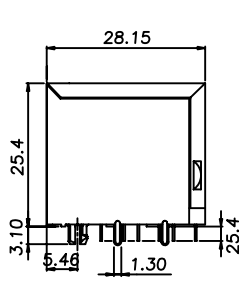
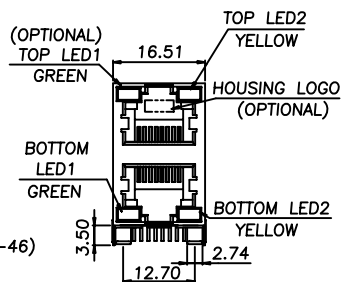


DETAIL X

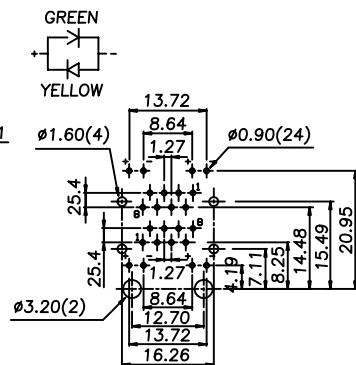


PCB LAYOUT

MJF25ULB1-KX06B7GY-0808



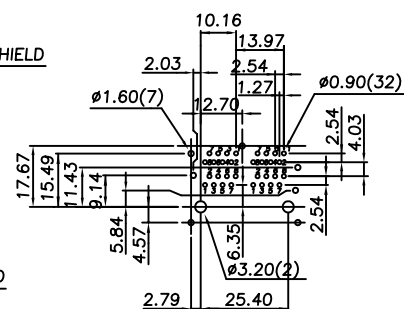
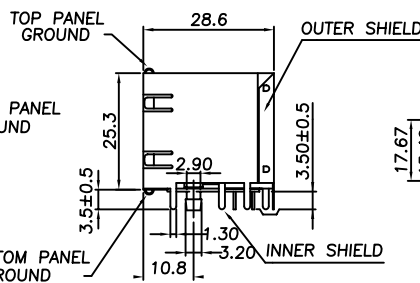
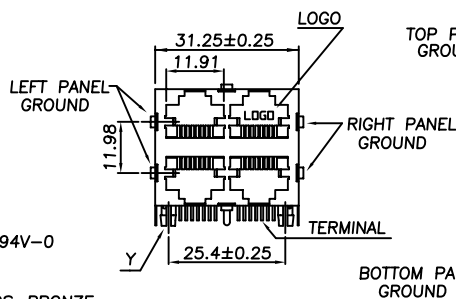
DETAIL X



PCB LAYOUT
Ref.

MATERIAL
HOUSING:
DSM STANYL TE250F6 (NYLON-46)
HEAT DEFLECTION TEMP.290°
BLACK COLOR, UL94V-0
CONTACTS:
0.35mm THICK PHOS-BRONZE PLATED
WITH HARD GOLD AND GOLD FLASH IN
SOLDER AREA.

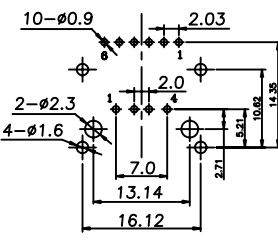
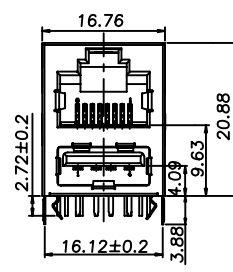
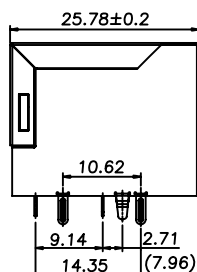
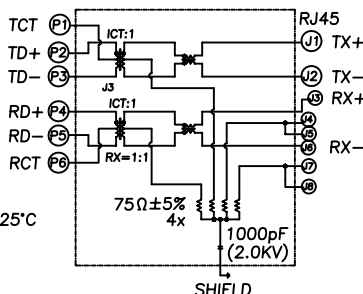
MJF25B2-KF06A4-0808



PCB LAYOUT

MATERIAL:
HOUSING:PBT POLYESTER UL-94V-0
MIXED GLASS FIBER.
STANDARD COLOR-BLACK
CONTACTS:0.35mm THICK PHOS-BRONZE
PLATED WITH HARD GOLD AND GOLD FLASH IN SOLDER AREA.
SHIELD:0.25mm THICK COPPER ALLOY, PLATED WITH NICKEL.

MUJT16U-KX06-86A1

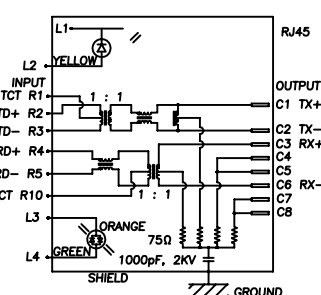
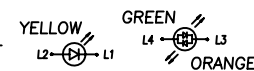
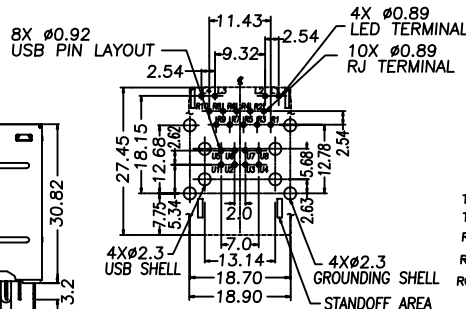
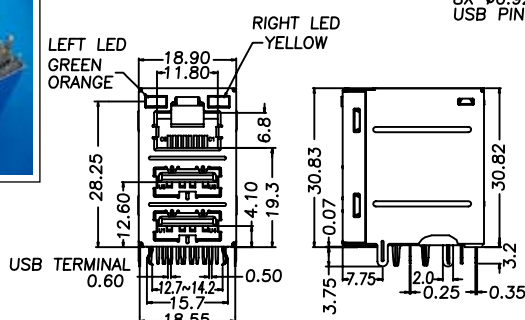


PCB LAYOUT/TOP VIEW

ELECTRICAL CHARACTERISTICS @ 25°C
TX LCT:1
RX LCT:1
OCL: @100KHz/100m VRMS
8mA DC BLAS 350uH MIN
INC. LOSS
1MHz TO 100MHz -1.0dB MAX
RET.LOSS(MIN)
1MHz-30MHz -18dB
30MHz-60MHz -18+200LOG(F/30MHz)dB
60MHz-80MHz 12dB
CROSS TALK (TX-RX)

50KHz-100MHz -35dB MIN
CM TO CM REJ
100KHz-100MHz -30dB MIN
CM TO DM REJ
100KHz-100MHz -40dB MIN
HIPOT (Isolation voltage:1500Vrms)

MUJT10UL-KX03GDYX-88AA



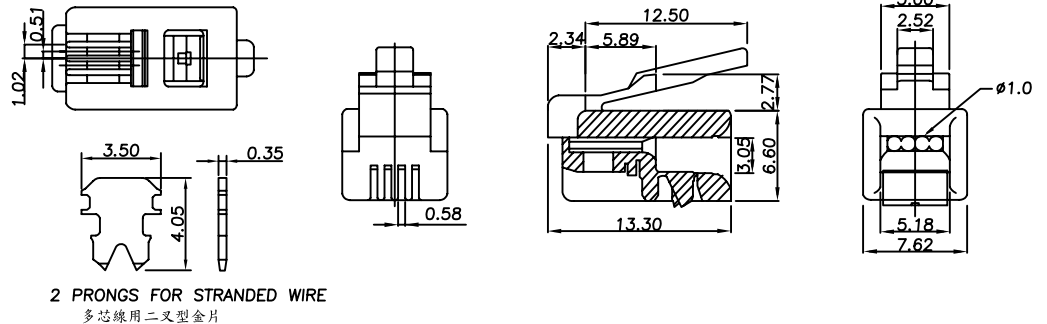
RECOMMENDED PCB LAYOUT(BP10C)
COMPONENT SIDE PCB THICKNESS:1.60mm
ALL DIMENSION TOLERANCE ARE ±0.05
UNLESS OTHERWISE SPECIFIED

Modular Plug Connector

MP-F-0404



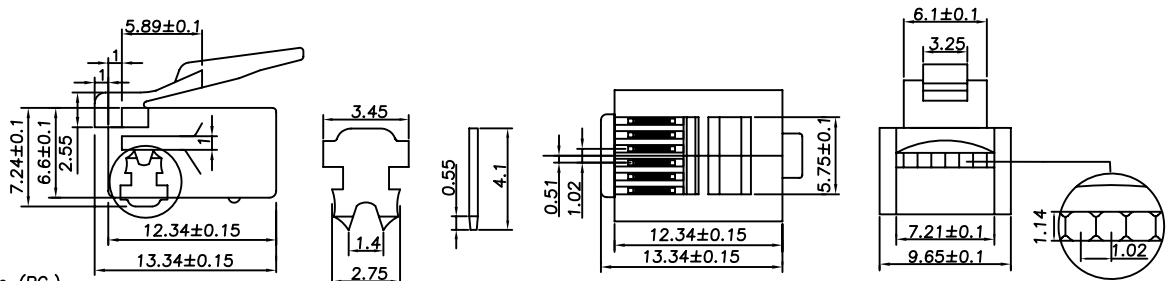
MECHANICAL:
Housing material: Polycarbonate (PC.)
94V-0 (For UL 1863 DUXR2)
94V-2 (For UL 498 ECBT2)
OPERATING TEMPERATURE: -40°C~125°C



MP-R-0606



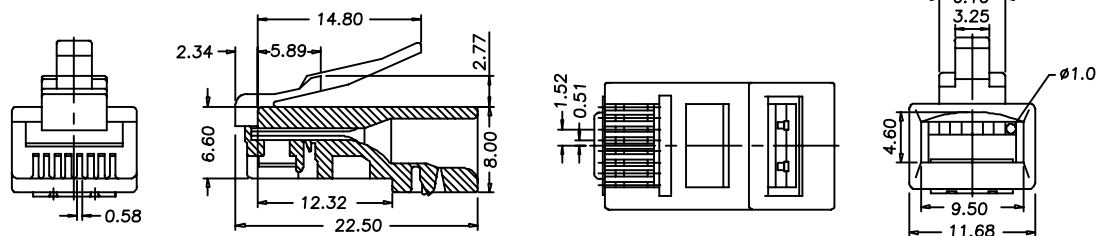
MECHANICAL:
Housing material: Polycarbonate (PC.)
94V-0 (For UL 1863 DUXR2)
94V-2 (For UL 498 ECBT2)
OPERATING TEMPERATURE: -40°C~125°C



MP-R-0808



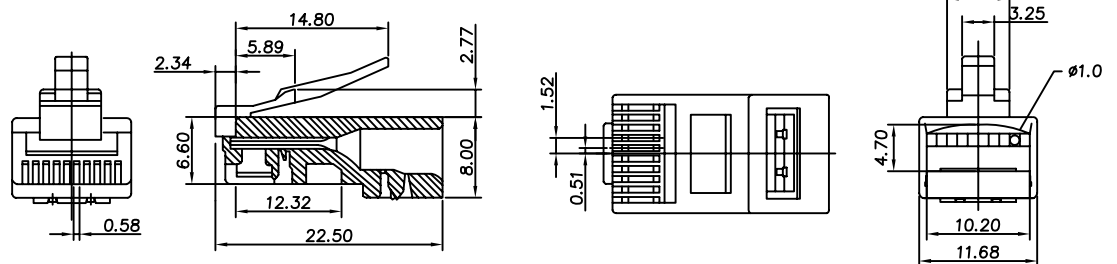
MECHANICAL:
Housing material: Polycarbonate (PC.)
94V-0 (For UL 1863 DUXR2)
94V-2 (For UL 498 ECBT2)
OPERATING TEMPERATURE: -40°C~125°C



