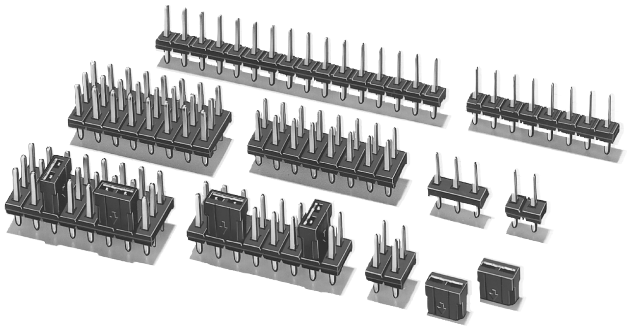
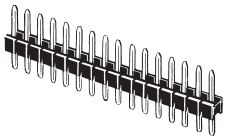
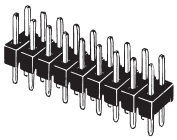
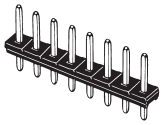
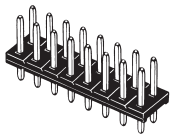
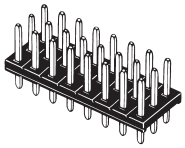
Header Plugs / Jumpers
XJ8/XG8S/XG8T

Low-profile Circuit Jumper Connectors

- Low profiles of 5.8 mm (XJ8) and 6.8 mm (XG8S/T).
- 2.54-mm grid can be mounted horizontally or vertically.
- Chose from Single-row, Double-row or Triple-row Connectors.
- Designed for easy insertion and protection against accidental removal.
- Highly-reliable Jumper with 2-point contacts (XJ8A).
- All versions employ flame-resistant materials for base and housing.
- XJ8 Connectors conform to UL standards (file no. E103202) and CSA standards (file no. LR 62678).



Header Plugs / Jumpers

Model	XG8S	XG8T	XJ8B	XJ8C	XJ8D	XJ8A
Appearance	Single-row	Double-row	Single-row	Double-row	Triple-row	Jumper
						

■ 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)	
Withstand voltage	750 VAC for 1 min (leakage current: 1 mA max.)	
Insertion force (See note.)	200 gf (1.96 N) max.	800 gf (7.85 N) max.
Removal force (See note.)	40 gf (0.39 N) min.	100 gf (0.98 N) min.
Insertion durability	50 times	20 times
Ambient 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
Base	Fiber-glass reinforced PBT resin (UL94V-0)/black	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, tin plating	---	Brass/nickel base, tin plating

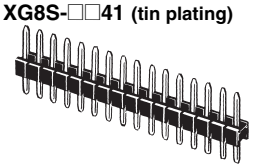
Note: For non-standard plating, contact your OMRON representative.

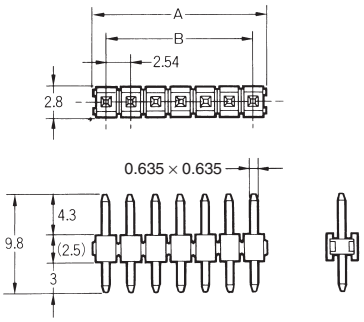
XG8S / XG8T - Headers / Jumper Plugs

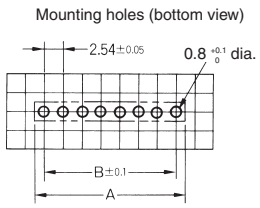
Dimensions

■ XG8S - Single Row

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



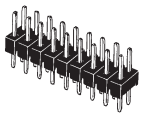


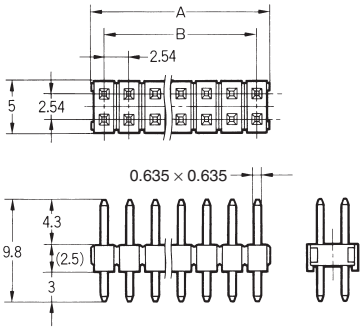


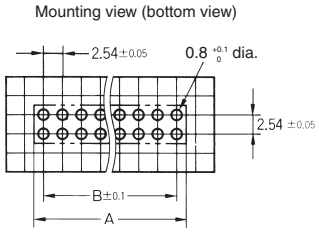
No. of contacts	Dimensions (mm)	
	A	B
2	5.1	2.54
3	7.6	5.08
4	10.2	7.62
6	15.2	12.70
8	20.3	17.78
16	40.6	38.10
18	45.7	43.18

