



D-Sub Connector Solder Type

MATERIAL

Insulator : Polyester
Contact Pin : Copper Alloy

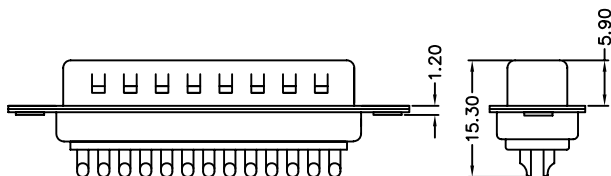
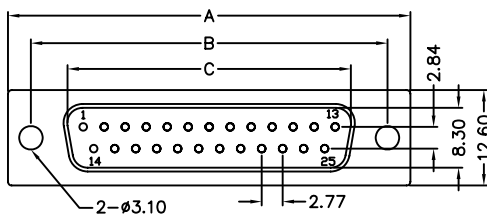
SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 30mΩMax. at DC 100mA
Operation Temperature : -55°C to +105°C

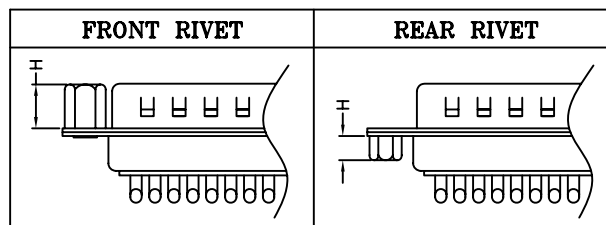
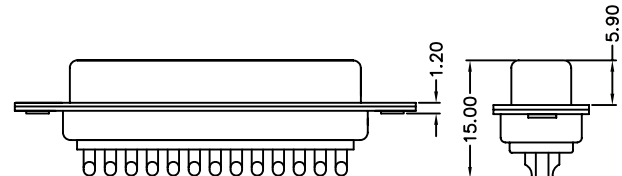
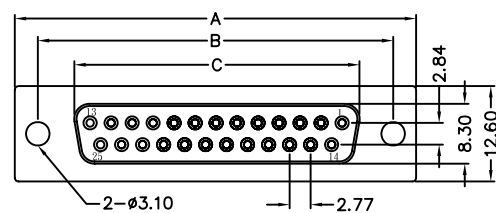


Detail Dimensions

982-31-Axx003



982-31-Bxx003



Order Information

982-31- x xx x x 3
1 2 3 4

1. A: Male
B: Female
2. No. of contacts
3. 0: Black Insulator
2: White Insulator
8: Blue Insulator

4. 0: None Accessories
1: Front rivet #4-40 H=4.0mm
3: Rear rivet #4-40 H=4.0mm
7: Front rivet #4-40 H=5.8mm
8: Rear rivet #4-40 H=3.2mm

Standard Parts
982-31-Axx003
982-31-Bxx003

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C		Poles	DIM A	DIM B	DIM C				
9	30.80	25.00	16.92		9	30.80	25.00	16.30				
15	39.20	33.32	25.25		15	39.20	33.32	24.70				
25	53.05	47.04	38.96		25	53.05	47.04	38.38				
37	69.40	63.50	55.42		37	69.40	63.50	54.80				



D-Sub Connector H.D. Solder Type

MATERIAL

Insulator : Polyester
Contact Pin : Copper Alloy

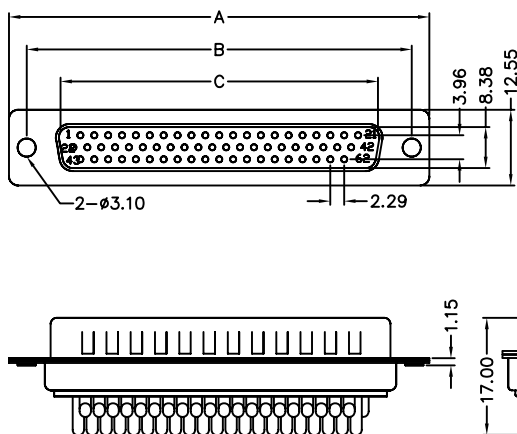
SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 30mΩMax. at DC 100mA
Operation Temperature : -55°C to +105°C

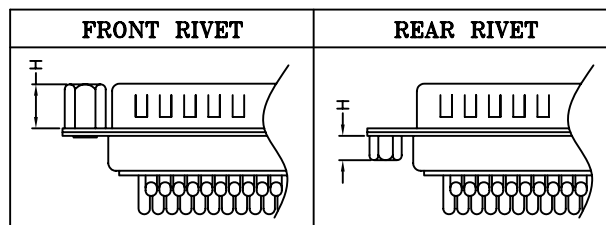
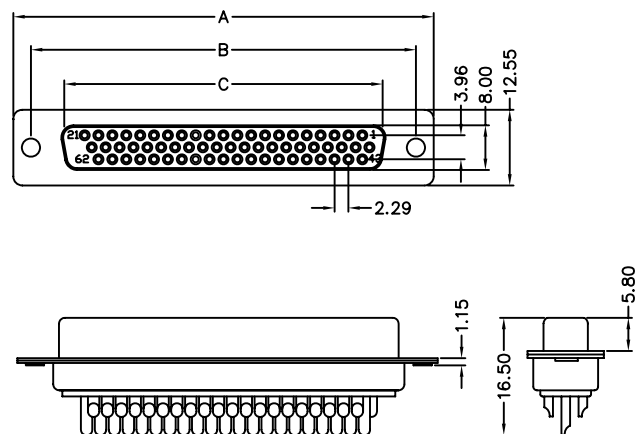


Detail Dimensions

982-31-Cxx203



982-31-Dxx203



Order Information

982-31- x xx x x 3
1 2 3 4

1. C: Male
D: Female
2. No. of contacts
3. 0: Black Insulator
2: White Insulator
8: Blue Insulator

4. 0: None Accessories
1: Front rivet #4-40 H=4.0mm
3: Rear rivet #4-40 H=4.0mm
7: Front rivet #4-40 H=5.8mm
8: Rear rivet #4-40 H=3.2mm

Standard Parts
982-31-Cxx203
982-31-Dxx203

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C		Poles	DIM A	DIM B	DIM C				
15	30.81	24.99	16.92		15	30.81	24.99	16.33				
26	39.25	33.32	25.25		26	39.25	33.32	24.66				
44	53.04	47.04	38.96		44	53.04	47.04	38.38				
62	69.50	63.50	55.42		62	69.50	63.50	54.84				
* 78	67.10	61.00	52.81		* 78	67.10	61.00	52.40				
* 78P - 4 rows, please ask for spec. sheet, thanks!					* 78P - 4 rows, please ask for spec. sheet, thanks!							



D-Sub Connector IDC Type H=1.0mm

MATERIAL

Insulator : Polyester
Contact Pin : Copper Alloy

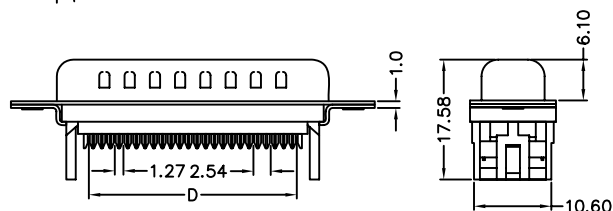
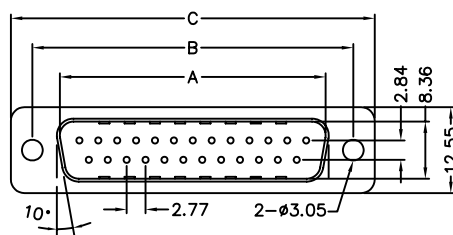
SPECIFICATION

Current Rate : 3 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at 1 AMP
Operation Temperature : -55°C to +105°C

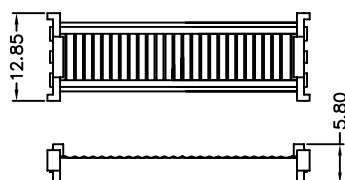


Detail Dimensions

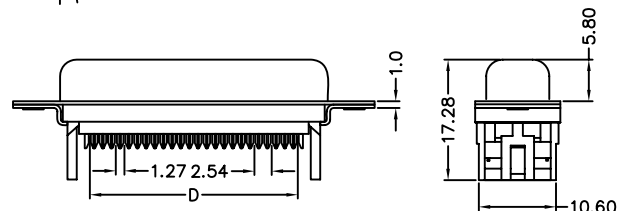
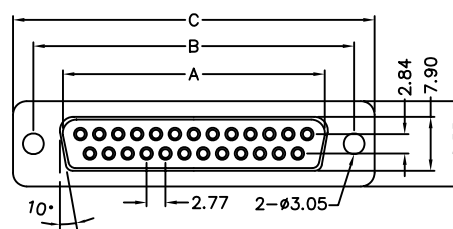
982-41-Axxx01