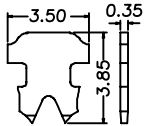
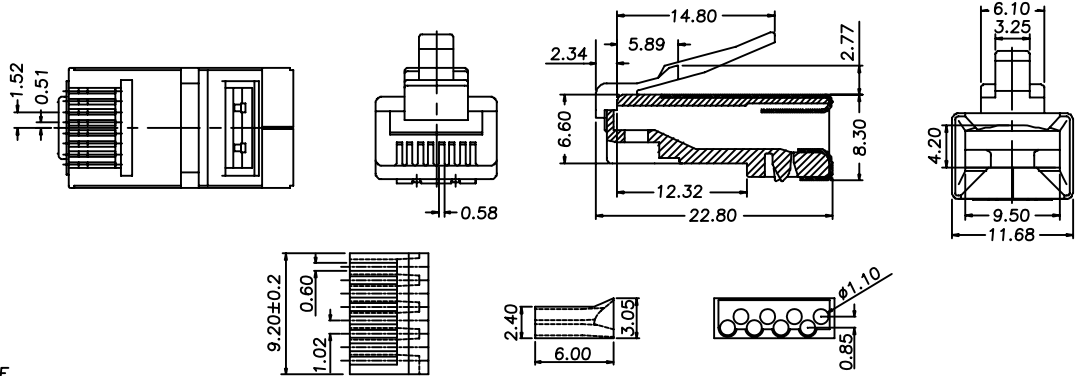
MP-R-1010



MECHANICAL:
Housing material: Polycarbonate (PC.)
94V-0 (For UL 1863 DUXR2)
94V-2 (For UL 498 ECBT2)
OPERATING TEMPERATURE: -40°C~125°C

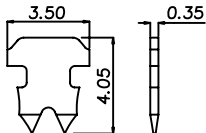
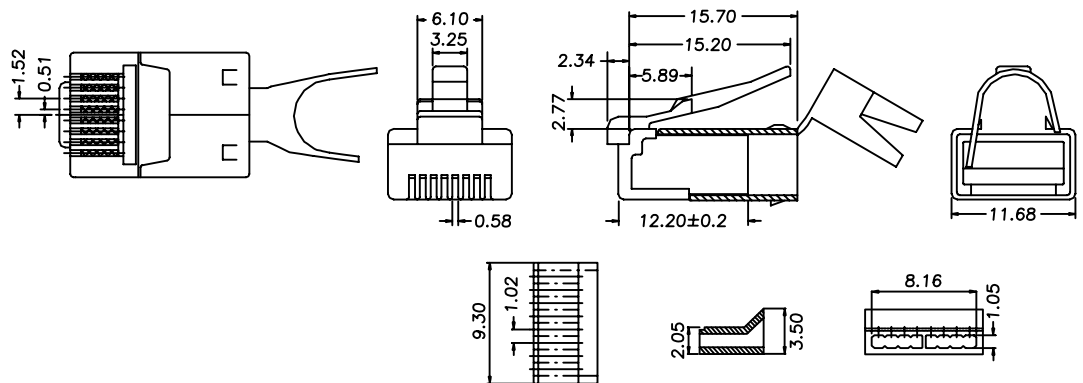


MP-RF6-0808



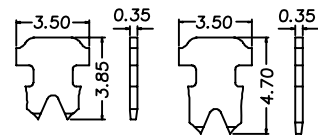
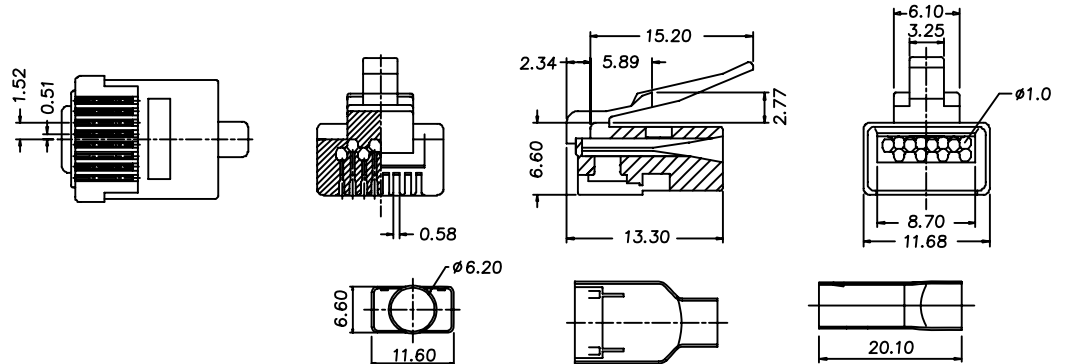
2 PRONGS FOR STRANDED WIRE
多芯線用二叉型金片

MP-RMS5-0808



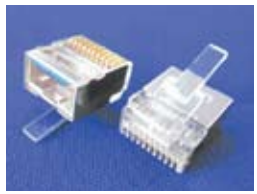
2 PRONGS FOR STRANDED WIRE
多芯線用二叉型金片

MP-RSM-0808

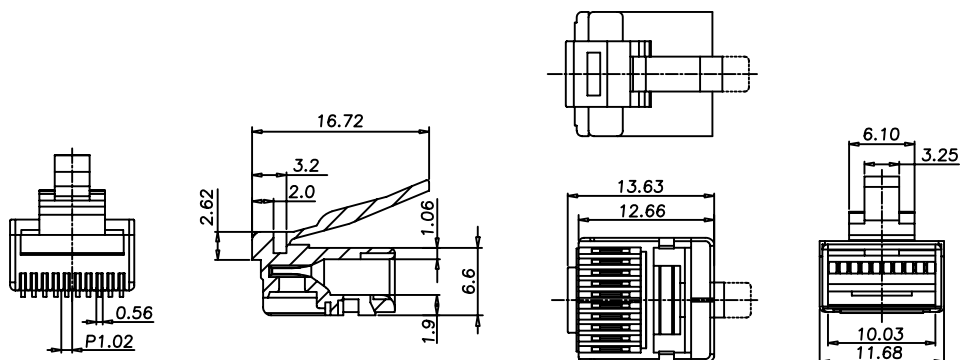


2 PRONGS FOR STRANDED WIRE
多芯線用二叉型金片

MP-FSF-1010

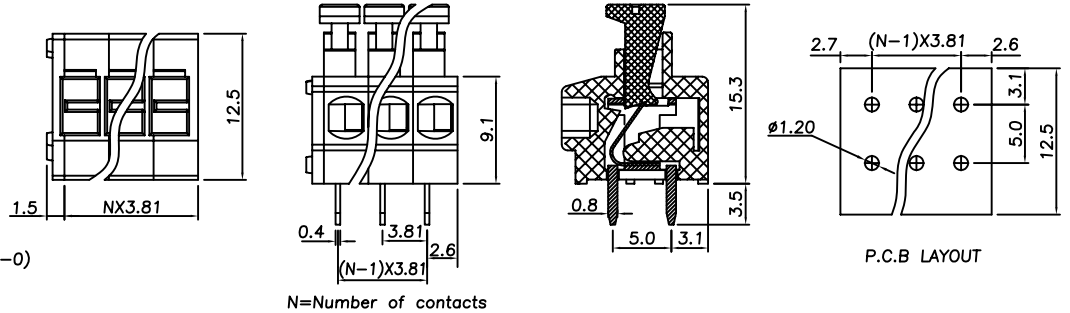


- SPECIFICATION**
- 1.Housing Material: Polycarbonate, UL 94V-2 No Poison
 - 2.Material Contact : Phosphor Bronze
 - 3.Housing Color : Transparence
 - 4.Operation Temperature: -40°C ~ 80°C
 - 5.Cable to Tensile Strength: 7.7Kgs.



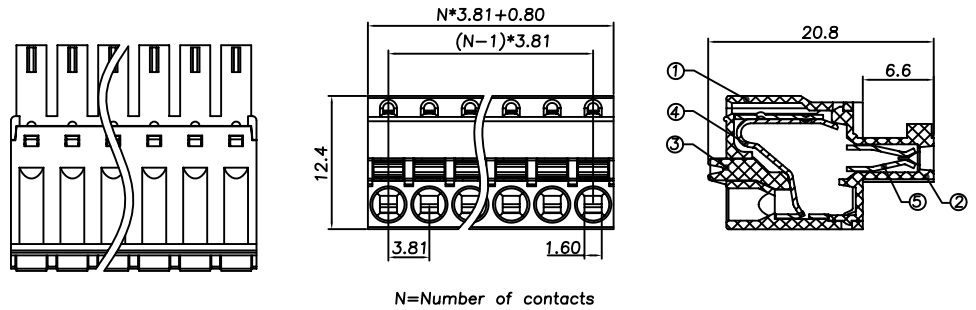
3.81mm Connector

TBX038-R15-xx



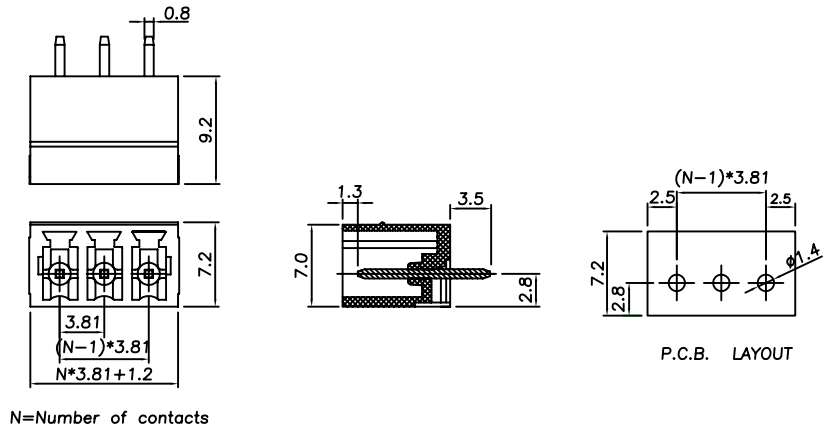
Material
Terminal body (Contact pin): Brass
Insulator (housing): Thermoplastic (UL94V-0)
Wire range:
Solid wire(AWG): 16-20
Stranded wire(AWG): 16-20

TBX038-SWC-xx



Material
Insulating body Thermoplastic (UL94V-0)
Contacts PIN PhBz (CuSn) Tin plated
Solid wire(AWG): 20-28
Stranded wire(AWG): 20-28

TBH038-PDC-xx

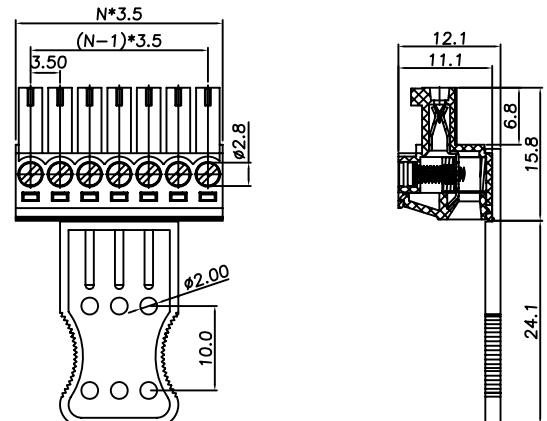


Material:
Solder Pin: Brass with Tin plated
Insulator body(housing): Polyamide(Glass filled)(UL94V-0)
Electrical
Voltage rating: 125VAC
Current rating: 8A
Insulation resistance: 500M Ω at DC 500V
Withstanding Voltage: AC 1200V(1min)
Mechanical:
Using temperature Range: -40°C to +105°C
Soldering temperature: +250°C, 5seconds Max.