■ XG8T - Double Row

XG8T-□□31 (gold plating)
XG8T-□□41 (tin plating)

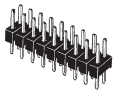






No. of contacts	Dimensions (mm)	
	A	B
2	2.5	---
4	5.1	2.54
6	7.6	5.08
8	10.2	7.62
10	12.7	10.16
12	15.2	12.70
14	17.8	15.24
16	20.3	17.78
18	22.9	20.32
20	25.4	22.86

Ordering Information

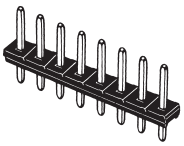
Model	XG8S (Single Row)		XG8T (Double Row)	
				
No. of contacts	Model (gold plating)	Model (tin plating)	Model (gold plating)	Model (tin plating)
2	**XG8S-0231**	**XG8S-0241**	**XG8T-0231**	**XG8T-0241**
3	**XG8S-0331**	**XG8S-0341**	---	---
4	**XG8S-0431**	**XG8S-0441**	**XG8T-0431**	**XG8T-0441**
6	**XG8S-0631**	---	**XG8T-0631**	**XG8T-0641**
8	**XG8S-0831**	**XG8S-0841**	**XG8T-0831**	**XG8T-0841**
10	---	---	**XG8T-1031**	**XG8T-1041**
12	---	---	**XG8T-1231**	**XG8T-1241**
14	---	---	**XG8T-1431**	**XG8T-1441**
16	**XG8S-1631**	**XG8S-1641**	**XG8T-1631**	**XG8T-1641**
18	**XG8S-1831**	---	**XG8T-1831**	**XG8T-1841**
20	---	---	**XG8T-2031**	**XG8T-2041**

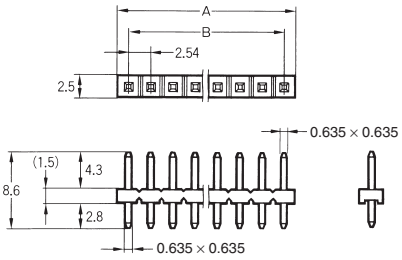
XJ8B/XJ8C/XJ8D - Low-profile Single-, Double-, and Triple-row Jumper Plugs

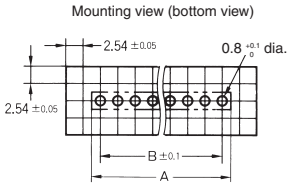
Dimensions

■ XJ8B - Single Row

XJ8B-□□11



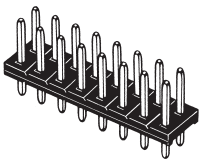


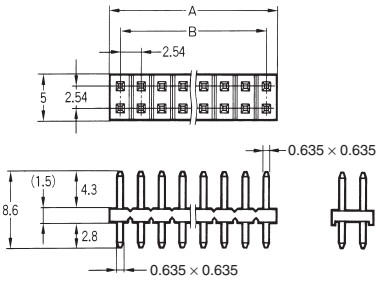


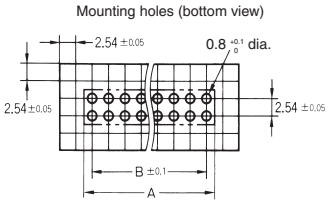
No. of contacts	Dimensions (mm)	
	A	B
2	5.1	2.54
3	7.6	5.08
4	10.2	7.62
8	20.3	17.78
16	40.6	38.10

