

Rotary Backlock Connector (0.3-mm Pitch, Upper Contact)

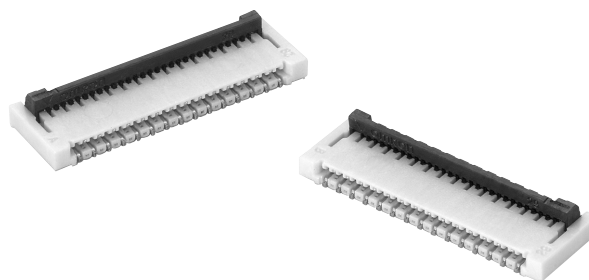
XF2C

Rotary Backlock Mechanism with 0.3 mm Pitch and Low Profile of 0.9 mm

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design
- Upper Contact
- Gold plated with an applicable FPC thickness of 0.12 mm
- Halogen Free (See note)

Note: 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



Ordering Information

Pins	Model	Quantity per reel (unit) (See Note)
17	XF2C-1755-41A	2,000
21	XF2C-2155-41A	
25	XF2C-2555-41A	
29	XF2C-2955-41A	
35	XF2C-3555-41A	
39	XF2C-3955-41A	
45	XF2C-4555-41A	
51	XF2C-5155-41A	

Note: Please order by integer multiple of the quantity per reel.

Ratings and Specifications

■ Characteristics

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 VDC)
Withstand voltage	250 VAC for 1 min. (leakage current: 1 mA max.)
Insertion tolerance	10 times
Ambient operating temperature	-30 to 85°C (with no icing or condensation)

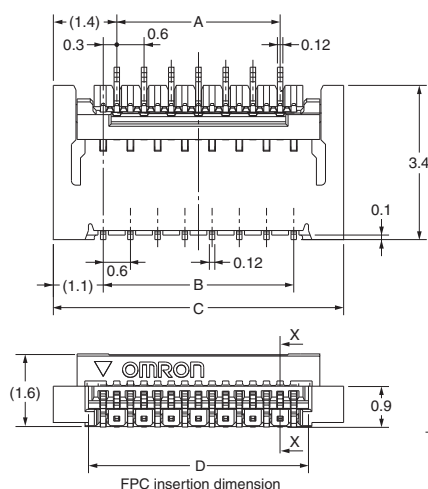
■ Materials and Finish

Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contacts	Spring copper alloy/nickel substrate (2 μm) Gold-plated contacts (0.15 μm)

Dimensions

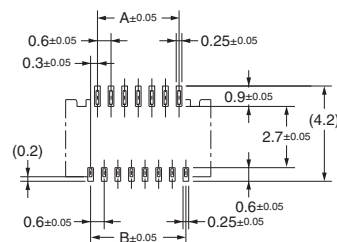
Unit: mm

XF2C-□□55-41A



Cross-section diagram :X-X

PCB Mating Dimensions (TOP VIEW)



Applicable FPC Dimensions

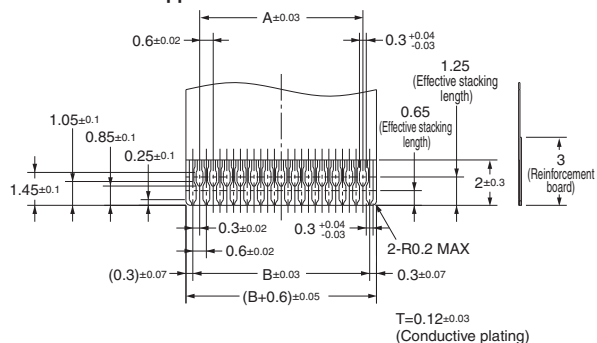


Table of Dimensions

Pins	Model	A	B	C	D
17	XF2C-1755-41A	4.2	4.8	7.0	5.5
21	XF2C-2155-41A	5.4	6.0	8.2	6.7
25	XF2C-2555-41A	6.6	7.2	9.4	7.9
29	XF2C-2955-41A	7.8	8.4	10.6	9.1
35	XF2C-3555-41A	9.6	10.2	12.4	10.9
39	XF2C-3955-41A	10.8	11.4	13.6	12.1
45	XF2C-4555-41A	12.6	13.2	15.4	13.9
51	XF2C-5155-41A	14.4	15.0	17.2	15.7

Omron Electronic Components, LLC

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