

XF2B

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

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

Rotary Backlock Mechanism with 0.3-mm Pitch

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

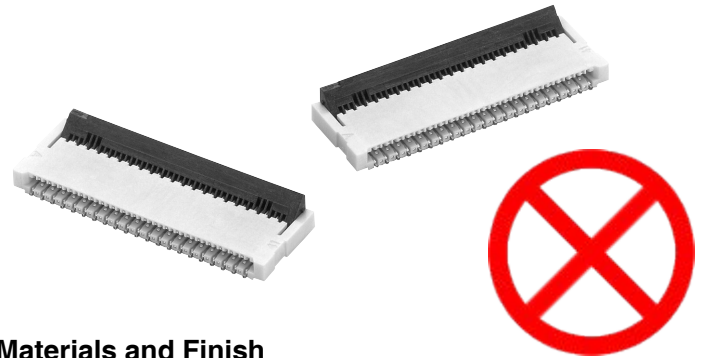
RoHS compliant

■ Ratings and Specifications

Rated current	0.2 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	50 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

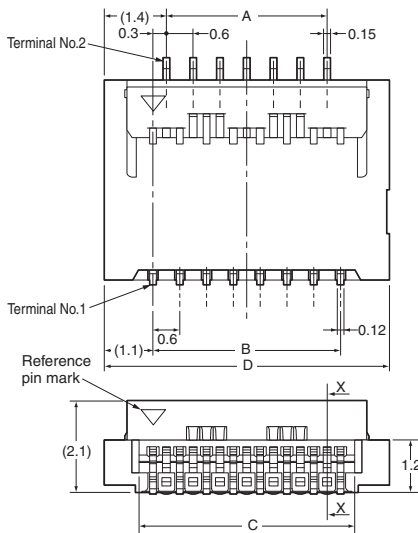
Housing	LCP resin (UL94 V-0)/natural
Slider	LCP resin (UL94 V-0)/black
Contacts	Spring copper alloy/nickel substrate (2 μm) Gold-plated contacts (0.15 μm)



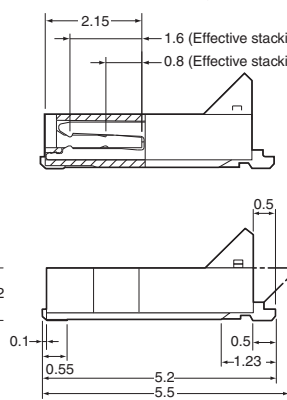
■ Dimensions

(Unit: mm)

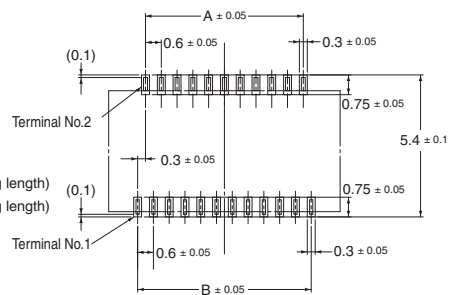
XF2B-□□□5-31A



Cross-section diagram: X-X



PCB Dimensions (TOP VIEW)



Recommended FPC Dimensions

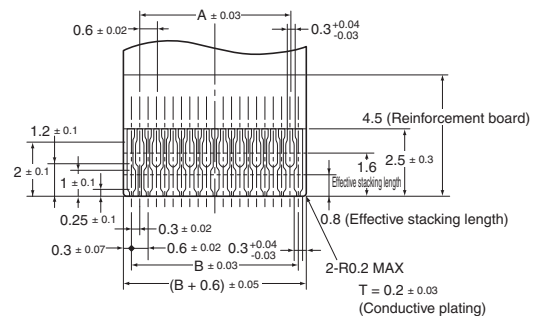


Table of Dimensions

Pins ^{*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
61	XF2B-6155-31A	17.4	18.0	18.7	20.2

■ Ordering Information

Pins ^{*1}	Model	Pins ^{*1}	Model	Quantity per reel (unit) ^{*2}
17	XF2B-1745-31A	35	XF2B-3545-31A	1,500
21	XF2B-2145-31A	39	XF2B-3945-31A	
23	XF2B-2345-31A	41	XF2B-4145-31A	
25	XF2B-2545-31A	45	XF2B-4545-31A	
27	XF2B-2745-31A	51	XF2B-5145-31A	
31	XF2B-3145-31A	61	XF2B-6155-31A ^{*3}	
33	XF2B-3345-31A	-	-	

*1. Please consult your OMRON representative for available pin count.

*2. Please order by integer multiple of the quantity per reel.

*3. Upper sided.