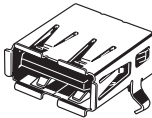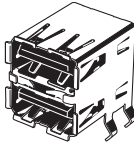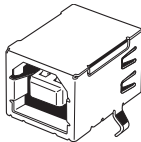### New, Compact, USB-Compliant Interface Connectors.

- Enables hot swapping so equipment can remain ON.
- Superior bend resistance during Connector insertion and removal.
- A-type Sockets connect to personal computers and USB hubs. B-type Sockets connect to a modem, scanner, mouse, or other personal computer peripheral devices.

■ Ordering Information

Sockets

Type Item	Single-row A-type Sockets	Double-row A-type Sockets	B Sockets
Appearance	With right-angle DIP kinked terminals	With right-angle DIP kinked terminals	With right-angle DIP kinked terminals
Model	XM7A-0442	XM7A-0442-A	XM7B-0442
Order in multiples of	150	120	150

■ Ratings and Characteristics

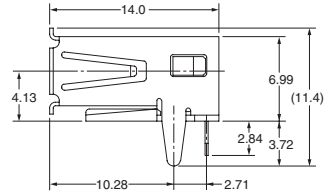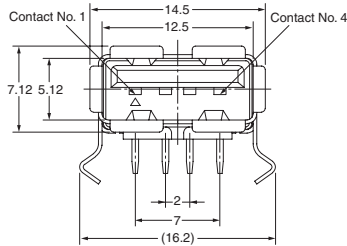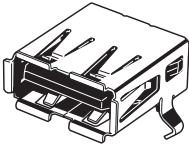|	
Rated current	1 A
Rated voltage	30 VAC
Contact resistance	30 m Ω max. (at 20 mV, 100 mA max. (excluding cable conductor resistance))
Insulation resistance	1,000 M Ω min. (at 500 VDC)
Withstand voltage	750 VAC for 1 min (leakage current: 0.5 mA max.)
Connector insertion	35.3 N max.
Connector removal	10 N min.
Insertion durability	1,500 times
Ambient temperature	Operating: - 40 to 60°C (with no icing)

■ Materials and Finish

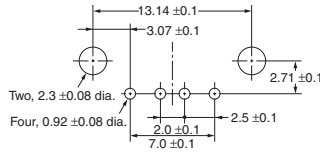| Classification		Sockets	
Item	Type	A-type Sockets	B-type Sockets
Housing		Fiber-glass reinforced PBT resin (UL94V-0)/black	Fiber-glass reinforced PBT resin (UL94V-0)/white
Contacts	Mating end	Phosphor bronze/nickel base, 0.76-mm gold plating	
	Terminals	Phosphor bronze/nickel base, tin plated	
Shell		Phosphor bronze/tin plated	

■ Dimensions (Unit: mm)

XM7A-0442
Single-row A-type Sockets

Contact No. 1   14.5   Contact No. 4
12.5
7.12 5.12

2
7
(16.2)

14.0
4.13
6.99
(11.4)
2.84 3.72
10.28   2.71

Mounting holes (t = 1.6 mm, bottom view)

13.14 ±0.1
3.07 ±0.1
2.71 ±0.1
Two, 2.3 ±0.08 dia.
Four, 0.92 ±0.08 dia.
2.0 ±0.1
2.5 ±0.1
7.0 ±0.1

Connectors

XM7A-0442-A
Double-row A-type Sockets
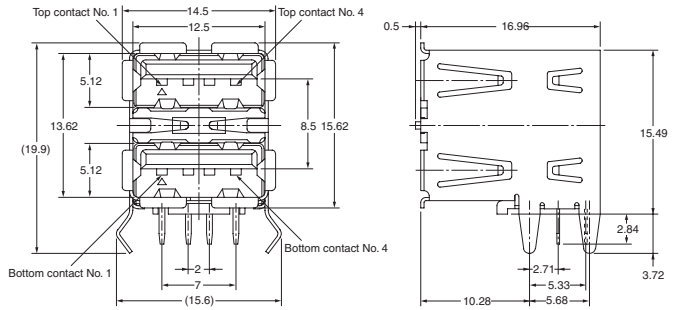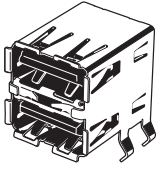
Top contact No. 1
Top contact No. 4
14.5
12.5
0.5
16.96
5.12
13.62
8.5 15.62
15.49
(19.9)
5.12
2.84
3.72
Bottom contact No. 4
Bottom contact No. 1
2
2.71
7
5.33
(15.6)
10.28
5.68

Mounting holes (t = 1.6 mm, bottom view)

13.14 ±0.1
3.07 ±0.1
Four, 2.3 ±0.08 dia.
2.71 ±0.1
5.68 ±0.1
5.33 ±0.1
Eight, 0.92 ±0.08 dia.
2.0 ±0.1
7.0 ±0.1

XM7B-0442
B-type Sockets

Contact No. 2
12.04
Contact No. 1
8.45
5.5
16
2 1
3.1 7.78
10.62
11
3 4
(14.7)
2.91
Contact No. 3
Contact No. 4
2.5
10.28
(15.2)
2.71 2

Mounting holes (t = 1.6 mm, bottom view)

12.04 ±0.1
2.71 ±0.1
2 ±0.1
Two, 2.3 ±0.08 dia.
4.77 ±0.1
Four, 0.92 ±0.08 dia.
2.5 ±0.1
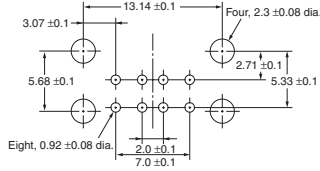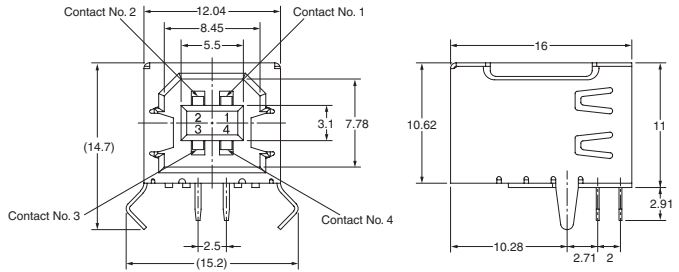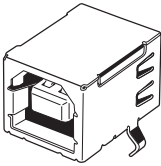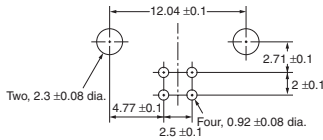
■ Precautions

Soldering

Automated Soldering Conditions (Jet Flow)

1. Soldering temperature: 250 ±5°C

2. Continuous soldering time: Within 5 s