

XF3C

Rotary Backlock Connector (0.25-mm Pitch, Dual-sided Contact)

This announcement is based on product catalogue information previously shown before its discontinuation
Product information of the existing product may be different from the previous version

For FPC

0.25-mm Pitch with Dual-sided Contact and Rotary Backlock Mechanism

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design.
- Dual-sided contact.
- Gold plated with an applicable FPC thickness of 0.12 mm.
- Halogen Free (*)

* OMRON uses the following standard to determine halogen-free construction: 900 ppm max. for Br, 900 ppm max. for Cl, and 1,500 ppm max. for Br+Cl.

RoHS compliant



Ratings and Specifications

Rated current	0.2 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	80 mΩ max. (at 20 mV DC max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 V DC)
Dielectric strength	250 V AC for 1 min. (leakage current: 1 mA max.)
Insertion durability	20 times
Ambient operating temperature	-30 to 85 °C (With no icing or condensation)

Materials and Finish

Housing	LCP resin (UL94 V-0)/natural
Slider	LCP resin (UL94 V-0)/black
Contacts	Spring copper alloy/nickel substrate (2 μm) Gold-plated contacts (0.15 μm)

Dimensions

(Unit: mm)

XF3C-□□45-41A

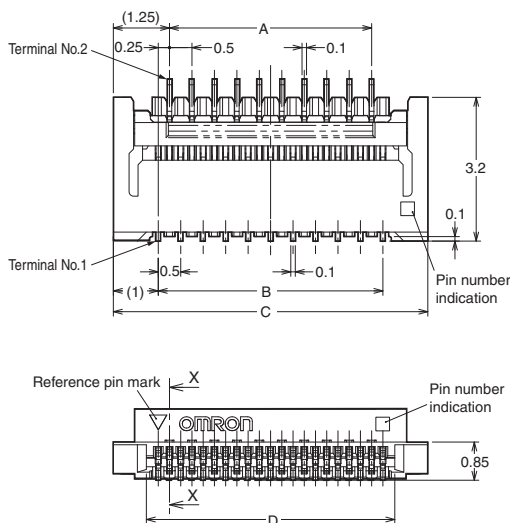
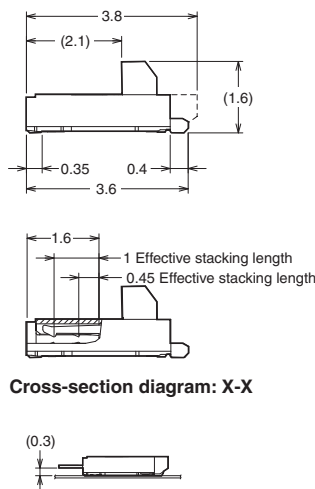


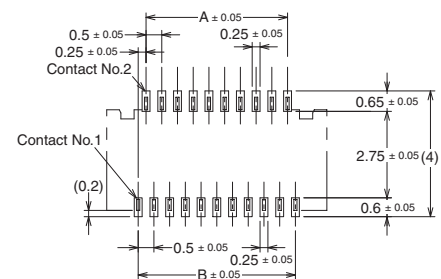
Table of Dimensions

Pins ^{*1}	Model	A	B	C	D
17	XF3C-1745-41A	3.5	4.0	6.0	4.55
19	XF3C-1945-41A	4.0	4.5	6.5	5.05
23	XF3C-2345-41A	5.0	5.5	7.5	6.05
25	XF3C-2545-41A	5.5	6.0	8.0	6.55
35	XF3C-3545-41A	8.0	8.5	10.5	9.05
45	XF3C-4545-41A	10.5	11.0	13.0	11.55
51	XF3C-5145-41A	12.0	12.5	14.5	13.05
59	XF3C-5945-41A	14.0	14.5	16.5	15.05

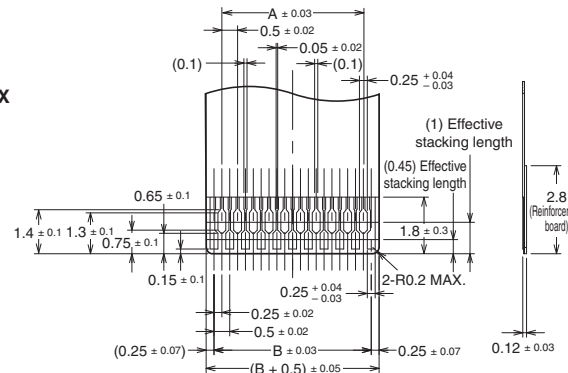


Cross-section diagram: X-X

PCB Dimensions (TOP VIEW)



Recommended FPC Dimensions



Ordering Information

Pins ^{*1}	Model	Quantity per reel (unit) ^{*2}
17	XF3C-1745-41A	2,000
19	XF3C-1945-41A	
23	XF3C-2345-41A	
25	XF3C-2545-41A	
35	XF3C-3545-41A	
45	XF3C-4545-41A	
51	XF3C-5145-41A	
59	XF3C-5945-41A	

- *1. Please consult your OMRON representative for available pin count.
*2. Please order by integer multiple of the quantity per reel.