■ XJ8C - Double Row

XJ8C-□□11



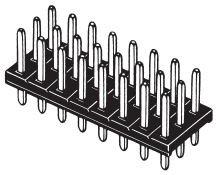


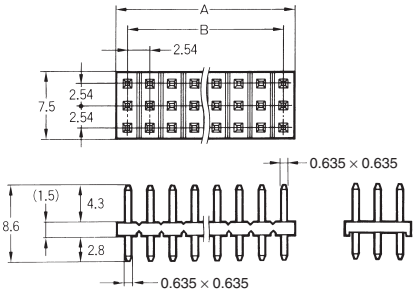


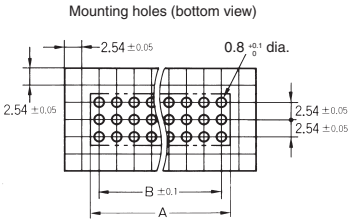
No. of contacts	Dimensions (mm)	
	A	B
2	2.5	---
4	5.1	2.54
6	7.6	5.08
8	10.2	7.62
10	12.7	10.16
12	15.2	12.70
14	17.8	15.24
16	20.3	17.78

■ XJ8D - Triple Row

XJ8D-□□11

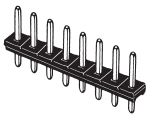
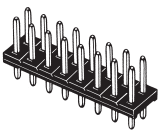
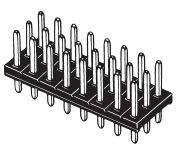






No. of contacts	Dimensions (mm)	
	A	B
3	2.5	---
6	5.1	2.54
9	7.6	5.08
12	10.2	7.62
15	12.7	10.16
18	15.2	12.70
21	17.8	15.24
24	20.3	17.78

Ordering Information

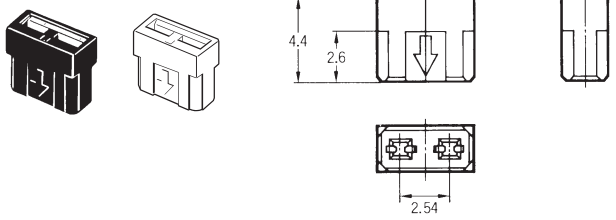
XJ8B (Single Row)		XJ8B (Double Row)		XJ8B (Triple Row)	
					
No. of contacts	**Model (gold plated)**	**No. of contacts**	**Model (gold plated)**	**No. of contacts**	**Model (gold plated)**
2	**XJ8B-0211**	2	**XJ8C-0211**	3	**XJ8D-0311**
3	**XJ8B-0311**	4	**XJ8C-0411**	6	**XJ8D-0611**
4	**XJ8B-0411**	6	**XJ8C-0611**	9	**XJ8D-0911**
8	**XJ8B-0811**	8	**XJ8C-0811**	12	**XJ8D-1211**
16	**XJ8B-1611**	10	**XJ8C-1011**	15	**XJ8D-1511**
		12	**XJ8C-1211**	18	**XJ8D-1811**
		14	**XJ8C-1411**	21	**XJ8D-2111**
		16	**XJ8C-1611**	24	**XJ8D-2411**

XJ8A Jumper Socket

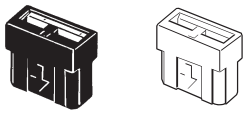
Dimensions

■ **XJ8A**

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



Ordering Information

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

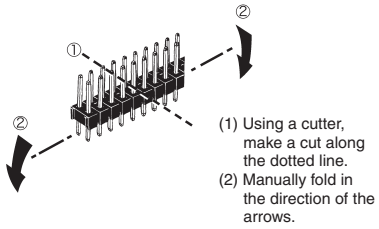
Precautions

■ Correct Use

Dividing the XJ8 / XG8S / XG8T

The above mentioned models may have the number of terminals and rows reduced prior to pcb assembly, using the following method:

- Plugs can be easily cut along the V-groove. Using a Cutter, make a cut on the slot as indicated by the dotted line in the diagram. Then fold the Plug manually in the direction of the arrows.