TBH038-SWCH-xx



- Electrical**
- Voltage rating: 300VAC/125VAC/125VAC
 - Current rating: 10A/8A/10.5A
 - Wire range: 1.5mm²
 - Solid wire(AWG): 16-26/16-26
 - Stranded wire(AWG): 16-26/16-26
 - Torque: 3Lb-In/3.5kgf.cm/0.2Nm
 - Screw: M2
 - Wire strip length: 6-7mm
 - Withstanding Voltage: 1.6KV/1.6KV/2.5KV
 - Operating temperature: -30°C to +105°C



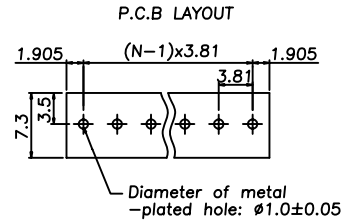
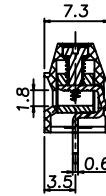
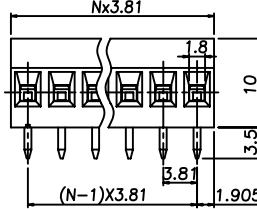
Material

- Terminal body (metal housing): Brass(CuZn)
- Terminal screw: Steel Zinc plating "-" slot type
- Wire guard: PhBz, Tin plated
- Insulator (housing): Thermoplastic (UL94V-0)

TBH038-D10-xx



Electrical
 Voltage rating: 300VAC
 Current rating: 10 Amps/way max
 Contact resistance: 20mΩ (max)
 Insulation resistance: 5000MΩ /1000V
 Withstanding Voltage: 1500VAC(1min)
 Test time=60sec/1pcs
 Wire range: 16-30AWG



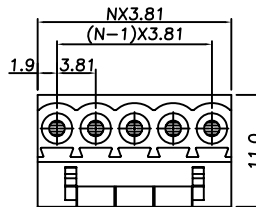
N=Number of contacts

Material:
 Contact(metal housing): Brass (CuZn)
 Insulator body(housing): Polyamide(Glass filled)(UL94V-0)
 Terminal screw:Steel galvanized and achromatized
 or Nickel plated or Tin plated(standard)(option)

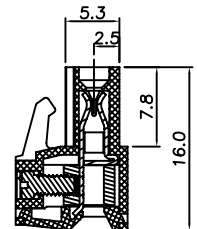
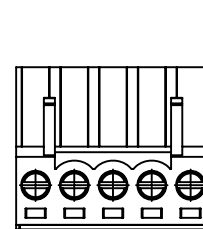
TBH038-SW-xx



Electrical
 Voltage rating: 300VAC
 Current rating: 8Amps/way max
 Contact resistance: 20mΩ (max)
 Insulation resistance: 5000MΩ /1000V
 Withstanding Voltage: 1500VAC(1min)
 Test time=60sec/1pcs
 Wire range: 16-28AWG
Mechanical:
 Torque: 2kgf.cm/M2
 Operating temperature: -30°C to +105°C



N=Number of contacts.

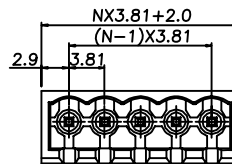
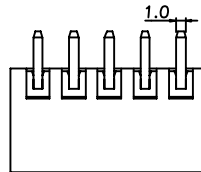


Technical Data:
Material:
 Contact(metal housing): Brass Machined(Option)
 Terminal screw: Steel Galvanized and chrometized
 Wire guard: PhBZ,Tin plated.
 Insulator body(housing): Polyamide(Glass filled)(UL94V-0)

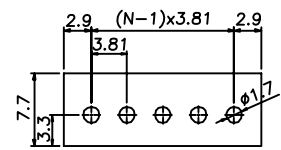
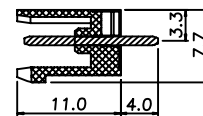
TBH038-PDB-xx



Electrical
 Voltage rating: 300VAC
 Current rating: 8 Amps/way max
 Contact resistance: 20mΩ (max)
 Insulation resistance: 500MΩ at DC 500V
 Withstanding Voltage: 1500VAC(1min)



N=Number of contacts.



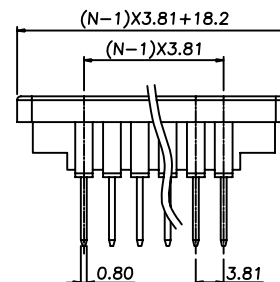
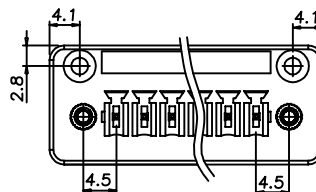
P.C.B LAYOUT

Technical Data:
Material:
 Solder pin: Brass with Tin plated
 Insulator body(housing): Polyamide(Glass filled)(UL94V-0)
Mechanical:
 Operating temperature: -30°C to +105°C
 Soldering temperature:+245°,5seconds Max.

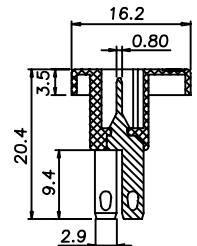
TBH038-PSCF-xx



Electrical
 Voltage rating: 300VAC
 Current rating: 10A



N=Number of contacts.



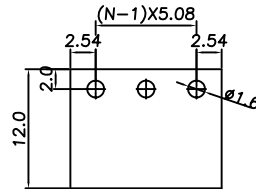
Technical Data:
Material:
 Solder pin: Brass with Tin plated
 Flange screw nut: brass M2.5
 Insulator body(housing): Polyamide(Glass filled)(UL94V-0)
Mechanical:
 Operating temperature: -30°C to +105°C
 Soldering temperature:245°C±10°C,5seconds Max.

TBH051-PR-xx

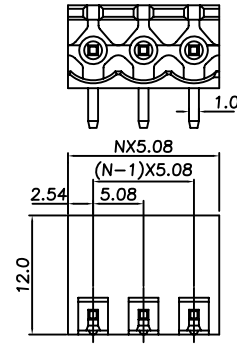


Technical Data:
Material:
Solder Pin: Brass with Tin plated
Insulator body(housing): Polyamide(Glass filled)(UL94V-0)

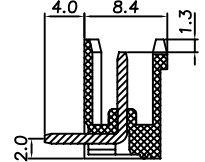
Electrical
Voltage rating: 250VAC
Current rating: 15A
Insulation resistance: 500MΩ at DC 500V
Withstanding Voltage: AC 1500V(1min)
Mechanical:
Using temperature Range: -40°C to +105°C
Soldering temperature: +250°, 5seconds Max.



PCB. LAYOUT



N=Number of contacts

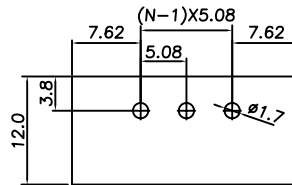


TBH051-PDBF-xx

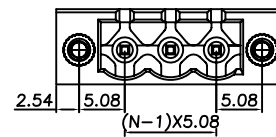


Technical Data:
Material:
Solder Pin: Brass with Tin plated
Flange Screw nut: Brass Nickel plated M2.5
Insulator body(housing): Polyamide(Glass filled)(UL94V-0)

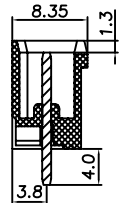
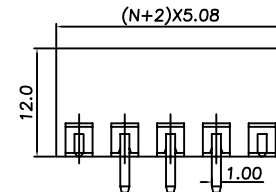
Electrical
Voltage rating: 250VAC
Current rating: 15A
Insulation resistance: 500MΩ at DC 500V
Withstanding Voltage: AC 1500V(1min)
Mechanical:
Using temperature Range: -40°C to +105°C
Soldering temperature: +250°, 5seconds Max.



PCB. LAYOUT



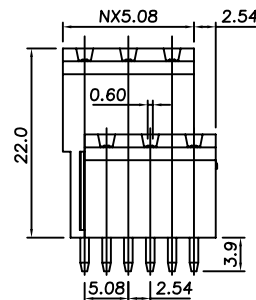
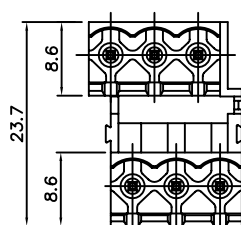
N=Number of contacts



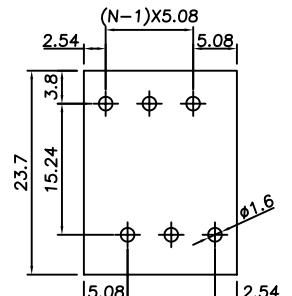
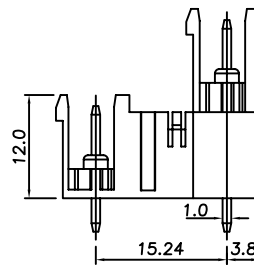
TBH051B1-PDR-xx



Electrical
Voltage rating: 300VAC
Current rating: 15A
Insulation resistance: 5000MΩ / 1000V
Withstanding Voltage: AC1500V(1min)
Mechanical:
Using temperature Range: -30°C to +105°C
Soldering temperature: +250°C/5seconds Max.
Material:
Solder Pin: Brass with Tin plated
Insulator body(housing): Polyamide(Glass filled)] (UL94V-0)

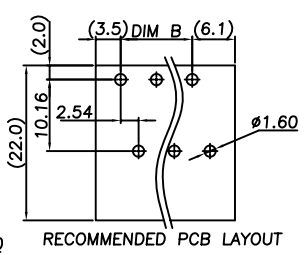
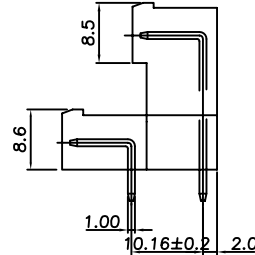
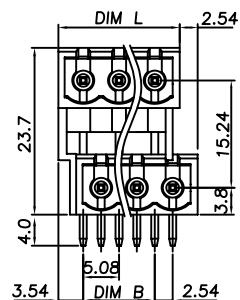
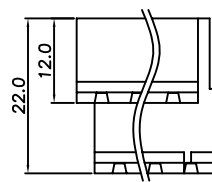


N= Number of contacts



P.C.B LAYOUT

TBH051B1-PRBR-xx



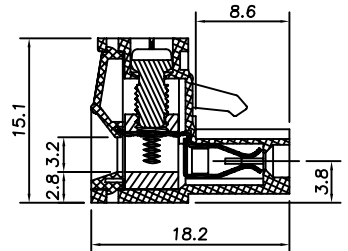
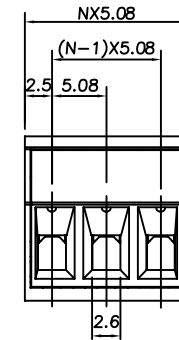
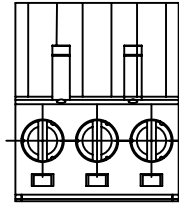
RECOMMENDED PCB LAYOUT

Poles	2*2p	2*3p	2*4p	2*5p	2*6p	2*7p	2*8p	2*9p	2*10p	2*11p	2*12p	2*13p
Dim L	12.16	17.24	22.32	27.40	32.48	37.56	42.64	47.72	52.80	57.88	62.96	68.04
Dim B	5.08	10.16	15.24	20.32	25.40	30.48	35.56	40.64	45.72	50.80	55.88	60.96
TOL	±0.15			±0.20			±0.25					
Poles	2*14p	2*15p	2*16p	2*17p	2*18p	2*19p	2*20p	2*21p	2*22p	2*23p	2*24p	
Dim L	73.12	78.20	83.28	88.36	93.44	98.52	103.60	108.68	113.76	118.84	123.92	
Dim B	66.04	71.12	76.20	81.28	86.36	91.44	96.52	101.60	106.68	111.76	116.84	
TOL	±0.25			±0.30			±0.35					

TBH051-SW-xx



Material:
Contact(metal housing): Brass Machined(Optional)
Insulator body(housing): Polyamide(Glass filled)(UL94V-0)



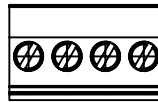
N=Number of contacts

Electrical
Voltage rating: 300VAC
Current rating: 10 Amps/way max
Contact resistance: 20mΩ (max)
Insulation resistance: 5000MΩ /1000V
Withstanding Voltage: 1500VAC(1min) Test time=60sec/1pcs
Wire range: 12-24AWG

