

# 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



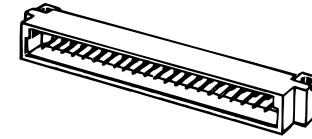
#### ● Fine-fit (press-fit) Models with Multi-tier Stacking

Press-fit connector (with no soldering)

Backplane housing

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

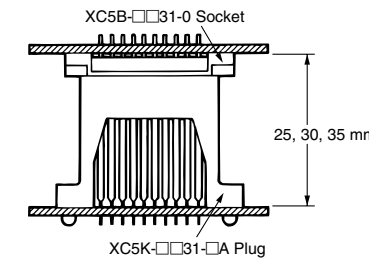
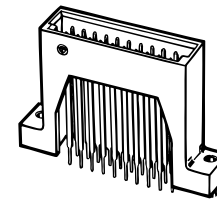
### XC5 DIN-style Connectors



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

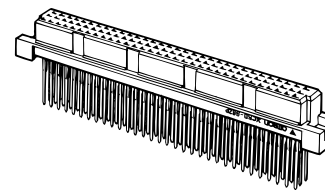
- Designed for PCB surface mounting and ideal for automatic soldering.

### XC5K High-profile Stacking Connectors

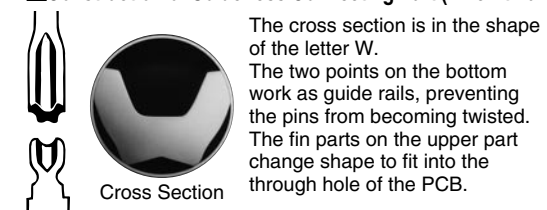


- Corresponding to a stacking height of 25, 30, or 35 mm.

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

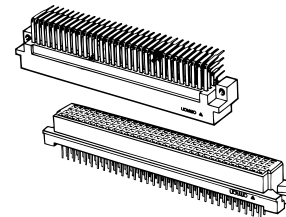


#### ■ Construction of Solderless Connecting Part (Fine-fit Part)



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

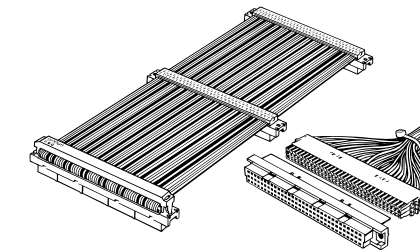
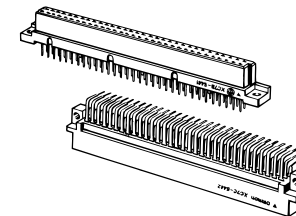
### XC5M DIN Connectors in 4 Lines with 128 Connector Poles



	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

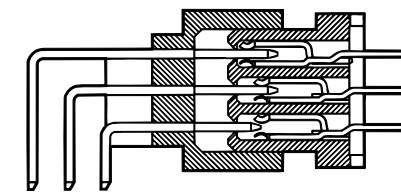
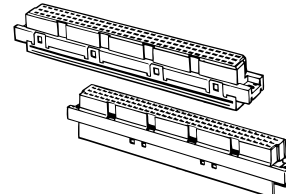
- Multi-pole connectors in 4 lines with 128 poles based on the DIN concept.

### XC6 Cable Connectors



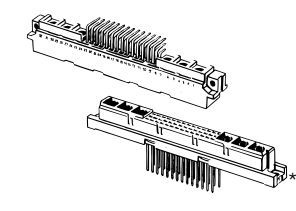
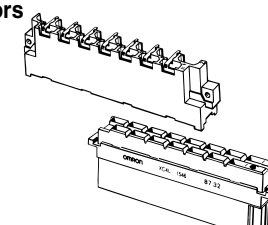
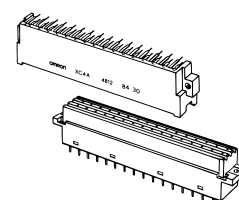
- Ideal for connecting to a variety of bus lines for rack systems.
- Allow backplanes to be constructed with ease.
- Models with 96 connector poles and models with 64 connector poles and a center-holed construction are available.

