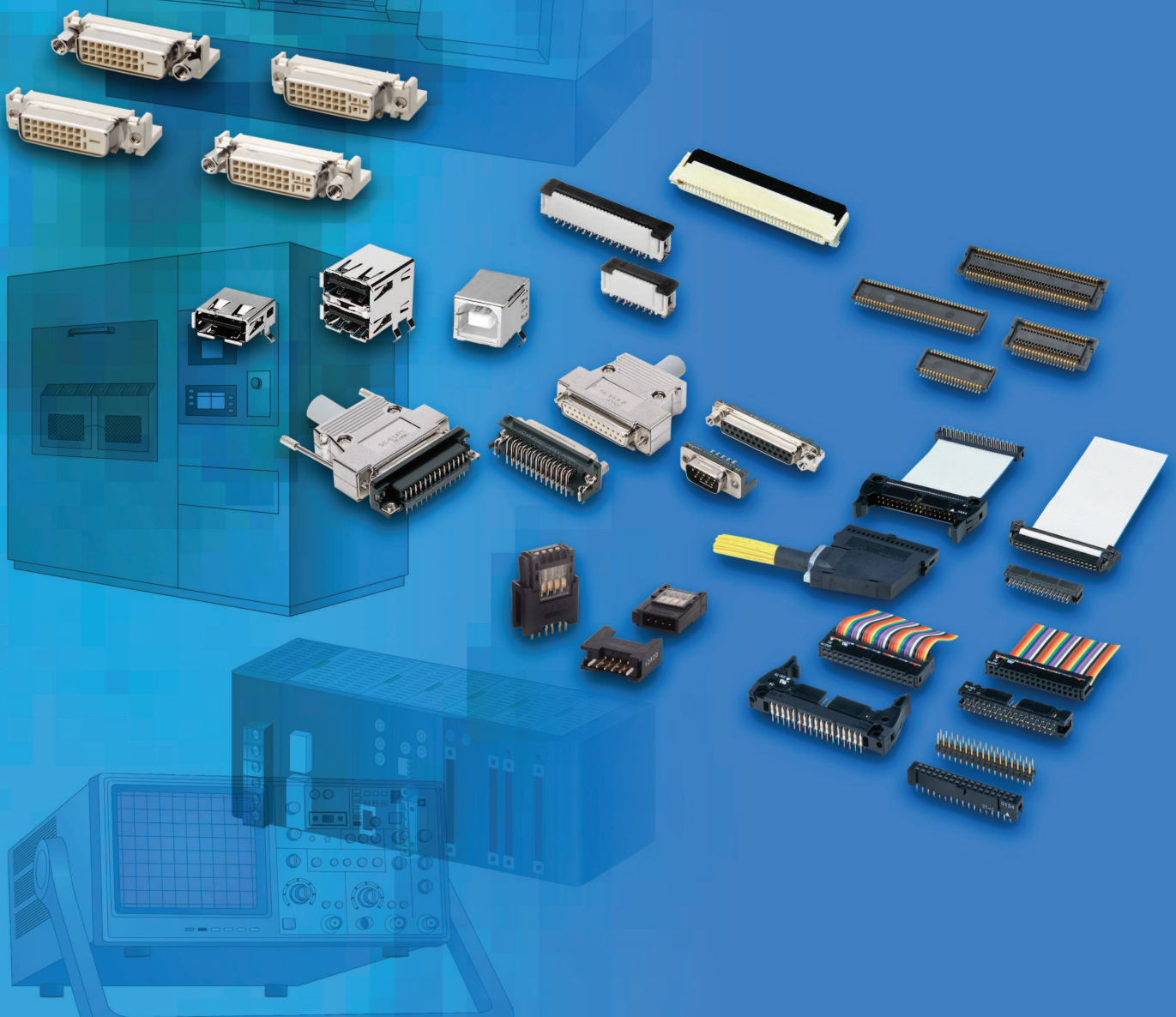


# OMRON

## OMRON Connector Selection



# OMRON Connectors Precisely Meeting Customers' Demands

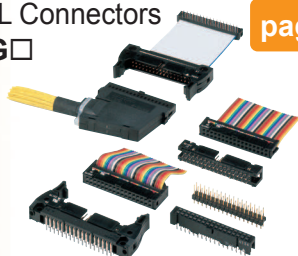
OMRON's highly reliable PCB connectors support the high-density mounting of PCB components.

These series include Half-pitch Connectors with a contact pitch of 1.27mm, Flat Cable Connectors conforming to MIL standards, D-sub/DVI/USB Connectors, and PCB Terminal Block as well. Contact your OMRON representative for connectors that precisely meet your needs.



MIL Connectors  
XG□

page 5



Easy Connectors for Industrial Application  
XN2

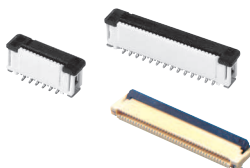
page 9



For PCB-to-Cable Connection

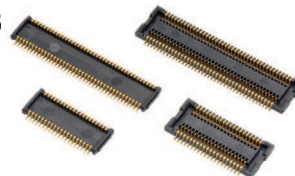
FPC Connectors  
XF□

page 11



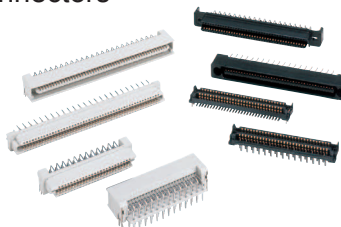
Board to FPC Connector  
XB4A / XB4B

page 13



Half-pitch Connectors  
XH□

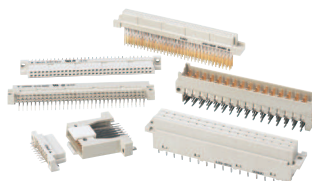
page 15

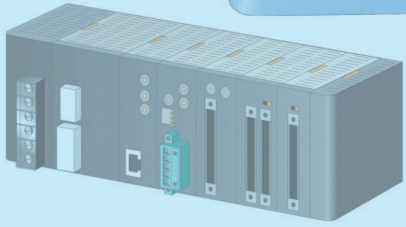
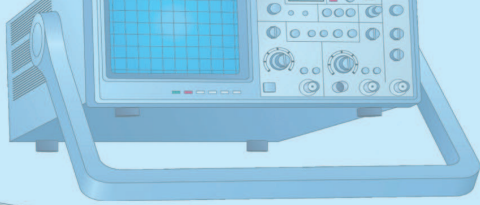


For PCB-to-PCB Connection

DIN Connectors  
XC□

page 19





## For Interface Connection

DVI Connectors  
XM4M

page 25



USB Connectors  
XM7

page 26



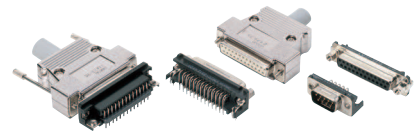
High-density D-sub  
Connectors  
XM4K/L

page 27



D-sub Connectors  
XM2/XM3

page 29



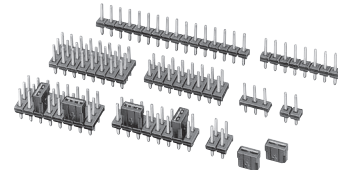
Jump Sockets  
(natural color)  
XJ8A

page 6



Jump Connectors  
XJ8

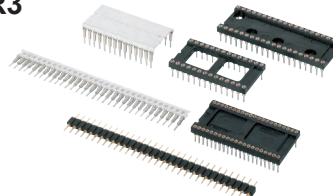
page 6



## Others

IC Sockets  
XR2/XR3

page 31



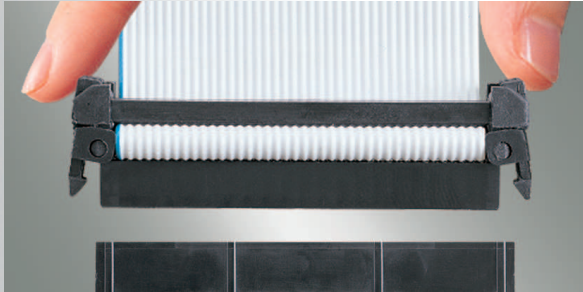
# OMRON's highly operable connectors are

● **"Easy-to-use"** OMRON connectors ● **Excellent operatability and workability**

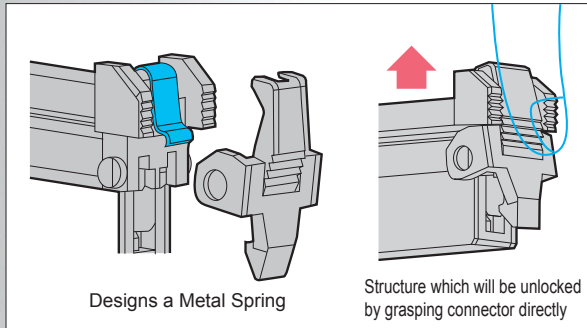
## Improves Workability in "PCB-to-Wire" Connection.

### XG4M-U MIL Connectors with lock

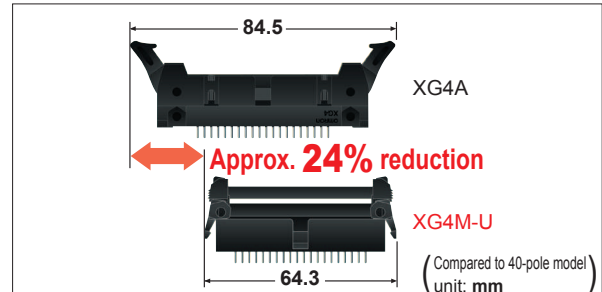
■ Easy to Connect and Disconnect with One Hand



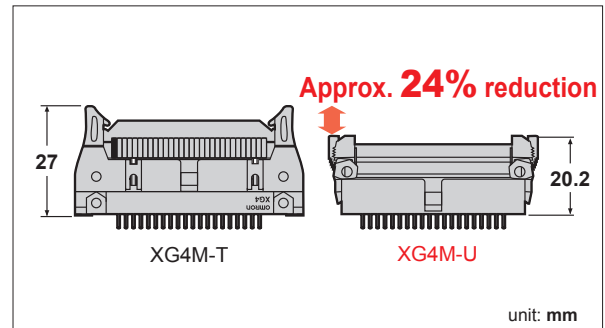
■ Improves Lock Lever Operatability.



■ Up to 24% Less Mounting Area



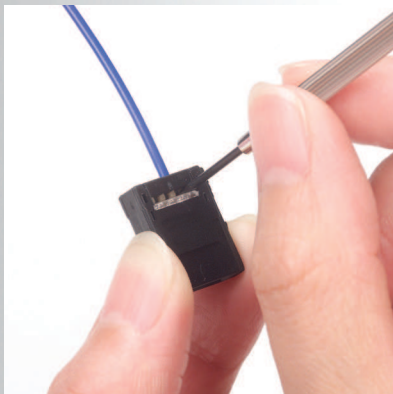
■ Approx. 24% reduction of Mounting Height.



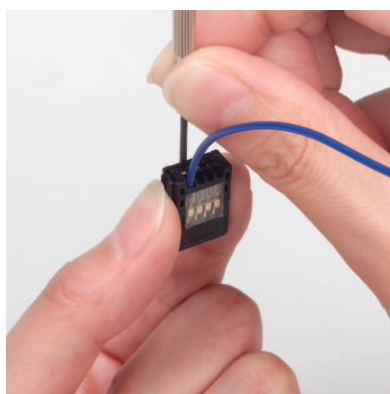
## Easy Connectors Most Suitable for Sensor Connection.

### XN2 Easy Connector for Industrial Application

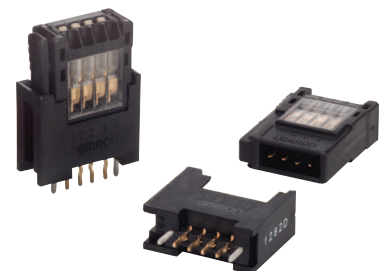
■ Easy Wire Connection Requires No Special Tools.



■ Repeat Wire Connection (Repair) Possible



■ A Piece Connector Accepts a Variety of Wire Size.



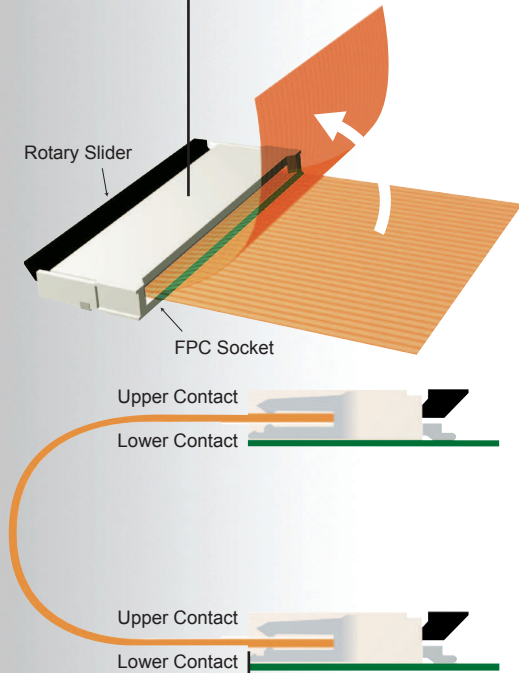
# designed considering on-site work thoroughly

## XF Series FPC Connectors

### Improvement 1

Rotary slider independent of the FPC socket

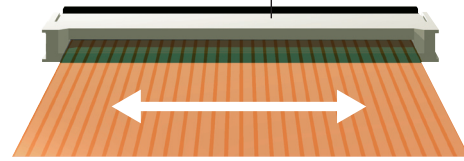
- ➔ Slider does not disconnect if the FPC is lifted.
- High reliability-A mounted FPC will not come off if excess force is applied to it.



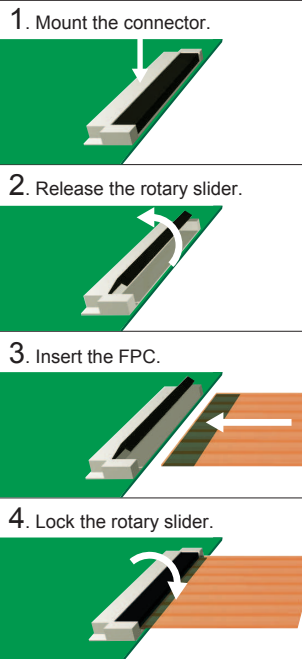
### Improvement 2

Four-sided FPC housing

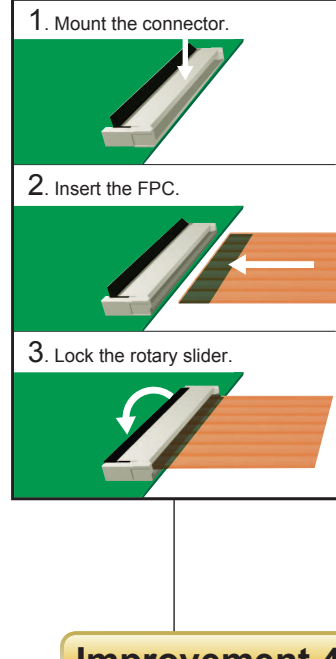
- ➔ Construction prevents FPC displacement.
- Mounting reliability is enhanced because the FPC is held in a four-sided housing and is unaffected by the slider operation.



### Traditional Rotary Connector



### XF Series



### Improvement 3

Dual contact

Note: Except the XF3A, XF2C Series and XF2B-61 pin.