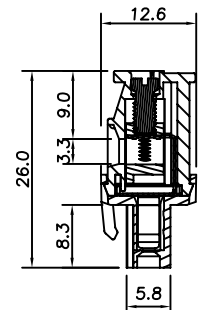
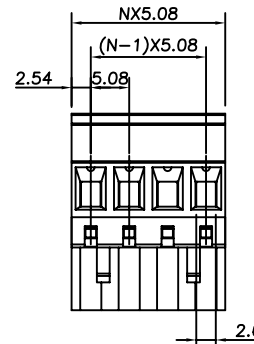
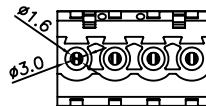
TBH051-SVA-xx



Material:
Contact(metal housing)
: Brass Machined(Optional)
Insulator body(housing)
: Polyamide(Glass filled)(UL94V-0)



N=Number of contacts

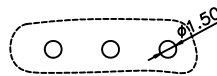
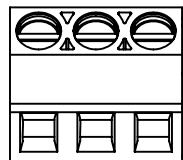


Electrical
Voltage rating: 300VAC
Current rating: 10 Amps/way max
Contact resistance: 20mΩ (max)
Insulation resistance: 5000MΩ /1000V
Withstanding Voltage: 1500VAC(1min) Test time=60sec/1pcs
Wire range: 12-24AWG

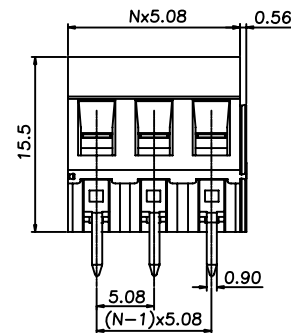
TBH051-A15-xx



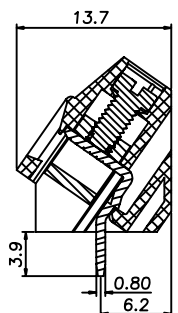
Material:
Contact(metal housing)
: Brass Machined(Optional)
Insulator body(housing)
: Polyamide(Glass filled)(UL94V-0)



P.C.B. LAYOUT



N=Number of contacts

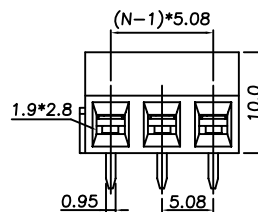
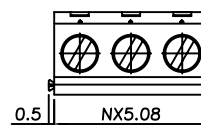


Electrical
Voltage rating: 300VAC
Current rating: 10 Amps/way max
Contact resistance: 20mΩ (max)
Insulation resistance: 5000MΩ /1000V
Withstanding Voltage: 1500VAC(1min) Test time=60sec/1pcs
Wire range: 12-24AWG

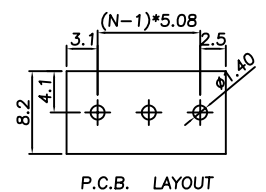
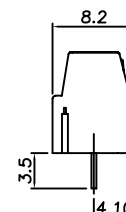
TBH051-D10-xx



Electrical
Voltage rating: 300VAC
Current rating: 10Amps/way max
Contact resistance: 20mΩ (max)
Insulation resistance: 5000MΩ /1000V
Withstanding Voltage: 1500VAC(1min) Test time=60sec/1pcs
Wire range: 14-26AWG



N=Number of contacts



P.C.B. LAYOUT

Technical Data:
Material:
Contact(metal housing): Steel Stamping Zinc Die
Casting or Brass Machined (Option)
Solder Pin: Brass with Tin plated
Insulator body(housing): Polyamide(Glass filled)(UL94V-0)

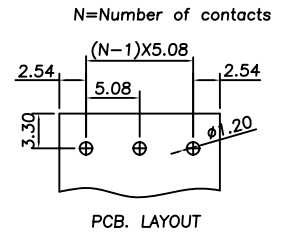
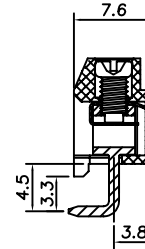
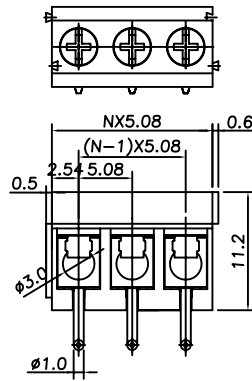
TBN051-RL-xx



Electrical
Voltage rating: 250VAC
Current rating: 16 Amps/way max
Contact resistance: 20mΩ (max)
Insulation resistance: 5000MΩ/1000V
Withstanding Voltage: 1500VAC(1min)
Test time=60sec/1pcs
Wire range: 14-22AWG

Technical Data:

Material:
Contact(metal housing): Brass (CuZn)
Terminal screw: Steel galvanized and chromitize
or Nickel plated or Tin pitted(standard)(option)
Wire guard: Stainless steel
Surface of solder tail: tin plated
Insulator body(housing): Polyamide(Glass filled)(UL94V-0)



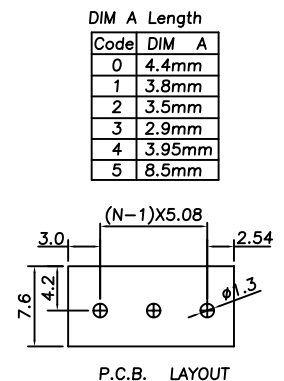
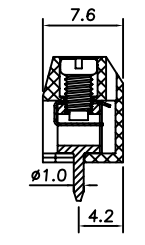
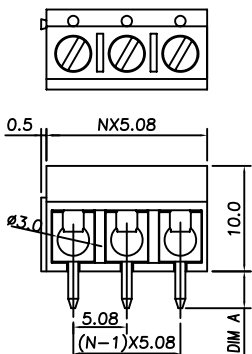
TBN051-D10-xx



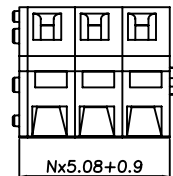
Electrical
Voltage rating: 250VAC
Current rating: 16 Amps/way max
Contact resistance: 20mΩ (max)
Insulation resistance: 5000MΩ/1000V
Withstanding Voltage: 1500VAC(1min)
Test time=60sec/1pcs
Wire range: 14-22AWG

Technical Data:

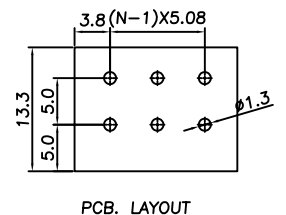
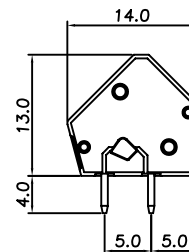
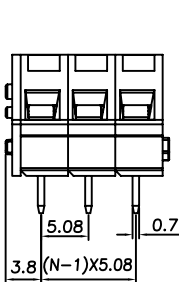
Material:
Contact(metal housing): Brass (CuZn)
Terminal screw: Steel galvanized and chromitize
or Nickel plated or Tin pitted(standard)(option)
Wire guard: Stainless steel
Surface of solder tail: tin plated
Insulator body(housing): Polyamide(Glass filled)(UL94V-0)



TBY051-A13-xx



Electrical
Voltage rating: 300VAC
Current rating: 16 Amps/way max
Contact resistance: 20mΩ (max)
Insulation resistance: 5000MΩ/1000V
Withstanding Voltage: 1500VAC(1min) Test time=60sec/1pcs
Wire range: 14-28AWG
Material:
Contact(metal housing): Brass
Insulator body(housing): Polyamide(Glass filled)(UL94V-0)



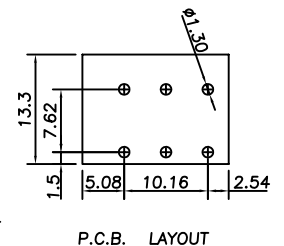
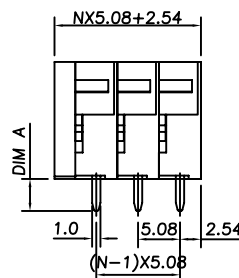
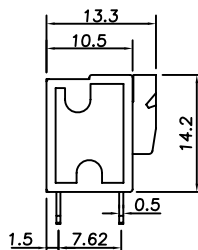
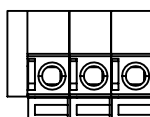
TBX051-D14-xx



Electrical
Voltage rating: 300VAC
Current rating: 10 Amps/way max
Contact resistance: 20mΩ (max)
Insulation resistance: 1000MΩ min.
Wire range: 14-24AWG

Technical Data:

Material:
Contact: Brass
Wire guard: stainless steel
Surface of solder tail: Tin plated
Insulator body(housing): PBT(Glass filled)(UL94V-0)
Insulator Level: Polyamide(Glass filled)(UL94V-0)



DIM A Length

Code	DIM A
0	3.9mm
1	3.5mm

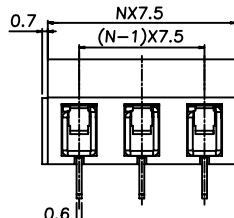
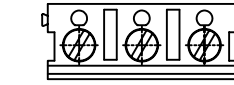
7.50mm Connector

TBN075-D12-xx

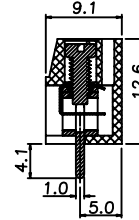


Electrical
 Voltage rating: 250VAC
 Current rating: 16Amps/way max
 Contact resistance: 20m (max)
 Insulation resistance: 5000M Ω /1000V
 Withstanding Voltage: 1500VAC(1min)
 Test time=60sec/1pcs
 Wire range: 14-22AWG
 Operating temperature: -33°C to +120°C

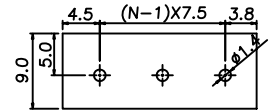
Material:
 Contact(metal housing): Brass
 Terminal screw: Steel Galvanized and chromated
 Wire guard: Stainless steel
 Insulator body(housing): Polyamide(Glass filled)(UL94V-0)



N=Number of contacts



P.C.B LAYOUT

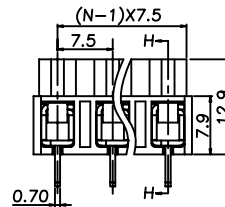
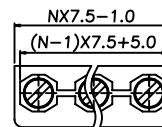


TBN075-D13-xx

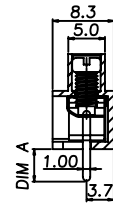


Electrical
 Voltage rating: 300VAC
 Current rating: 10Amps/way max
 Wire range: 12-20AWG
 Operating temperature: -30°C to +105°C

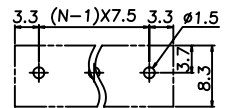
Material:
 Contact(metal housing): Brass, Tin plated
 Terminal screw: Steel Zinc plating"-slot type
 Insulator (housing): Thermoplastic(UL94V-0)



N=Number of contacts



SECTION H-H



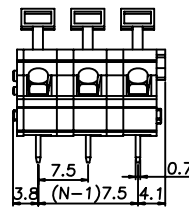
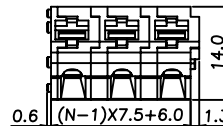
P.C.B LAYOUT

TBX075-A19-xx

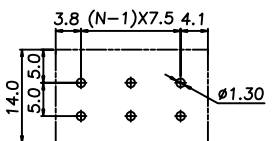
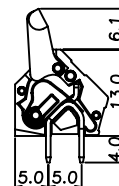


Electrical
 Voltage rating: 300VAC
 Current rating: 15Amps/way max
 Wire range: 12-28AWG
 Operating temperature: -30°C to +105°C

Material:
 Terminal body(Contact pin): Brass
 Surface of solder tail: Tin plated
 Wire guard: Stainless steel
 Insulator (housing): Thermoplastic(UL94V-0)



N=Number of contacts



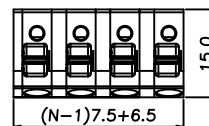
P.C.B LAYOUT

TBX075-R14-xx

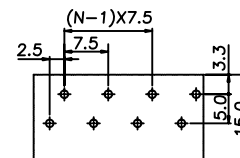


Electrical
 Voltage rating: 300VAC
 Current rating: 10Amps/way max
 Wire range: 12-20AWG
 Operating temperature: -33°C to +105°C

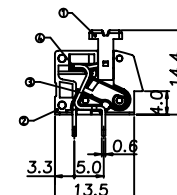
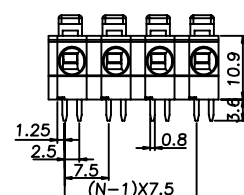
Material:
 Terminal body(Contact pin): Brass
 Surface of solder tail: Tin plated
 Wire guard: Stainless steel
 Insulator (housing): Thermoplastic(UL94V-0)
 Insulator (lever): Thermoplastic(UL94V-0)



N=Number of contacts



P.C.B LAYOUT



7.60mm Connector

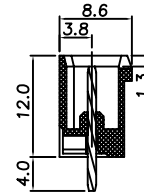
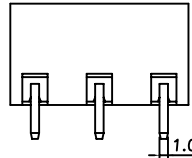
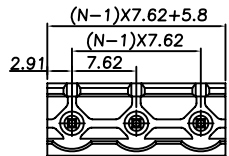
TBH076-PD-xx



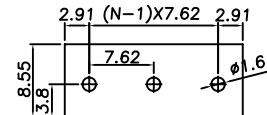
Technical Data:
Material:
Solder Pin: Brass with Tin plated
Insulator body(housing): Polyamide
(Glass filled)(UL94V-0)

Electrical
Voltage rating: 300VAC
Current rating: 10A
Insulation resistance: 500M Ω at DC 500V
Withstanding Voltage: AC 1500V(1min)

Mechanical:
Using temperature Range: -40°C to +105°C
Soldering temperature: +250°C, 5seconds Max.