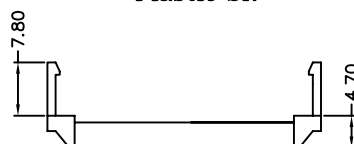
Cover



982-41-Bxxx01



Plastic SR



Metal SR



Order Information

982-41- x xx x 0 1
1 2 3

1. A: Male
B: Female
2. No. of contacts
3. 0: Black Insulator ; Metal SR
1: Black Insulator ; Plastic SR
2: Black Insulator ; without SR

- 3: Blue Insulator ; Metal SR
- 4: Blue Insulator ; Plastic SR
- 5: Blue Insulator ; without SR

Standard Parts

982-41-Axxx01
982-41-Bxxx01

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C	DIM D		Poles	DIM A	DIM B	DIM C	DIM D			
9	16.92	24.99	30.81	10.16		9	16.33	24.99	31.16	10.16			
15	25.50	33.32	39.14	17.78		15	24.66	33.32	39.42	17.78			
25	38.96	47.04	53.04	30.48		25	38.38	47.04	53.34	30.48			
37	55.42	63.50	69.32	45.72		37	54.84	63.50	69.68	45.72			



D-Sub Connector IDC Type H=3.0mm

MATERIAL

Insulator : Polyester
Contact Pin : Copper Alloy

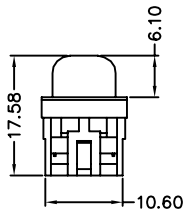
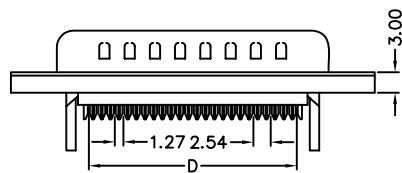
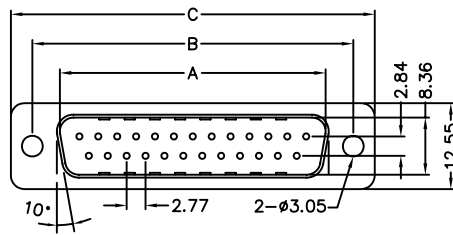
SPECIFICATION

Current Rate : 3 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 20mΩMax. at 1 AMP
Operation Temperature : -55°C to +105°C

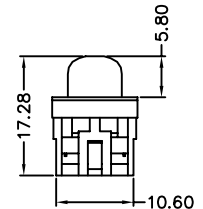
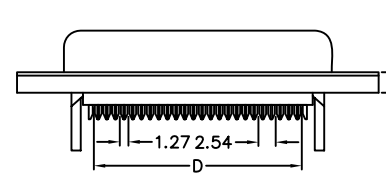
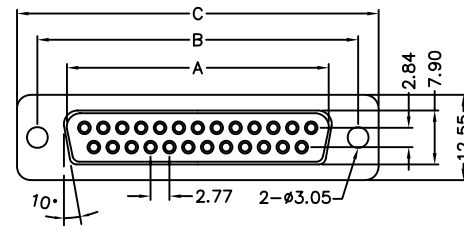


Detail Dimensions

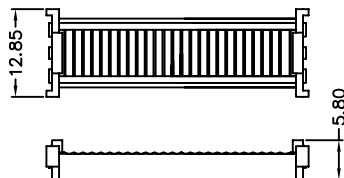
982-41-Cxxxx1



982-41-Dxxx01



Cover



Plastic SR



Metal SR



Order Information

982-41- x xx x x 3
1 2 3 4

1. C: Male (Metal Shell)
D: Female (Metal Shell)
E: Male (Full Plastic)
F: Female (Full Plastic)
2. No. of contacts
3. 0: Black Insulator ; Metal SR
1: Black Insulator ; Plastic SR
2: Black Insulator ; without SR

- 3: Blue Insulator ; Metal SR
4: Blue Insulator ; Plastic SR
5: Blue Insulator ; without SR
4. 0: Clear hole
1: Thread #4-40
2: Thread M3

Standard Parts

982-41-Cxxx01
982-41-Dxxx01
982-41-Exxx01
982-41-Fxxx01

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C	DIM D		Poles	DIM A	DIM B	DIM C	DIM D			
9	16.92	24.99	30.81	10.16		9	16.33	24.99	31.16	10.16			
15	25.50	33.32	39.14	17.78		15	24.66	33.32	39.42	17.78			
25	38.96	47.04	53.04	30.48		25	38.38	47.04	53.34	30.48			
37	55.42	63.50	69.32	45.72		37	54.84	63.50	69.68	45.72			



D-Sub Connector Crimping Type

MATERIAL

Insulator : Polyester
Contact Pin : Copper Alloy

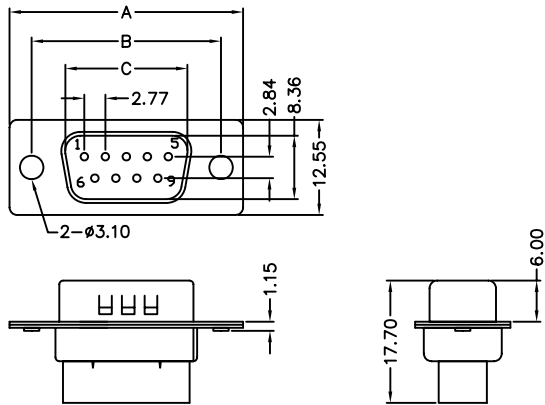
SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 30mΩMax.
Operation Temperature : -55°C to +85°C

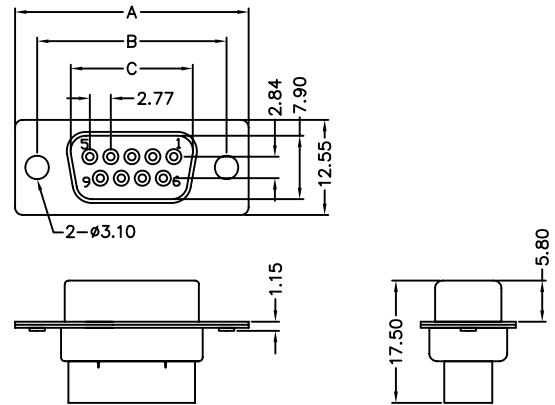


Detail Dimensions

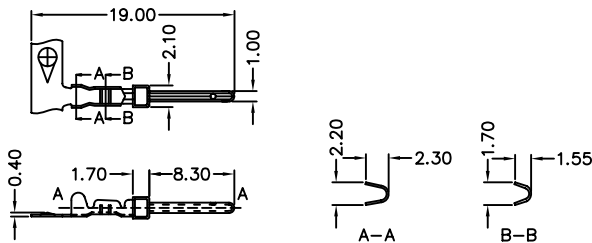
982-51-Axx005



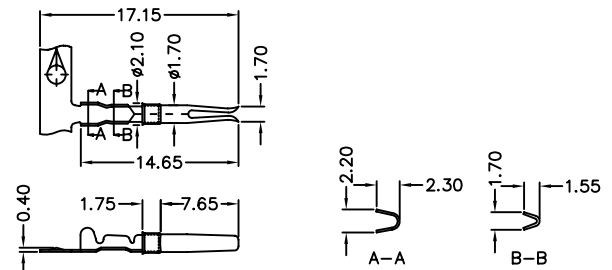
982-51-Bxx005



982-51-E00005



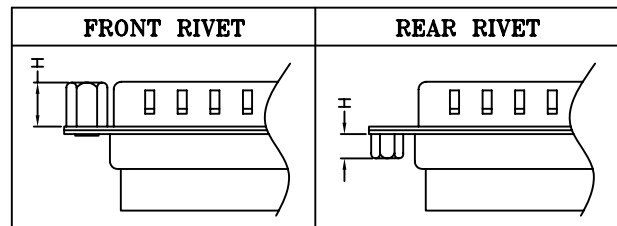
982-51-F00005



Order Information

982-51- x xx 0 x 5
1 2 3

1. A: Male Housing
B: Female Housing
E: Male Terminal
F: Female Terminal
2. No. of contacts
00: Terminal
3. 0: Selective gold plating (for terminal)
0: None Accessories (for housing)