- ➔ No need to discriminate between the upper and lower FPC contacts.
- Connectors are the same, so it's not necessary to distinguish between the upper and lower contacts when connecting upper and lower PCBs.

### Improvement 4

Delivered with the rotary slider open.

- ➔ Reduces the labor required to mount FPCs.
- Assembly speed is improved over the conventional rotary locking type because the rotary slider does not need to be released.

## Natural Color Connector helps you to Improve Circuit Recognition.

### XJ8A Jump Sockets (natural color)

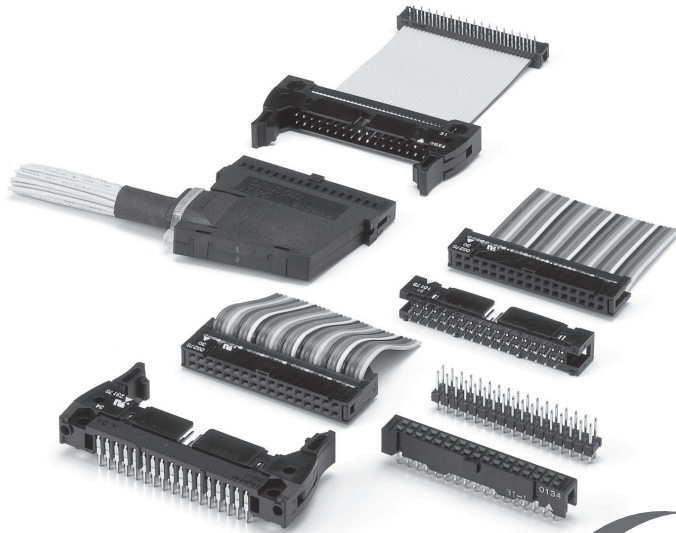
- Easy to Recognize in Inspection Process, or by Circuits.
- Remains the structure of "Easy-to-connect" and "Hard-to-disconnect".



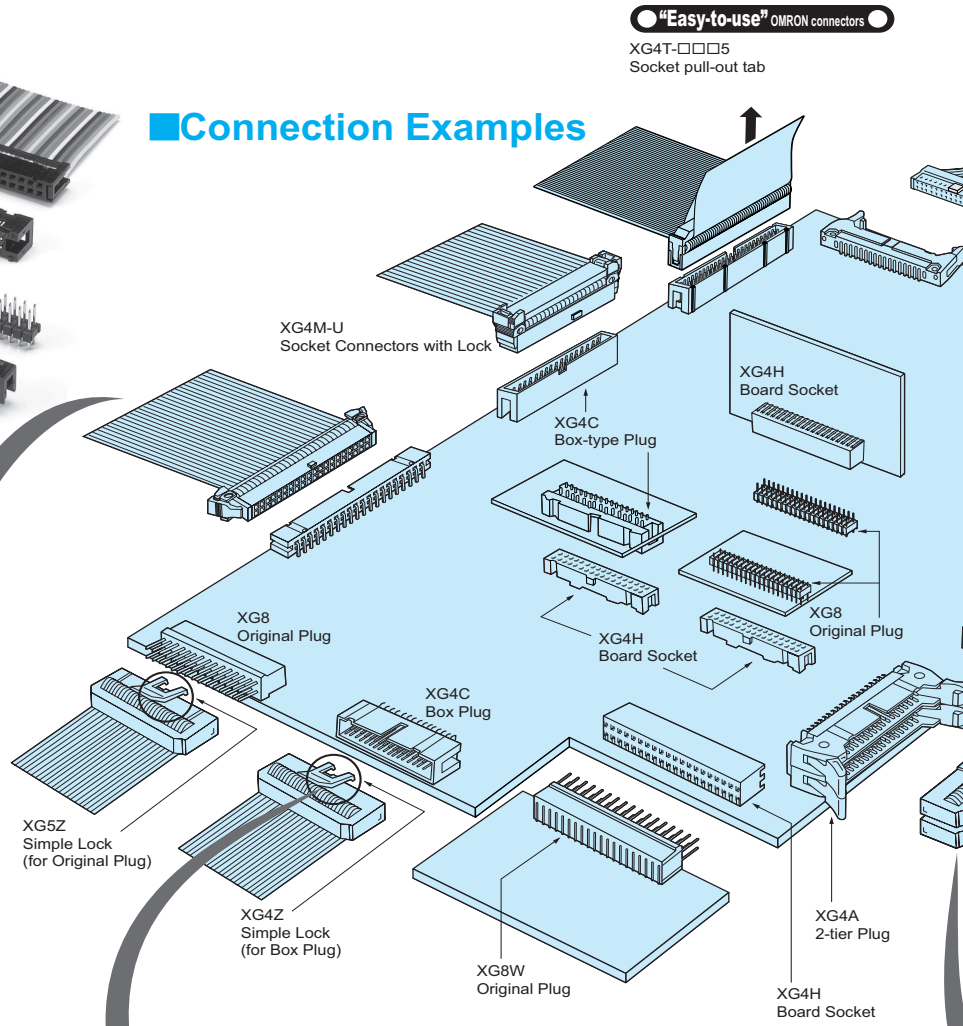
# XG□ and XJ8

## Flat Cable Connectors and Jump Connectors

### Flat Cable Connectors Responding to a Variety of Needs for Connecting Wires to PCBs

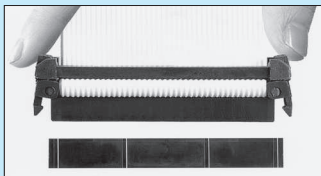


#### Connection Examples

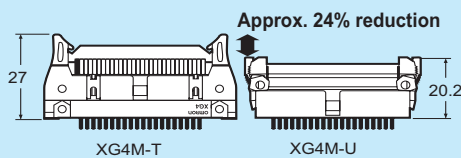
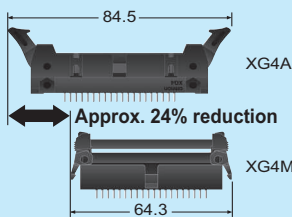


#### ●XG4M-U Socket Connectors with lock

Connection and Disconnection with One Hand



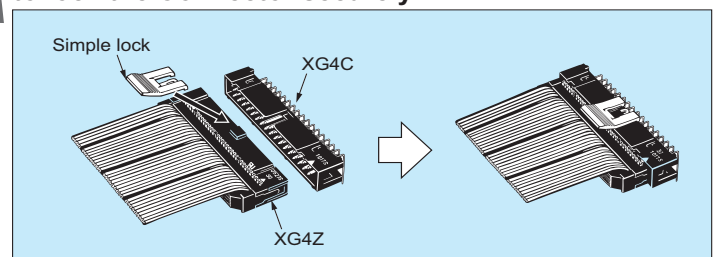
Space Saving



(compared to 40-mm models; unit: mm)



#### ●XG4Z/XG5Z Simple Lock (for Box Plug)

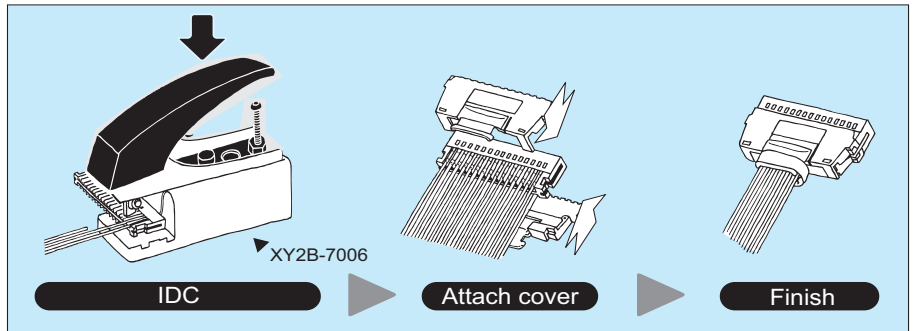
The Simple Lock for the Box Plug makes it possible to lock the Connector securely.



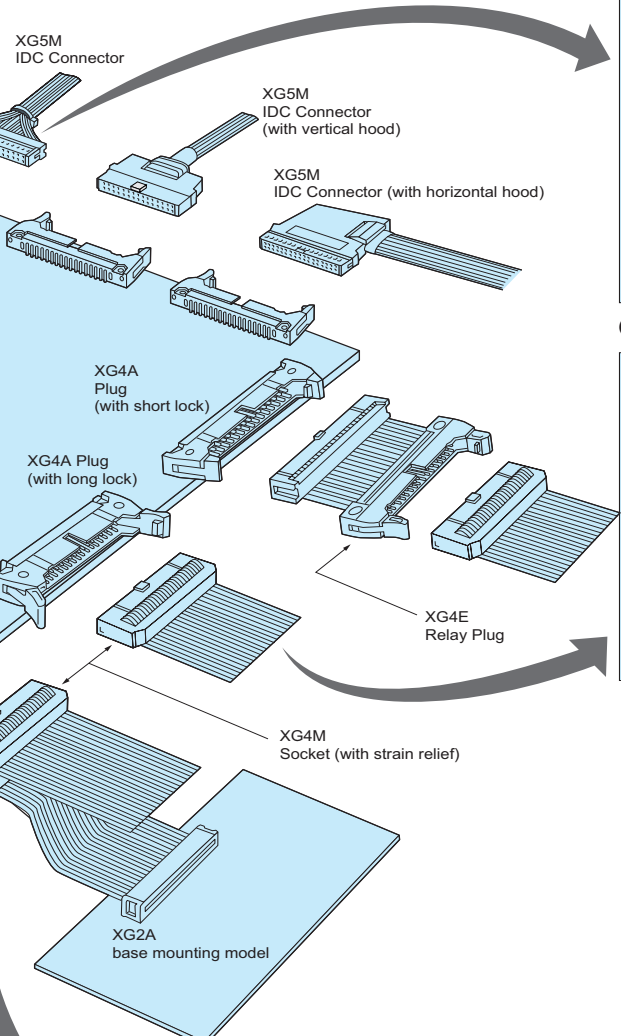
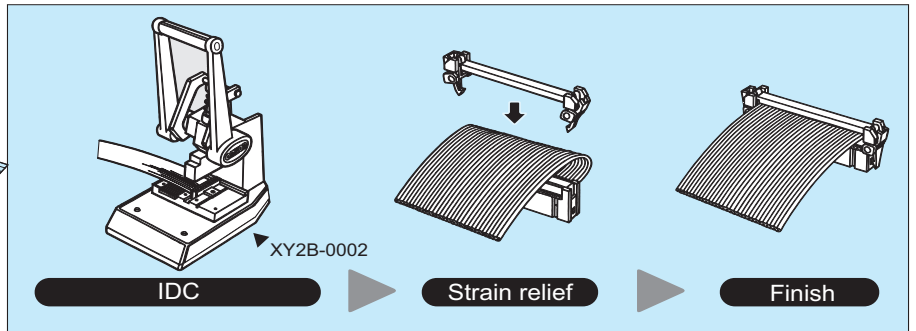
# IDC: Insulation Displacement Connection

## ● XG5M IDC Connectors

Wiring performed with special tool, eliminating the need for wire-end stripping  or crimping. 



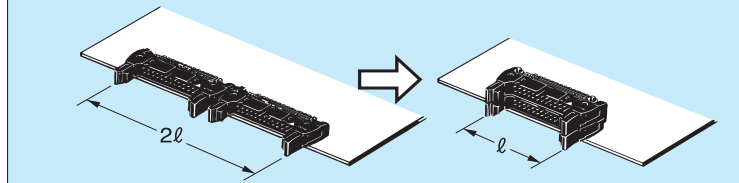
## ● XG4M IDC Connectors



## ● XG4A-A 2-tier Plugs

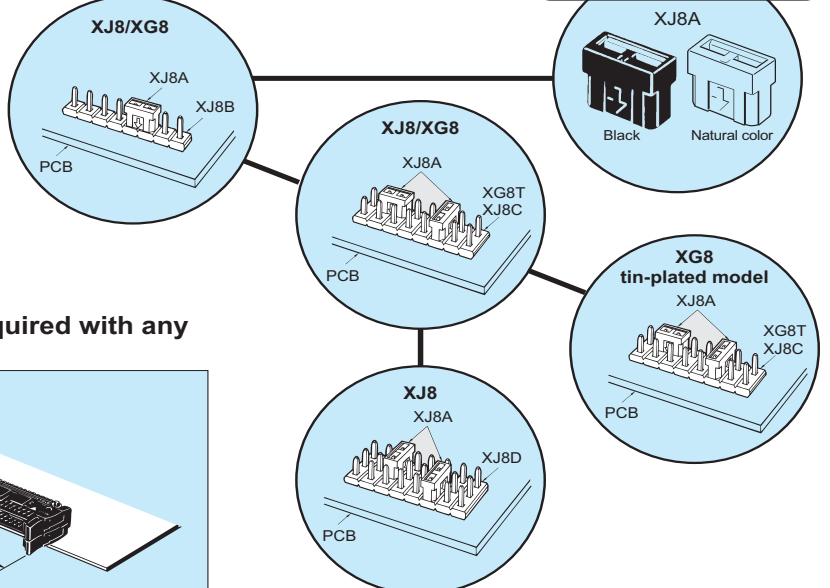
2-tier plugs occupying half the space required with any conventional model.