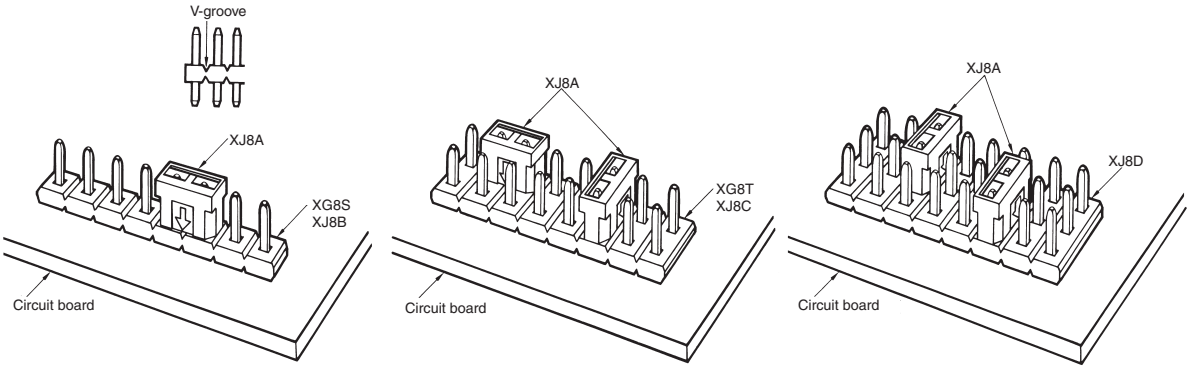


Automated Soldering Conditions (Jet Flow)

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

Mounting Example

- Jumper Socket should be inserted so that the arrow points down.



Omron Electronic Components, LLC

Terms and Conditions of Sales

I. GENERAL

1. Definitions: The words used herein are defined as follows.
   (a) Terms: These terms and conditions
   (b) Seller: Omron Electronic Components LLC and its subsidiaries
   (c) Buyer: The buyer of Products, including any end user in section III through VI
   (d) Products: Products and/or services of Seller
   (e) Including: Including without limitation
2. Offer: Acceptance: These Terms are deemed part of all quotations, acknowledgments, invoices, purchase orders and other documents, whether electronic or in writing, relating to the sale of Products by Seller. Seller hereby objects to any Terms proposed in Buyer's purchase order or other documents which are inconsistent with, or in addition to, these Terms.
3. Distributor: Any distributor shall inform its customer of the contents after and including section III of these Terms.