- 1: Front rivet #4-40 H=4.0mm
- 3: Rear rivet #4-40 H=4.0mm
- 7: Front rivet #4-40 H=5.8mm
- 8: Rear rivet #4-40 H=3.2mm

Standard Parts
982-51-Axx005
982-51-Bxx005
982-51-E00005
982-51-F00005

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C		Poles	DIM A	DIM B	DIM C				
9	30.81	24.99	16.92		9	30.81	24.99	16.35				
15	39.25	33.32	25.25		15	39.25	33.32	24.51				
25	53.04	47.04	38.96		25	53.04	47.04	38.35				
37	69.50	63.50	55.42		37	69.50	63.50	54.84				



D-Sub Connector H.D. Crimping Type

MATERIAL

Insulator : Polyester
Contact Pin : Copper Alloy

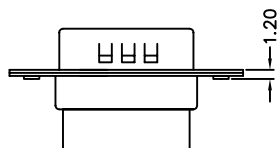
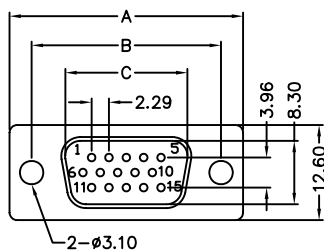
SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 30mΩMax.
Operation Temperature : -55°C to +85°C

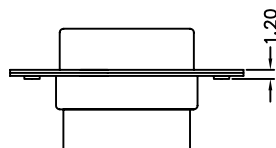
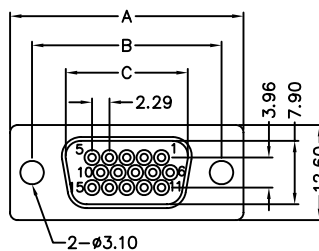


Detail Dimensions

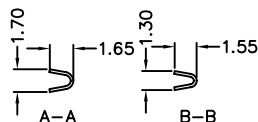
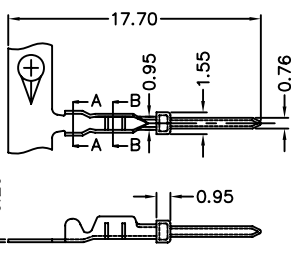
982-51-Cxx005



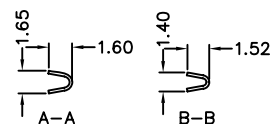
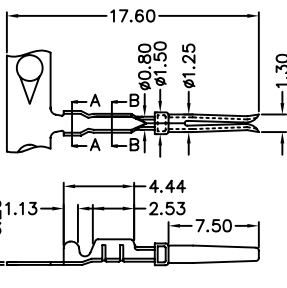
982-51-Dxx005



982-51-G00005



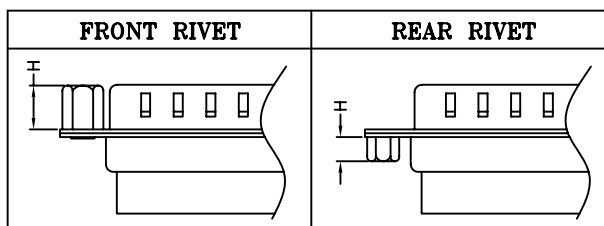
982-51-H00005



Order Information

982-51- x xx 0 x 5
1 2 3

1. C: Male Housing
D: Female Housing
G: Male Terminal
H: Female Terminal
2. No. of contacts
00: Terminal
3. 0: Selective gold plating (for terminal)
0: None Accessories (for housing)



- 1: Front rivet #4-40 H=4.0mm
- 3: Rear rivet #4-40 H=4.0mm
- 7: Front rivet #4-40 H=5.8mm
- 8: Rear rivet #4-40 H=3.2mm

Standard Parts
982-51-Cxx005
982-51-Dxx005
982-51-G00005
982-51-H00005

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C		Poles	DIM A	DIM B	DIM C	
15	30.80	25.00	16.92		15	30.80	25.00	16.33	
26	39.20	33.32	25.25		26	39.20	33.32	24.66	
44	53.05	47.04	38.96		44	53.05	47.04	38.38	
62	69.40	63.50	55.42		62	69.40	63.50	54.84	



D-Sub Hood (101 & 102 Series)

MATERIAL

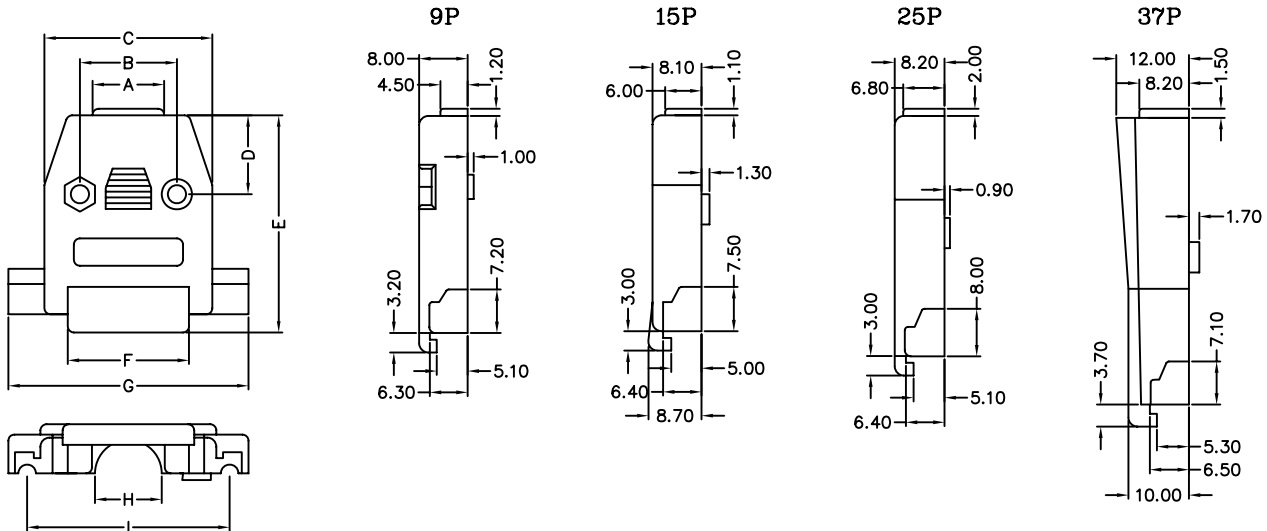
Hood: ABS UL 94HB

Screw: Steel with Nickel plated

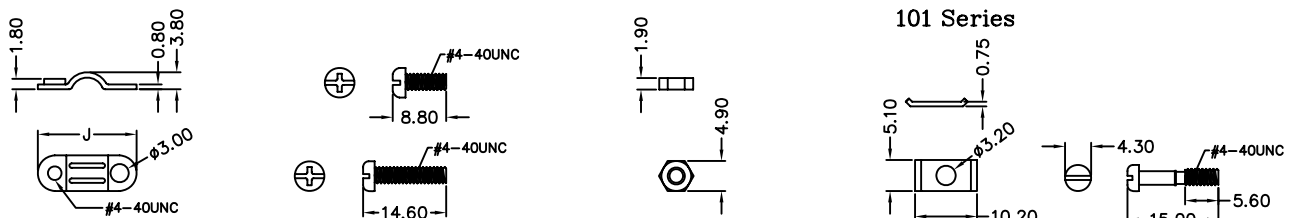
Cable Clipper: Steel with Nicker plated



Detail Dimensions



Accessories



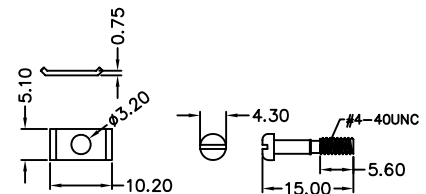
Order Information

993-6x- xx xx x 1
1 2 3 4

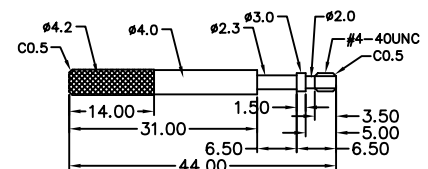
1. 1: Bulk package
2: Bag package
2. 01: 101 Series
02: 102 Series
3. No. of contacts
4. 0: Black Insulator
1: Gray Insulator
2: Chrome-plated Insulator

Standard Parts
993-61-01xx01
993-61-01xx11
993-61-02xx01
993-61-02xx11

101 Series



102 Series



Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM I	DIM J					
9	ø9.00	12.80	20.50	11.70	40.20	12.10	31.00	ø7.0	24.99	16.20					
15	ø11.80	16.00	27.70	13.00	35.80	20.00	39.60	ø10.00	33.40	19.40					
25	ø13.00	30.00	40.80	18.50	42.00	30.00	54.20	ø11.00	46.50	26.50					
37	ø16.50	35.00	57.80	23.00	51.00	29.90	69.00	ø13.80	63.50	26.50					

* 23 & 50 ways are available, please ask for spec. sheet, thanks!