N=Number of contacts
PCB. LAYOUT



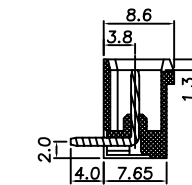
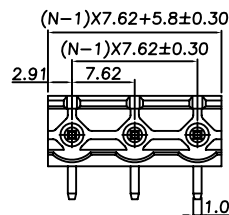
TBH076-PR-xx



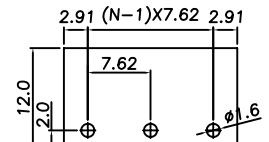
Technical Data:
Material:
Solder Pin: Brass with Tin plated
Insulator body(housing): Polyamide
(Glass filled)(UL94V-0)

Electrical
Voltage rating: 300VAC
Current rating: 10A
Insulation resistance: 500M Ω at DC 500V
Withstanding Voltage: AC 1500V(1min)

Mechanical:
Using temperature Range: -40°C to +105°C
Soldering temperature: +250°C, 5seconds Max.



N=Number of contacts
PCB. LAYOUT



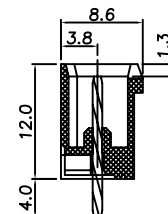
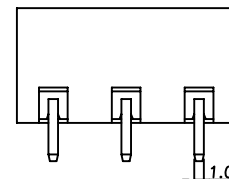
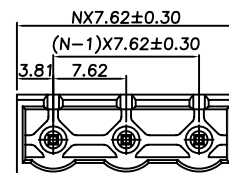
TBH076-PDB-xx



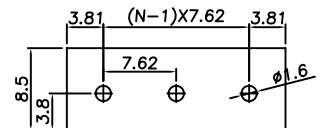
Technical Data:
Material:
Solder Pin: Brass with Tin plated
Insulator body(housing): Polyamide
(Glass filled)(UL94V-0)

Electrical
Voltage rating: 300VAC
Current rating: 10A
Insulation resistance: 500M Ω at DC 500V
Withstanding Voltage: AC 1500V(1min)

Mechanical:
Using temperature Range: -40°C to +105°C
Soldering temperature: +250°C, 5seconds Max.



N=Number of contacts
PCB. LAYOUT



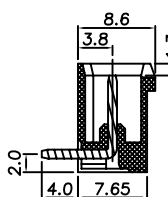
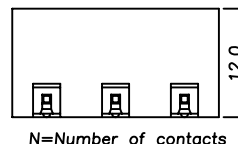
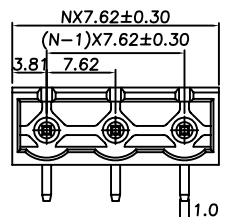
TBH076-PRB-xx



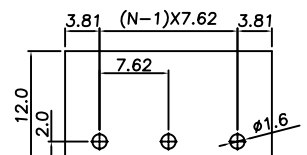
Technical Data:
Material:
Solder Pin: Brass with Tin plated
Insulator body(housing): Polyamide
(Glass filled)(UL94V-0)

Electrical
Voltage rating: 300VAC
Current rating: 10A
Insulation resistance: 500M Ω at DC 500V
Withstanding Voltage: AC 1500V(1min)

Mechanical:
Using temperature Range: -40°C to +105°C
Soldering temperature: +250°C, 5seconds Max.



PCB. LAYOUT



[illegible]

The technical drawing illustrates a multi-hole plate assembly with three views:

- Top View:** Shows a rectangular plate with overall width dimension A ($P \times 7.62$) + 0.45 and overall length dimension B (P-1) x 7.62. The plate contains six circular holes arranged in two rows of three.
- Side View:** Shows the profile of the plate with a total thickness of 2.5 units. Individual hole diameters are specified as $\phi 3.5$ and $\phi 2.3$. A central feature has a diameter of 1 unit. The bottom flange has a height of 2.5 units and a width of 3.8 units.
- Front View:** Shows the plate from the front with a total width of 13 units. It features a central slot with a width of 2.5 units and a depth of 7.62 units. The bottom flange has a height of 3 units.

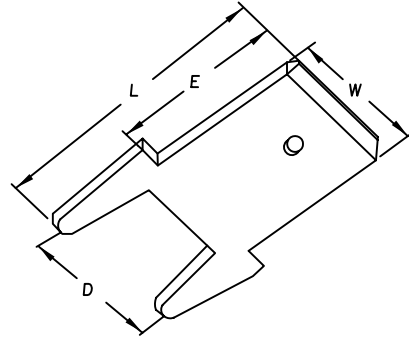
[illegible][illegible]

Flat 187 Connector

Q187-MD8-12



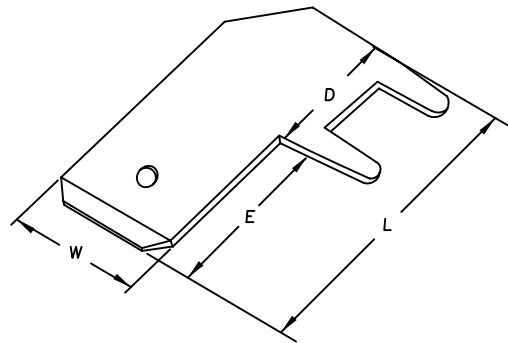
料號 PART NO.	材質 METAL	處理 TREATMENT	尺寸 Dimension(mm)					材料 厚度
			D	H	W	L	E	
Q187-MD8-12	-BS-	1/2	5.2		4.8	12.8	7.2	0.8



Q187-MR-8



料號 PART NO.	材質 METAL	處理 TREATMENT	尺寸 Dimension(mm)					材料 厚度
			D	H	W	L	E	
Q187-MR8-13	-BS-	1/2	6.3		4.8	13.5	7.3	0.8



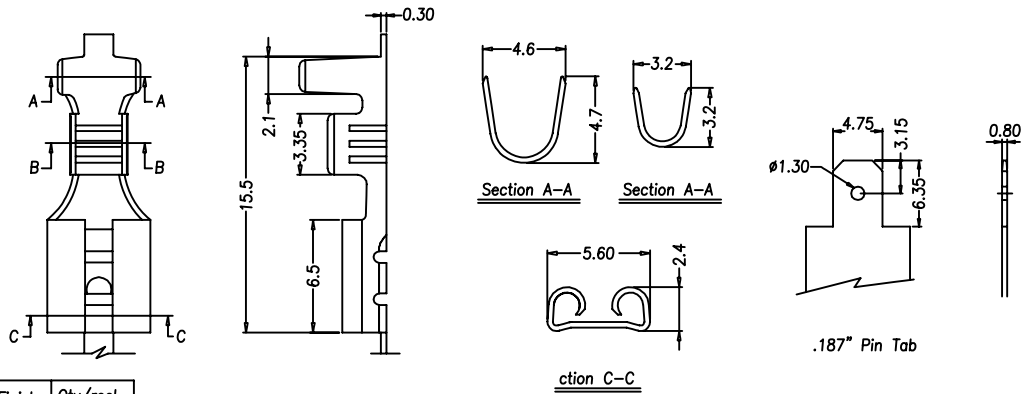
Q187-FT8-14



Features:
Mates with 4.75mm*0.8mm thick pin-tab
Quick method of multi-connections

Specifications & Ordering Information:

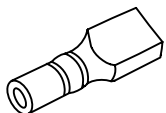
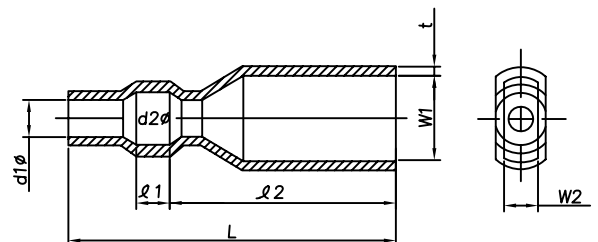
Part No.	Wire Range	Insulation o.d.	Material	Finish	Qty/reel
Q187-FT8-14	AWG#14-18	3.90mm(max)	Brass	Tin Plated	8,000 pcs



Q187-FV-xx



Packing unit: 1,000 pcs per bag								
Item No.	d1ø	d2ø	ø1	ø2±0.5	L±1.5	W1	W2	t±0.2
Q187-FV-20	2.0	2.8	2.8	14.0	22.0	5.8	2.6	1.0
Q187-FV-25	2.5	3.5	2.8	14.0	22.0	5.8	2.6	1.0
Q187-FV-30	3.0	3.8	2.8	14.0	22.0	5.8	2.6	1.0
Q187-FV-34	3.4	4.3	2.8	14.0	22.0	5.8	2.6	1.0
Q187-FV-40	4.0	4.9	2.8	14.0	22.0	5.8	2.6	1.0

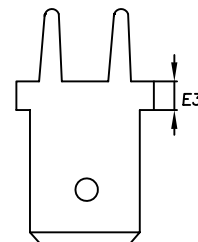
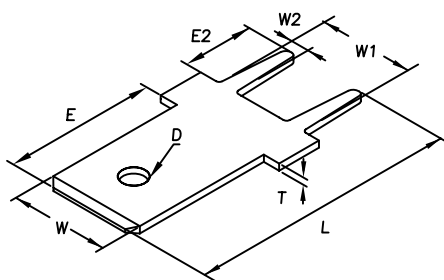


Flat 250 Connector

Q250-MD8-14



SPECIFICATION
(MATERIAL): BRASS
(STANDARD PACKING) :1000PCS



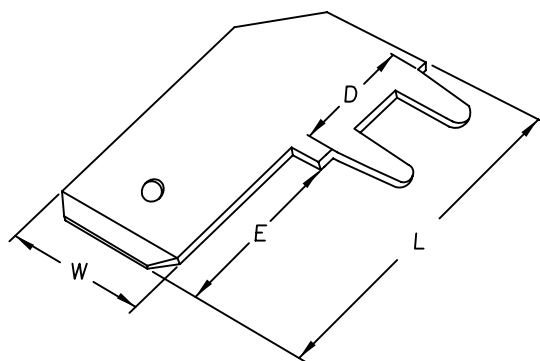
E3:2.20±0.20

T: 0.80±0.05	L: 14.00±0.30	W:6.40±0.30	W1:6.40±0.20
D: 2.0±0.30	E: 8.20±0.40	E2:3.90±0.20	W2:1.30±0.15

Q250-MR8-16



SPECIFICATION
(MATERIAL): BRASS
(STANDARD PACKING) :1000PCS

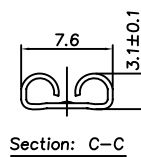
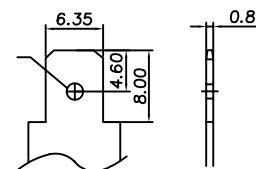
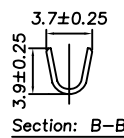
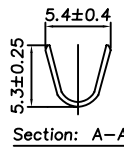
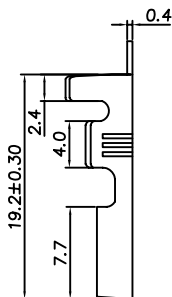
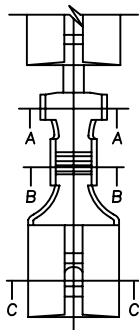