II. SALES

1. Prices; Payment: All prices stated are current, subject to change without notice by Seller. Buyer agrees to pay the price in effect at the time the purchase order is accepted by Seller. Payments for Products received are due net 30 days unless otherwise stated in the invoice. Buyer shall have no right to set off any amounts against the amount owing in respect of this invoice.
2. Discounts: Cash discounts, if any, will apply only on the net amount of invoices sent to Buyer after deducting transportation charges, taxes and duties, and will be allowed only if (a) the invoice is paid according to Seller's payment terms and (b) Buyer has no past due amounts owing to Seller.
3. Interest: Seller, at its option, may charge Buyer 1.5% interest per month or the maximum legal rate, whichever is less, on any balance not paid within the stated terms.
4. Orders: Seller will accept no order less than 200 U.S. dollars net billing.
5. Currencies: If the prices quoted herein are in a currency other than U.S. dollars, Buyer shall make remittance to Seller at the then current exchange rate most favorable to Seller; provided that if remittance is not made when due, Buyer will convert the amount to U.S. dollars at the then current exchange rate most favorable to Seller available during the period between the due date and the date remittance is actually made.
6. Governmental Approvals: Buyer shall be responsible for all costs involved in obtaining any government approvals regarding the importation or sale of the Products.
7. Taxes: All taxes, duties and other governmental charges (other than general real property and income taxes), including any interest or penalties thereon, imposed directly or indirectly on Seller or required to be collected directly or indirectly by Seller for the manufacture, production, sale, delivery, importation, consumption or use of the Products sold hereunder (including customs duties and sales, excise, use, turnover and license taxes) shall be charged to and remitted by Buyer to Seller.
8. Financial: If the financial position of Buyer at any time becomes unsatisfactory to Seller, Seller reserves the right to stop shipments or require satisfactory security or payment in advance. If Buyer fails to make payment or otherwise comply with these Terms or any related agreement, Seller may (without liability and in addition to other remedies) cancel any unshipped portion of Products sold hereunder and stop any Products in transit until Buyer pays all amounts, including amounts payable hereunder, whether or not then due, which are owing to it by Buyer. Buyer shall in any event remain liable for all unpaid accounts.
9. Cancellation; Etc: Orders are not subject to rescheduling or cancellation unless Buyer indemnifies Seller fully against all costs or expenses arising in connection therewith.
10. Force Majeure: Seller shall not be liable for any delay or failure in delivery resulting from causes beyond its control, including earthquakes, fires, floods, strikes or other labor disputes, shortage of labor or materials, accidents to machinery, acts of sabotage, riots, delay in or lack of transportation or the requirements of any government authority.
11. Shipping; Delivery: Unless otherwise expressly agreed in writing by Seller:
    (a) All sales and shipments of Products shall be FOB shipping point (unless otherwise stated in writing by Seller), at which point title to and all risk of loss of the Products shall pass from Seller to Buyer, provided that Seller shall retain a security interest in the Products until the full purchase price is paid by Buyer;
    (b) Delivery and shipping dates are estimates only; and
    (c) Seller will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
12. Claims: Any claim by Buyer against Seller for shortage or damage to the Products occurring before delivery to the carrier or any claim related to pricing or other charges must be presented in detail in writing to Seller within 30 days of receipt of shipment.

III. PRECAUTIONS

1. Suitability: IT IS THE BUYER'S SOLE RESPOINSIBILITY TO ENSURE THAT ANY OMRON PRODUCT IS FIT AND SUFFICIENT FOR USE IN A MOTORIZED VEHICLE APPLICATION. BUYER SHALL BE SOLELY RESPONSIBLE FOR DETERMINING APPROPRIATENESS OF THE PARTICULAR PRODUCT WITH RESPECT TO THE BUYER'S APPLICATION INCLUDING (A) ELECTRICAL OR ELECTRONIC COMPONENTS, (B) CIRCUITS, (C) SYSTEM ASSEMBLIES, (D) END PRODUCT, (E) SYSTEM, (F) MATERIALS OR SUBSTANCES OR (G) OPERATING ENVIRONMENT. Buyer acknowledges that it alone has determined that the Products will meet their requirements of the intended use in all cases. Buyer must know and observe all prohibitions of use applicable to the Product/s.
2. Use with Attention: The followings are some examples of applications for which particular attention must be given. This is not intended to be an exhaustive list of all possible use of any Product, nor to imply that any use listed may be suitable for any Product:
   (a) Outdoor use, use involving potential chemical contamination or electrical interference.
   (b) Use in consumer Products or any use in significant quantities.
   (c) Energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
   (d) Systems, machines, and equipment that could present a risk to life or property.
3. Prohibited Use: NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE PRODUCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.
4. Motorized Vehicle Application: USE OF ANY PRODUCT/S FOR A MOTORIZED VEHICLE APPLICATION MUST BE EXPRESSLY STATED IN THE SPECIFICATION BY SELLER.
5. Programmable Products: Seller shall not be responsible for the Buyer's programming of a programmable Product.

IV. WARRANTY AND LIMITATION

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