* There are many other hoods available, please contact our sales rep. for information, thanks!



Micro USB Connector B Solder Type

■ MATERIAL

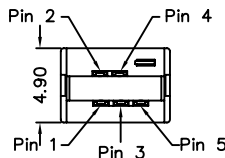
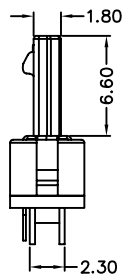
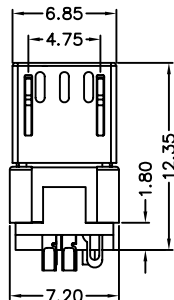
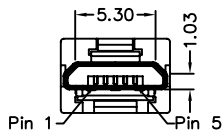
Insulator : Polyester
Contact Pin : Phosphor Bronze
Shell : Stainless Steel / SPCC

■ SPECIFICATION

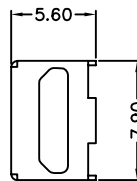
Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 30mΩMax.
Operation Temperature : -55°C to +105°C

■ Detail Dimensions

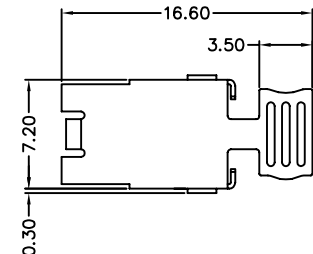
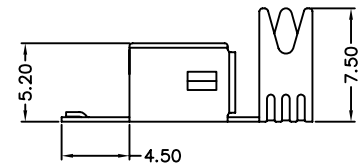
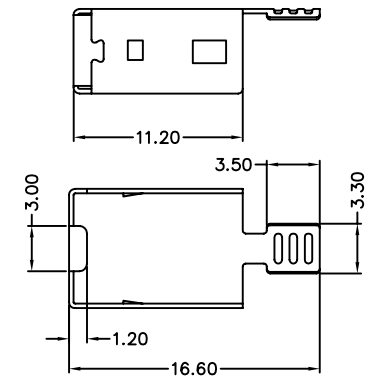
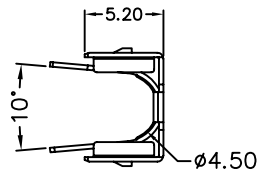
BODY



Top Shell



Down Shell



■ Order Information

984-75-7 05 0 1 4
1 2 3

1. 5: Bulk package
2. No. of contacts
3. 1: with shells

Standard Parts
984-75-705014

Unit: mm



USB Connector A Solder Type

■ MATERIAL

Insulator : Polyester
Contact Pin : Brass
Shell : Stainless Steel

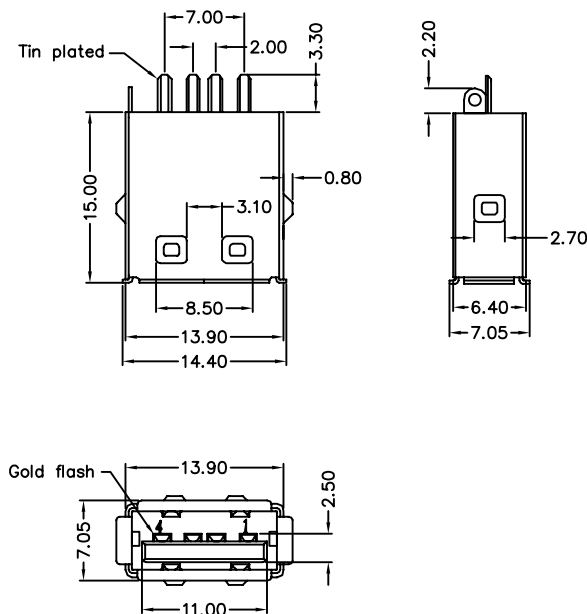
■ SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 30mΩMax.
Operation Temperature : -55°C to +105°C

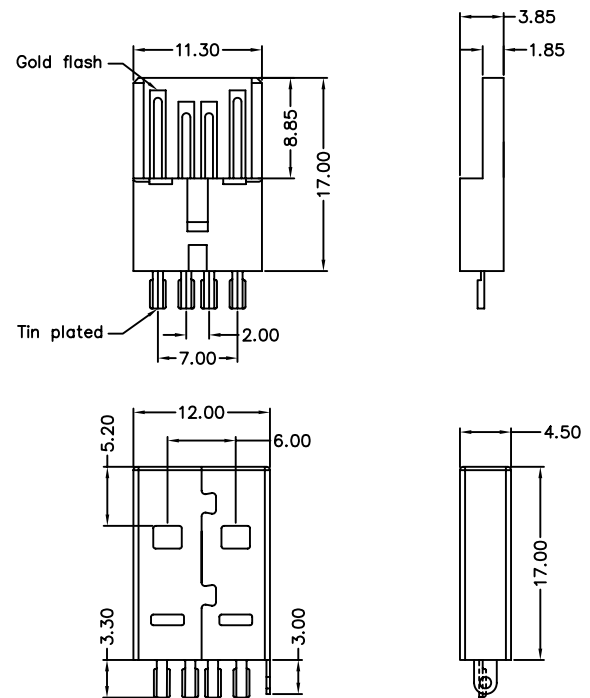


■ Detail Dimensions

984-10-6045x7



984-10-7045x7



■ Order Information

984-10- x 04 5 x 7
1 2 3 4

- 1. 0: Bulk package
- 2. 6: Female
- 7: Male
- 3. No. of contacts
- 4. 0: Black Insulator
- 1: White Insulator

Standard Parts
984-10-6045x7
984-10-7045x7

Unit: mm



USB Connector B Solder Type

MATERIAL

Insulator : Polyester
Contact Pin : Brass
Shell : Stainless Steel

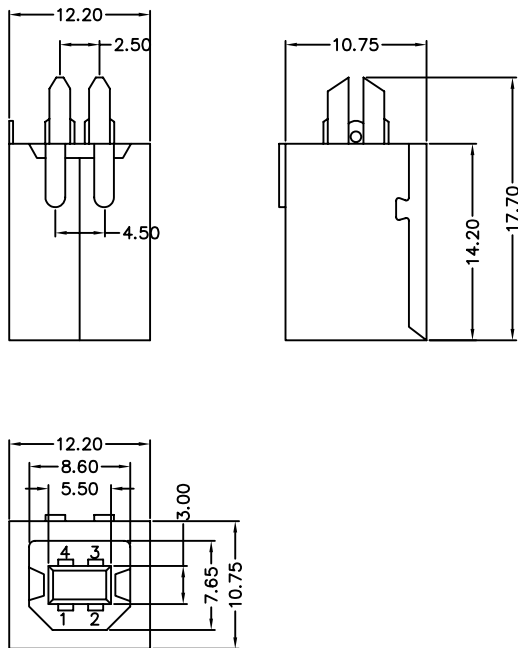
SPECIFICATION

Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 30mΩMax.
Operation Temperature : -55°C to +105°C

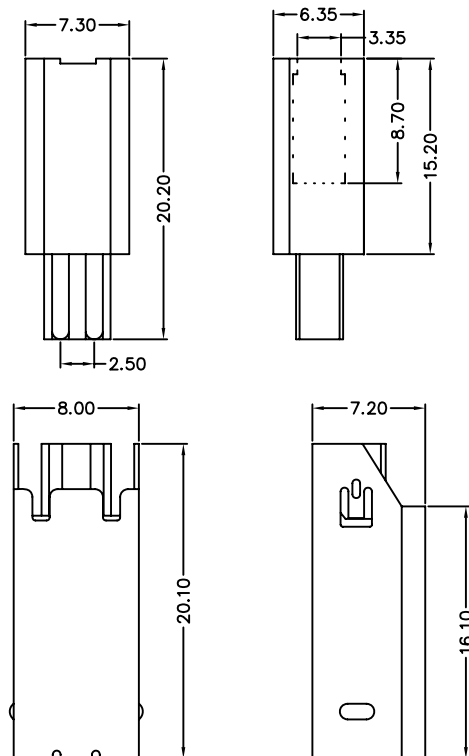


Detail Dimensions

984-20-6045x7



984-20-7045x7



Order Information

984-20- x 04 5 x 7
1 2 3 4

1. 0: Bulk package
2. 6: Female
- 7: Male
3. No. of contacts
4. 0: Black Insulator
- 1: White Insulator

