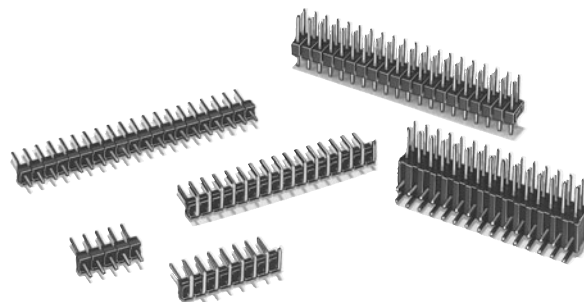


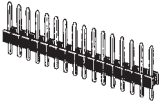
Original Plug that can be used in a wide range of applications.

- Can use as a Plug for different Sockets.
Applicable Sockets:
XG4M Flat Cable Connector
XG5 Discrete-wire IDC Connector
- Through-holes handle 0.8-mm wires.
- With Double-row Plugs with right-angle terminals, block-base soldering improves productivity while lock levers simplify locking (excluding XG8V and XG8W Plugs with straight terminals).
- Simply cut to divide (excluding XG8W Right-angle Plugs).
- Standard models are approved by UL standards (file No. E103202) (XG4A and XG8B only)



RoHS Compliant

Connectors For MIL Connectors

Model	XG8V		XG8W	
Appearance	Single-row plugs with straight terminals 	Single-row plugs with right-angle terminals 	Double-row plugs with straight terminals 	Double-row plugs with right-angle terminals 
Page	2		3	
Model	XG8A		XG8B	
Appearance	Single-row plugs with straight terminals 	Single-row plugs with right-angle terminals 	Double-row plugs with straight terminals 	Double-row plugs with right-angle terminals 
Page	4			

Ratings and Characteristics

Rated current	3 A (See note 1.)
Rated voltage	300 VAC
Contact resistance	20 mΩ max. (at 20 mV, 100 mA max.) (See note 2.)
Insulation resistance	1,000 MΩ min. (at 500 VDC)
Dielectric strength	650 VAC for 1 min (leakage current: 1 mA max.)
Ambient operating temperature	Operating: -55 to 105°C (with no icing)

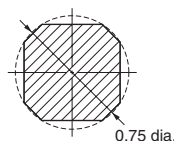
- Note:**
1. The rated current will depend on the Socket you are using. It is 1 A using the XG4M for example.
 2. The contact resistance is measured with the Plug mated to an XG5M-N.

Materials and Finish

Model	XG8V and XG8W (See note.)		XG8A and XG8B
Base	Fiber-glass reinforced PBT resin (UL94V-0)/black		
Contacts	Mating end	Brass/nickel base, 0.15-μm gold plating	Brass/nickel base, 0.15-μm gold plating
	Terminal	Brass/nickel base, 2.0-μm tin plating	Brass/nickel base, 2.0-μm tin plating

- Note:** Two types of contacts and mating ends, one with gold plating and the other with tin plating, are available.

Cross-sectional View of Terminal



Applicable Sockets

XG8W and XG8B (Double Row)	XG4M Flat Cable Connectors (Sockets) XG4H Board-to-Board Connectors (Sockets) XG5M-N Discrete-wire IDC Connectors (Double-row Sockets) XG5N Discrete-wire IDC Sockets
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XG8A (Single-row)/XG8B (Double-row)

Original Plugs for MIL Connectors

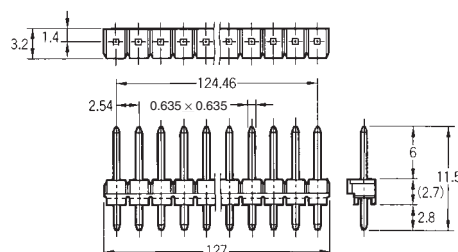
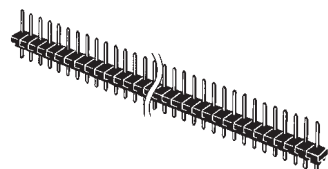
■ Dimensions

