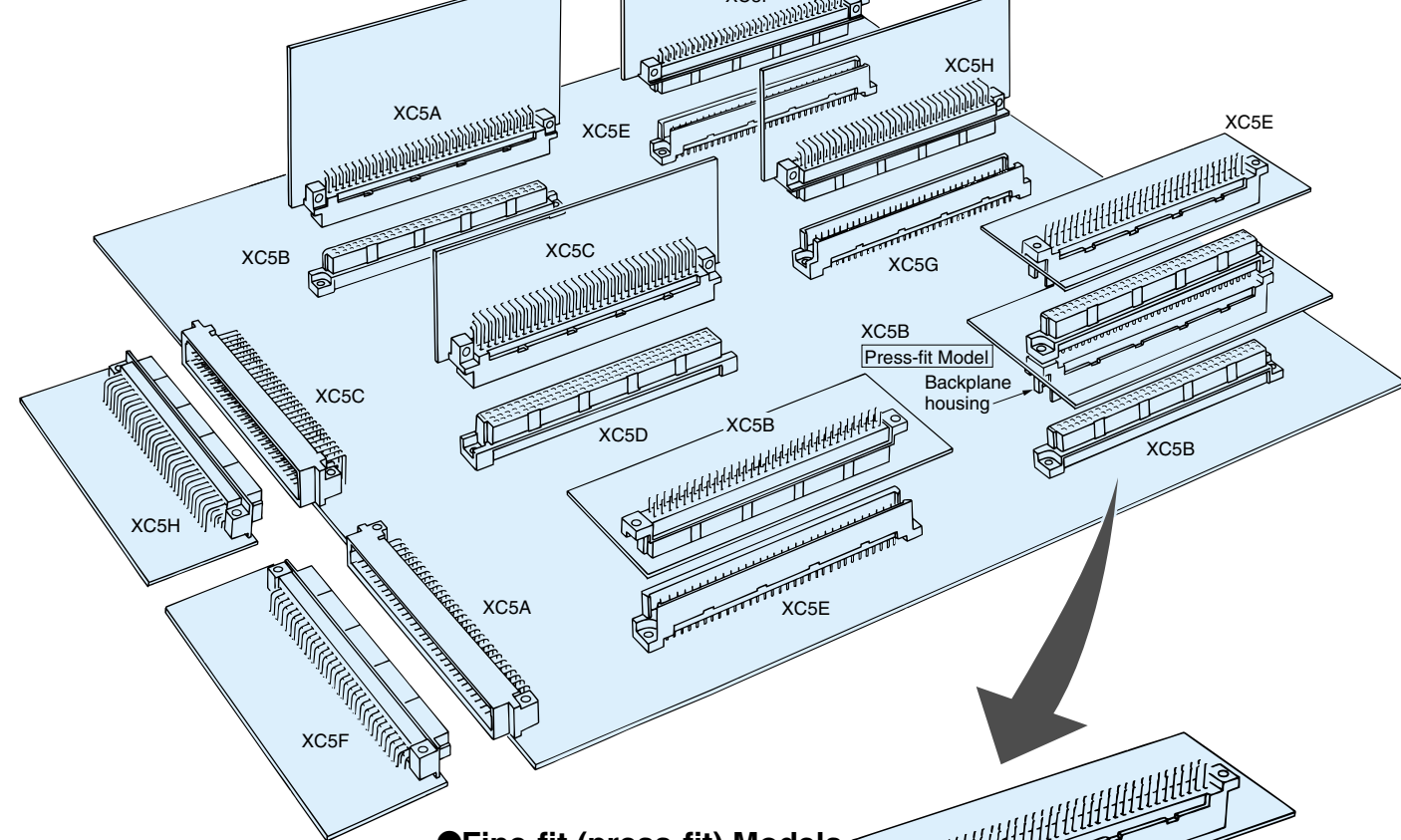# XC5/XC6/XC7/XC2/XC4
DIN Connectors Series

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

XC5F
XC5H
XC5A
XC5E
XC5E
XC5B
XC5C
XC5G
XC5B
Press-fit Model
Backplane housing
XC5C
XC5D
XC5B
XC5B
XC5H
XC5A
XC5E
XC5F

● 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

XC5B-□□31-0 Socket
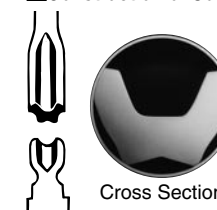25, 30, 35 mm
XC5K-□□31-□A Plug

● Corresponding to a stacking height of 25, 30, or 35 mm.
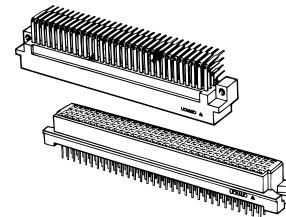
XC5 Fine-fit (press-fit) Connectors

■ 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.

Cross Section

● 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

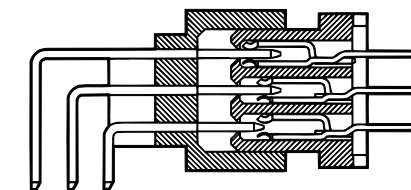|	XC5M standard DIN model	XC5M-1 DIN style 1	XC5N DIN style 3
Shape	Plug Right angle terminal	Plug Right angle terminal	Socket Straight terminal

● Multi-pole connectors in 4 lines with 128 poles based on the DIN concept.
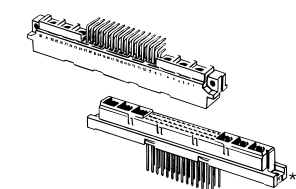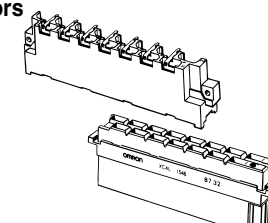
XC6 Cable Connectors

● 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.
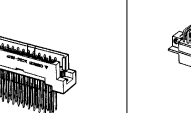
*1(high frequency model available)

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	Right angle terminal XC5H-□□22
Number of contacts	48,64,96		48,64,96

● XC5 DIN Connectors (Twin-contact Model)

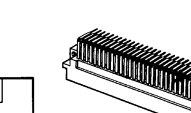|	XC5A 2-Row Plugs (DIN Style 1)	XC5B 2-Row Sockets (DIN-style Compatible Models)	XC5E 2-Row Plugs (DIN Style 2)	XC5F 2-Row Sockets (DIN Style 2)
Shape	Right angle terminal XC5A-□□82-1	Straight terminal XC5B-□□31-0(with coding key) XC5B-□□31-3	Straight terminal XC5E-□□81-2 XC5E-□□81-3 *	Right angle terminal 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

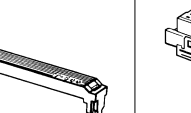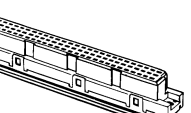#### ● XC5 DIN Connectors (Fine-fit, W-shaped terminal type)

	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	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)

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