Standard Parts
984-20-6045x7
984-20-7045x7

Unit: mm



Modular Plug

■ MATERIAL

Insulator : PC

Contact : Copper Alloy

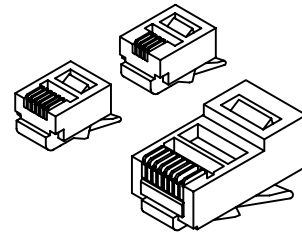
■ SPECIFICATION

Current Rate : 1.5 AMP at 125V AC

Insulation Resistance : 500MΩMin. at DC 500V

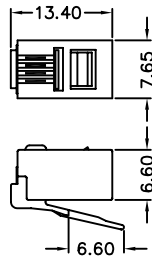
Contact Resistance : 35mΩMax. at DC 100mA

Operation Temperature : -40°C to +120°C

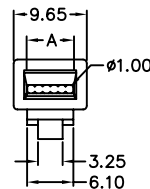
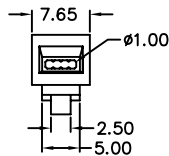
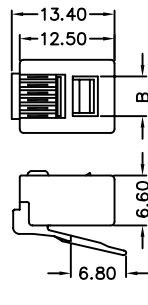


■ Detail Dimensions

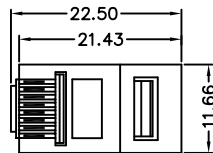
4P4C



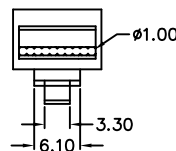
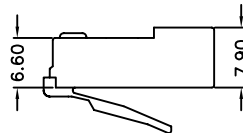
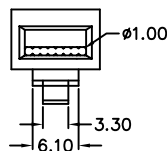
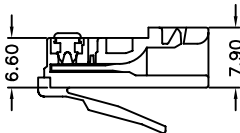
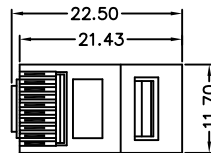
6P6C



8P8C



10P10C



Cable Type



Flat Cable



Round Cable

Contact Type

A TYPE



Two Prongs for
stranded wire

C TYPE



Three Prongs for
solid wire

B TYPE



Two Prongs for
stranded/solid wire

■ Order Information

996-B1- xx x x x 1
1 2 3 4 5

- 1: Bulk package
- 2: 01: A Type contact
- 02: C Type contact
- 03: B Type contact
- 3: No. of positions (4,6,8,10)
- 4: No. of contacts (2,4,6,8,10)
- 5: 0: 6u" Gold plating for flat cable
- 1: 6u" Gold plating for round cable

- 2: 3u" Gold plating for flat cable
- 3: 3u" Gold plating for round cable
- 4: 15u" Gold plating for flat cable
- 5: 15u" Gold plating for round cable
- 6: 30u" Gold plating for flat cable
- 7: 30u" Gold plating for round cable

Standard Parts
996-B1-01xx01
996-B1-01xx11
996-B1-02xx01
996-B1-02xx11
996-B1-03xx01
996-B1-03xx11

■ Number Of Contacts

Unit: mm

Poles	DIM A	DIM B												
6P2C	5.20	5.10												
6P4C	5.20	5.10												
6P6C	7.10	6.20												

* There are some other types available, please contact our sales rep. for information, thanks!



Scart Connector Solder Type

■ MATERIAL

Insulator : Polyester

Contact Pin : Copper Alloy

■ SPECIFICATION

Current Rate : 3 AMP at 250V AC

Insulation Resistance : 1500MΩMin.

Contact Resistance : 11mΩMax. at DC 100mA

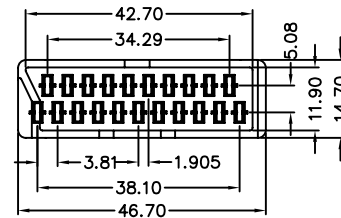
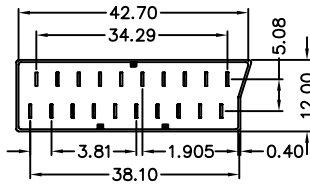
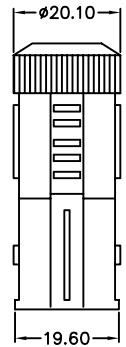
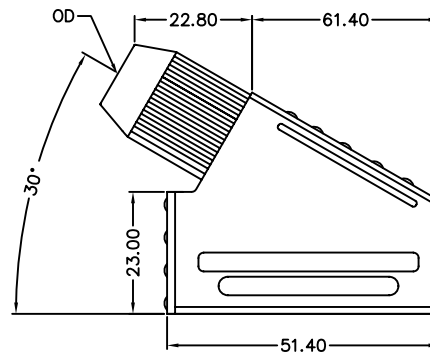
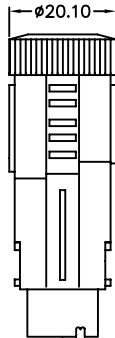
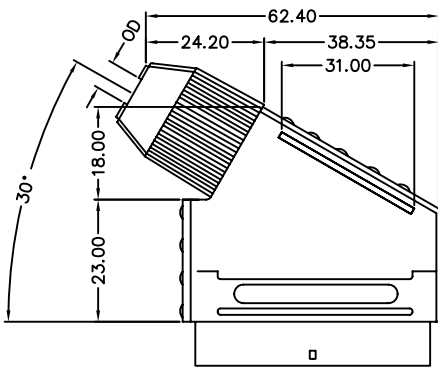
Operation Temperature : -40°C to +70°C



■ Detail Dimensions

999-80-7215x1

999-80-6215x1



■ Order Information

999-8 0 - x 21 5 x 1
1 2 3 4

Standard Parts
999-80-6215x1
999-80-7215x1

1. 0: Bag package
2. 6: Female
- 7: Male
3. No. of contacts
4. 7: OD 7mm
- 8: OD 8mm
- 9: OD 9mm
- 0: OD 10mm
- 1: OD 11mm
- 2: OD 12mm
- 3: OD 13mm

Unit: mm



Flat Cable (0.635/1.0/1.27mm)

MATERIAL

Insulator : Polyvinyl Chloride (PVC)

Conductor: 7/0.127mm - 1.0mm & 1.27mm

7/0.102mm - 0.635mm

SPECIFICATION

Voltage Rate : 300V

Insulation Resistance : 100MΩMin. per km

Conductor Resistance : 237ΩMax. per km

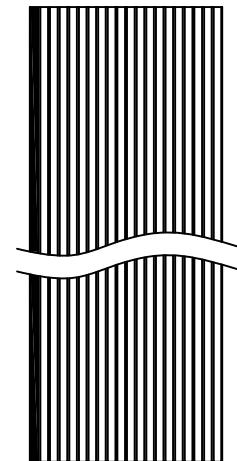
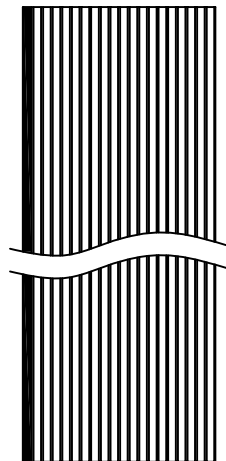
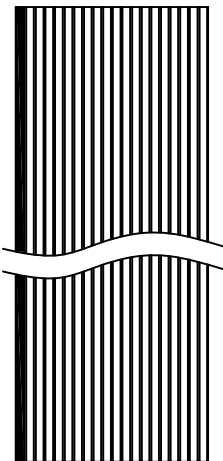
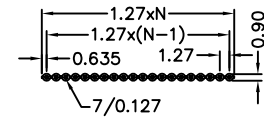
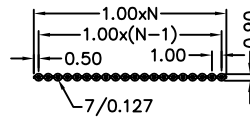
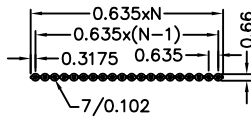
Operation Temperature : -20°C to +105°C

Detail Dimensions

991-3x-xx7108
UL2678 AWG 30

991-2x-xx7108
UL2651 AWG 28

991-1x-xx7108
UL2651 AWG 28



Order Information

991-x x- xx xx 08
1 2 3 4

1. 1: Pitch 1.27mm
- 2: Pitch 1.0mm
- 3: Pitch 0.635mm
2. 1: 100ft per reel
- 2: 250ft per reel
- 3: 500ft per reel