### ● Mounting Example



## ■ A Variety of Jump Connectors

“Easy-to-use” OMRON connectors



# XG□ and XJ8

## Flat Cable Connectors and Jump Connectors

### Ordering Information

#### ● XG4M Socket connectors with lock

XG4M-□□30-U

XG4M-□□31-U

Shape	Set Model XG4M-□□30-U *1 XG4M-□□31-U *2	Socket (with open-end cover) XG4M-□□30 *1 XG4M-□□31 *2	Strain relief (with lock) XG4U-□□04
Number of contacts			
*1: 1 Polarizing guide	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64	
*2: 2 Polarizing guide	50, 60, 64	50, 60, 64	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64
*2: 0 Polarizing guide	10	10	

#### ● XG4M Socket connectors

Shape	Set Model XG4M-□□30-T *1 XG4M-□□31-T *2	Socket (with open-end cover) XG4M-□□30 *1 XG4M-□□31 *2	Strain relief (for XG4M) XG4T-□□04
Number of contacts			
*1: 1 Polarizing guide	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64	
*2: 2 Polarizing guide	50, 60, 64	50, 60, 64	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64
*2: 0 Polarizing guide	10	10	

#### ● XG4A Plug connectors with long lock

Shape	Straight terminal XG4A-□□31 *1 XG4A-□□71 *2	Right angle terminal XG4A-□□34 *1 XG4A-□□74 *2
Number of contacts		
*1: 1 Polarizing guide	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64
*2: 2 Polarizing guide	50, 60, 64	50, 60, 64
*2: 0 Polarizing guide	10	10

#### ● XG4A 2-tier Plugs with long lock

Shape	Right angle terminal XG4A-□□39-A *1 XG4A-□□79-A *2
Number of contacts	
*1: 1 Polarizing guide	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64
*2: 2 Polarizing guide	50, 60, 64
*2: 0 Polarizing guide	10

#### ● XG4A Plug Connectors with short lock

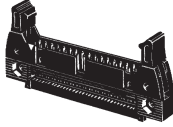
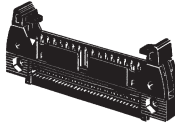

Shape	Straight terminal XG4A-□□32 *1 XG4A-□□72 *2	Right angle terminal XG4A-□□35 *1 XG4A-□□75 *2
Number of contacts		
*1: 1 Polarizing guide	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64
*2: 2 Polarizing guide	50, 60, 64	50, 60, 64
*2: 0 Polarizing guide	10	10

#### ● XG4A Plugs without lock lever

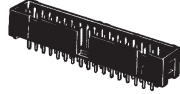
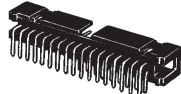
Shape	Straight terminal XG4A-□□33 *1 XG4A-□□73 *2	Right angle terminal XG4A-□□36 *1 XG4A-□□76 *2
Number of contacts		
*1: 1 Polarizing guide	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64	10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64
*2: 2 Polarizing guide	50, 60, 64	50, 60, 64
*2: 0 Polarizing guide	10	10



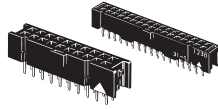

### ●XG4E Relay plug connectors

Shape	Long lock XG4E-□□31 *1 XG4E-□□71 *2	Short lock XG4E-□□32 *1 XG4E-□□72 *2	Strain relief (for XG4E) XG4S-□□04
			
Number of contacts			
*1: Polarizing guide 1	10,14,16,20,26,30,34,40,50,60,64	10,14,16,20,26,30,34,40,50,60,64	
*2: Polarizing guide 2	50,60,64	50,60,64	10,14,16,20,26,30,34,40,50,60,64
*2: Polarizing guide 0	10	10	

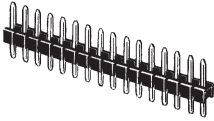
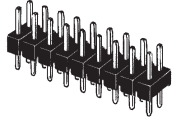
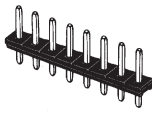
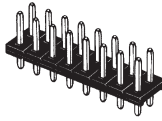
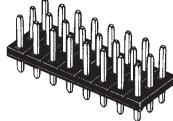
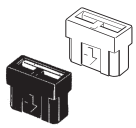
### ●XG4C Box type plug connectors

Shape	Straight terminal XG4C-□□31 *1 XG4C-□□71 *2	Right angle terminal XG4C-□□34 *1 XG4C-□□74 *2
		
Number of contacts		
*1: 1 Polarizing guide	10,14,16,20,26,30,34,40,50,60,64	10,14,16,20,26,30,34,40,50,60,64
*2: 2 Polarizing guide	50,60,64	50,60,64
*2: 0 Polarizing guide	10	10







### ●XG4H Socket for board to board connectors

Shape	Straight terminal XG4H-□□31 *1 XG4H-□□71 *2	Right angle terminal XG4H-4034
		
Number of contacts		
*1: 1 Polarizing guide	10,14,16,20,26,30,34,40,50,60,64	40
*2: 2 Polarizing guide	50,60,64	—

### ●XG8/XJ8 Jump connectors

Shape	XG8S-□□31 XG8S-□□41	XG8T-□□31 XG8T-□□41	XJ8B-□□11	XJ8C-□□11	XJ8D-□□11	XJ8A-0211 XJ8A-0241 XJ8A-0214
						
Number of contacts	2,3,4,6,8,16,18	2,4,6,8,10,12,14,16,18,20	2,3,4,6,8,16	2,3,4,6,8,10,12,14,16	3,6,9,12,15,18,21,24	2

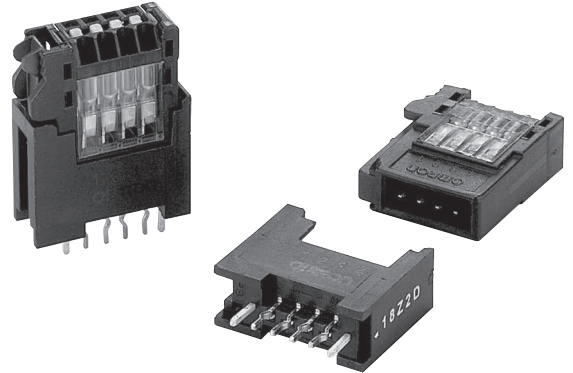
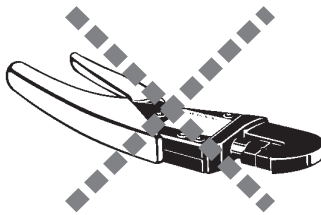
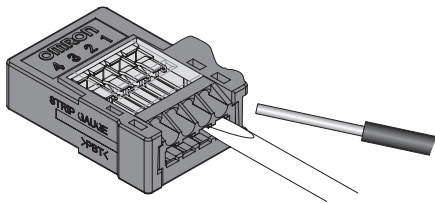
### ●XG8 Original plugs

Shape	1-Row type Straight terminal XG8A-5031	1-Row type Right angle terminal XG8A-5034	2-Row type Straight terminal XG8B-0131	2-Row type Right angle terminal XG8B-0134	Straight terminal XG8W-□□31(Au) XG8W-□□41(Sn)	Right angle terminal XG8W-□□34(Au) XG8W-□□44(Sn)
						
Number of contacts	50	50	100	100	10,14,16,20,26,30,34,40,50,60	20,26,30,34,40,50

### Easy-wire Connectors With *e-CON*\* Specifications, Ideal for connecting Sensors

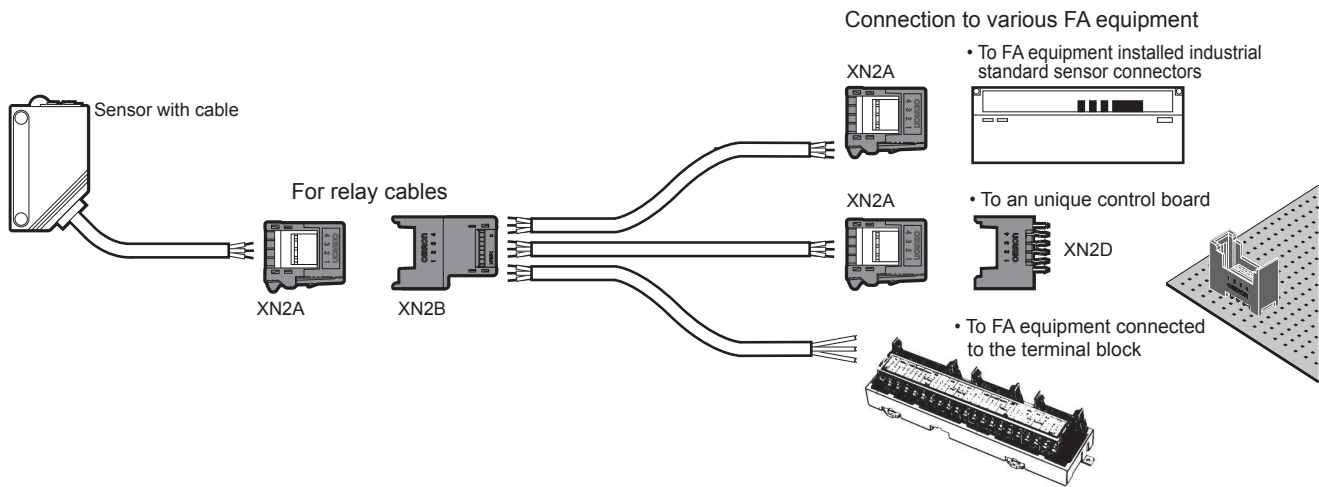
- Use industry— proven spring clamps for wiring.
- Rewiring (reparing) is possible.
- Each connector accepts any wire size from AWG28 (0.08 mm<sup>2</sup>) to AWG20 (0.5mm<sup>2</sup>).  
(External sheath diameter: 1.5mm max).

No special tools required for easy wiring

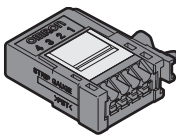
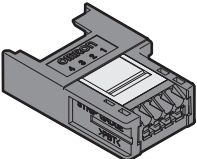
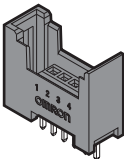
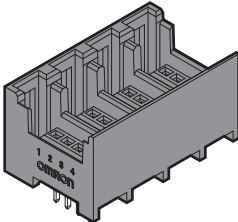


\* *e-CON* Specifications are currently being promoted for Standardization by manufacturers of FA Components and Connections.

## Example of Wiring Form



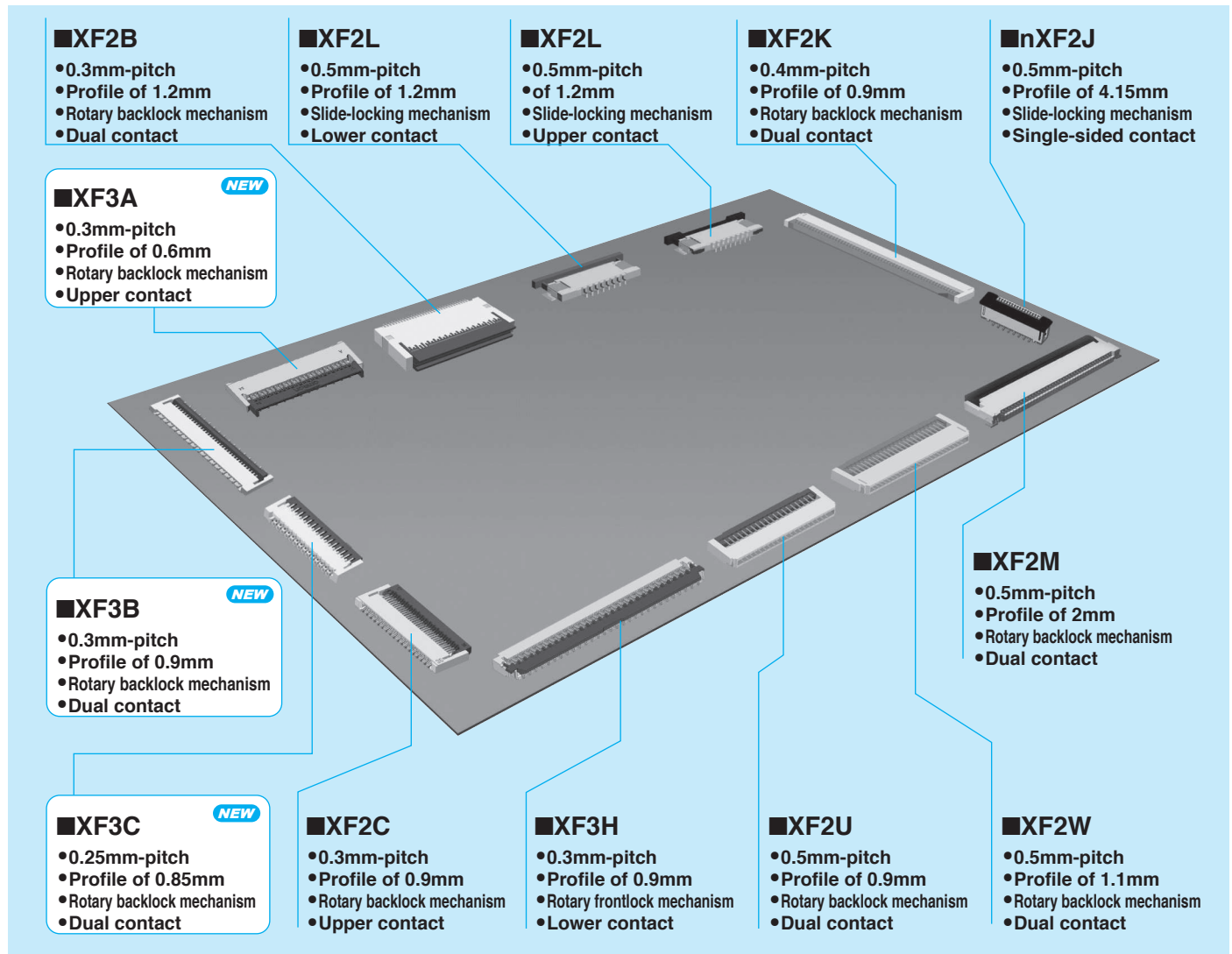
## Ordering Information

Type	Cable Plug Connector	Cable Socket Connector	Single-socket PCB Socket Connector	Four-socket PCB Socket Connector
Appearance				
No. of contacts	Model	Model	Model	Model
3	XN2A-1370	---	XN2D-1371	---
4	XN2A-1470	XN2B-1470	XN2D-1471	XN2D-4471
5	XN2A-1570	---	XN2D-1571	---
6	XN2A-1670	---	XN2D-1671	---
8	XN2A-1870	---	XN2D-1871	---

# XF Series

## FPC Connectors

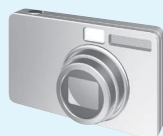
FPC Connectors must offer easy operation and secure mounting in tight working spaces. The rotary backlock construction of the XF Series solves FPC mounting problems and significantly enhances work efficiency and reliability.



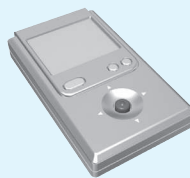
### Applications



I Mobile phones



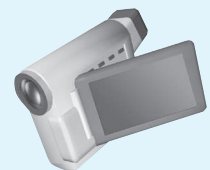
I Digital cameras



I Portable audio devices



I DVD drives



I Digital video cameras

## Product Overview

Model	Lock mechanism	Pitch	On-board height	Depth (*4)	Applicable FPC thickness	Contact type
 XF3C	Rotary backlock	0.25mm	0.85mm	3.8mm	0.12mm	Dual contact
 XF3A	Rotary backlock	0.3mm	0.6mm	3.8mm	0.12mm	Upper contact
 XF3B	Rotary backlock	0.3mm	0.9mm	4.0mm*3	0.2mm	Dual contact
 XF2C	Rotary backlock	0.3mm	0.9mm	4.0mm	0.12mm	Upper contact
 XF2B	Rotary backlock	0.3mm	1.2mm	5.5mm	0.2mm	Dual contact*1
 XF3H	Rotary frontlock	0.3mm	0.9mm	3.5mm	0.2mm	Lower contact
 XF2K	Rotary backlock	0.4mm	0.9mm	4.0mm	0.2mm	Dual contact
 XF2U	Rotary backlock	0.5mm	0.9mm	3.5mm	0.2mm	Dual contact
 XF2W	Rotary backlock	0.5mm	1.1mm	3.5mm*3	0.3mm	Dual contact
 XF2M	Rotary backlock	0.5mm	2.0mm*2	5.9mm*2	0.3mm	Dual contact
 XF2L	Slide lock	0.5mm	1.2mm	3.45mm	0.3mm	Upper/lower contact
 XF2J	Slide lock	0.5mm	4.15mm	3.4mm	0.3mm	Single-sided contact

\*1: Models with 61 pins have upper contacts. \*2: 55 and 60 pins are different specifications.  
 \*3: Dimensions differ for the long-lock type. \*4: These are latch closed dimension.