料號 PART NO.	材質 METAL	處理 TREATMENT	尺寸 Dimension(mm)					材料 厚度
			D	H	W	L	E	
Q250-MR8-16	-BS-	1/2	6.3		6.35	16	7.7	0.8

Q250-FT8-14

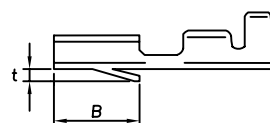
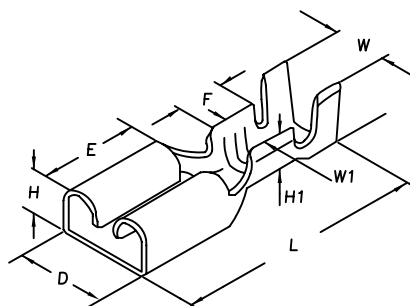


Features:
Mates with 6.35MM 0.8mm thick pin-tab
Quick method of multi-connections



Part No	Wire Range	Insulation O.D.	Finish	Qty/reel
Q250-FT8-14	AWG#14-18	3.90mm (max)	Tin-Plated	5,000 PCS

Q250-FBL-18

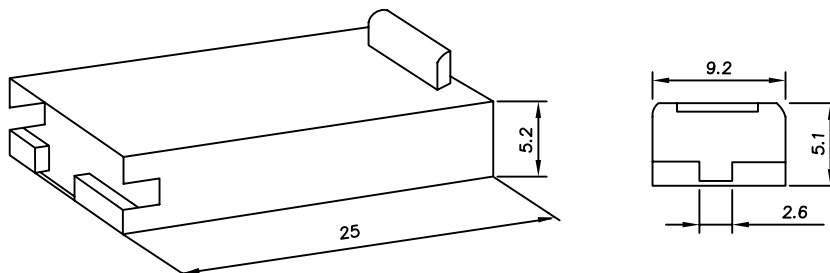


T	t	L	D	E	F	H	W	W1	H1	B	
0.3	1.1	19.2	7.5	7.5	4.0	2.85	4.4	2.5	2.8	7.2	
PART NO.	MATERIAL /FINISH		WIRE GAUGE AWG		THICKNESS 材料厚度		Q'TY 數量				
Q250-FBL-18	BRASS SH		18-22		0.35mm		5000				

Q250-FN-01



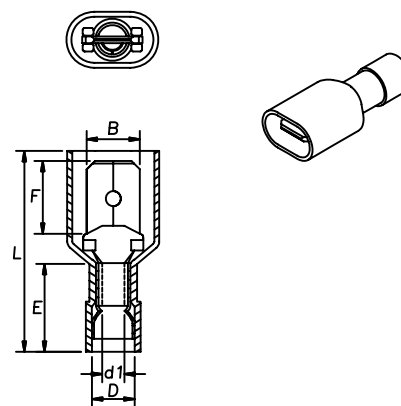
MATERIAL: NYLON-66 UL94V-2
PACKING: BAG/1000PCS



Q250-MT8NFC-xx



NOTE:
MAXIMUM ELECTRICAL RATING: 105°C 300 VOLTS
Q250-MT8NFC-16
1.WIRE RANGE:AWG 22-16/0.5-1.5mm²:10 AMPERE MAX.
2.INSULATED COLOR: RED
Q250-MT8NFC-14
1.WIRE RANGE:AWG 16-14/1.5-2.5mm²:15 AMPERE MAX.
2.INSULATED COLOR: BLUE
Q250-MT8NFC-10
1.WIRE RANGE:AWG 12-10/4-6mm²:24 AMPERE MAX.
2.INSULATED COLOR: YELLOW

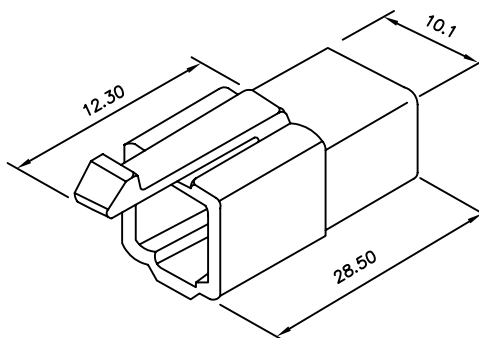


ITEM NO.	NEMA TAB	B ±0.20	F ±0.30	L ±0.10	E ±0.60	d1 ±0.20	D ±0.30
Q250-MT8NFC-16	0.8X6.4	6.4	7.9	23.5	10.5	1.7	4.2
Q250-MT8NFC-14	0.8X6.4			23.5	10.5	2.3	4.9
Q250-MT8NFC-10	0.8X6.4			27.0	13.0	3.4	6.5

Q250-MHL-02



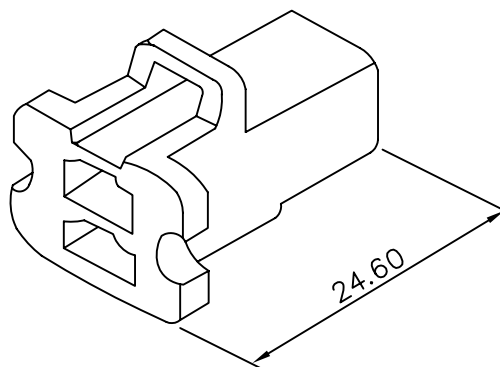
MATERIAL: NYLON 66
COLOR: NATURE
BLACK
Q'TY: IN BAG 200PCS



Q250-FHL-02



MATERIAL: NYLON 66
COLOR: NATURE
BLACK
Q'TY: IN BAG 200PCS



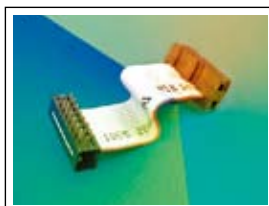
Flat Cable Assemblies



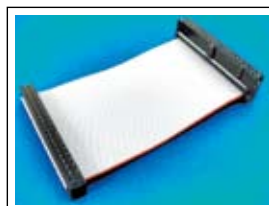
HAF2X2-4040-FN10C



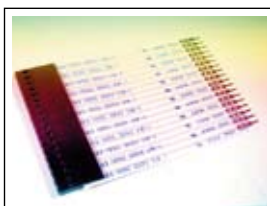
MF2X2-1010-F3N



F2IP01-1414-A2N5



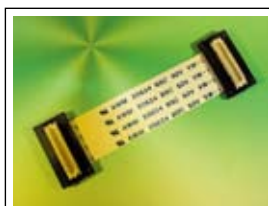
F3IP01-4040-A8C



PVFX2-1818-E6C5



PVFX2-1616-M3C



DF9X2-3131-F7C6



PVFX2-0408-FN18C



JC-16-127



SATAX2-0707-F18C



RJX2-0606BK-M50C



HF-28R5HF-xx

Round Cable Assemblies



HDMIX2-1919-M1M5



HDX2-1515BG-F60C



RJX2-0808RV-M30C



DBFH-2506-E3F



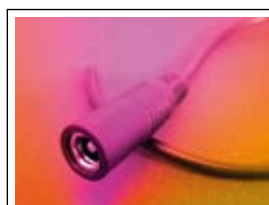
MBUB-5B4A-M1M5



DBUB-094A-A2M



UBX2-4A4B2VFC-M2M



DCX1-5521-F30C

RF Cable Assemblies



MDX2-0606-M3F



M12X1-0400-F6F



DBRJACFP-258802-F6F



MMCXX1-1R1X178-M7C



FMEMMCX-1S1R174-M16C



SMAX1-1S1X100-F20C



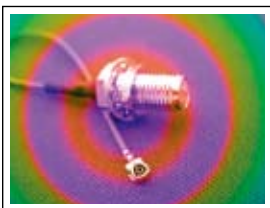
MMCXSMA-1R1S174-E7C



MCXMHF-1S1R132-A4C



MCXSMA-1R1S316-M14C



MHFSMA-1R1S113-E10C



MHFMUHF-1R1S113-E20C



MCXX1-1S1X174CM-M1M5

Wire Harnesses



XHX1-0300-F6C



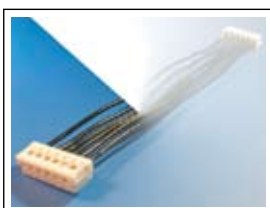
PVX2-0202-FN60C



MIFX1-B110022-F2M



SURX1-0200-F6N



CTX2-0606-F9C5



MKX1-0700-F54C



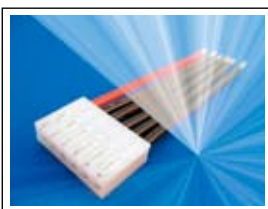
FNSH-0303-E9C



MJ623K-0604-100



MCGX2-040422-F8N



KKX1-0600-F7C



FIXPHMS-301403-E85C



FIXX2-3030LL-M6C4

Adaptor



DBX2-ES-0909



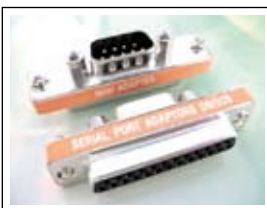
DBX2-ES-1515



HDX2-ES-1515



DBHD-ES-1515



DBX2-ES-0925



DBRJ-EA1-0988



DBRJ-FA1-2588



DVIHD-EMxx-1715



MBUB-EM2V-5B4A



UBX2-MMBG-4A4A



UBX2-FMBG-4A4A



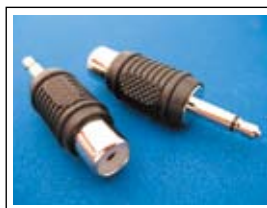
UBX2-EMBG-4A4B



RJX2-FS-0604



RJX2-ET-0808



PNRC-EM-0202



PNRC-ET-0302



Company Profile

[Company Profile](#)
[Factory Tour](#)
[R&D](#)
[Quality Control](#)
[Services and Support](#)
[OEM](#)

▶ Company overview

Company Profile

Founded in 1983, Morethanall designs and manufactures various types of connectors to meet 5C's market trend. Applied to computers, consumer electronics, communications, automobile and channel distributions, our products have gained a fine reputation and selling successfully over the world.

Wide product range

We offering comprehensive and diversified product range:

- Board to Board, pin headers, female headers, jumper, DIN 41612, LCM
- Board to Wire, wafers, housings, terminals, wire to wire
- Ribbon cable connectors, serial ATA connectors, IDC sockets, IDC plugs, IDC headers, box headers, latch headers, ejection headers, card edge connectors
- FPC/FFC sockets and cables, ZIF or non-ZIF
- IC card/memory card connectors, PCMCIA, Compact Flash, SD card, Memory Stick, XD card, smart card, SIM card, game cartridge, edge slots, AGP slots, PCI slots
- Socket type connectors, battery holders, DIMM sockets, SIMM sockets, SOJ sockets, PLCC sockets, IC sockets
- Rectangular I/O connectors, USB, mini USB, D-sub, high density, half pitch, SCA, SCSI, 1394, 1394a, 1394b, V.35, cellular phone connectors
- Circular I/O connectors, jacks and plugs, DC, phono, earphone, RCA, circular DIN, mini DIN, coaxial connectors
- Telecom I/O connectors, RJ11, RJ12, RJ45, modular jacks, modular plugs and telephone splices
- Terminals and Terminal blocks, barrier type, Euro PCB type, plug-in, IDC-clamp, screw-clamp, cage-clamp, spring-clamp, screwless, terminals and housings for automobile business and any custom-made connectors and cable assemblies are welcome.

Both our Taiwan and mainland China facilities can meet your exact specifications.

More newly connectors are being announced constantly. For more product details, inquire now.