3. No. of contacts
4. 30: Solid conductor (0.635mm only)
* Conductor size 0.254mm
- 71: Stranded conductor

Standard Parts
991-1x-xx7108
991-2x-xx7108
991-3x-xx7108
991-3x-xx3008

Number Of Contacts

Unit: mm

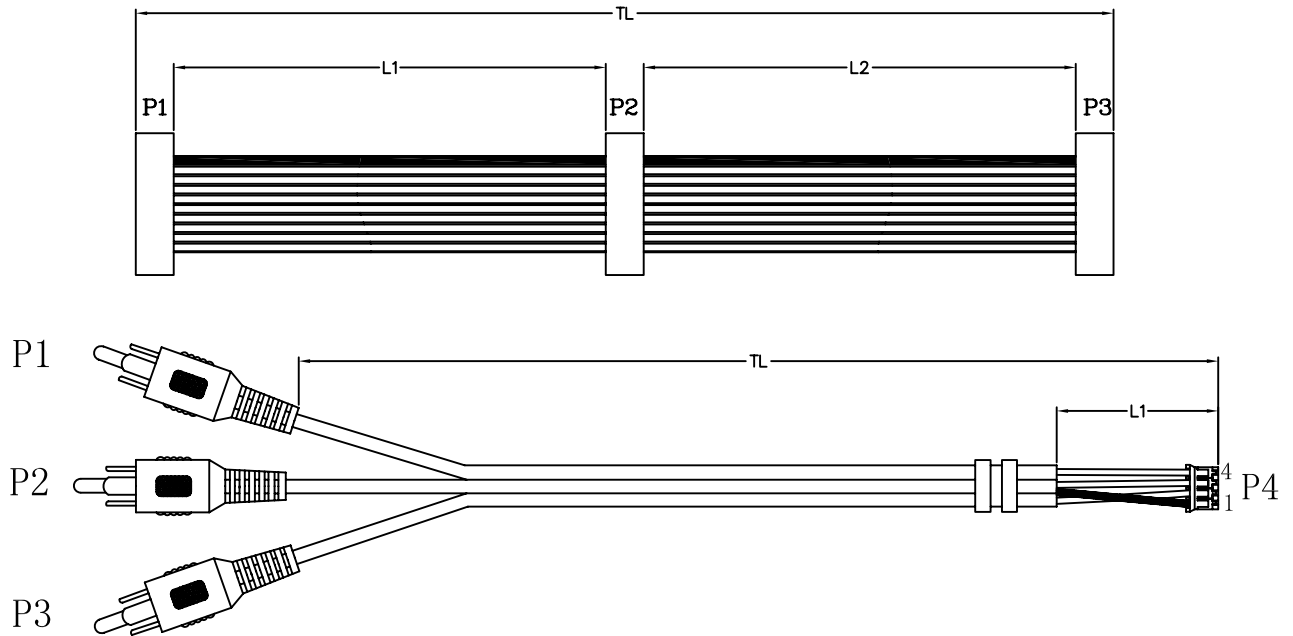
Pitch	Available cores
0.635	10 ; 20 ; 30 ; 40 ; 50 ; 68 ; 80 ; 100
1.0	8 ; 10 ; 12 ; 14 ; 16 ; 18 ; 20 ; 24 ; 26 ; 30 ; 34 ; 36 ; 40 ; 50 ; 60 ; 64 ; 68
1.27	9 ; 10 ; 12 ; 14 ; 16 ; 18 ; 20 ; 24 ; 26 ; 30 ; 34 ; 36 ; 40 ; 44 ; 50 ; 60 ; 64
	* 1.27mm Flat Cable available in AWG 26 - 7/0.16mm * 1.27mm Flat Cable available in color cores (ten colors) with UL20029 grade * 0.635mm Flat Cable available with UL20674 grade



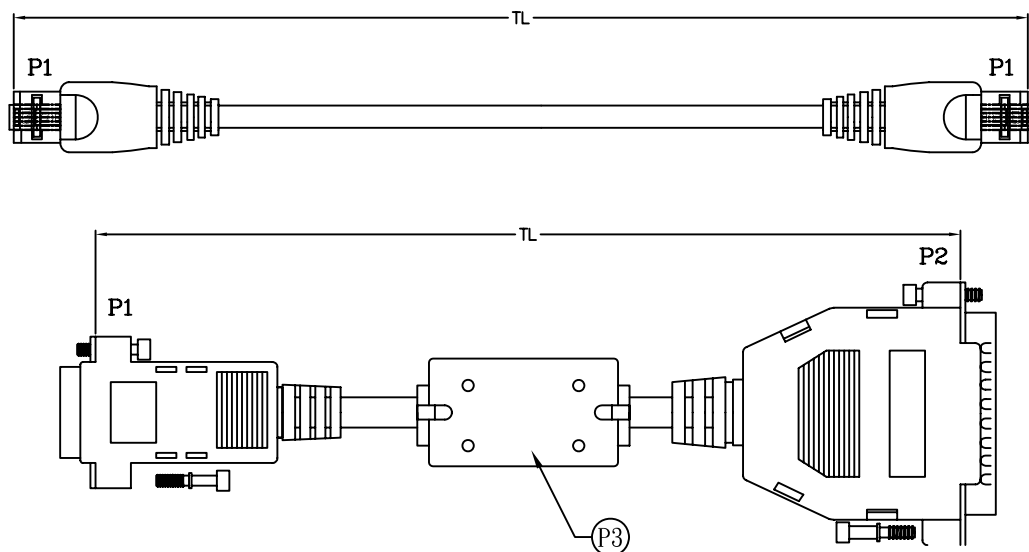
Cable Assembly (Flat/Round Cable)

■ Detail Dimensions

Flat Cable examples



Round Cable examples



*Note : All cables are custom-made, please offer below details with a spec. sheet or sketch will be preferred!
If you need any further information about cables, please contact our sales rep. for details, thanks!

CONNECTOR	CABLE	LENGTH	PIN Assignment
P1: _____	UL No. : _____	TL: _____	
P2: _____	OD size: _____	L1: _____	
P3: _____	COLOR : _____	L2: _____	
P4: _____	Other : _____	L3: _____	
P5: _____	Other : _____	L4: _____	



1.27x1.27mm IDC Connector (for 0.635mm Flat Cable)

MATERIAL

Insulator : Polyester

Contact Pin : Copper Alloy

SPECIFICATION

Current Rate : 0.5 AMP

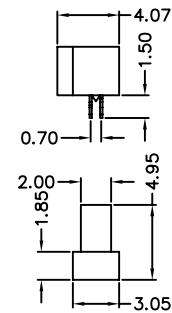
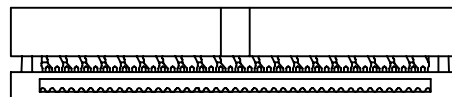
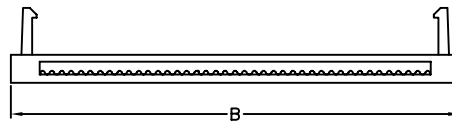
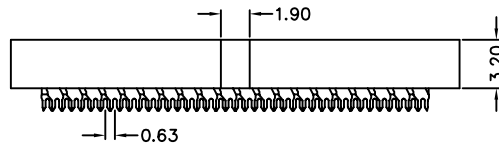
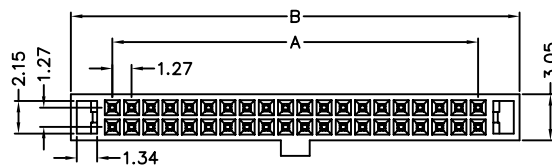
Insulation Resistance : 1000MΩMin. at DC 500V

Contact Resistance : 10mΩMax. at DC 100mA

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



Detail Dimensions



Order Information

977-31 - xx 3 2 x 4
1 2

Standard Parts	Type
977-31-xx3204	with Bump ; w/o SR

1. No. of contacts
2. 0: Selective Plating
2: Gold Flash

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	Poles	DIM A	DIM B	Poles	DIM A	DIM B							
6	2.54	8.00	30	17.78	23.24	80	49.53	54.99							
8	3.81	9.27	34	20.32	25.78										
10	5.08	10.54	40	24.13	29.59										
12	6.35	11.81	44	26.67	32.13										
16	8.89	14.35	50	30.48	35.94										
20	11.43	16.89	60	36.83	42.29										
26	15.24	20.70	68	41.91	47.37										



1.27x2.54mm IDC Connector (for 0.635mm Flat Cable)

