OMRON DIN-style Twin-contact Connectors

Expanding the DIN Concept

- Mates with DIN connectors.
- Ideal for automated soldering because the Connectors sit on top of the board.
- Mounting dimensions of the DIN Style-1 Connectors are the same as the DIN connector.
- DIN Style-2 Connectors have widened dimensions for ease of mounting.
- Conform to UL standards (file no. E103202) and CSA standards (file no. LR 62678). (Except XC5K models)

RoHS Compliant

■ Ratings and Characteristics

Rated current	2 A
Rated voltage	300 VAC
Contact resistance	20 m Ω max. (at 20 mV, 100 mA max.)*
Insulation resistance	10^6 M Ω min. (at 100 VDC)
Dielectric strength	1,000 VAC for 1 min (leakage current: 1 mA max.)
Total insertion force	0.59 N max. per contact
Removal force	0.15 N min. (with test gauge, t = 0.56 mm)
Insertion durability	50 times
Ambient operating temperature	Operating: -55 to 125°C (with no icing)

*The XC5K is 30m Ω max. (at 20 mV DC max., 100 mA max.)



Materials and Finish

Туре		Plugs	Sockets
Housings		Fiber-glass reinforced PBT resin (UL94V- 0)/gray	
Contacts	Mating end	Brass/nickel base, 0.15-μm gold plat- ing	Phosphor bronze/ nickel base, 0.15- µm gold plating
	Terminal	Brass/nickel base, 2.0-µm tin plating	Phosphor bronze/ nickel base, 2.0-µm tin plating

(unit: mm)

XC5C Triple-row Plugs, DIN Style 1

■ Dimensions



■ Ordering Information

No. of contacts	Terminal type	Model
64*	Right-angle DIP terminals	XC5C-6482-1
96		XC5C-9682-1

*Has no center row (row b).

Mouser Electronics

Authorized Distributor

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Omron: XC5C-6482-1