

Rotary Backlock Connector (0.5-mm Pitch, Dual Contact)

XF2W

Rotary Backlock Mechanism with 0.5 mm Pitch and Low Profile of 1.1 mm

- Two models: Low profile with depth of 3.5 mm and easy-operation connector with long slider.
- Wide molding wall on the rear bottom of the connector.
- Gold plated with an applicable FPC thickness of 0.3 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 2)
5	XF2W-0515-1A	2,000
7	XF2W-0715-1A	
8	XF2W-0815-1A	
9	XF2W-0915-1A	
16	XF2W-1615-1A	
20	XF2W-2015-1A	
24	XF2W-2415-1A	
45	XF2W-4515-1AE	
50	XF2W-5015-1AE	
55	XF2W-5515-1AE	
64	XF2W-6415-1AE	

Note: 1. The end of the model number indicates the slider specification. None: Standard type E: Easy lock type

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

Ratings and Specifications

■ Characteristics

Rated current	0.5 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	60 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)/brown
Contacts	Spring copper alloy/nickel substrate (2 μm), Gold-plated contacts (0.15 μm)
Hold-down	Spring copper alloy/fused-tin plating (2 μm)

Dimensions

Unit: mm

XF2W-□□15-1A

XF2W-□□15-1AE

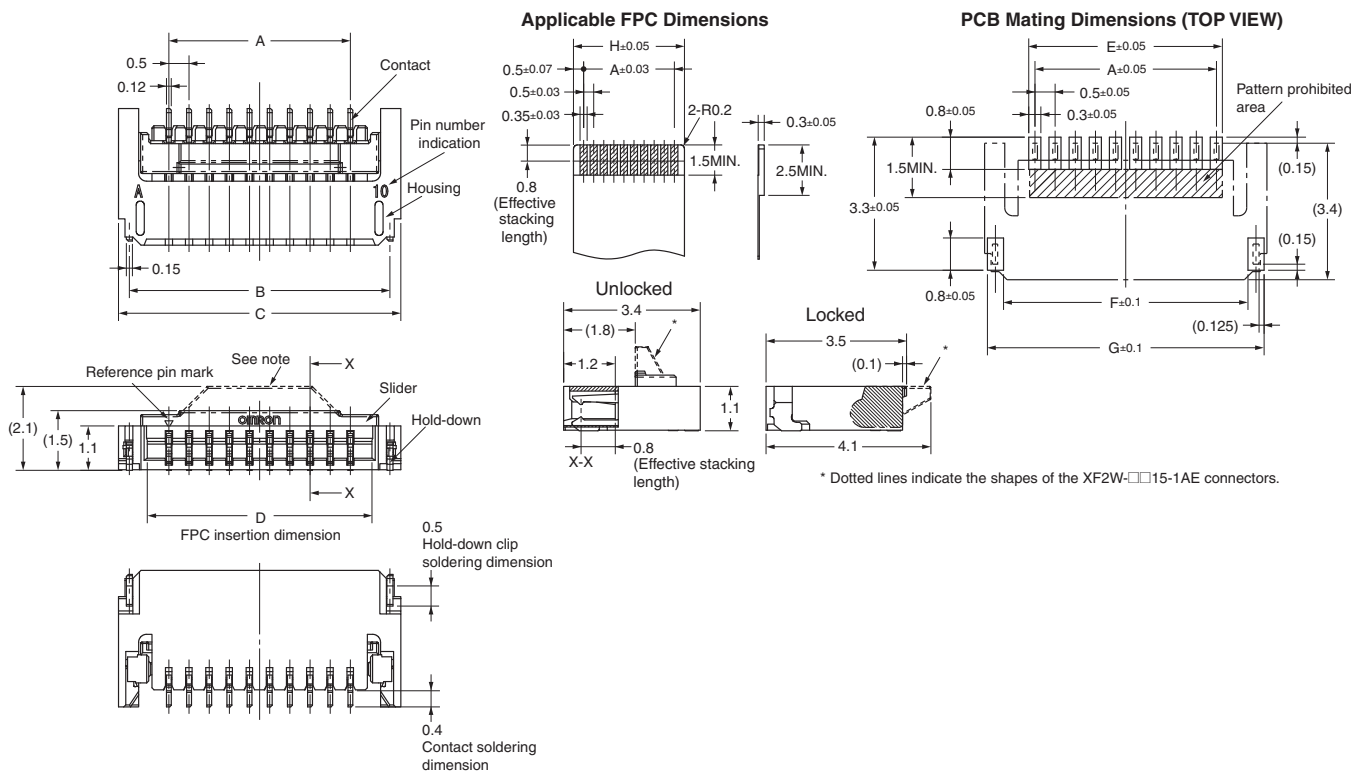


Table of Dimensions

Pins	Model	A	B	C	D	E	F	G	H
5	XF2W-0515-1A	2.0	4.0	4.5	3.1	2.3	3.6	4.4	3.0
7	XF2W-0715-1A	3.0	5.0	5.5	4.1	3.3	4.6	5.4	4.0
8	XF2W-0815-1A	3.5	5.5	6.0	4.6	3.8	5.1	5.9	4.5
9	XF2W-0915-1A	4.0	6.0	6.5	5.1	4.3	5.6	6.4	5.0
16	XF2W-1615-1A	7.5	9.5	10.0	8.6	7.8	9.1	9.9	8.5
20	XF2W-2015-1A	9.5	11.5	12.0	10.6	9.8	11.1	11.9	10.5
24	XF2W-2415-1A	11.5	13.5	14.0	12.6	11.8	13.1	13.9	12.5
45	XF2W-4515-1AE	22.0	24.0	24.5	23.1	22.3	23.6	24.4	23.0
50	XF2W-5015-1AE	24.5	26.5	27.0	25.6	24.8	26.1	26.9	25.5
55	XF2W-5515-1AE	27.0	29.0	29.5	28.1	27.3	28.6	29.4	28.0
64	XF2W-6415-1AE	31.5	33.5	34.0	32.6	31.8	33.1	33.9	32.5

Omron Electronic Components, LLC

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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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