MATERIAL

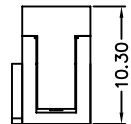
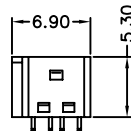
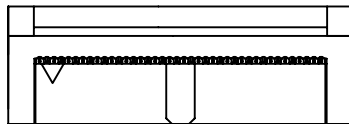
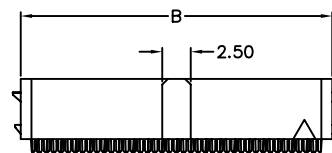
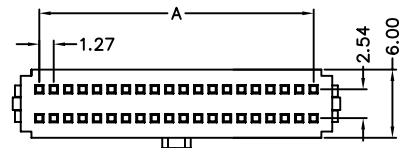
Insulator : Polyester
Contact Pin : Copper Alloy

SPECIFICATION

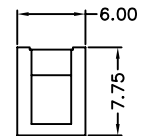
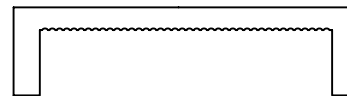
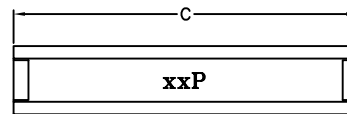
Current Rate : 1 AMP
Insulation Resistance : 500MΩMin. at DC 500V
Contact Resistance : 30mΩMax. at DC 100mA
Operation Temperature : -40°C to +85°C



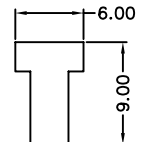
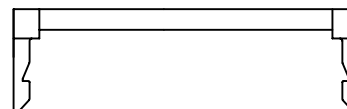
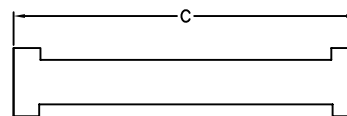
Detail Dimensions



COVER



STRAIN RELIEF



Order Information

977-41 - xx 3 x x 1
1 2 3

Standard Parts	Type
977-41-xx3201	with Bump ; w/o SR
977-41-xx3301	with Bump ; with SR

1. No. of contacts
2. 2: without Strain Relief
3: with Strain Relief
3. 0: Selective Plating
2: Gold Flash

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C	Poles	DIM A	DIM B	DIM C								
10	5.08	8.45	11.35	50	30.48	33.85	36.75								
16	8.89	12.26	15.16	60	36.83	40.20	43.10								
20	11.43	14.80	17.70	68	41.91	45.28	48.18								
26	15.24	18.61	21.51	80	49.53	52.90	55.80								
30	17.78	21.15	24.05	100	62.23	65.60	68.50								
34	20.32	23.69	26.59												
40	24.13	27.50	30.40												



2.0mm IDC Connector (for 1.0mm Flat Cable)

MATERIAL

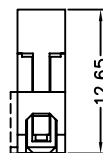
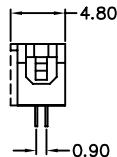
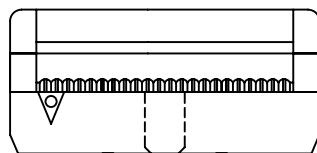
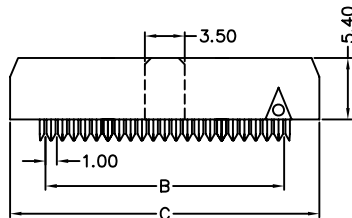
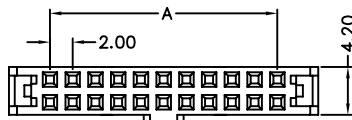
Insulator : Polyester
Contact Pin : Copper Alloy

SPECIFICATION

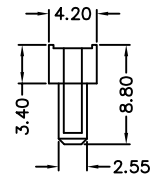
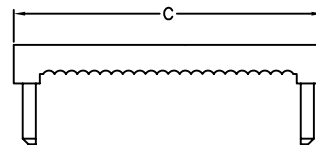
Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 15mΩMax. at DC 100mA
Operation Temperature : -40°C to +105°C



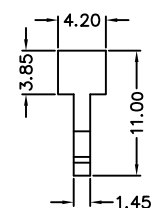
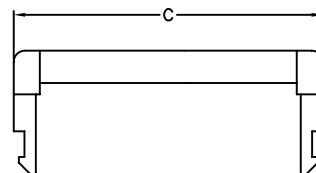
Detail Dimensions



COVER



STRAIN RELIEF



Order Information

977-21 - xx x x x 2
1 2 3 4

1. No. of contacts
2. 3: with Bump
4: without Bump
3. 2: without Strain Relief
3: with Strain Relief
4. 0: Selective Plating
2: Gold Flash

Standard Parts	Type
977-21-xx3202	with Bump ; w/o SR
977-21-xx3302	with Bump ; with SR
977-21-xx4202	w/o Bump ; w/o SR
977-21-xx4302	w/o Bump ; with SR

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C	Poles	DIM A	DIM B	DIM C	Poles	DIM A	DIM B	DIM C	Poles	DIM A	DIM B	DIM C
6	4.00	5.00	11.20	20	18.00	19.00	25.20	34	32.00	33.00	39.20	54	52.00	53.00	59.20
8	6.00	7.00	13.20	22	20.00	21.00	27.20	36	34.00	35.00	41.20	56	54.00	55.00	61.20
10	8.00	9.00	15.20	24	22.00	23.00	29.20	38	36.00	37.00	43.20	60	58.00	59.00	65.20
12	10.00	11.00	17.20	26	24.00	25.00	31.20	40	38.00	39.00	45.20	62	60.00	61.00	67.20
14	12.00	13.00	19.20	28	26.00	27.00	33.20	44	42.00	43.00	49.20	64	62.00	63.00	69.20
16	14.00	15.00	21.20	30	28.00	29.00	35.20	48	46.00	47.00	53.20	68	66.00	67.00	73.20
18	16.00	17.00	23.20	32	30.00	31.00	37.20	50	48.00	49.00	55.20	80	78.00	79.00	85.20



2.54mm IDC Connector (for 1.27mm Flat Cable)

MATERIAL

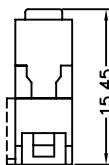
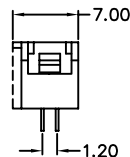
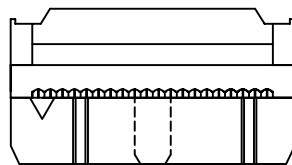
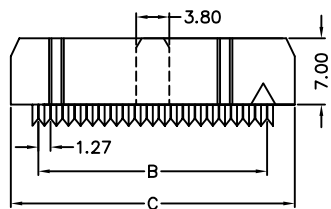
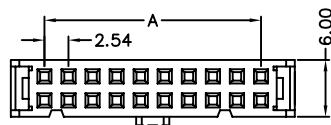
Insulator : Polyester
Contact Pin : Copper Alloy

SPECIFICATION

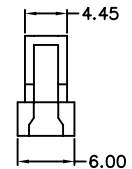
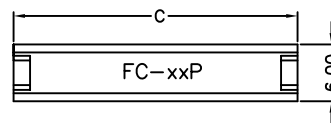
Current Rate : 1 AMP
Insulation Resistance : 1000MΩMin. at DC 500V
Contact Resistance : 15mΩMax. at DC 100mA
Operation Temperature : -40°C to +105°C



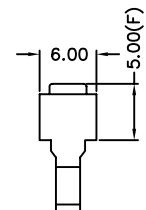
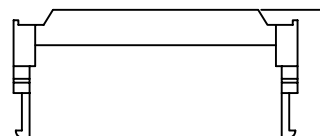
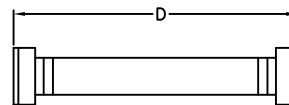
Detail Dimensions



COVER



STRAIN RELIEF



Order Information

977-11 - xx x x x 3
1 2 3 4

1. No. of contacts
2. 3: with Bump
4: without Bump
3. 6: without Strain Relief
7: with Strain Relief
4. 0: Selective Plating
2: Gold Flash

Standard Parts	Type
977-11-xx3603	with Bump ; w/o SR
977-11-xx3703	with Bump ; with SR
977-11-xx4603	w/o Bump ; w/o SR
977-11-xx4703	w/o Bump ; with SR

