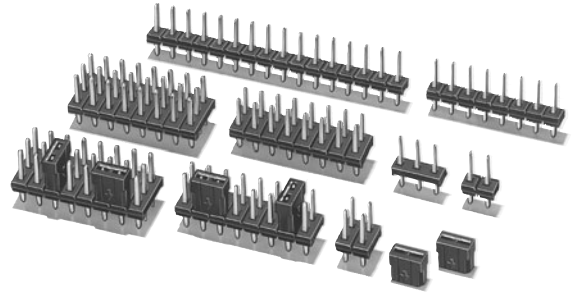


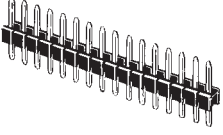
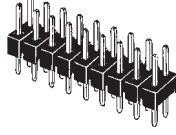
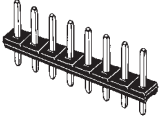
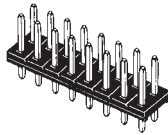
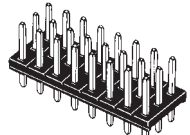

Low-profile Circuit Jumper Connectors

- Low profiles that are only 5.8 mm (XJ8) and 6.8 mm (XG8S/T) high on the board.
- 2.54-mm high-density grid can be mounted horizontally or vertically.
- From Single-row up to Triple-row Connectors.
- Through-holes handle 0.8-mm wires.
- Designed for easy insertion and protection against accidental removal.
- Highly-reliable 2-point contacts.
- Thin Plug Housing (XJ8) employs flame-resistant PPS resin.
- XJ8 Connectors conform to UL standards (file no. E103202).



RoHS Compliant

Connectors

Model	XG8S	XG8T	XJ8B	XJ8C	XJ8D	XJ8A
Appearance	Single-row Plugs 	Double-row Plugs 	Single-row Plugs 	Double-row Plugs 	Triple-row Plugs 	Jumper Socket 
Page	2	3	4			6

Ratings and Characteristics

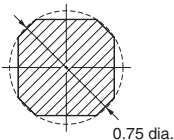
Item	Gold plating	Tin plating
Rated voltage	2 A	
Rated current	300 VAC	
Contact resistance	20 mΩ max. (at 20 mV, 100 mA max.)	
Insulation resistance	1,000 MΩ min. (at 500 VDC)	
Dielectric strength	750 VAC for 1 min (leakage current: 1 mA max.)	
Total insertion force (See note.)	1.96 N max.	7.85 N max.
Total removal force (See note.)	0.39 N min.	0.98 N min.
Insertion durability	50 times	20 times
Ambient operating temperature	Operating: - 55 to 105°C (with no icing)	

Note: Insertion and removal force are for the XJ8A.

Materials and Finish

Item	XJ8A	XJ8B/C/D	XG8S/T
Housing	Fiber-glass reinforced PBT resin (UL94V-0)/black or natural	Fiber-glass reinforced PPS resin (UL94V-0)/black	Fiber-glass reinforced PBT resin (UL94V-0)/black
Contacts	Phosphor bronze/nickel base, 0.15-μm gold plating	Brass/nickel base, 0.15-μm gold plating (See note.)	Brass/nickel base, 0.15-μm gold plating
	Phosphor bronze/nickel base, 2.0-μm tin plating	---	Brass/nickel base, 2.0-μm tin plating

Cross-sectional View of Terminal

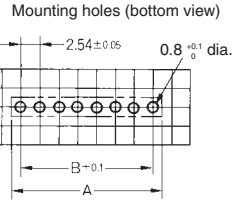
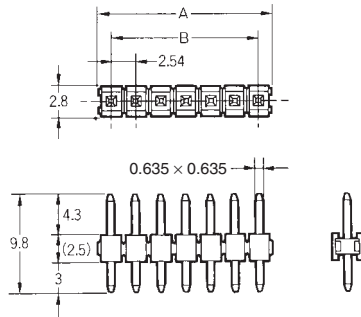
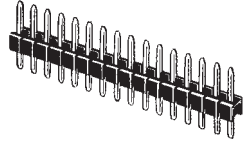


XG8S Single-row Jumper Plugs

■ Dimensions

(unit: mm)

XG8S-□□31 (gold plating)
XG8S-□□41 (tin plating)



Dimensions

No. of contacts	Dimensions (mm)	
	A	B
2	5.1	2.54
3	7.6	5.08
4	10.2	7.62
6	15.2	12.70
8	20.3	17.78
16	40.6	38.10
18	45.7	43.18

■ Ordering Information

No. of contacts	Model Plugs with straight terminals	
	Model (gold plating)	Model (tin plating)
2	XG8S-0231	XG8S-0241
3	XG8S-0331	XG8S-0341
4	XG8S-0431	XG8S-0441
6	XG8S-0631	---
8	XG8S-0831	XG8S-0841
16	XG8S-1631	XG8S-1641
18	XG8S-1831	---