(Unit: mm)

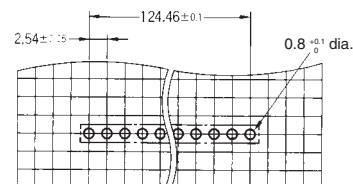
Single-row Plugs

XG8A-5031

(With straight terminals)

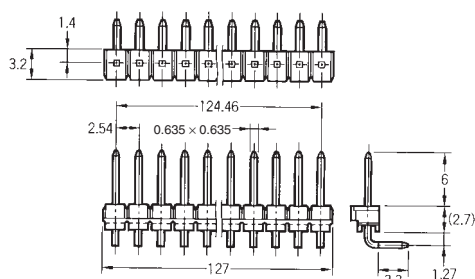
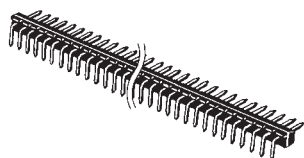


Mounting holes (bottom view)

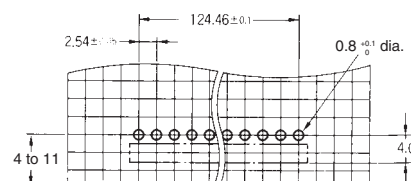


XG8A-5034

(With right-angle terminals)



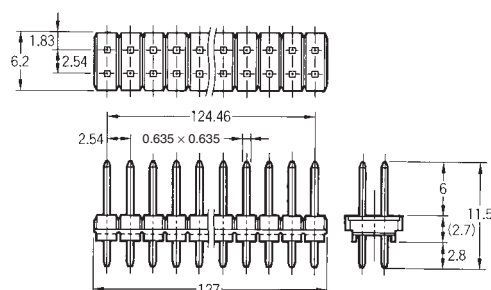
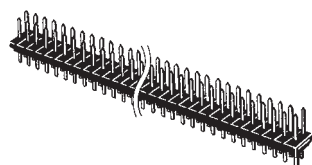
Mounting holes (bottom view)



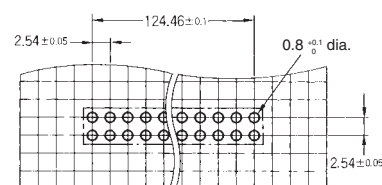
Double-row Plugs

XG8B-0131

(With straight terminals)

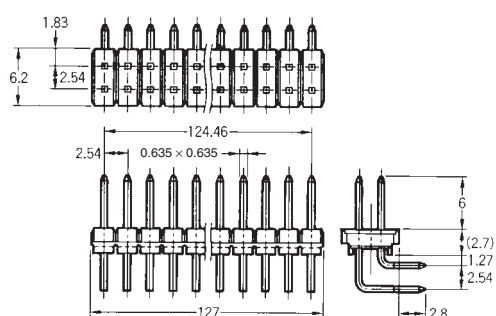
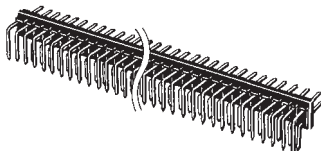


Mounting holes (bottom view)

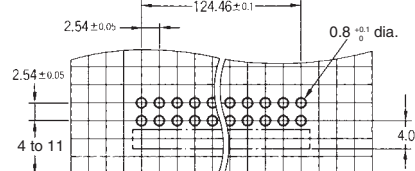


XG8B-0134

(With right-angle terminals)



Mounting holes (bottom view)



■ Ordering Information

Terminal type	Plugs with straight terminals	Plugs with right-angle terminals
No. of contacts	Model (gold plated)	Model (gold plated)
50 (Single-row)	XG8A-5031	XG8A-5034
100 (Double-row)	XG8A-0131	XG8A-0134