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C	DIM D	Poles	DIM A	DIM B	DIM C	DIM D	Poles	DIM A	DIM B	DIM C	DIM D
8	7.62	8.89	14.86	14.66	24	27.94	29.21	35.18	34.98	* 50	60.96	62.23	68.20	68.40
10	10.16	11.43	17.40	17.20	26	30.48	31.75	37.72	37.52	60	73.66	74.93	80.90	80.70
12	12.70	13.97	19.94	19.74	* 30	35.56	36.83	42.80	42.80	64	78.74	80.01	85.98	85.78
14	15.24	16.51	22.48	22.28	34	40.64	41.91	47.88	47.68	* E=13.45 F=4.85				
16	17.78	19.05	25.02	24.82	36	43.18	44.45	50.42	50.22					
18	20.32	21.59	27.56	27.36	40	48.26	49.53	55.50	55.30					
20	22.86	24.13	30.10	29.90	44	53.34	54.61	60.58	60.38					



2.0mm Dip Plug (for 1.0mm Flat Cable)

MATERIAL

Insulator : Polyester

Contact Pin : Phosphor Bronze

SPECIFICATION

Current Rate : 1 AMP

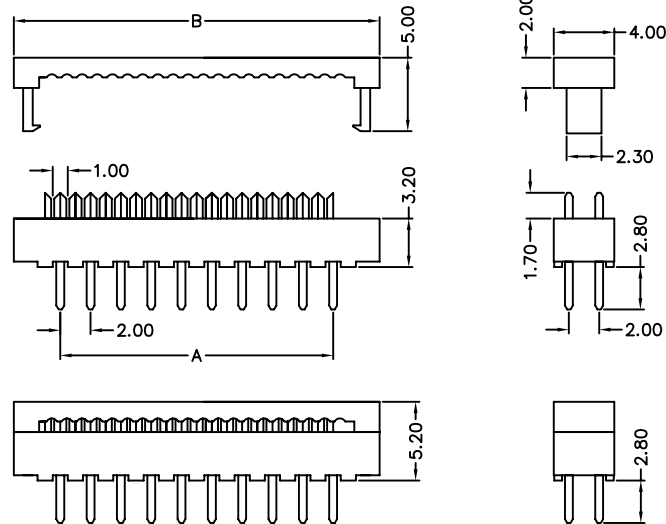
Insulation Resistance : 1000MΩMin. at DC 500V

Contact Resistance : 10mΩMax. at DC 100mA

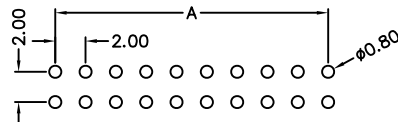
Operation Temperature : -55°C to +105°C



Detail Dimensions



Recommended P.C.B Layout



Order Information

978-21- xx 01 x 1
1 2

Standard Parts
978-21-xx0101

1. No. of contacts
2. 0: Tin Plating
2: Selective Plating

Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	Poles	DIM A	DIM B	Poles	DIM A	DIM B	Poles	DIM A	DIM B				
8	6.00	12.16	22	20.00	26.16	36	34.00	40.16	56	54.00	60.16				
10	8.00	14.16	24	22.00	28.16	38	36.00	42.16	60	58.00	64.16				
12	10.00	16.16	26	24.00	30.16	40	38.00	44.16	62	60.00	66.16				
14	12.00	18.16	28	26.00	32.16	44	42.00	48.16	64	62.00	68.16				
16	14.00	20.16	30	28.00	34.16	48	46.00	52.16	68	66.00	72.16				
18	16.00	22.16	32	30.00	36.16	50	48.00	54.16							
20	18.00	24.16	34	32.00	38.16	54	52.00	58.16							



2.54mm Dip Plug (for 1.27mm Flat Cable)

MATERIAL

Insulator : Polyester

Contact Pin : Phosphor Bronze

SPECIFICATION

Current Rate : 1 AMP

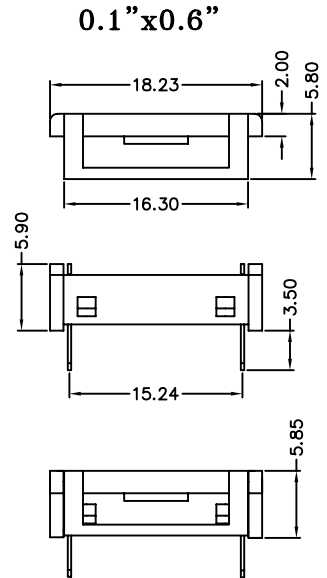
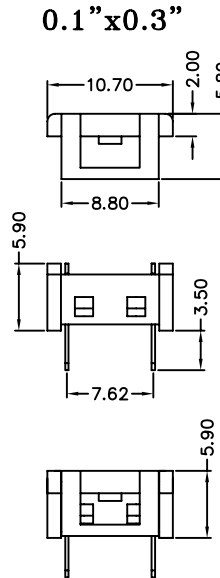
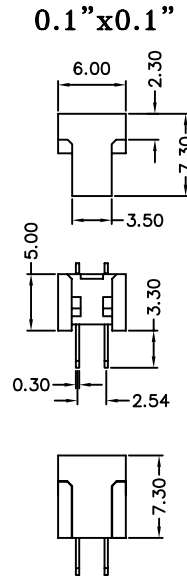
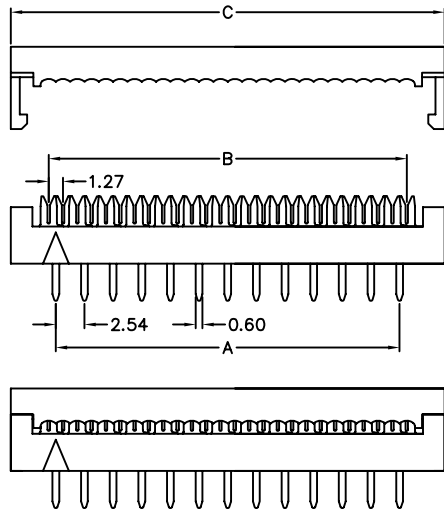
Insulation Resistance : 1000MΩMin. at DC 500V

Contact Resistance : 10mΩMax. at DC 100mA

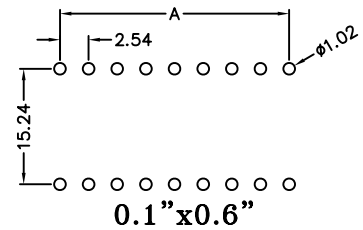
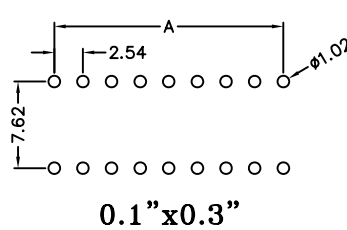
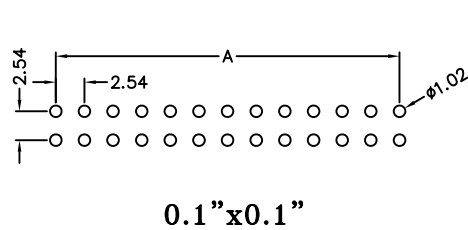
Operation Temperature : -55°C to +105°C



Detail Dimensions



Recommended P.C.B Layout

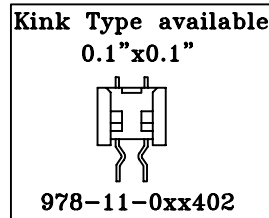


Order Information

978-11- x xx 1 x 2
1 2 3

1. 1: 0.1"x0.1"
- 3: 0.1"x0.3"
- 6: 0.1"x0.6"
2. No. of contacts
3. 0: Tin Plating
- 2: Selective Plating

Standard Parts
978-11-1xx102
978-11-3xx102
978-11-6xx102



Number Of Contacts

Unit: mm

Poles	DIM A	DIM B	DIM C	Poles	DIM A	DIM B	DIM C	Poles	DIM A	DIM B	DIM C	Poles	DIM A	DIM B	DIM C
106	5.08	6.35	13.07	120	22.86	24.13	30.85	150	60.96	62.23	68.95	340	48.26	49.53	56.12
108	7.62	8.89	15.61	124	27.94	29.21	35.93	160	73.66	74.93	81.65	624	27.94	29.21	35.80
110	10.16	11.43	18.15	126	30.48	31.75	38.47	164	78.74	80.01	86.73	628	33.02	34.29	40.88
112	12.70	13.97	20.69	130	35.56	36.83	43.55	324	27.94	29.21	35.80	632	38.10	39.37	45.96
114	15.24	16.51	23.23	134	40.64	41.91	48.63	328	33.02	34.29	40.88	636	43.18	44.45	51.04
116	17.78	19.05	25.77	136	43.18	44.45	51.17	332	38.10	39.37	45.96	640	48.26	49.53	56.12
118	20.32	21.59	28.31	140	48.26	49.53	56.25	336	43.18	44.45	51.04				