

## 0.5 mm pitch - Rotary Backlock Type – XF2M

### Rotary lock achieves high reliability and superior work efficiency

- Short body with depth of 5.9mm (with slider closed).
- Double-sided (upper and lower) contact structure enables component reductions.
- Applicable FPC thickness,  $t = 0.3\text{mm}$ .



### Specifications

Rated Current	0.5A AC/DC
Rated Voltage	50V AC/DC
Contact resistance	50 mΩ max. (at. 20 mV, max. 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 VDC)
Withstand voltage	250V AC 1 min. (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient temperature	-30 to +85°C (with no icing or condensation)

### Materials/Finish

Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contact	Spring copper alloy/nickel substrate (2 μm), gold plated contacts (0.15 μm)
Hold Down	Spring copper alloy/fused tin plating (1.5 μm)

### Ordering Information

Pin	Model (see note 1)	Quantity per reel
10	XF2M-1015-1A	1500
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	
34	XF2M-3415-1A	
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:** According to the stated specifications, the aperture at the end of the unit shall be plated.

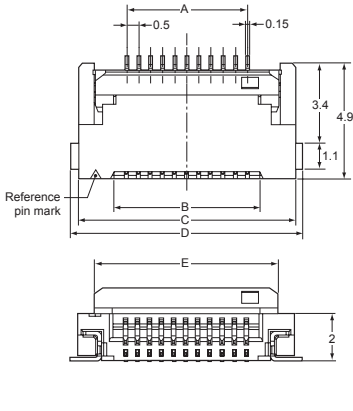
A: Gold-plated (lead-free)

\* $(W) \times 6.2 D \times 2.1 H$

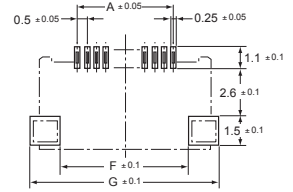
# 0.5 mm pitch - Rotary Backlock Type – XF2M

## ■ Dimensions

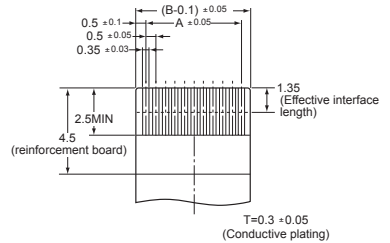
XF2M-□□15-1F



Printed Circuit Board Matching Dimensions (Top View)



Applicable FPC Dimensions



## ■ Table of Dimensions

Pins (see note 1)	Model (see note 2)	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

**Note 1:** According to the stated specifications, the aperture at the end of the unit shall be plated.

A: Gold-plated (lead-free)

**ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.**

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