

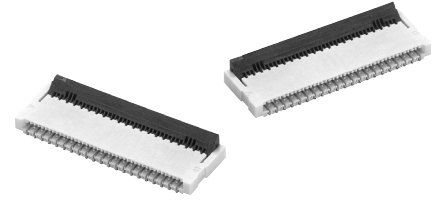
Rotary Backlock Connector (0.3-mm Pitch, Double-sided Contact)

XF2B

Rotary Backlock Mechanism with a 0.3-mm Pitch

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design.
- Double-sided contact reduces the number of parts.
- Gold plated with an applicable FPC thickness of 0.2 mm.

RoHS Compliant



Ratings and Specifications

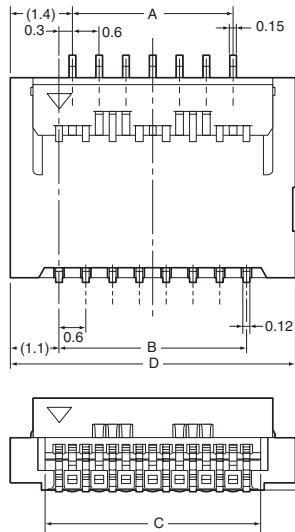
Rated current	0.2 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	50 mΩ max. (at 20 mV max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 V DC)
Withstand voltage	250 V AC for 1 min. (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient operating temperature	-30 to 85°C (with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

Materials and Finish

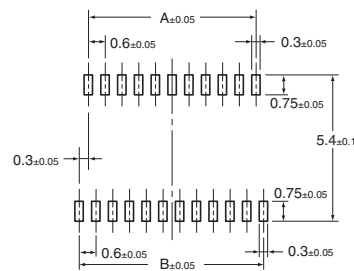
Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contacts	Spring copper alloy/nickel substrate (2 μm), gold-plated contacts (0.15 μm)

Dimensions

XF2B-□□45-31A



PCB Mating Dimensions (Top View)



Applicable FPC Dimensions

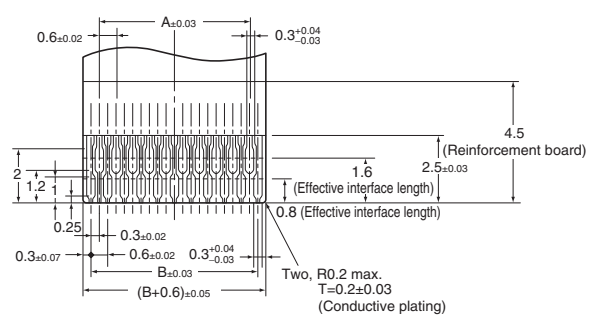


Table of Dimensions

Pins (See note 1.)	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

■ Ordering Information

Pins (See note 1.)	Model	Pins (See note 1.)	Model	Quantity per reel (See note 2.)
17	XF2B-1745-31A	33	XF2B-3345-31A	1,500
21	XF2B-2145-31A	35	XF2B-3545-31A	
23	XF2B-2345-31A	39	XF2B-3945-31A	
25	XF2B-2545-31A	41	XF2B-4145-31A	
27	XF2B-2745-31A	45	XF2B-4545-31A	
31	XF2B-3145-31A	51	XF2B-5145-31A	

Note: 1. Consult your OMRON representative for inquiries related to pin number specifications.

2. Order an integer multiple of the quantity per reel.

RoHS Compliance and Pin Number Specifications

Refer to the following website for the latest information. <http://www.omron.co.jp/ecb/>