▶ Factory Tour

Visit any of our factories:

- Welcome to Our Taiwan Factory
- Welcome to the Shenzhen Factory

Welcome to Our Taiwan Factory

• Profile

Total area of :

3000 square meters

(32292 square feet)

Located in:

Keelung City, Taiwan

Taiwan Keelung City Taipei

Built in 1990



Automatic production department



Assembly department

• Staff Details

Production Staff: 30 to 39

QC Staff: 10 to 19

R&D Staff: 5 to 9

• Site Advantages/Description

We are within reasonable travel time to all major routes of transport. It takes under 15 minutes to reach the sea port, railway station as well as the highway. We can easily transport cargo to the CKS International airport in 1.5 hours.

• Materials/Components

Half of our raw parts and components are imported from Japan, while the rest are sourced from local suppliers.



Head office in Taipei, Taiwan

▶ R&D

- **R&D Staff**

20 to 29

- **Machinery/Equipment for R&D**

We import 50% of the latest R&D equipment from Germany and Japan. Together with 50% local machinery, these high-tech instruments allow our department to develop 20 new series each year.



Inspection equipment



Testing machines

- **Locations**

- Keelung city, Taiwan
- Shenzhen, China

- **Profile**

- Forward us your specific inquiries to receive a prompt response.

▶ Quality Control

- **R&D Staff**

20 to 29

- **Machinery/Equipment for R&D**

We import 50% of the latest R&D equipment from Germany and Japan. Together with 50% local machinery, these high-tech instruments allow our department to develop 20 new series each year.



Projector



Inspection machines

- **Materials/Components**

- Germany
- Japan
- The Taiwan region

- **Procedures/testing Details**

Our R&D team checks for product flaws by using insertion/withdraw machines, high pot testers, contact resistance instruments, projectors, gauges and calibrators. We strictly adhere to UL, CSA, VDE, CNC and CCC standards.

▶ R&D



Our production crew



Our production crew



Our production crew

• OEM Capability

Our complete range of products manufactured according to ISO 9001:2000 guidelines is at your disposal. OEM services encompass buyer's logo or label, designs services plus a whole after sales support package.

- Terminals: 50 million pieces per month
- Housing: 5 million pieces per month
- Wafers: 5 million pieces per month

• Staff Details

Production Staff : 250 to 299

QC Staff : 40 to 49

R&D Staff : 20 to 29

• Years of OEM Experience

20

• Design Services Offered

Yes

• Buyer Label Offered

Yes

• Materials/Components

- Japan: 50%
- Local: 50%

Products are UL, CSA, VDE, CNC and CCC-approved.

• Major Markets Served

Worldwide

BCC25-PR40-xx.....	40	DWR-Sxx-05W5.....	91	H-D-1X03JB.....	27	LKX-B-xx.....	38
BCC25-SR20P-xx.....	40	DWS-S20-07W2.....	91	H-D-1Xxx.....	24	LKX-D-xx.....	39
BCC25-SV65R2P-xx.....	40	F10-V22X-2Xxx.....	7	H-D-2Xxx.....	25	LKX-R-xx.....	39
BCC50-SV118-05.....	41	F2IP01-1414-A2N5.....	128	H-D-3Xxx.....	26	LKX-S-xx.....	39
BCS25-W65P-xx.....	41	F3IP01-4040-A8C.....	128	HDD-PG-xx.....	92	LKX-T-xx.....	39
BCT20-PR095Z-xx.....	40	F8-V33PC-2Xxx.....	5	HDD-SG-xx.....	92	L-P-xx.....	68
BCT20-SR39Z-xx.....	41	F-C2-xx.....	66	HDMIX2-1919-M1M5.....	128	L-RS-xx.....	68
B-D-xx.....	66	F-C3-xx.....	67	HDR15-SNRV-15.....	93	L-R-xx.....	67
BNC-JDL232-50.....	101	F-D110-2Xxx.....	32	HDR-PG-xx.....	93	M12X1-0400-F6F.....	129
BNC-JR13WFM-50.....	100	F-D-1Xxx.....	30	HDR-SG-xx.....	93	MBUB-5B4A-M1M5.....	128
BNC-JR13WWH-50.....	100	F-D-2Xxx.....	30	HDS-PS-xx.....	92	MBUB-EM2V-5B4A.....	130
BNC-JSPQ-50.....	101	F-D36-2Xxx.....	30	HDS-SS-xx.....	92	MCGX2-040422-F8N.....	130
BNC-PA-58.....	101	F-D-3Xxx.....	32	HDX2-1515BG-F60C.....	128	MCX-JR-50.....	105
BNC-PC-58.....	100	F-D57-2Xxx.....	31	HDX2-ES-1515.....	130	MCXMHF-1S1R132-A4C.....	129
BNC-PS-59.....	100	F-D71-2Xxx.....	31	HE14-DG-1Xxx.....	58	MCX-PC-174.....	105
BNCX2-FSPN-75.....	101	F-D85-1Xxx.....	31	HE14-H-1Xxx.....	59	MCX-PCR-174.....	105
B-R-xx.....	66	F-D85-2Xxx.....	31	HE14-RT-1Xxx.....	58	MCX-PD-50.....	105
BTH-D-xx.....	83	F-D85W-1Xxx.....	32	HE14-TG-24.....	59	MCXSMA-1R1S316-M14C.....	129
BTH-U-20.....	83	F-D85W-2Xxx.....	32	HE-D-xxx.....	74	MCX11-1S1X174CM-M1M5.....	129
BTH-V-20.....	83	F-E10-2Xxx.....	34	HES-DE-xxx.....	74	M-D-1Xxx.....	21
BTH-W39-20.....	83	FH-D-xx.....	55	HES-RE-xxx.....	74	M-D-2Xxx.....	21
B-V-xx.....	66	FH-H-xx.....	56	HES-VE-xxx.....	74	MDA-P-xx.....	106
CFC-PW38CE001-50.....	72	FH-R-xx.....	55	HF-28R5HF-xx.....	128	MDC-SPBE-xx.....	107
CFC-PW40BE111-50.....	72	FH-T-28.....	56	HJ-SPB-02A.....	99	MDD-S-04.....	107
CFC-PW40CE201-50.....	72	FH-V-xx.....	55	HM7AB-PP0305B-125.....	53	MDD-SPA-04.....	107
CFC-PW40CE201H-50.....	73	FH-W-xx.....	55	HM7B-SQ-125.....	53	MDJB1-F99-06.....	106
CFC-PW40CE201RS-50.....	73	FIXPHMS-301403-E85C.....	130	HP-A-02.....	99	MDJ-F-08.....	106
CFC-PW40CE202H-50.....	72	FIXX2-3030LL-M6C4.....	130	HP-AG-02M.....	99	MDP-JRM-04.....	106
CFC-PW42BE011RS-50.....	73	FK-DK-2Xxx.....	33	HPC-PFQ-036.....	94	MDP-PA-04.....	107
CFC-PW44BE111-50.....	73	FL-D-xx.....	68	HPC-PSQ-026.....	94	MDX2-0606-M3F.....	129
CTX2-0606-F9C5.....	129	FL-R-xx.....	68	HPC-SDL-036.....	94	MF2X2-1010-F3N.....	128
DBFH-2506-E3F.....	128	FMEMMCX-1S1R174-M16C.....	129	HPC-SRL-026.....	94	MFB-SH-2Xxx.....	65
DBHD-ES-1515.....	130	F-MX-2Xxx.....	36	HPD-PFW-050.....	95	MF-FT-18.....	65
DBRJACFP-258802-F6F.....	129	FNSH-0303-E9C.....	129	HPD-PFWA-068.....	95	MF-MT-18.....	64
DBRJ-EA1-0988.....	130	FPA-CB25-130.....	69	HPD-PSM-050.....	95	MF-PDP-1Xxx.....	63
DBRJ-FA1-2588.....	130	FPA-DL2L-xx.....	69	HPD-SRL-068.....	95	MF-PDP-2Xxx.....	63
DBUB-094A-A2M.....	128	FPA-RL2L-xx.....	70	HPJ-DPQ-04.....	99	MF-PH-1Xxx.....	64
DBX2-ES-0909.....	130	FPA-RLAL-xx.....	70	H-R-1Xxx.....	24	MF-PH-2Xxx.....	64
DBX2-ES-0925.....	130	FPA-RZAL50-xx.....	70	H-R-2Xxx.....	25	MF-PRE-2Xxx.....	64
DBX2-ES-1515.....	130	FPA-VZAL61-xx.....	70	H-R-3Xxx.....	26	MF-PRP-1Xxx.....	63
DCD11-PSZJ-09.....	90	FPA-WZA25-xx.....	69	H-RL-1Xxx.....	24	MF-PRP-2Xxx.....	63
DCJ-DPB-xx.....	103	FPA-WZB25-xx.....	69	HSB-D2707230-2Xxx.....	26	MF-SH-1Xxx.....	65
DCJ-D-xx.....	102	FPB-CA26-600.....	71	HSB-V071X47-2Xxx.....	26	MF-SH-2Xxx.....	65
DCJ-R-25.....	102	FPB-DZAL-xx.....	71	HS-Dttccdd-1Xxx.....	24	MHC-W21-401.....	77
DCJ-R40AM-xx.....	102	FPB-RZAL-xx.....	71	H-V33X-1XxxL.....	25	MHC-W21-601.....	77
DCJ-ROP-xx.....	103	FPB-WL2-xx.....	71	H-V33X-2Xxx.....	27	MHFMUHF-1R1S113-E20C.....	129
DCJ-SPBH-xx.....	103	F-R-1Xxx.....	33	H-WX-1Xxx.....	25	MHFSMA-1R1S113-E10C.....	129
DCJ-SPE13-xx.....	103	F-R-2Xxx.....	33	J51-A-06.....	29	MIF-FT-20.....	60
DCJ-W24-xx.....	102	F-R-3Xxx.....	33	J-A-06.....	28	MIF-MT-20.....	60
DCP-A-5525.....	104	F-R50-1Xxx.....	30	J-A-08.....	29	MIF-PDP-1Xxx.....	59
DCP-A-5525SC9.....	104	F-S-2Xxx.....	36	J-B-04.....	28	MIF-PH-1Xxx.....	60
DCP-R30-145.....	104	FUB-PD0450-4Xxx.....	50	J-B-06.....	28	MIF-PRP-1Xxx.....	59
DCP-R40-10.....	104	FUB-PP0478766-5X06.....	50	J-B-08.....	29	MIF-SH-1Xxx.....	60
DCX1-5521-F30C.....	128	FUB-PR0250-4Xxx.....	51	J-BS-2Xxx.....	28	MIFX1-B110022-F2M.....	129
DD-SGZJ-xx.....	90	FUB-SDxx-5Xxx.....	51	JC-16-127.....	128	MJ11-KX06-0606.....	108
DF12-P28P-xxx.....	1	FUB-SPxx-5Xxx.....	51	J-H-06.....	29	MJ12L-KX06-0606.....	108
DF12-S12P-xxx.....	1	FUB-SQ02-4Xxx.....	52	JKX-P21-050.....	5	MJ12U-KX06-0604.....	109
DF9-P-xx.....	6	FUB-SQ02-5Xxx.....	52	JKX-S30-050.....	5	MJ13U-KX06-0808.....	109
DF9-S-xx.....	6	FUB-SR02-5Xxx.....	51	KE-DLE-1Xxx.....	76	MJ17-KX06-1515.....	110
DF9X2-3131-F7C6.....	128	FUP-PD04xx-4X02.....	52	KE-DLE-xx.....	76	MJ21-GX06SB-0808.....	110
DIM1-A-240.....	84	FUP-SR02-4X06.....	52	KE-DXE-xx.....	76	MJ623K-0604-100.....	129
DIM-AVZ-184.....	84	F-V50X-2Xxx.....	34	KE-SLE-xx.....	76	MJD15Ax-GE06Z-0606.....	108
DIM-DZ-240.....	84	F-V50XC-1XxxL.....	34	KK-D-xx.....	61	MJD16-KE06-0808.....	108
DIM-R11-184.....	84	F-V50XC-1XxxR.....	35	KK-H-xx.....	61	MJDF16-KX06B38-0808.....	111
DRB1-EN15-3535.....	93	F-V75X-2Xxx.....	35	KK-R-xx.....	61	MJDF16L-KX06B38G8-0808.....	111
DR-PGNH-xx.....	90	FX8-P09PCR-xxx.....	3	KK-T-18.....	61	MJF08-KX06-0808.....	111
DR-PGNJ-xx.....	89	FX8-S21P-xxx.....	3	KKX1-0600-F7C.....	130	MJF08UL-KT06GG-0808.....	111
DR-PG-xx.....	89	F-Z37PC-2Xxx.....	34	KX-B-xx.....	37	MJF13-KF06A3-0808.....	112
DR-SGNH-xx.....	90	F-Z50XC-1XxxL.....	35	KX-D-xx.....	38	MJF13-KT06A3-0808.....	112
DR-SGNJ-xx.....	89	F-Z50XC-2Xxx.....	35	KX-R-xx.....	38	MJF13T36L-KF06B3GY-0808.....	112
DR-SG-xx.....	89	H10-V45X19C-2Xxx.....	6	KX-S-xx.....	37	MJF13T36L-KX06B3GY-0808.....	112
DVIHD-EMxx-1715.....	130	H8-V13PC-2Xxx.....	6	KX-T-xx.....	38	MJF13UL-KF06B3GY-0808.....	113
DWD-PxxZ-07W2.....	91	HAF2X2-4040-FN10C.....	128	L-DS-xx.....	67	MJF25B2-KF06A4-0808.....	114
DWR-PxxZN-05W5.....	91	H-D-1X03JA.....	27	L-D-xx.....	67	MJF25ULB1-KX06B7GY-0808.....	114