## Model Number Legend

XF   -     -    -

(1) (2) (3) (4) (5) (6) (7) (8)

(1) Classification in Series  
 2B, 2C, 2J, 2K, 2L,  
 2M, 2U, 2W, 3A, 3B, 3C,  
 3H

(2) Number of Signal Contact Pins  
 (3) Signal Contact Arrangement  
 1: One-row, double-sided contact  
 2: One-row, single-sided contact  
 (including upper contact  
 and top entry)  
 3: One-row, single-sided contact  
 (lower contact)

(4) Terminal Shape  
 4: Two-row, double-sided  
 contact  
 5: Two-row, single-sided  
 contact

(4) Terminal Shape  
 4: SMT terminals  
 (top entry)  
 5: SMT terminals  
 (side entry)  
 (5) Applicable FPC thickness  
 1: 0.3mm  
 3: 0.2mm

(6) Terminal Arrangement  
 □: Standard  
 1: Staggered arrangement  
 (forward arrangement)  
 2: Staggered arrangement  
 (backward arrangement)

(7) Plating  
 A: Au  
 (8) Special  
 Correspondence  
 E: Easy lock type  
 H: For multiple pins

(7) Plating  
 A: Au  
 (8) Special Correspondence  
 E: Easy lock type  
 H: For multiple pins

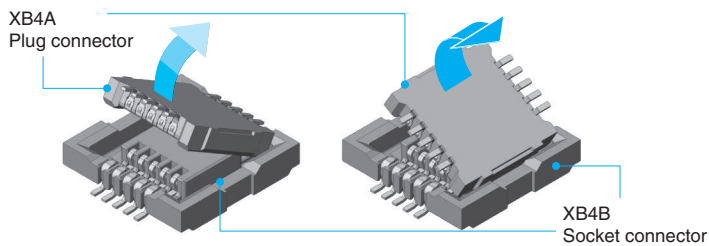
# XB4A/B

## 0.4mm Pitch Board to FPC Connectors

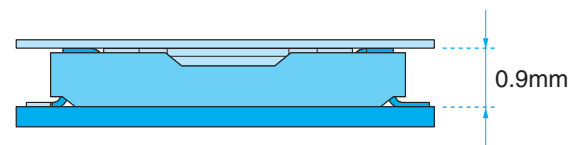
Ultra-low profile connector with a stacking height of 0.9mm, guarantees easy operation and high contact reliability.

- The low-profile shape, a sharp “click” and a high retention force
- Possible to remove any direction
- Easy insertion performance by self-alignment
- Double contacts ensure highly reliable contact

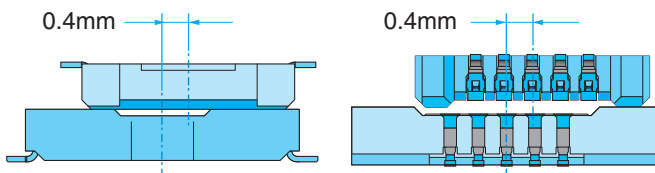
### ● Twist-resistant design allows removal in all directions



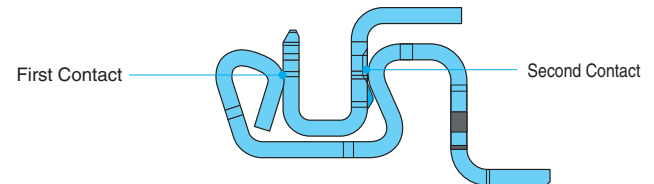
### ● Low-profile type with a stacking height of just 0.9 mm





### ● Featuring the self-alignment structure



### ● Double contacts ensure highly reliable contact



## Product Overview

Model	Part name	Pitch	Stacking height	Width
XB4A 	Plug	0.4mm	0.9mm	4.1mm
	Socket			5.0mm
XB4B 	Socket			

**Model Number Legend** \* Use this legend when determining the product specifications from the model number. Choose from the model numbers listed in this catalog when ordering.

**XB4**  -   **35-D**

(1) (2) (3) (4)(5) (6)

- |   |  |                                     |   |
|---|--|-------------------------------------|---|
| (1) Series Name<br>0.4-mm Pitch Board to<br>FPC Connector | (2) Classification in Series<br>A: Plug<br>B: Socket | (4) Plating<br>3: Au                | (6) Accessories<br>D: Without boss and<br>hold down |
|   | (3) Number of Signal Contact Pins                    | (5) Terminal Shape<br>SMT terminals |   |

## Ordering Information

Type	Pin No.	Quantity per reel (See Note 1)	Model
Plug	24	3,000	<b>XB4A-2435-D</b>
	40	3,000	<b>XB4A-4035-D</b>
	80	3,000	<b>XB4A-8035-D</b>
Socket	24	3,000	<b>XB4B-2435-D</b>
	40	3,000	<b>XB4B-4035-D</b>
	80	3,000	<b>XB4B-8035-D</b>

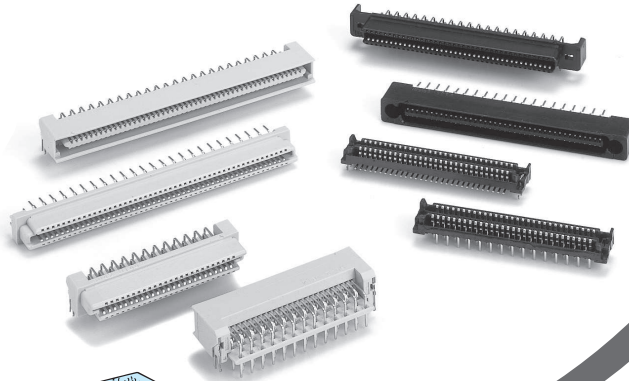
**Note: 1.** Please order a multiple of the quantity per reel.

# XH3/XH4/XH2

## Half-pitch Connectors Series

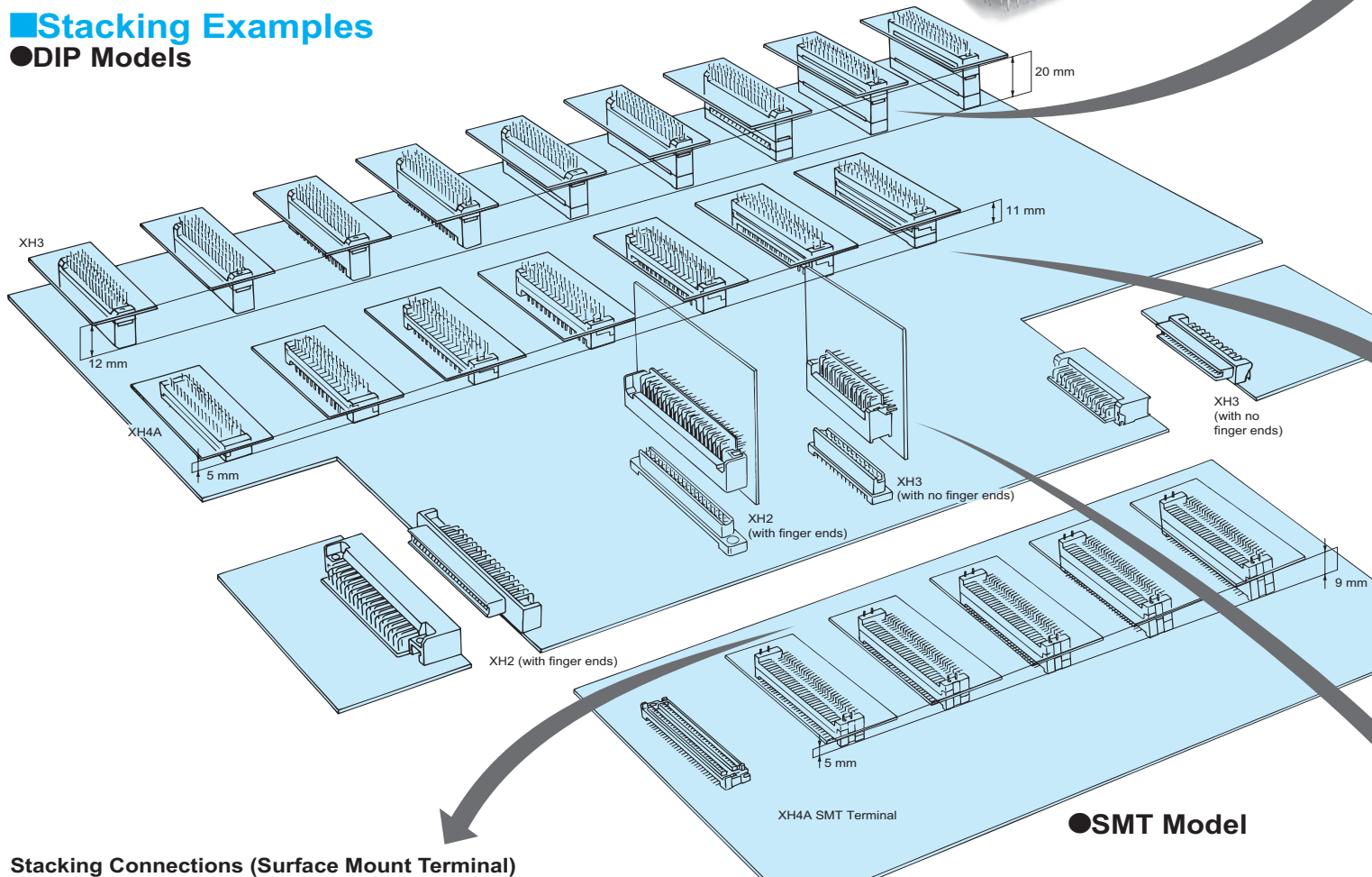
### 1.27-mm Contact Pitch Greatly Contributing to High-density Mounting of Electronic Components and Miniaturization of Electronic Devices

- Stacking heights supported in the range 5 to 20 mm at 1-mm increments.
- Leaf contact structure ensures high resistance to twisting force and smooth connection and disconnection.
- XH2/XH3: Au/Pd-plated contacts with an engagement length of 3.1 mm ensure high contact reliability.
- Snap-on terminal for easy connection to the PCB.
- Housing with standoff construction for improved soldering quality and easier cleaning (except 1 and 2-mm increment models).
- XH2/XH3/XH4 DIP model: Approved by EN, IEC, UL, and CSA standards.
- Product lineup includes fine-fit models that are mounted to PCBs with ease with no soldering.



### Stacking Examples

#### ● DIP Models



#### ● SMT Model

#### Stacking Connections (Surface Mount Terminal)

Stacking Height	5 mm	6 mm	7 mm	8 mm	9 mm
Engagement					



## Engagement

### Stacking Connections

Stacking Height	12 mm	13 mm	14 mm	15 mm	16 mm
Engagement	<p>XH3B-□□41 (-A) XH3A-□□41 (-A)</p>	<p>XH3B-□□41-1A XH3A-□□41 (-A)</p>	<p>XH3B-□□41 (-A) XH3A-□□41-2A</p>	<p>XH3B-□□41-1A XH3A-□□41-2A</p>	<p>XH3B-□□41 (-A) XH3A-□□41-4A</p>
Stacking Height	17 mm	18 mm	19 mm	20 mm	
Engagement	<p>XH3B-□□41-1A XH3A-□□41-4A</p>	<p>XH3B-□□41-4A XH3A-□□41-2A</p>	<p>XH3B-□□41-3A XH3A-□□41-4A</p>	<p>XH3B-□□41-4A XH3A-□□41-4A</p>	

### Stacking Connections (Straight Terminal)

Stacking Height	5 mm	6 mm	7 mm	8 mm
Engagement	<p>XH4A-□□31 (-A) XH4A-□□31 (-A)</p>	<p>XH4A-□□31 (-A) XH4A-□□31-1A</p>	<p>XH4A-□□31-1A XH4A-□□31-1A</p>	<p>XH4A-□□31-1A XH4A-□□31-2A</p>
Stacking Height	9 mm	10 mm	11 mm	
Engagement	<p>XH4A-□□31-2A XH4A-□□31-2A</p>	<p>XH4A-□□31-2A XH4A-□□31-3A</p>	<p>XH4A-□□31-3A XH4A-□□31-3A</p>	

### Vertical/Horizontal/Stacking

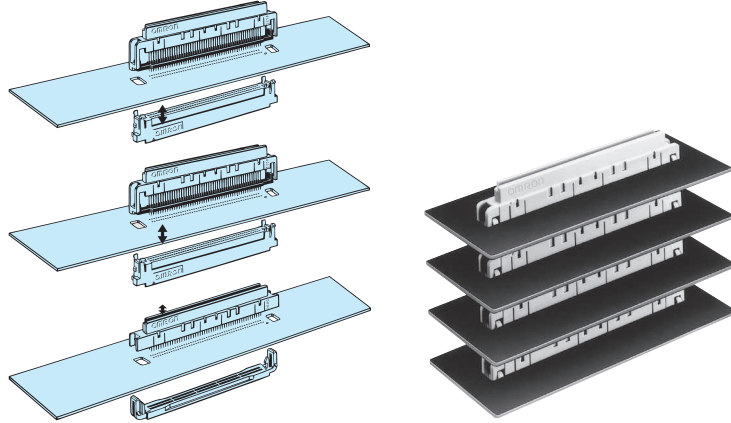
Vertical (Standard) (See note.)	Vertical (Reverse)	Horizontal
<p>XH3A-□□42-A Plug XH3B-□□41 Socket</p>	<p>XH3B-□□42-A Socket XH3A-□□41 Plug</p>	<p>XH3A-□□42-A Plug XH3B-□□42-A Socket</p>

# XH3/XH4/XH2

## Half-pitch Connectors Series

### Connection Examples

#### Multi-tier Stacking of Fine-fit Models



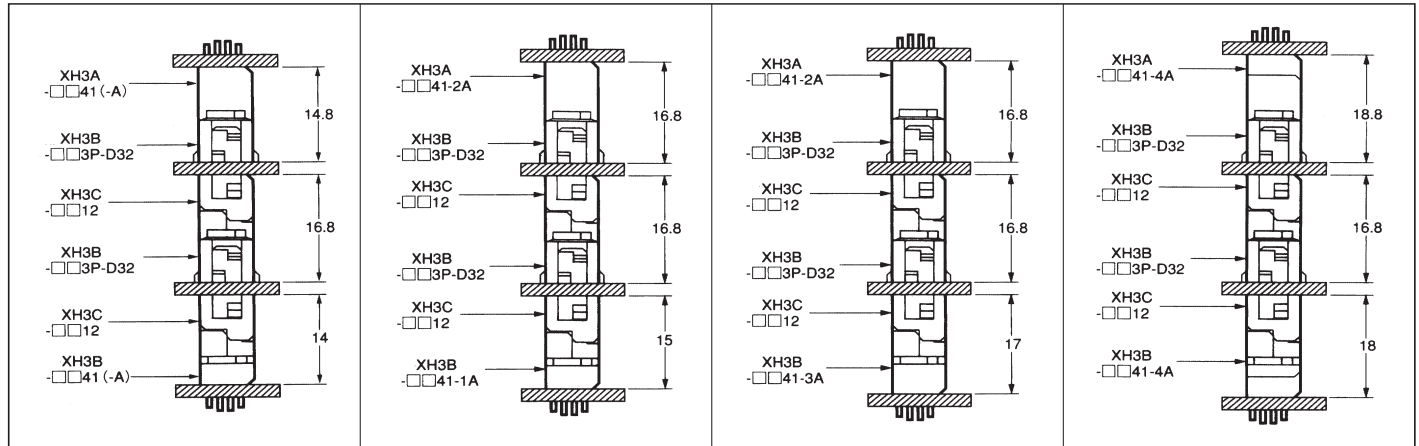
#### Fine Fit

The term "fine fit" (generally known as "press fit") refers to the technique where the connector terminal are pressed into the through holes of the PCB to connect the PCB and connector electrically and mechanically with the spring pressure of the terminal.

The connector is connected with no solder, eliminating the soldering stage usually required with connectors. Furthermore the PCB is free of thermal load or flux, thus contributing to cost reductions and improvements in contact reliability.

