

XF3B

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 and Low Profile of 0.9 mm

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design.
- Dual-sided contact model to enhance the contact structure of lower sided.
- 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	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)/brown
Contacts	Spring copper alloy/nickel substrate (2 μm) Gold-plated contacts (0.15 μm)

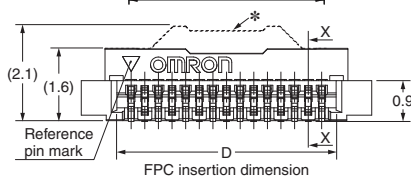
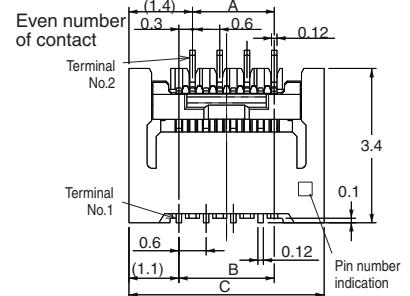
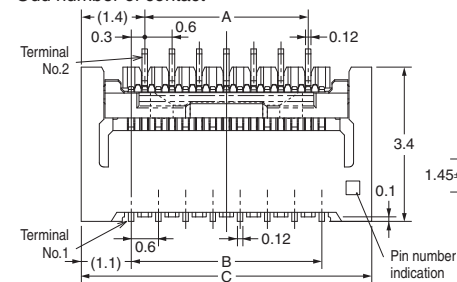
■ Dimensions

(Unit: mm)

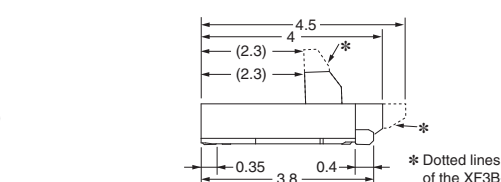
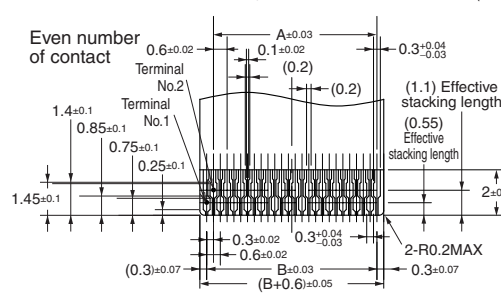
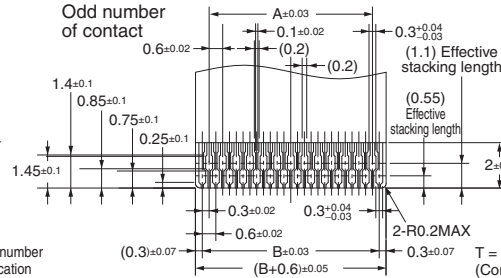
XF3B-□□45-31A

XF3B-□□45-31AE

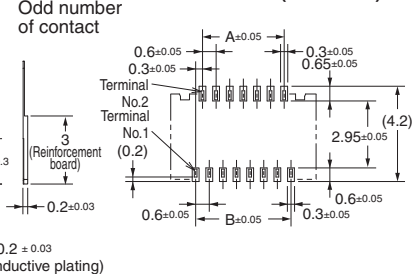
Odd number of contact



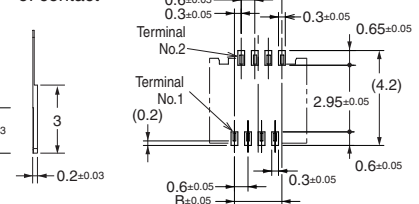
Recommended FPC Dimensions



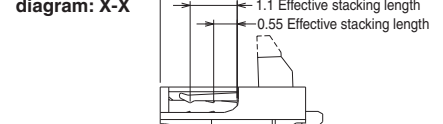
PCB Dimensions (TOP VIEW)



Even number of contact



Cross-section diagram: X-X



XF3B

Table of Dimensions

Pins ^{*1}	Model	A	B	C	D
8	XF3B-0845-31A	1.8	2.1	4.3	2.75
19	XF3B-1945-31A	4.8	5.4	7.6	6.05
25	XF3B-2545-31A	6.6	7.2	9.4	7.85

Pins ^{*1}	Model	A	B	C	D
35	XF3B-3545-31A	9.6	10.2	12.4	10.85
51	XF3B-5145-31AE	14.4	15.0	17.2	15.65
67	XF3B-6745-31AE	19.2	19.8	22.0	20.45

■ Ordering Information

Pins ^{*1}	Model	Quantity per reel (unit) ^{*2}
8	XF3B-0845-31A	2,000
19	XF3B-1945-31A	
25	XF3B-2545-31A	
35	XF3B-3545-31A	

Pins ^{*1}	Model	Quantity per reel (unit) ^{*2}
51	XF3B-5145-31AE	1,500
67	XF3B-6745-31AE	

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

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