

Rotary Backlock Connector (0.3 mm-pitch, Dual Contact)

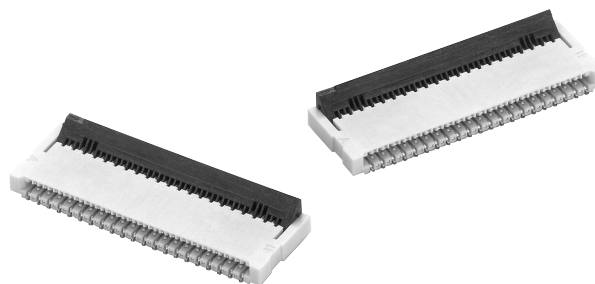
XF2B

Rotary Backlock Mechanism with 0.3 mm-pitch Design

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design
- Dual contact reduces the number of parts
- Gold plated with an applicable FPC thickness of 0.2 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 (Note 1)	Model	Quantity per reel (Note 2)
17	XF2B-1745-31A	1,500
21	XF2B-2145-31A	
23	XF2B-2345-31A	
25	XF2B-2545-31A	
27	XF2B-2745-31A	
31	XF2B-3145-31A	
33	XF2B-3345-31A	
35	XF2B-3545-31A	
39	XF2B-3945-31A	
41	XF2B-4145-31A	
45	XF2B-4545-31A	
51	XF2B-5145-31A	
61 (See note2)	XF2B-6155-31A	

Note: 1. Please order by integer multiple of the quantity per reel.
2. Upper contact

Ratings and Specifications

■ Characteristics

Rated current	0.2 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	50 mΩ max. (at 20 mV 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	20 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

XF2B-□□□5-31A

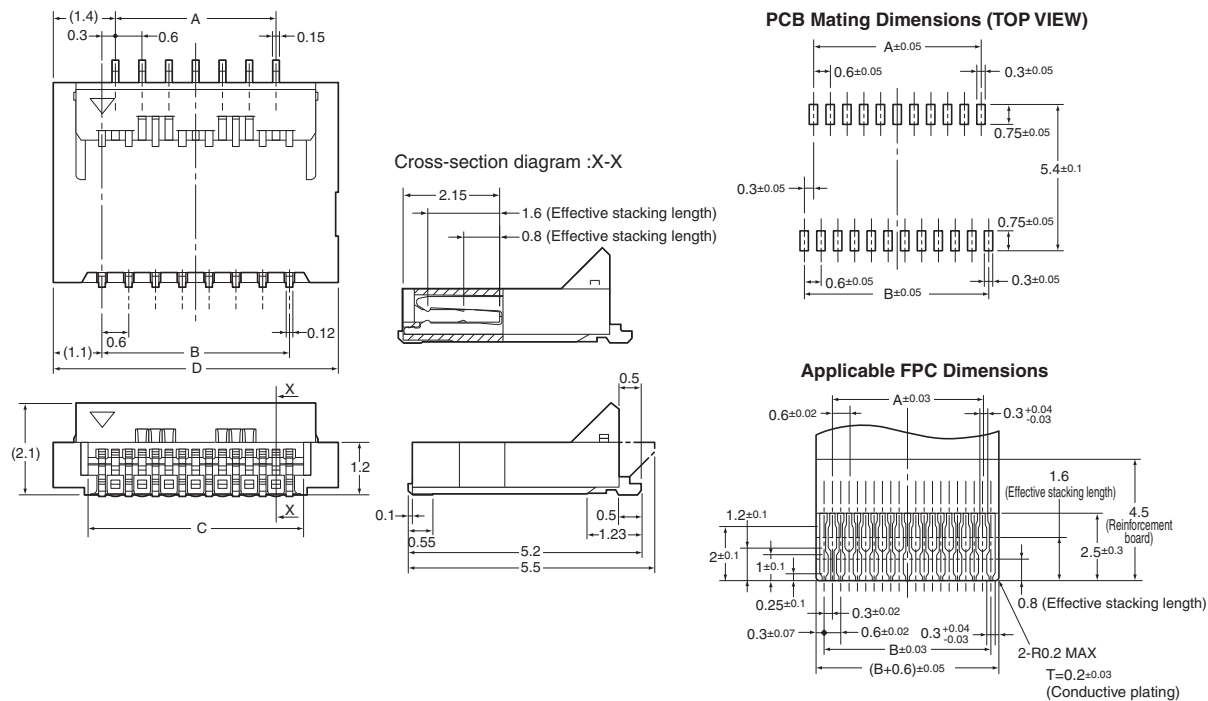


Table of Dimensions

Pins	Model	A	B	C	D
17	XF2B-1745-31A	4.2	4.8	5.5	7.0
21	XF2B-2145-31A	5.4	6.0	6.7	8.2
23	XF2B-2345-31A	6.0	6.6	7.3	8.8
25	XF2B-2545-31A	6.6	7.2	7.9	9.4
27	XF2B-2745-31A	7.2	7.8	8.5	10.0
31	XF2B-3145-31A	8.4	9.0	9.7	11.2
33	XF2B-3345-31A	9.0	9.6	10.3	11.8
35	XF2B-3545-31A	9.6	10.2	10.9	12.4
39	XF2B-3945-31A	10.8	11.4	12.1	13.6
41	XF2B-4145-31A	11.4	12.0	12.7	14.2
45	XF2B-4545-31A	12.6	13.2	13.9	15.4
51	XF2B-5145-31A	14.4	15.0	15.7	17.2
61 (See note)	XF2B-6155-31A	17.4	18.0	18.7	20.2

Note: Upper contact

Omron Electronic Components, LLC

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 - Delivery and shipping dates are estimates only; and
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ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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