### Engagement

#### Stacking Fine-fit Plain Models with Straight Terminal

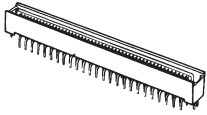
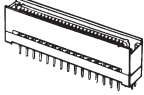
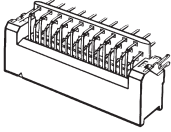


### Ordering Information

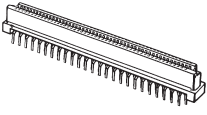
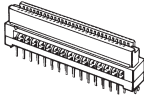
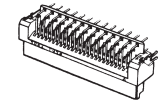
#### XH3 Half-pitch Connectors (Fine-fit and Stacking Connection)

Shape	Socket (Backplane Model) XH3B-013P-D32	Housing (Backplane Model) XH3C-0112	Set model XH3B-013P-D32-C
Number of contacts	100	100	100
Shape	Connector with socket and short terminal XH3B-013P-D5F	Cover for short terminal XH3S-0111	Set model XH3B-013P-D5F-S
Number of contacts	100	100	100

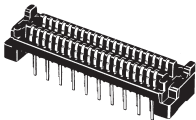
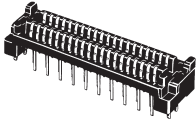

●XH3 Half-pitch Connectors (Board-to-Board Connection)  
Plugs

Shape	<p>Plug with Straight terminal XH3A-□□41 XH3A-□□41-A</p> 	<p>Plug with Straight terminal (models with stacking height adjustable in 2 or 4-mm increments) XH3A-□□41-2A XH3A-□□41-4A</p> 	<p>Plug with Right angle terminal XH3A-□□42-A</p> 
Number of contacts	20,30,40,50,60,68,80,100,120	20,30,40,50,60,68,80,100,120	30,40,50,60,68,80,100

Sockets

Shape	<p>Socket with Straight terminal XH3B-□□41 XH3B-□□41-A</p> 	<p>Socket with Straight terminal (models with stacking height adjustable in 1, 3, or 4-mm increments) XH3B-□□41-1A XH3B-□□41-3A XH3B-□□41-4A</p> 	<p>Socket with Right angle terminal (Provided with Lock Terminal) XH3B-□□42-A</p> 
Number of contacts	20,30,40,50,60,68,80,100,120	20,30,40,50,60,68,80,100,120	30,40,50,60,68,80,100

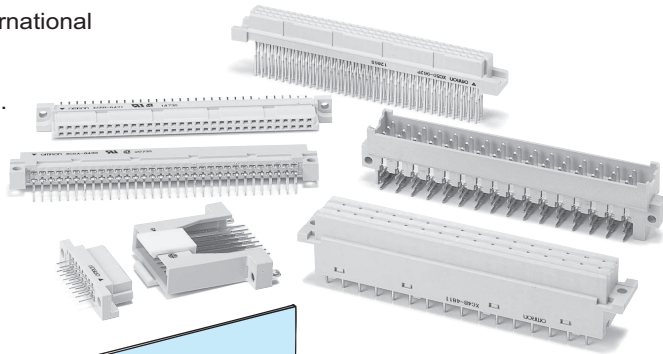
●XH4 Half-pitch Connectors (Low-profile Stacking Connection)

Shape	<p>Half-pitch Connector with Straight terminal XH4A-□□31</p> 	<p>Half-pitch Connector with Straight terminal (models other than standard models with stacking height adjustable in 1, 2, or 3-mm increments) XH4A-□□31-A XH4A-□□31-1A XH4A-□□31-2A XH4A-□□31-3A</p> 	<p>Half-pitch Connector with SMT (models other than standard models with stacking height adjustable in 1 or 2-mm increments) XH4A-□□35-A XH4A-□□35-1A XH4A-□□35-2A</p> 
Number of contacts	40,50,60,80,100	40,50,60,80,100	40,50,60,80,100

# XC5/XC6/XC7/XC2/XC4 DIN Connectors Series

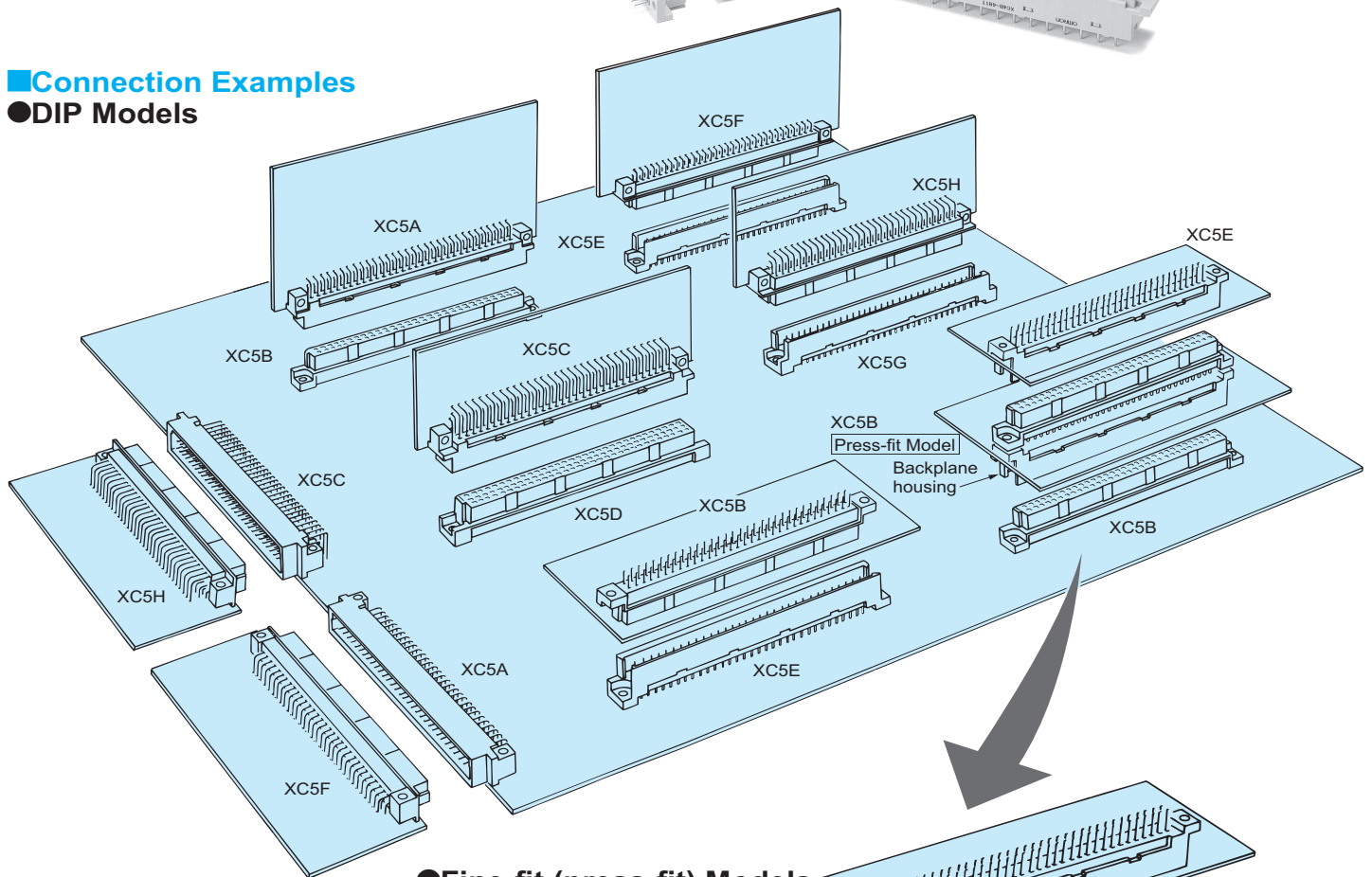
**A Wide Variety of High-density Connectors Conform to International Standards, are Highly Reliable, and Support a Wide Range of Applications**

- Lineup includes versatile DIN models that meet international DIN standards, such as standard DIN, DIN-style, and DIN fine-fit models.
- These connectors meet a variety of industrial needs.
- A comprehensive selection of accessories are available.

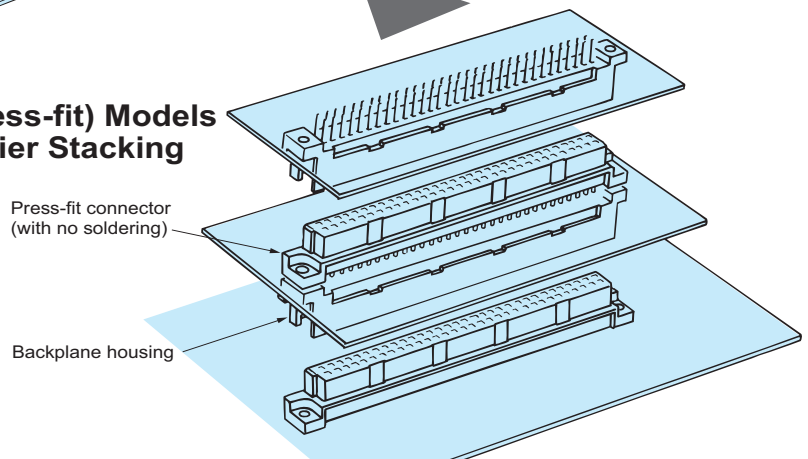


## ■ Connection Examples

### ● DIP Models

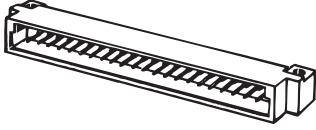


### ● Fine-fit (press-fit) Models with Multi-tier Stacking



## ■ A wide variety of DIN connectors are available in addition to the following models.

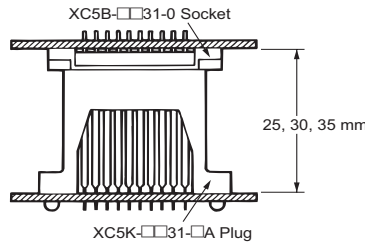
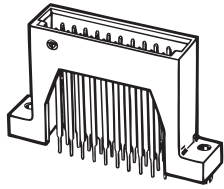
### XC5 DIN-style Connectors



	Standard DIN	DIN style 1	DIN style 2
PCB mounting	 Fixed at PCB edge	 PCB surface mounting	 PCB surface mounting

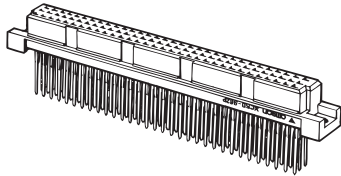
- Designed for PCB surface mounting and ideal for automatic soldering.

### XC5K High-profile Stacking Connectors

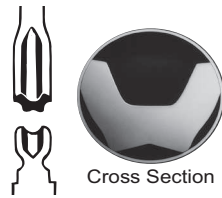


- Corresponding to a stacking height of 25, 30, or 35 mm.

### XC5 Fine-fit (press-fit) Connectors



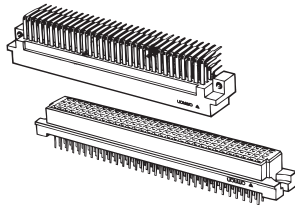
#### ■ Construction of Solderless Connecting Part (Fine-fit Part)



The cross section is in the shape of the letter W.  
The two points on the bottom work as guide rails, preventing the pins from becoming twisted.  
The fin parts on the upper part change shape to fit into the through hole of the PCB.

- Press-fitted to PCBs and so soldering or cleaning is required.
- Mounting method more efficient than manual soldering.
- Ideal for backplane systems.

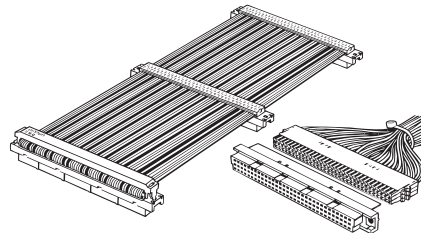
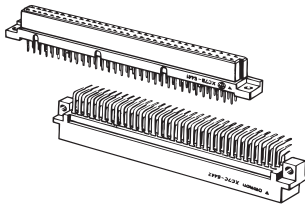
### XC5M DIN Connectors in 4 Lines with 128 Connector Poles



	XC5M standard DIN model	XC5M-1 DIN style 1	XC5N DIN style 3
Shape	Plug Right angle terminal 	Plug Right angle terminal 	Socket Straight terminal 

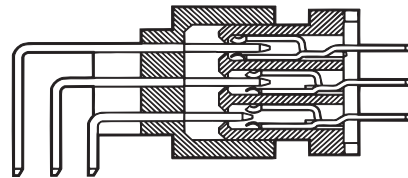
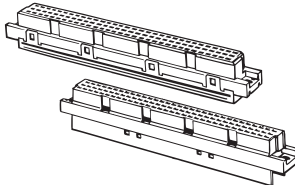
- Multi-pole connectors in 4 lines with 128 poles based on the DIN concept.

### XC6 Cable Connectors



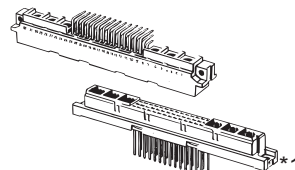
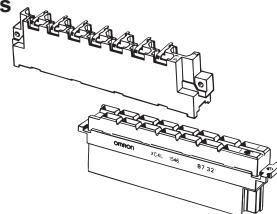
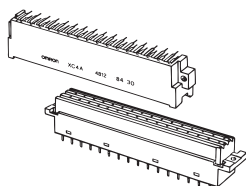
- Ideal for connecting to a variety of bus lines for rack systems.
- Allow backplanes to be constructed with ease.
- Models with 96 connector poles and models with 64 connector poles and a center-holed construction are available.

### XC7 Sequence Connectors



- Active lines can be connected to daughter boards after connecting power lines, and can be disconnected before disconnecting the power lines.
- High reliability ensured with an engagement length of 4 mm and the durability to withstand 5,000 insertions.
- Three-step sequential operation.

### XC4 Mid- and High-current Connectors



- Carry 6 to 40 A for PCB-to-PCB or PCB-to-wire applications.

