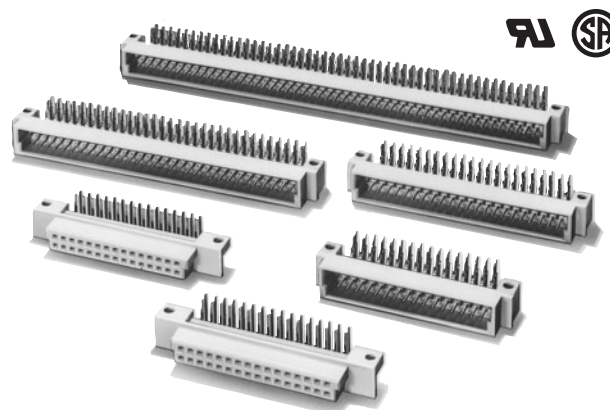# OMRON

DIN-style Twin-contact Connectors | XC5

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 mΩ max. (at 20 mV, 100 mA max.)*
Insulation resistance	10^6 MΩ 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 30mΩ max. (at 20 mV DC max., 100 mA max.)

■ Materials and Finish

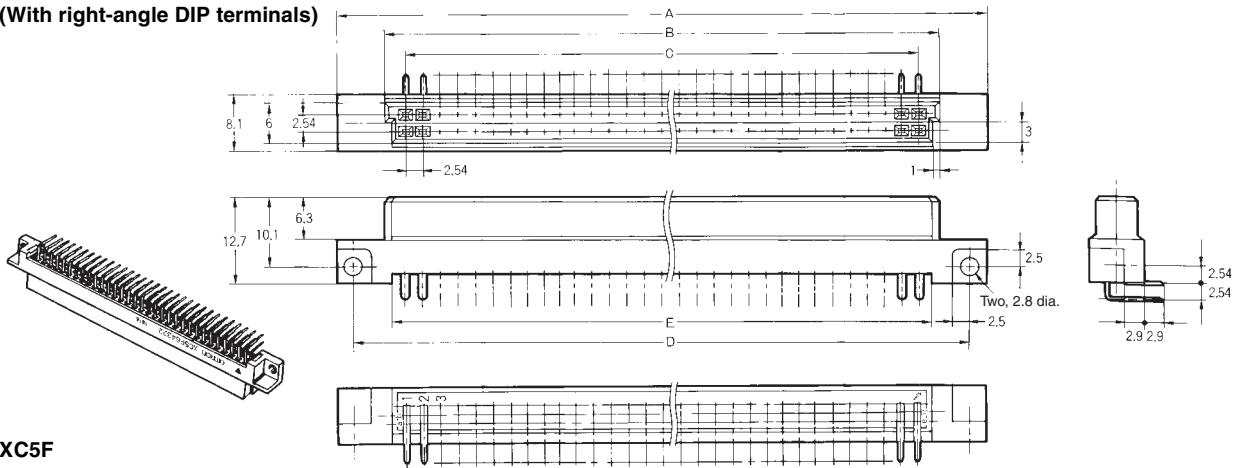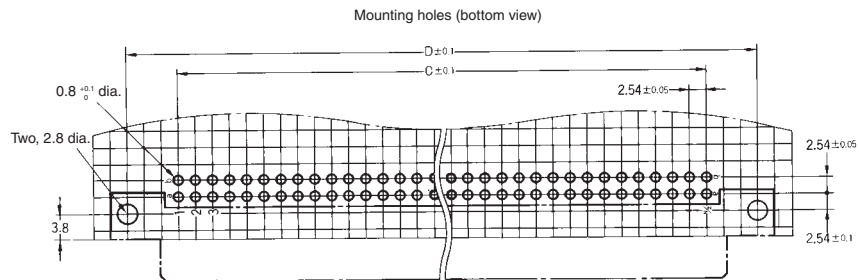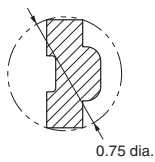| Type		Plugs	Sockets
Housings		Fiber-glass reinforced PBT resin (UL94V-0)/gray	
Contacts	Mating end	Brass/nickel base, 0.15-μm gold plating	Phosphor bronze/nickel base, 0.15-μm gold plating
	Terminal	Brass/nickel base, 2.0-μm tin plating	Phosphor bronze/nickel base, 2.0-μm tin plating

1

XC5F Double-row Sockets, DIN Style 2

■ Dimensions

(unit: mm)

XC5F-□□32-2
(With right-angle DIP terminals)

XC5F
DIP terminal cross-section view

Mounting holes (bottom view)

Note: Contact numbers are not marked on the product.

Dimensions

No. of contacts	Dimensions (mm)				
	A	B	C	D	E
20	43.0	29.1	22.86	38.10	27.0
30	55.7	41.8	35.56	50.80	39.7
32	58.2	44.4	38.10	53.34	42.2
44	73.5	59.6	53.34	68.58	57.5

No. of contacts	Dimensions (mm)				
	A	B	C	D	E
50	81.1	67.2	60.96	76.20	65.2
64	98.9	85.0	78.74	93.98	82.9
100	144.6	130.7	124.46	139.70	128.7

■ Ordering Information

No. of contacts	Terminal type	Model
20	**Right-angle DIP terminals**	XC5F-2032-2
30		XC5F-3032-2
32		XC5F-3232-2
44		XC5F-4432-2
50		XC5F-5032-2
64		XC5F-6432-2
100		XC5F-0132-2

Note: These Connectors cannot be coded. There is no Coding Key available for them.