MJV12-KX06-0808.....	110	PCM-PA-10.....	79	SJ-B-03.....	23	UC-PD-3X16.....	43
MJV15-KF06-0808.....	110	P-D25-1Xxx.....	14	SJ-B-04.....	23	UC-PD-3X32.....	46
MJW11-KX06R-0808.....	109	P-D25-2Xxx.....	14	SJ-H-04.....	23	UC-PP13-3X40.....	47
MJW12J-KX06P-0808.....	109	PGP26-VxxP-1Xxx.....	53	S-M-2Xxx.....	21	UC-PR-2X16.....	43
MJWF12-KF06P-0808.....	113	PHD-D-xx.....	56	SMA11-1S1X100-F20C.....	129	UC-PR-2X32.....	46
MJWF13U-KF06EP-0808.....	113	PHD-H-xx.....	57	SMC-W37-22.....	78	UC-PR-3X16.....	44
MJWM13-KE06A3-0808.....	113	PHD-R-xx.....	56	SP12-DG-1Xxx.....	87	UC-PR-3X16.....	49
MKX1-0700-F54C.....	129	PHD-T-24.....	57	S-R43-1Xxx.....	18	UC-PR-3X32.....	47
MMCXSMA-1R1S174-E7C.....	129	PIC-D03G-xx.....	86	S-R67-2Xxx.....	18	UC-PRZ-3X16.....	44
MMCXX1-1R1X178-M7C.....	129	PIC-D06G-xxx.....	86	S-R72-2Xxx.....	18	UC-SD13-2X32.....	48
MPCI-W40-052.....	85	PNRC-EM-0202.....	130	S-S-2Xxx.....	20	UC-SD13-3X32.....	48
MPCI-W92-124.....	85	PNRC-ET-0302.....	130	SS-D-1Xxx.....	87	UC-SD-2X16.....	43
MP-F-0404.....	115	P-R2030-1Xxx.....	14	SS-D-2Xxx.....	87	UC-SD-2X32.....	46
MP-FSF-1010.....	116	P-R3030-2Xxx.....	15	SUR-SI32-xx.....	54	UC-SD-3X16.....	44
MP-R-0606.....	115	PS-D0853015-1Xxx.....	14	SUR-V-xx.....	54	UC-SD-3X32.....	47
MP-R-0808.....	115	PS-D1393032-2Xxx.....	15	SUR-W-xx.....	54	UC-SF-2X32.....	49
MP-R-1010.....	115	P-V36X-1XxxR.....	15	SURX1-0200-F6N.....	129	UC-SP-2X32.....	48
MP-RF6-0808.....	116	P-V38X-2Xxx.....	15	S-V28X-2Xxx.....	19	UC-SP-3X16.....	48
MP-RMS-0808.....	116	PVFX2-0408-FN18C.....	128	S-V45X-1XxxR.....	19	UC-SP-3X32.....	49
MP-RSM-0808.....	116	PVFX2-1616-M3C.....	128	S-V45X-2Xxx.....	19	UC-SR-2X16.....	43
M-R-1Xxx.....	22	PVFX2-1818-E6C5.....	128	SW-PBK-xx.....	88	UC-SR-3X16.....	44
M-R-2Xxx.....	22	PVX2-0202-FN60C.....	129	SW-SCxx-xx.....	88	UC-SR-3X32.....	47
M-RT4-2Xxx.....	21	Q187-FT8-14.....	125	SW-SRRD-xx.....	88	UF-SDH-3X16.....	49
MSB-PS-10D.....	98	Q187-FV-30.....	125	SW-S-xx.....	88	UH-PRPM-15.....	50
MSB-PS-16.....	98	Q187-MD8-12.....	125	S-Z24P-2Xxx.....	19	UH-SD-15.....	50
MSB-PS-5B.....	96	Q187-MR-8.....	125	S-Z24X-2Xxx.....	18	VH-D-xx.....	62
MSB-PS-8A.....	97	Q250-FBL-18.....	126	TBB076-DC-xx.....	124	VH-H-xx.....	62
MSB-PS-8B.....	97	Q250-FHL-02.....	127	TBB076-RC-xx.....	124	VH-R-xx.....	62
MSB-SVEP-5B.....	96	Q250-FN-01.....	127	TBH038-D10-xx.....	118	VH-T-18.....	62
MSB-SW-10D.....	98	Q250-FT8-14.....	126	TBH038-PDB-xx.....	118	XHX1-0300-F6C.....	123
MSB-SW-16.....	98	Q250-MD8-14.....	126	TBH038-PSCF-xx.....	118	YAB-V45P-2Xxx.....	13
MSB-SW-8A.....	97	Q250-MHL-02.....	127	TBH038-SWCH-xx.....	117	YA-D20-1Xxx.....	8
MSB-SW-8B.....	97	Q250-MR8-16.....	126	TBH038-SW-xx.....	118	YA-D34-1Xxx.....	8
MSB-SWC-5B.....	96	Q250-MT8NFC-127.....	127	TBH051-A15-xx.....	120	YA-D34-2Xxx.....	8
MSB-SWFEMC-5AB.....	96	RJX2-0606BK-M50C.....	128	TBH051B1-PDR-xx.....	119	YA-D43-2Xxx.....	9
MUJT10UL-KX03GOYX-88AA.....	114	RJX2-0808RV-M30C.....	128	TBH051B1-PRBR-xx.....	119	YA-MX-2Xxx.....	10
MUJT16U-KX06-86A1.....	114	RJX2-ET-0808.....	130	TBH051-D10-xx.....	120	YA-R43-1Xxx.....	9
M-V22X-2Xxx.....	22	RJX2-FS-0604.....	130	TBH051-PDBF-xx.....	119	YA-R44-2Xxx.....	9
M-WX-1Xxx.....	22	RM-D-xx.....	57	TBH051-PR-xx.....	119	YA-S-2Xxx.....	10
MX-B-xx.....	37	RM-H-xx.....	58	TBH051-SVA-xx.....	120	YA-V22P-2Xxx.....	10
MX-DL-xx.....	37	RM-R-xx.....	57	TBH051-SW-xx.....	120	YA-V326P-2Xxx.....	9
MX-S-xx.....	36	RM-T-22.....	58	TBH076-PDB-xx.....	123	YA-V45X-1XxxL.....	12
MX-T-xx.....	36	SATA2-0707-F18C.....	128	TBH076-PD-xx.....	123	YA-V45X-2Xxx.....	13
NP04-P03X-xxx.....	1	S-B40-1XxxR.....	20	TBH076-PRB-xx.....	123	YA-Z23P-2Xxx.....	10
NP04-S12X-xxx.....	1	S-B50-2Xxx.....	20	TBH076-PR-xx.....	123	Y-D46-2Xxx.....	15
NP0519-P10X-xxx.....	2	S-B60-2Xxx.....	20	TBN051-D10-xx.....	121	Y-D85-2Xxx.....	16
NP0519-S15X-xxx.....	2	SCE-W2231-06.....	81	TBN051-RL-xx.....	121	YJ-A-03.....	13
NP05K-P20PC-xxx.....	2	SCFB1-RA-08.....	82	TBN075-D12-xx.....	122	YJ-H-03.....	13
NP05K-S30PC-xxx.....	2	SCF-R68x-08.....	82	TBN075-D13-xx.....	122	Y-V60P-2Xxx.....	16
NP065K-P30PC-xxx.....	3	SCL-W58B-08.....	82	TBX038-R15-xx.....	117		
NP06K-S39PC-xxx.....	3	SCTF-W16EH2-0808.....	81	TBX038-SVC-xx.....	117		
NP08G-PW420-xxx.....	4	SCT-W1230XB-06.....	81	TBX038-SWC-xx.....	117		
NP08G-SV145-xxx.....	5	SCU-W1026PB-06.....	80	TBX051-D14-xx.....	121		
NP08-P605P-xxx.....	4	SCU-W1028X-06.....	81	TBX075-A19-xx.....	122		
NP08-S090P-xxx.....	4	SCV-W2523P-06.....	80	TBX075-R14-xx.....	122		
NP1014-PW-xx.....	7	SCV-W2523P-08.....	80	TBX076-D14-xx.....	124		
NP1014-SV-xx.....	8	SCV-W2830PB-06.....	80	TBX076-R13-xx.....	124		
NP10-PxxxPC-xxx.....	7	SCZ-W1827XB-08.....	82	TBY051-A13-xx.....	121		
NP10-SxxxPC-xxx.....	7	S-D43-1Xxx.....	16	TFC-WPCE-08.....	78		
PAB-R-2Xxx.....	11	S-D43-2Xxx.....	16	T-R47-xx.....	27		
PAB-V16P-2Xxx.....	12	S-D45-2Xxx.....	17	UB-PD-2X16.....	41		
PAB-WZ-2Xxx.....	12	S-D63-4Xxx.....	17	UB-PD-2X32.....	45		
PA-D25-2Xxx.....	11	S-D72-2Xxx.....	17	UB-PR-2X16.....	42		
PA-R10-2Xxx.....	11	SDC-W24PB02-09.....	77	UB-PR-2X32.....	45		
PA-R20-1Xxx.....	11	SDC-W24PB10-09.....	77	UB-SD-2X16.....	42		
PAS-V080X60-2Xxx.....	12	SDC-W24PC21-09.....	78	UB-SD-2X32.....	45		
PA-V16X-2Xxx.....	11	SDC-W26PAXx-09.....	78	UB-SR-2X16.....	42		
PCC-PRLxxVx-68.....	79	SDM6-W92V25-40A6.....	85	UB-SR-2X32.....	45		
PCC-SW04-68.....	79	SDM8-W52V33-6084.....	85	UBX2-4A4B2VFC-M2M.....	128		
PCIX-DL-164.....	75	SE-D09323-2Xxx.....	17	UBX2-EMBG-4A4B.....	130		
PCIX-D-xxx.....	75	SIC-D03-xx.....	86	UBX2-FMBG-4A4A.....	130		
PCIX-R-xxx.....	75	SIC-D06-xx.....	86	UBX2-MMBG-4A4A.....	130		
PCIX-VP-xxx.....	75	SICP-V06-40.....	87	UC-PD-2X16.....	42		
PCM-JW-10.....	79	SJ-A-05.....	23	UC-PD-2X32.....	46		