\*1 (high frequency model available)

# XC5/XC6/XC7/XC2/XC4 DIN Connectors Series

## Ordering Information

### ●XC5 DIN Connectors

Shape	XC5A 2-Row Plugs (DIN-B Standard Models)	XC5B 2-Row Sockets (DIN-B Standard Models)		XC5E DIP Plugs (DIN-Q Reverse Models)	
	Right angle terminal XC5A-□□22	Straight terminal XC5B-□□21	Straight wrapping terminal XC5B-□□23	Straight terminal XC5E-□□21	Straight wrapping terminal XC5E-□□23
Number of contacts	20,32,44,50,64,100	20,32,44,50,64,100		20,32,44,50,64,100	

Shape	XC5F 2-Row Sockets (DIN-Q Reverse Models)	XC5C 3-Row Plugs (DIN-C Standard Models)	XC5D 3-Row Sockets (DIN-C Standard Models)	
	Right angle terminal XC5F-□□22	Right angle terminal XC5C-□□22	Straight terminal XC5D-□□21	Straight wrapping terminal XC5D-□□23
Number of contacts	20,32,44,50,64,100	32,48,64,96	32,48,64,96	

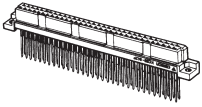
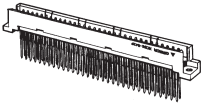
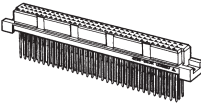
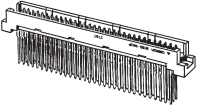
Shape	XC5G 3-Row Plugs (DIN-R Reverse Models)	XC5H 3-Row Sockets (DIN-R Reverse Models)
	Straight terminal XC5G-□□21	Straight wrapping terminal XC5G-□□23
Number of contacts	48,64,96	

### ●XC5 DIN-style Connectors

Shape	XC5A 2-Row Plugs (DIN Style 1)	XC5B 2-Row Sockets (DIN-style Compatible Models)	XC5E 2-Row Plugs (DIN Style 2)	XC5F 2-Row Sockets (DIN Style 2)
	Right angle terminal XC5A-□□82-1	Straight terminal XC5B-□□31-0(with coding key) XC5B-□□31-3	Straight terminal XC5E-□□81-2 XC5E-□□81-3 *	Right angle terminal XC5F-□□32-2
Number of contacts	20,24,30,32,44,50,64,100	10,14,16,20,24,30,32,44,50,64,100	10*,14*,20,24*,30,32,44,50,64,100	20,30,32,44,50,64,100


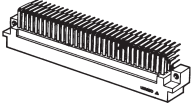

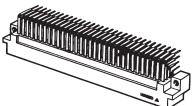


Shape	XC5K High-profile Stacking Plugs	XC5C 3-Row Plugs (DIN Style 1)	XC5D 3-Row Sockets (DIN Style Compatible)
	XC5K-□□31-3A with 30-mm-pitch Straight terminal XC5K-□□31-2A with 25-mm-pitch Straight terminal	Right angle terminal XC5C-□□82-1	Straight terminal XC5D-□□31-0
Number of contacts	16,20,32	64,96	64,96

●XC5 DIN Connectors (Fine-fit, W-shaped terminal type)

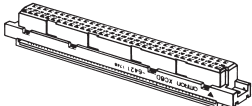
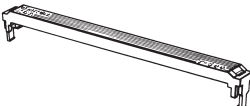
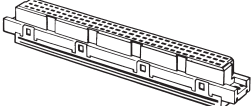
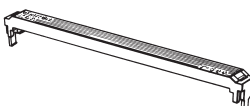
	XC5B 2-Row Sockets (DIN-B Fine-fit, W-terminal Models)	XC5E 2-Row Plugs (DIN-Q Fine-fit, W-terminal Models)	XC5D 3-Row Sockets (DIN-C Fine-fit, W-terminal Models)	XC5G 3-Row Plugs (DIN-R Fine-fit, W-terminal Models)
Shape	Straight terminal XC5B-□□2P-1140 *1 XC5B-□□2P-1131 *2 XC5B-□□2P-1132 *3 	Straight terminal XC5E-□□2P-1140 *1 XC5E-□□2P-1131 *2 XC5E-□□2P-1132 *3 	Straight terminal XC5D-□□2P-1140 *1 XC5D-□□2P-1131 *2 XC5D-□□2P-1132 *3 	Straight terminal XC5G-□□2P-1140 *1 XC5G-□□2P-1131 *2 XC5G-□□2P-1132 *3 
Number of contacts	32,64,100	32,64,100	48,64,96	48,64,96

\*1: Terminal type/ Straight, 4mm \*2: Terminal type/ Straight, 13mm \*3: Terminal type/ Straight, 17mm

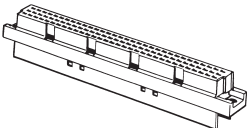
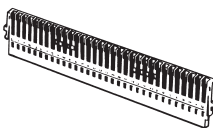
●XC5 DIN Connectors (4-Rows and 128 Contacts type)

	XC5M 4-Row Plugs		XC5N 4-Row Sockets
Shape	Standard DIN Right angle type terminal XC5M-0222  	DIN Style Right angle terminal XC5M-0222-1  	DIN Style 3 Straight terminal XC5N-0221  
Number of contacts	128		128

●XC6 DIN Connectors (Cable Connecting type)

	XC6D Center-holed 2-Row Flat Cables (DIN-C Models)		XC6H 3-Row Flat Cable (DIN-C Models)	
Shape	Socket XC6D-6421 	Strain relief XC6T-644 	Socket XC6H-9621 	Strain relief XC6T-644 
Number of contacts	64		96	

●XC6V DIN Connectors (IDC Connectors for Discretedwire)

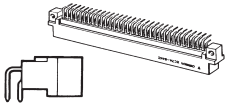

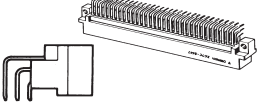

Shape	Unit housing XC6M-96 	Housing without contacts XC6T-32 
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# XC5/XC6/XC7/XC2/XC4

## DIN Connectors Series

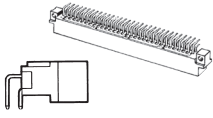
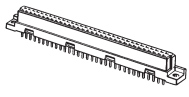

### Ordering Information

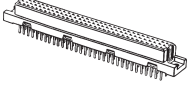
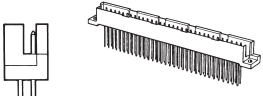
#### ●XC7 DIN Socket Sequence Connectors

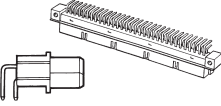
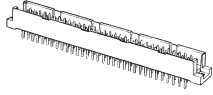
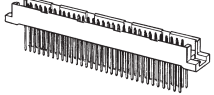
	XC7A 2-Row Plugs	XC7B 2-Row Sockets	XC7C 3-Row Plugs	XC7D 3-Row Sockets
Shape	Right angle terminal XC7A-□□42-N001 *1 	Straight terminal XC7B-□□41-N001 *1 XC7B-□□41-N003 *2 	Right angle terminal XC7C-9642-N001 *1 	Straight terminal XC7D-9641-N001 *1 
Number of contacts	64,90,100	64,90,100	96	96

\*1:N001→Normal \*2:N003→Sequence

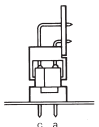
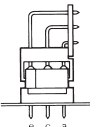
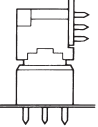
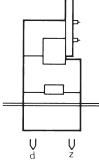
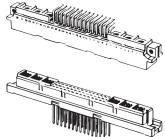
#### ●XC2 DIN Connectors

	XC2A 2-Row Plugs (DIN-B standard models)	XC2B 2-Row Sockets (DIN-B standard models)	XC2C 3-Row Plugs (DIN-C standard models)
Shape	Right angle terminal XC2A-6412 	Straight terminal XC2B-6411 	Straight wrapping terminal XC2B-6413 
Number of contacts	64	64	64,96

	XC2D 3-Row Sockets (DIN-C standard)	XC2E 2-Row Plugs (DIN-Q Reverse model)
Shape	Straight terminal XC2D-□□11 	Straight wrapping terminal XC2E-6413 
Number of contacts	64,96	64

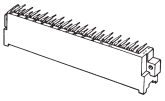
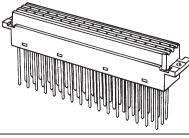
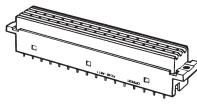
	XC2F 2-Row Sockets (DIN-Q Reverse model)	XC2G 3-Row Plugs (DIN-R Reverse model)	XC2H 3-Row Sockets (DIN-R Reverse model)
Shape	Right angle terminal XC2F-6412 	Straight terminal XC2G-□□11 	Straight wrapping terminal XC2G-□□13 
Number of contacts	64	64,96	64,96

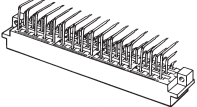
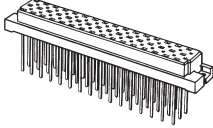
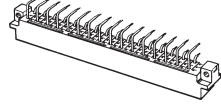
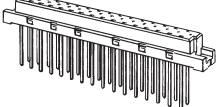
#### ●XC4 DIN types

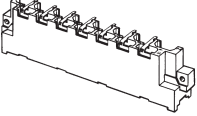
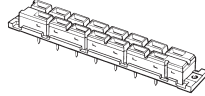
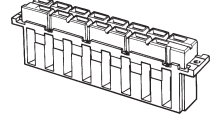
Models	XC4G/H	XC4E/F	XC4A/B	XC4K/L	XC4M/N
DIN	D	E	F	H	M
Shape					

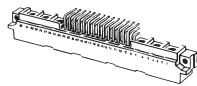
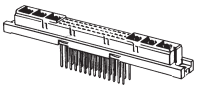


●XC4 DIN Connectors (Medium and High-current Connectors)

	XC4A Plugs (DIN-F)	XC4B Sockets (DIN-F)	
Shape	Right angle terminal XC4A-4812 	Straight terminal XC4B-4813 	Wrapping terminal XC4B-4811 
Number of contacts	48	48	

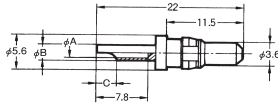
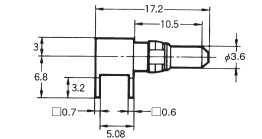
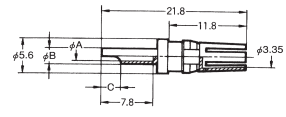
	XC4E Plugs (DIN-E)	XC4F Sockets (DIN-E)	XC4G Plugs (DIN-D)	XC4H Sockets (DIN-D)
Shape	Right angle terminal XC4E-□□12 	Wrapping terminal XC4F-□□13 	Right angle terminal XC4G-3212 	Wrapping terminal XC4H-3213 
Number of contacts	32,48	32,48	32	32

	XC4K Plugs (DIN-H)	XC4L Sockets (DIN-H)	XC4L Sockets(with Fastening Terminals)(DIN-H)
Shape	Right angle terminal XC4K-1542 	Straight terminal XC4L-1541 	with Fasten Terminal XC4L-1546 
Number of contacts	15	15	15

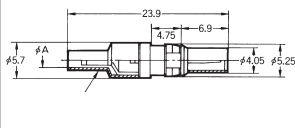
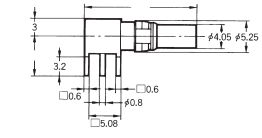
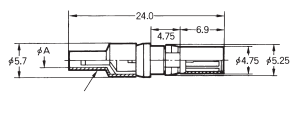
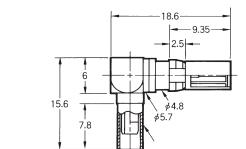
	XC4M Plugs (DIN-M)	XC4N Sockets (DIN-M)
Shape	Right angle terminal XC4M-□□12 	Straight wrapping terminal XC4N-□□13 
Number of contacts	2/78, 4/60, 6/42 *	2/78, 4/60, 6/42 *

\*: contacts/ Number of signal circuit poles

●XC4W High-current Contacts (for XC4M/XC4N)

	Plug with Solder Cup Terminal XC4W-□□11	Plug with L-shaped Solder Terminal XC4W-0412	Receptacle with Solder Cup Terminal XC4W-□□11
Shape			

●XC4W Co-axial Contacts for XC4M/XC4N

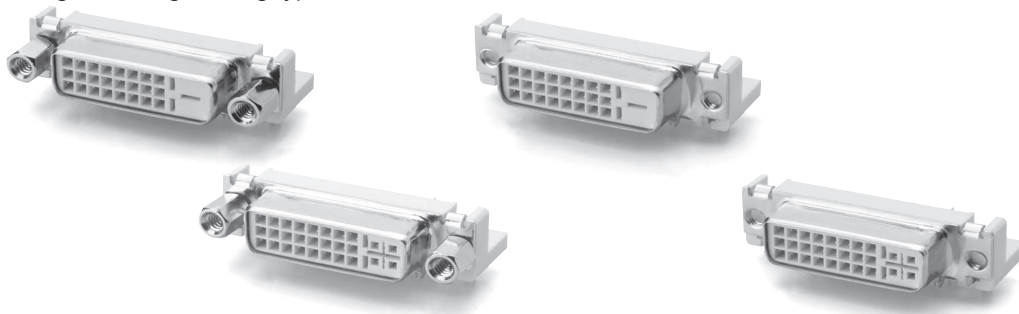
	XC4W-2111(φ2.2) XC4W-2211(φ3.2)	XC4W-2014	XC4W-3111(φ2.2) XC4W-3211(φ3.2)	XC4W-3112(φ2.2) XC4W-3212(φ3.2)
Shape				

# DVI Connectors

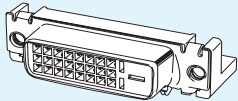
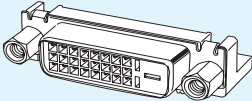
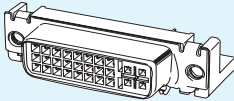
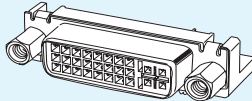
## XM4M

### OMRON DVI Connectors, Conforming to Digital Visual Interface (DVI) Standards, Transmit High-resolution Video Signals.

- Support not only the Transition Minimized Differential Signaling (TMDS), but also the conventional analog RGB transmission simultaneously.
- OMRON DVI connectors provide a bandwidth performance of maximum 2.5 GHz over analog interface.
- Support high bandwidth data transfer of maximum 9.9Gbps over digital dual link, addressing the bandwidth requirements of the next generation broadband.
- EMI shield indispensable to high-speed data transfer is fully prepared.
- Two types, digital and digital/analog sharing types, are available.



#### Ordering Information

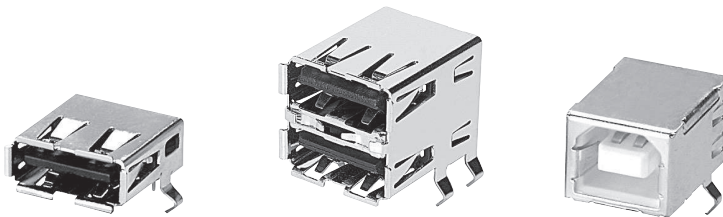
Type	Digital type		Digital/analog sharing type	
Accessories	Without Anchor	Inch screw (5.8 mm)	Without Anchor	Inch screw (5.8 mm)
Series	XM4M-2432-5012	XM4M-2432-1312	XM4M-2932-5012	XM4M-2932-1312
Shape				

# USB Connectors

## XM7

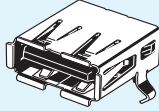
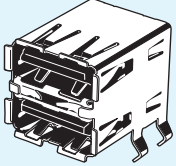
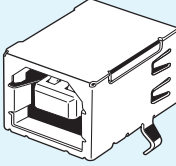
### New Compact Interface Connectors Conforming to USB Standards

- Allows connecting or disconnecting of active lines with power supplied to devices
- Structure of high resistance to twisting force during connecting or disconnecting
- Socket model A is for personal computers and USB hubs while socket model B is for peripheral devices, such as the modem, scanner, or mouse of a personal computer.