### 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



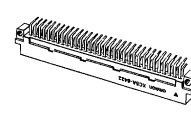
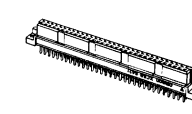
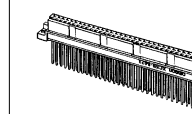
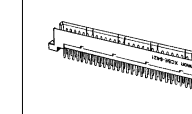
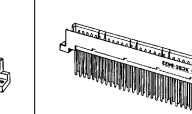
- Carry 6 to 40 A for PCB-to-PCB or PCB-to-wire applications.

\*1 (high frequency model available)

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

## Ordering Information

### XC5 DIN Connectors

	XC5A 2-Row Plugs (DIN-B Standard Models)	XC5B 2-Row Sockets (DIN-B Standard Models)	XC5E DIP Plugs (DIN-Q Reverse Models)		
Shape	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		

	XC5F 2-Row Sockets (DIN-Q Reverse Models)	XC5C 3-Row Plugs (DIN-C Standard Models)	XC5D 3-Row Sockets (DIN-C Standard Models)	
Shape	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	

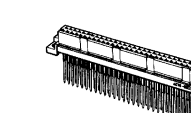
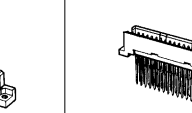
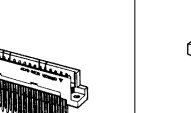
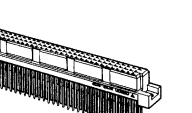
	XC5G 3-Row Plugs (DIN-R Reverse Models)	XC5H 3-Row Sockets (DIN-R Reverse Models)
Shape	Straight terminal XC5G-□□21 	Straight wrapping terminal XC5G-□□23 
Number of contacts	48,64,96	48,64,96

### XC5 DIN Connectors (Twin-contact Model)

	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)
Shape	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	20,24,26,30,32,44,50,60,64,90,100	10,14,16,20,24,26,30,32,40,44,50,60,64,80,90,100	10*,14*,20,24*,30,32,40*,44,50,60,64,80,90,100	20,30,32,40,44,50,60,64,90,100

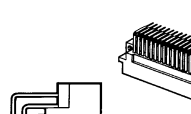
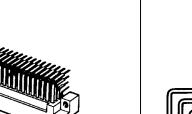
	XC5K High-profile Stacking Plugs	XC5C 3-Row Plugs (DIN Style 1)	XC5D 3-Row Sockets (DIN Style Compatible)	XC5H 3-Row Sockets (DIN Style 1)
Shape	XC5K-□□31-4A with 35-mm-pitch Straight terminal XC5K-□□31-3A with 30-mm-pitch Straight terminal XC5K-□□31-2A with 25-mm-pitch Straight terminal 	Right angle terminal XC5C-□□82-1 	Straight terminal XC5D-□□31-0 	Right angle terminal XC5H-□□32-1 
Number of contacts	16,20,32	64,96	64,96	64,96

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

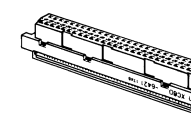
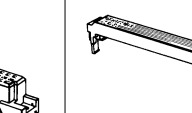
	XC5B 2-Row Sockets (DIN-B Fine-fit, W-terminal Models)	XC5E 2-Row Plugs (DIN-Q Fine-fit, W-terminal Models)	XC5D 3-Row Sockets (DIN-C Fine-fit, W-terminal Models)	XC5G 3-Row Plugs (DIN-R Fine-fit, W-terminal Models)
Shape	Straight terminal XC5B-□□2P-1140 *1 XC5B-□□2P-1131 *2 XC5B-□□2P-1132 *3 	Straight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

### XC6V DIN Connectors (IDC Connectors for Discretedwire)

	Unit housing XC6M-96	Housing without contacts XC6T-32
Shape		