

# Rotary Backlock Connector (0.5-mm pitch, Dual Contact)

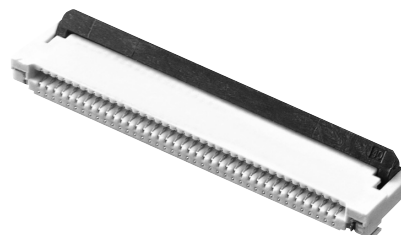
## XF2M

### High-reliability rotary-lock and Superior Work Efficiency.

- Dual contact reduces the number of parts.
- 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 (See Note 2)
10	XF2M-1015-1A	1,500
12	XF2M-1215-1A	
14	XF2M-1415-1A	
18	XF2M-1815-1A	
20	XF2M-2015-1A	
22	XF2M-2215-1A	
24	XF2M-2415-1A	
26	XF2M-2615-1A	
30	XF2M-3015-1A	
32	XF2M-3215-1A	
33	XF2M-3315-1A	

Pins	Model	Quantity per reel (See Note 2)
34	XF2M-3415-1A	1,500
35	XF2M-3515-1A	
36	XF2M-3615-1A	
38	XF2M-3815-1A	
40	XF2M-4015-1A	
42	XF2M-4215-1A	
45	XF2M-4515-1A	
50	XF2M-5015-1A	
55	XF2M-5515-1AH	
60	XF2M-6015-1AH	

**Note:** 1. The end of the model number indicates the slider specification. None: Standard type H: For pin count  $\geq 55$   
 2. Please order by integer multiple of the quantity per reel.

## Ratings and Specifications

### ■ Characteristics

Rated current	0.5A AC/DC
Rated voltage	50V AC/DC
Contact resistance	50 m $\Omega$ max. (at 20 mV max., 100 mA max.)
Insulation resistance	100 M $\Omega$ 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

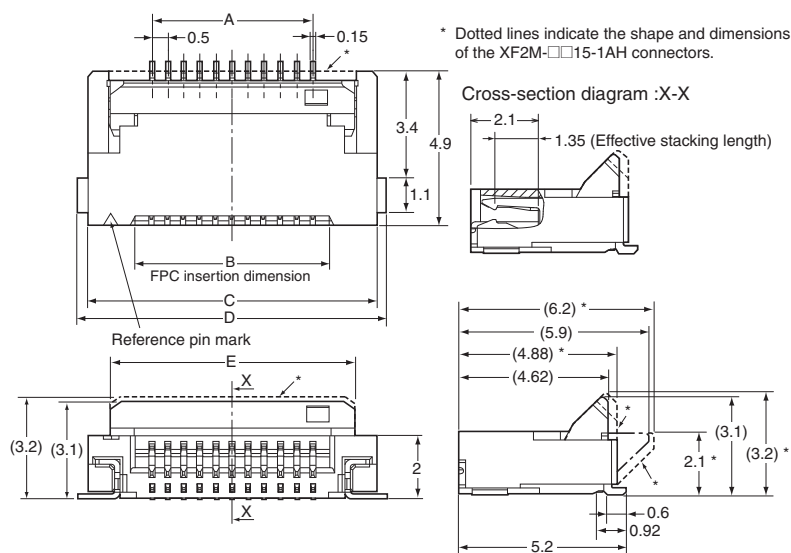
Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contacts	Spring copper alloy/nickel substrate (2 $\mu$ m), Gold-plated contacts (0.15 $\mu$ m)
Hold-down	Spring copper alloy/fused-tin plating (1.5 $\mu$ m)

# Dimensions

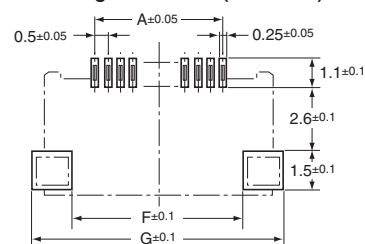
Unit: mm

XF2M-□□15-1A

XF2M-□□15-1AH



PCB Mating Dimensions (TOP VIEW)



Applicable FPC Dimensions

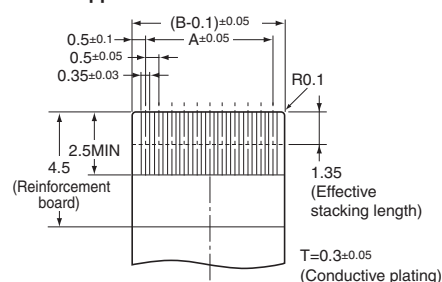


Table of Dimensions

Pins	Model	A	B	C	D	E	F	G
10	XF2M-1015-1A	4.5	5.6	8.5	9.1	7.1	6.1	9.5
12	XF2M-1215-1A	5.5	6.6	9.5	10.1	8.1	7.1	10.5
14	XF2M-1415-1A	6.5	7.6	10.5	11.1	9.1	8.1	11.5
18	XF2M-1815-1A	8.5	9.6	12.5	13.1	11.1	10.1	13.5
20	XF2M-2015-1A	9.5	10.6	13.5	14.1	12.1	11.1	14.5
22	XF2M-2215-1A	10.5	11.6	14.5	15.1	13.1	12.1	15.5
24	XF2M-2415-1A	11.5	12.6	15.5	16.1	14.1	13.1	16.5
26	XF2M-2615-1A	12.5	13.6	16.5	17.1	15.1	14.1	17.5
30	XF2M-3015-1A	14.5	15.6	18.5	19.1	17.1	16.1	19.5
32	XF2M-3215-1A	15.5	16.6	19.5	20.1	18.1	17.1	20.5
33	XF2M-3315-1A	16.0	17.1	20.0	20.6	18.6	17.6	21.0
34	XF2M-3415-1A	16.5	17.6	20.5	21.1	19.1	18.1	21.5
35	XF2M-3515-1A	17.0	18.1	21.0	21.6	19.6	18.6	22.0
36	XF2M-3615-1A	17.5	18.6	21.5	22.1	20.1	19.1	22.5
38	XF2M-3815-1A	18.5	19.6	22.5	23.1	21.1	20.1	23.5
40	XF2M-4015-1A	19.5	20.6	23.5	24.1	22.1	21.1	24.5
42	XF2M-4215-1A	20.5	21.6	24.5	25.1	23.1	22.1	25.5
45	XF2M-4515-1A	22.0	23.1	26.0	26.6	24.6	23.6	27.0
50	XF2M-5015-1A	24.5	25.6	28.5	29.1	27.1	26.1	29.5
55	XF2M-5515-1AH	27.0	28.1	31.0	31.6	29.6	28.6	32.0
60	XF2M-6015-1AH	29.5	30.6	33.5	34.1	32.1	31.1	34.5

# Omron Electronic Components, LLC

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### I. GENERAL

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  - Including:** Including without limitation
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  - Delivery and shipping dates are estimates only; and
  - Seller will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
- Claims:** Any claim by Buyer against Seller for shortage or damage to the Products occurring before delivery to the carrier or any claim related to pricing or other charges must be presented in detail in writing to Seller within 30 days of receipt of shipment.

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

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