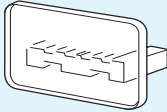
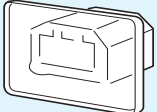


#### Ordering Information

##### ■ Sockets

Item	Type	A type with 1-tier	A type with 2-tier	B type
Shape		DIP Right Angle Terminal with kink terminal 	DIP Right Angle Terminal with kink terminal 	DIP Right Angle Terminal with kink terminal 
Series		XM7A-0442	XM7A-0442-A	XM7B-0442

##### ■ Dust Covers

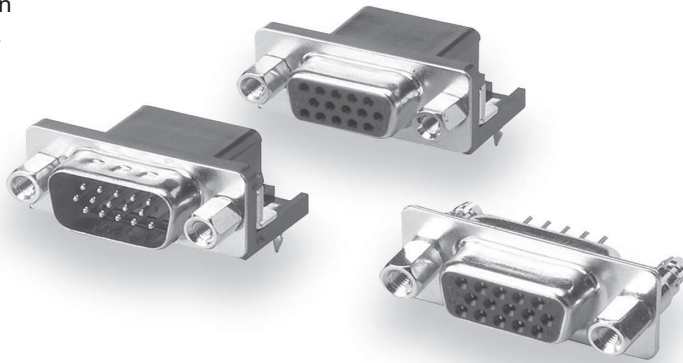
Item	Type	For A type	For B type
Shape			
Series		XM7Z-0001	XM7Z-0002

# XM4K/L

## High-density D-sub Connectors

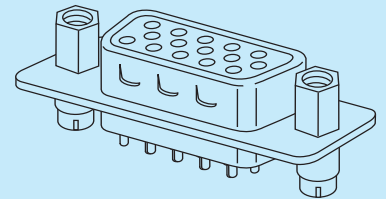
### High-density Connectors Ideal for Interfacing with Electronic Devices

- High-density construction with 15 poles in a standard 9-pole general-purpose shell.
- Shielded connectors that prevent EMI.

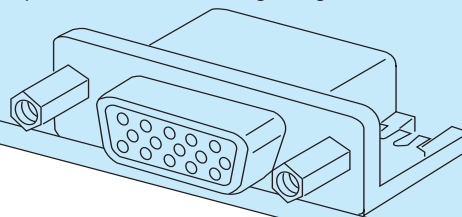


#### ■ Connection Examples

XM4L-1541-□□□  
15 Poles, Socket with DIP Straight Terminal

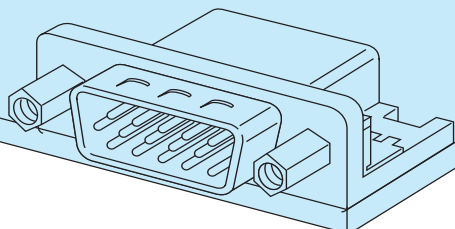


XM4L-1542-□□□  
15 poles, Socket with DIP Right Angle Terminal



Shape	<p>Socket right angle terminal XM4L-1542-132</p>	<p>Socket right angle terminal XM4L-1542-502</p>	<p>Socket straight terminal XM4L-1541-132</p>	<p>Socket straight terminal XM4L-1541-502</p>
	<p>Plug right angle terminal XM4K-1542-132</p>	<p>Plug right angle terminal XM4K-1542-502</p>		

XM4K-1542-□□□  
15 poles, Plug with DIP Right Angle Terminal



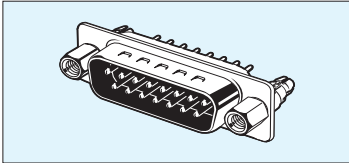
# XM2/XM3 D-sub Connectors

## D-sub Connectors Ideal for Interfacing with OA Equipment

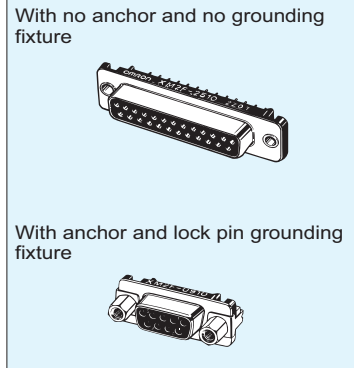
- D-sub Connectors Ideal for Interfacing with OA Equipment.
- Shielded connectors that prevent EMI.
- Noise can be suppressed effectively by using the XM2S Plastic Hood with metallic finish.
- XM3B-F multi-hole ferrite-core models are also available. Use these models to suppress high-frequency noise and save PCB mounting space.
- Compact and tough structure with a metal shell provided.
- A wide variety of mounting brackets and grounding metals are available.

### ■ Connection Examples

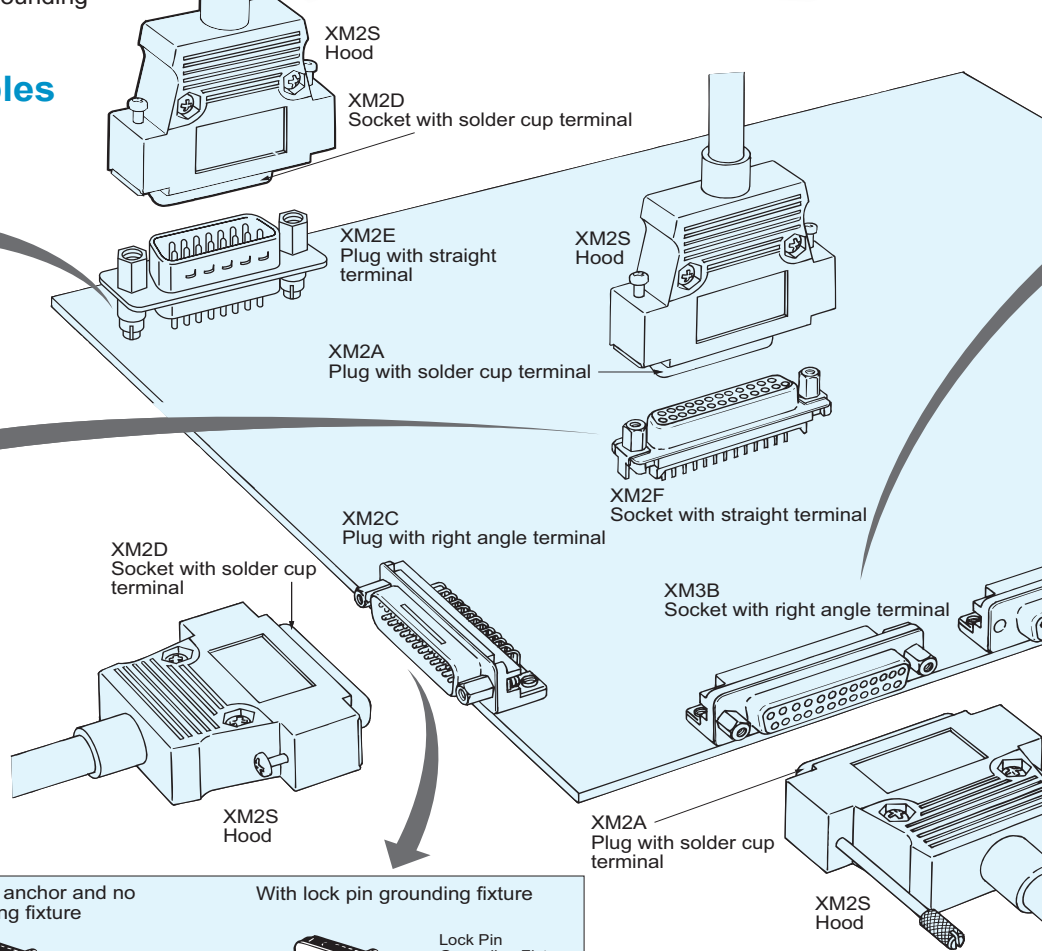
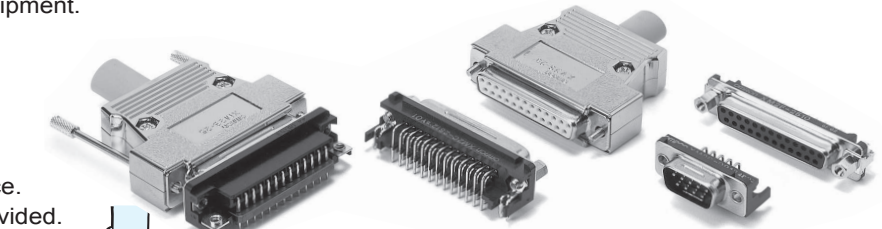
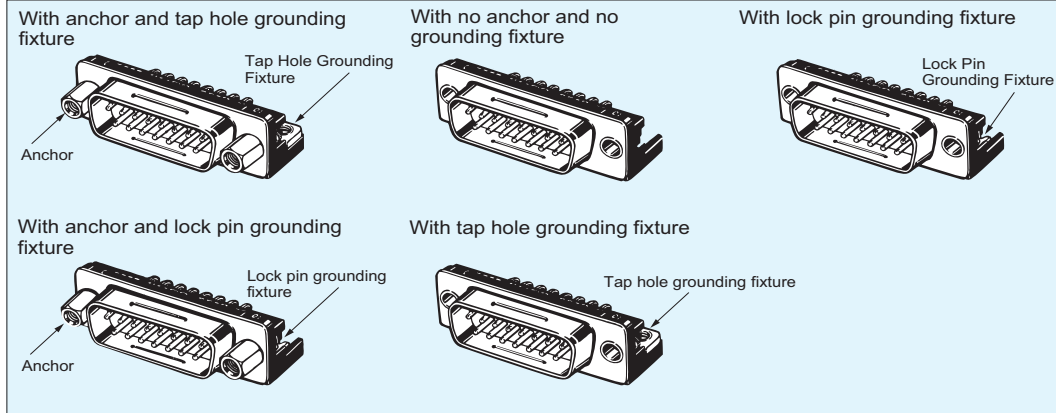
#### ■ XM2E Plug with straight terminal



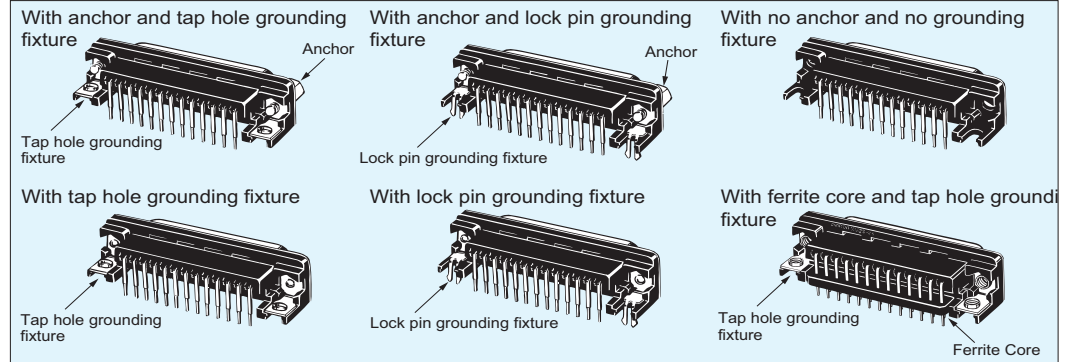
#### ■ XM2F Socket with straight terminal



#### ■ XM2C Plug with right angle terminal



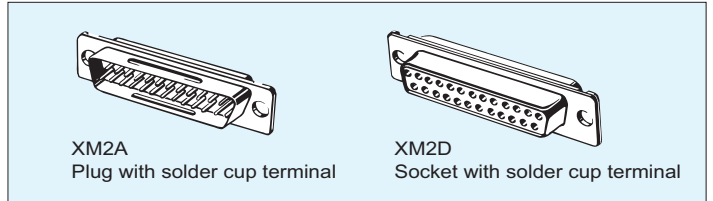
■XM2B Socket with right angle terminal



XM3B-F  
Socket with right  
angle terminal  
and ferrite core

XM2Z-007□  
Anchor 5 (Jackscrew)

