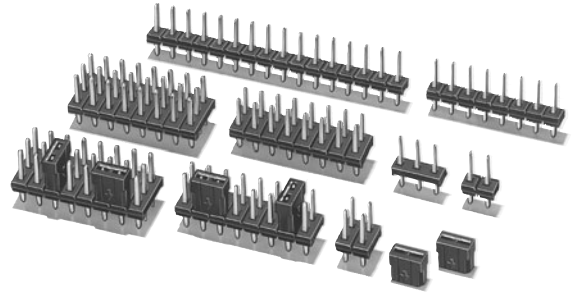


Low-profile Circuit Jumper Connectors

- 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

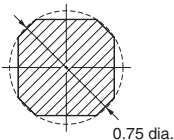
Item	Gold plating	Tin plating
Rated voltage	2 A	
Rated current	300 VAC	
Contact resistance	20 mΩ max. (at 20 mV, 100 mA max.)	
Insulation resistance	1,000 MΩ min. (at 500 VDC)	
Dielectric strength	750 VAC for 1 min (leakage current: 1 mA max.)	
Total insertion force (See note.)	1.96 N max.	7.85 N max.
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



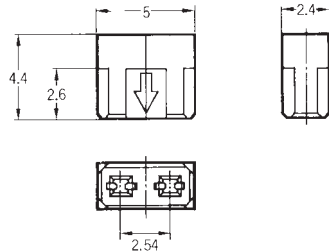
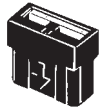
XJ8A Jumper Socket

■ Dimensions

(unit: mm)

Jumper Socket

- XJ8A-0211 (gold plating/black)
- XJ8A-0241 (tin plating/black)
- XJ8A-0214 (gold plating/natural)



■ Ordering Information

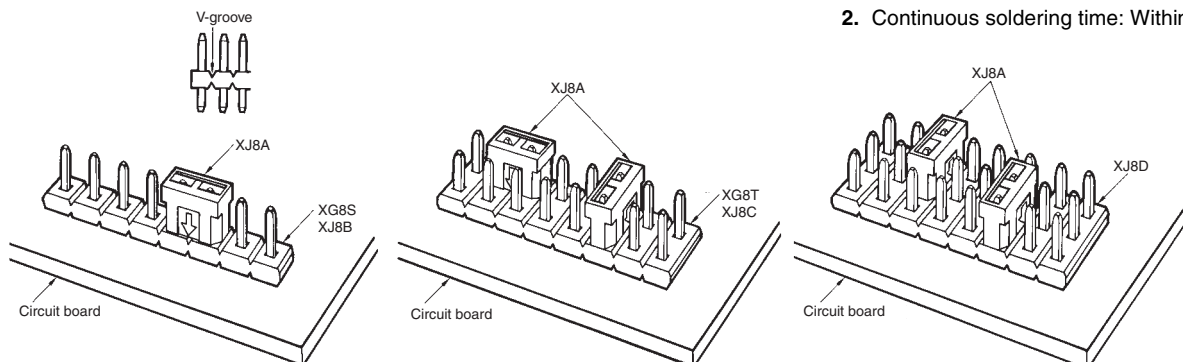
No. of contacts	Type		
	Plating	Housing color	Model
2	Gold plating	Black	XJ8A-0211
	Tin plating	Black	XJ8A-0241
	Gold plating	Natural	XJ8A-0214

■ Precautions

Correct Use

- Plugs can be easily cut along the V-groove.
- Jumper Socket should be inserted so that the arrow points down.

Mounting Example



Automated Soldering Conditions (Jet Flow)

1. Soldering temperature: 250 ±5°C
2. Continuous soldering time: Within 5 s

• Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.
 • Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

Note: Do not use this document to operate the Unit.

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