■XM2A/D Solder cup terminal



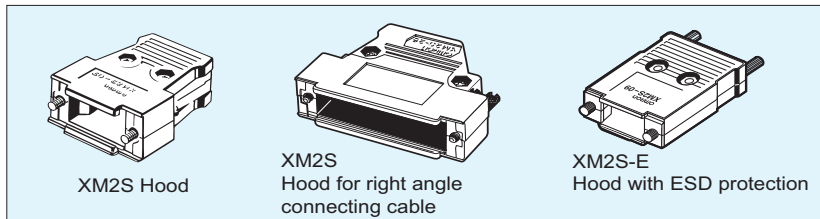
■XM4Z Anchoe

●“Easy-to-use” OMRON connectors ●

Shape			
Type of lock screw	M2.6 × 0.45	M3 × 0.5	#4-40 UNC

It can be identified type of lock screw by the appearance

■XM4S Hood



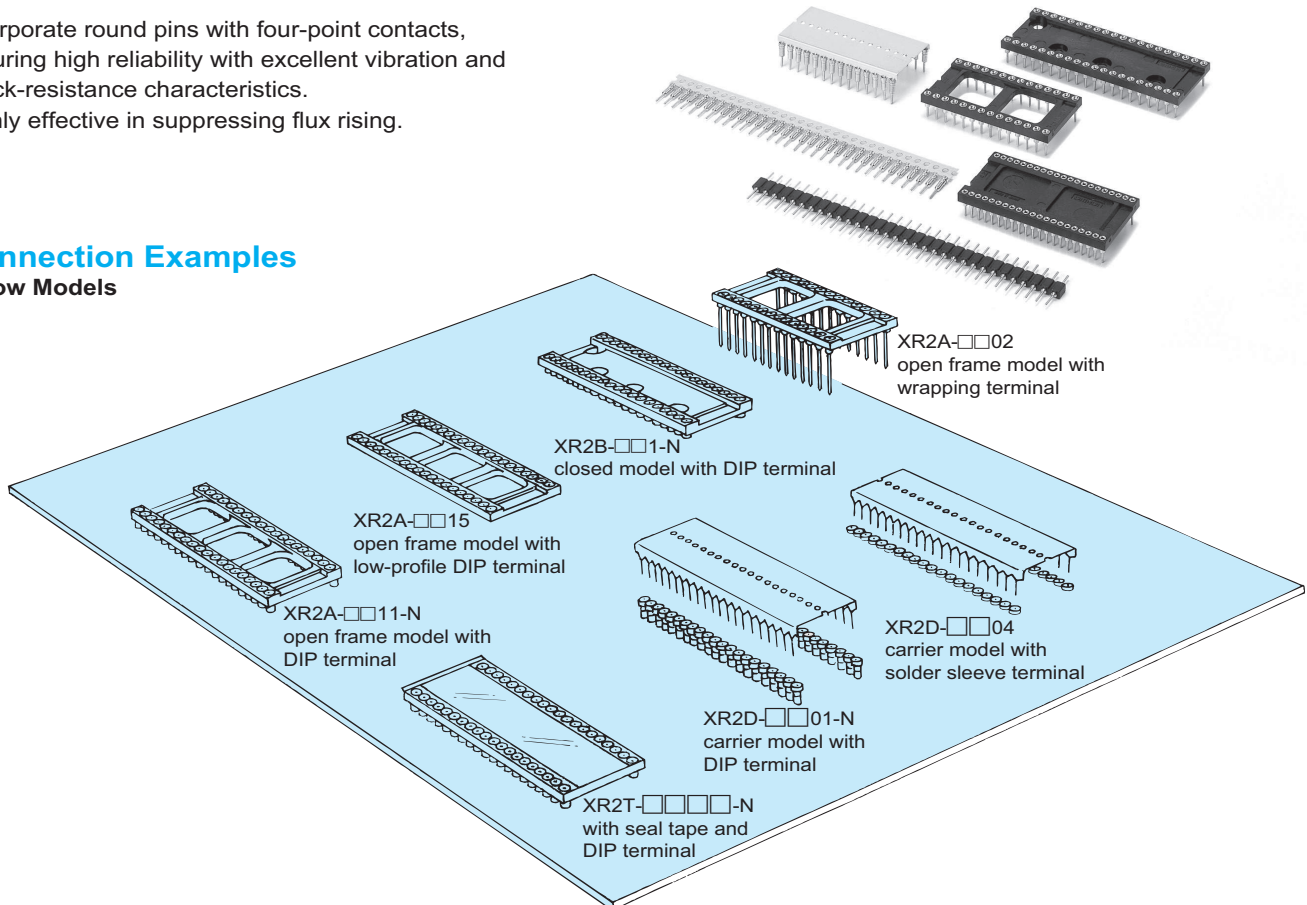
# XR2/XR3 IC Sockets

## Highly Reliable Sockets That Withstand Instantaneous Signal Failures - Ideal for High-speed Data Processing Circuits

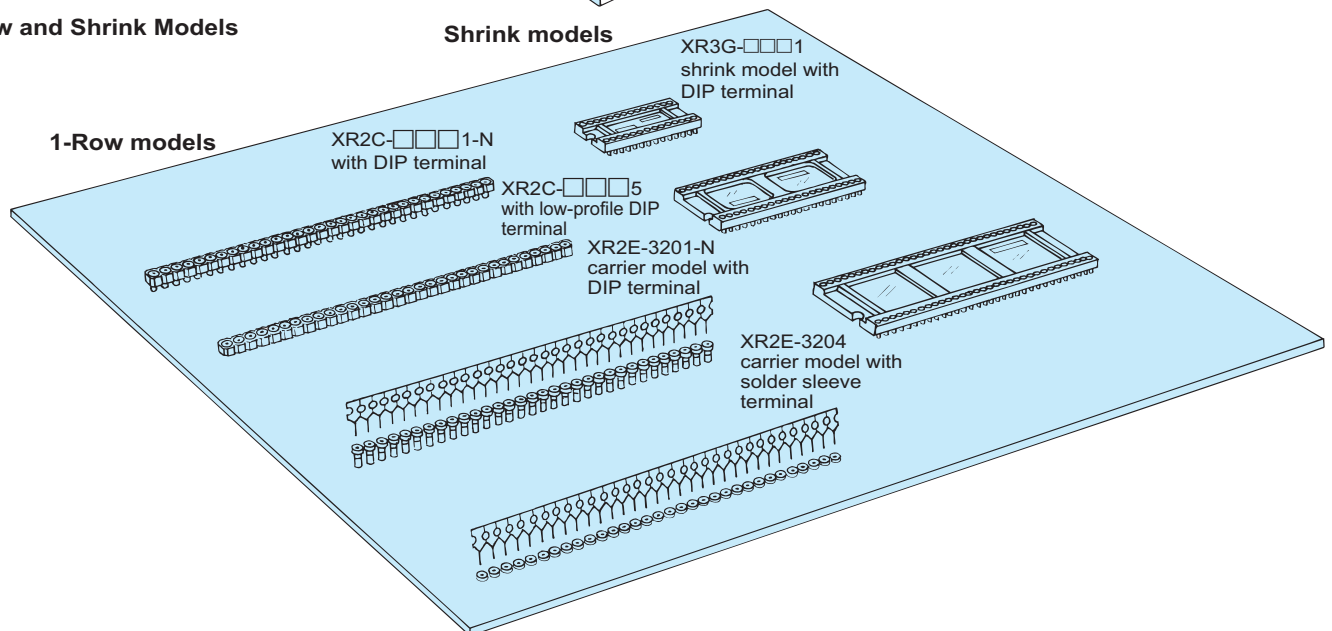
- Incorporate round pins with four-point contacts, ensuring high reliability with excellent vibration and shock-resistance characteristics.
- Highly effective in suppressing flux rising.

### Connection Examples

#### ● 2-Row Models

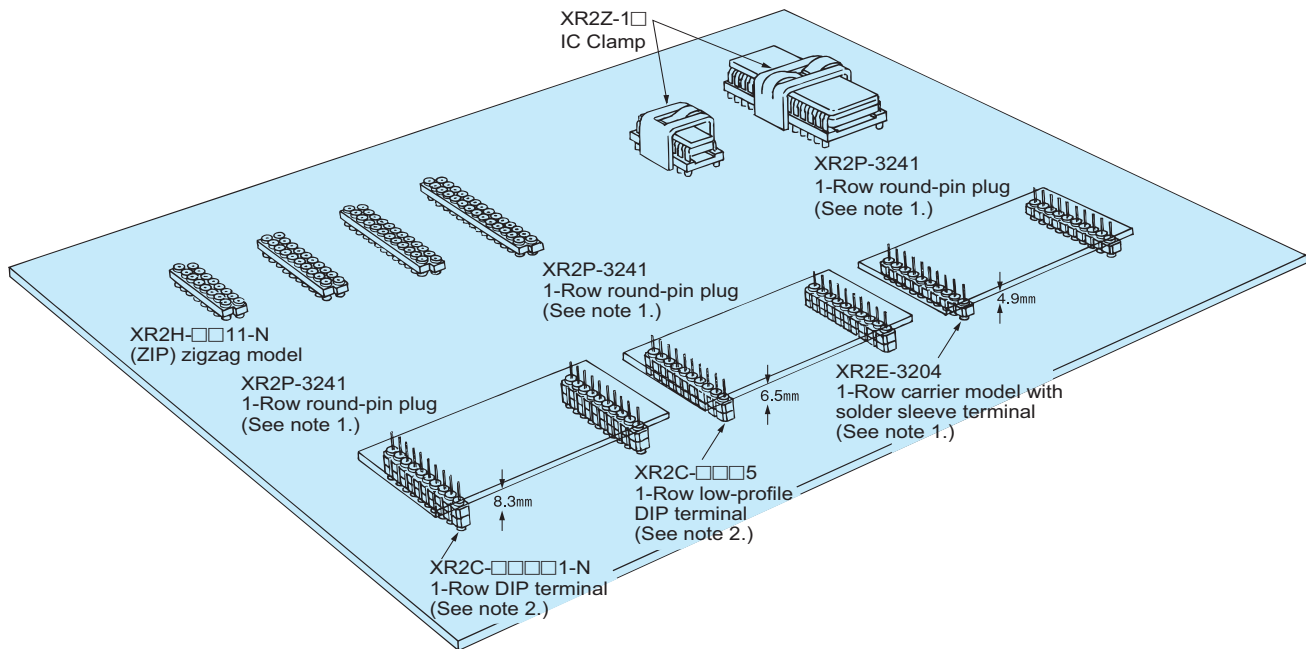


#### ● 1-Row and Shrink Models





●(ZIP) Zigzag Sockets, Round-pin Plugs, and IC Clamps

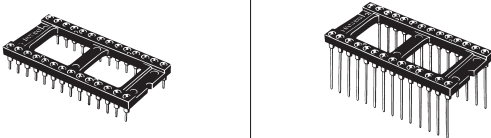


Note 1: A standard model has 32 poles. Cut the plug to the appropriate number of poles.  
 2: A standard model has 32 or 20 poles. Cut the plug to the appropriate number of poles.

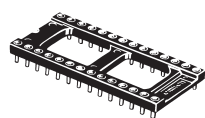
# XR2/XR3 IC Sockets

## Ordering Information


### ●XR2A Open frame models

Shape	DIP terminal XR2A-□□11-N *1 XR2A-2463-N *1 (See Note 1) XR2A-2473-N *1 (See Note 2) XR2A-□□01-N *2 XR2A-2461-N *2 (See Note 1) XR2A-2471-N *2 (See Note 2) XR2A-□□21-N *3 XR2A-2467-N *3 (See Note 1) XR2A-2477-N *3 (See Note 2)	Wrapping terminal XR2A-□□02
		
Number of contacts	8, 14, 16, 18, 20, 22, 24, 28, 32, 40, 42, 48, 50, 64	

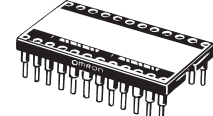
### ●XR2A Open frame models (Low-profile DIP terminal)

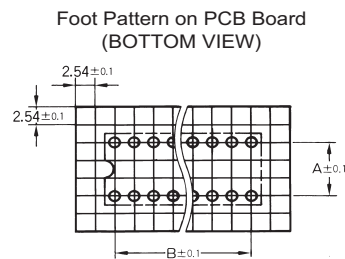
Shape	Low-profile DIP terminal XR2A-□□15 *1 XR2A-2466 *1 (See Note 1) XR2A-2476 *1 (See Note 2) XR2A-□□05 *2 XR2A-2465 *2 (See Note 1) XR2A-2475 *2 (See Note 2) XR2A-□□25 *3 XR2A-2468 *3 (See Note 1) XR2A-2478 *3 (See Note 2)
	
Number of contacts	8, 14, 16, 18, 20, 22, 24, 28, 32, 40, 42, 48, 64

### ●XR2B Closed models

Shape	DIP terminal XR2B-1611-N *1 XR2B-1601-N *2	DIP terminal XR2B-□□11-N *1 XR2B-□□01-N *2
		
Number of contacts	16, 24, 28, 32, 40	

### ●XR2T Open frame models with sealing tape

Shape	DIP terminal XR2T-□□11-N *1 XR2T-2463-N *1 (See Note 1) XR2T-2473-N *1 (See Note 2) XR2T-□□01-N *2 XR2T-2461-N *2 (See Note 1) XR2T-2471-N *2 (See Note 2) XR2T-□□21-N *3 XR2T-2467-N *3 (See Note 1) XR2T-2477-N *3 (See Note 2)
	
Number of contacts	8, 14, 16, 18, 20, 22, 24, 28, 32, 40, 48



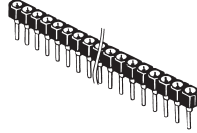
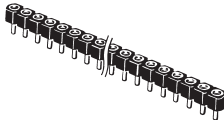

Dimension Table

Number of contacts	Pitch (mm)	A	B
8		7.62	7.62
14		7.62	15.24
16		7.62	17.78
18		7.62	20.32
20		7.62	22.86
22		10.16	25.40
24		15.24	27.94
24*		10.16	27.94
24**		7.62	27.94
28		15.24	33.02
32		15.24	38.10
40		15.24	48.26
42		15.24	50.80
48		15.24	58.42
50		22.86	60.96
64		22.86	78.74

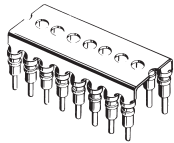
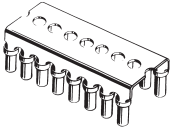
Note 1: Please refer to 24\* in Dimension Table.  
Note 2: Please refer to 24\*\* in Dimension Table.

\*1: Au 0.25μm \*2: Au 0.75μm \*3: Au flash

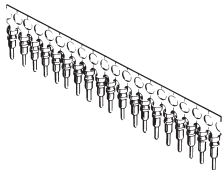
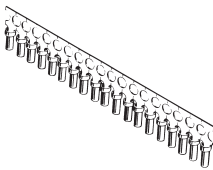
●XR2C 1-Row Connectors

Shape	DIP terminal XR2C-□□11-N *1 XR2C-□□01-N *2 XR2C-□□21-N *3	Low-profile DIP terminal XR2C-□□15 *1 XR2C-□□05 *2 XR2C-□□25 *3	Wrapping terminal XR2C-□□02 *2
			
Number of contacts	10,16,20,32	20,32	20,32

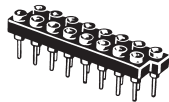
●XR2D 2-Row carrier models

Shape	DIP terminal XR2D-□□01-N *2	Solder sleeve terminal XR2D-□□04 *2
		
Number of contacts	8, 14, 16, 18, 20, 24, 28, 32, 40	

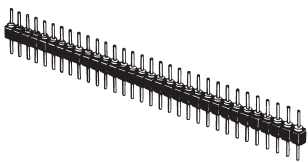
●XR2E 1-Row carrier models

Shape	DIP terminal XR2E-3201-N *2	Solder sleeve terminal XR2E-3204 *2
		
Number of contacts	32	




●XR2H ZIP (Zigzag) connectors

Shape	DIP terminal XR2H-□□11-N *1
	
Number of contacts	16,20,24,28

●XR2P 1-Row round-pin plugs

Shape	Straight terminal XR2P-□□41
	
Number of contacts	10,16,20,32

●Accessory

Shape	IC Clamps XR2Z-11	IC Clamps XR2Z-13	IC Puller XY2C-0101 XY2C-0103
			

# Safety Standard

## UL (Underwriters Laboratories Inc.)



### ● Connectors

Model	Number of contacts	Rating	Standard No.	File No.		
XH2A XH2B	20,30,40,50,60,68,80,100	0.5A AC 125V	UL1950	E103202		
XH3A XH3B	20,30,40,50,60,68,80,100,120					
XH4A	40,60,80,100 (not including SMT pins)					
XC5A	20,32,44,50,64,100	2A AC 300V	UL478	E103202		
XC5B	20,32,44,50,64,100					
XC5C XC5D	32,48,64,96					
XC5E	20,32,44,50,64,100					
XC5F	20,32,44,50,64,100					
XC5G XC5H	48,64,96					
XG4A XG4C	10,14,16,20,26,30,34,40,50, 60,64	3A AC 300V	UL478	E103202		
XG4S XG4T	10,14,16,20,26,30,34,40,50, 60,64	1A AC 250V				
XG4E XG4M	10,14,16,20,26,30,34,40,50, 60,64	3A max. AC 300V				
XG5M	10,14,16,20,26,30,34,40,50,60,64					
XJ8A	02					
XJ8B	02,03,04,05,06,07,08,09,10,11 12,13,14,15,16				2A AC 300V	
XJ8C	02,04,06,08,10,12,14,16	5A AC 300V			UL478	E103202
XJ8D	03,06,09,12,15,18,21,24					
XM3B	09,15,25,37	5A AC 300V			UL478	E103202
XR2A	08,14,16,18,20,22,24,28,32,40 42,48,50,64	1A AC 300V				
XR2B	16,24,28,40					
XR2C	03,04,05,06,07,08,09,10,11, 12,13,14,15,16,18,20,21,22, 23,24,26,28,30,32,64					
XR2D	08,14,16,18,20,24,28,32,40					
XR2E	02,04,08,30,32					
XR2T	08,14,16,18,20,22,24,28,32, 40,48					

## ■ CSA(Canadian Standards Association)



### ● Connectors

Model	Number of contacts	Rating	File No.
XC5A	20,32,44,50,64,100	2A AC 300V	LR62678
XC5B	20,32,44,50,64,100		
XC5C,XC5D	32,48,64,96		
XC5E	20,32,44,50,64,100		
XC5F	20,32,44,50,64,100		
XC5G,XC5H	48,64,96		

# Omron Electronic Components, LLC

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### I. GENERAL

- Definitions:** The words used herein are defined as follows.
  - Terms:** These terms and conditions
  - Seller:** Omron Electronic Components LLC and its subsidiaries
  - Buyer:** The buyer of Products, including any end user in section III through VI
  - Products:** Products and/or services of Seller
  - Including:** Including without limitation
- 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.
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- 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.
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  - Delivery and shipping dates are estimates only; and
  - Seller will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
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  - Use in consumer Products or any use in significant quantities.

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  - Systems, machines, and equipment that could present a risk to life or property.
- 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.
  - Motorized Vehicle Application:** USE OF ANY PRODUCT/S FOR A MOTORIZED VEHICLE APPLICATION MUST BE EXPRESSLY STATED IN THE SPECIFICATION BY SELLER.
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- Severability:** If any provision hereof is rendered ineffective or invalid, such provision shall not invalidate any other provision.

# OMRON

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**OMRON CANADA. INC**  
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**Authorized Distributor:**

Note: Specifications subject to change without notice.

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