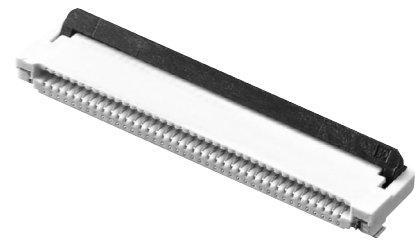


# Rotary Backlock Connector (0.5-mm Pitch, Double-sided Contact)

# XF2M

Rotary Lock Achieves High Reliability and Superior Work Efficiency.

- Double-sided contact reduces the number of parts.
- Applicable FPC thickness of 0.3 mm.



## ■ Ratings and Specifications

XF2M-□□15-1A

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

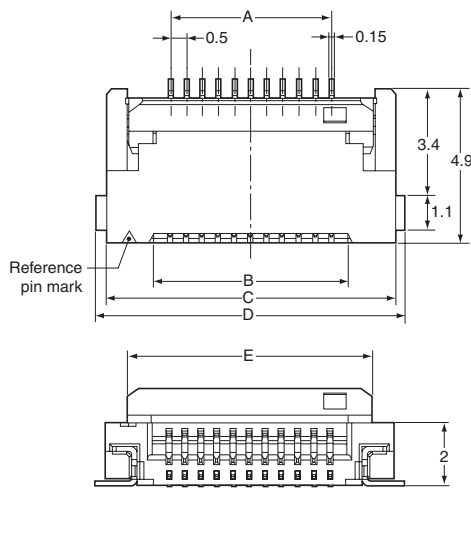
## ■ Materials and Finish

XF2M-□□15-1A

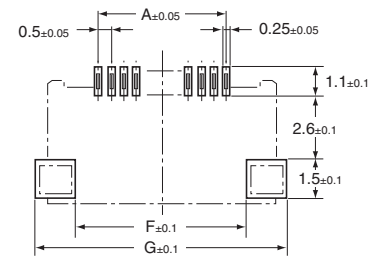
Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contacts	Spring copper alloy/nickel substrate (2 μm), gold-plated contacts (0.15 μm)
Hold-down	Spring copper alloy/fused-tin plating (1.5 μm)

## ■ Dimensions

XF2M-□□15-1□



PCB Mating Dimensions (Top View)



Applicable FPC Dimensions

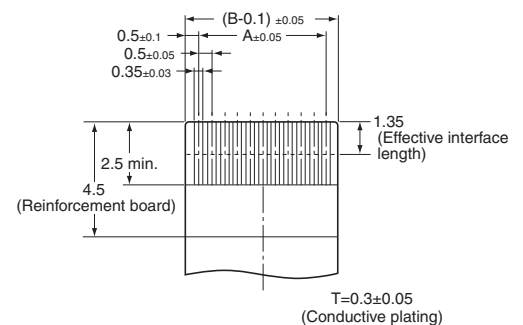


Table of Dimensions

Pins (See note 2.)	Model (See note 1.)	A	B	C	D	E	F	G
10	XF2M-1015-1□	4.5	5.6	8.5	9.1	7.1	6.1	9.5
12	XF2M-1215-1□	5.5	6.6	9.5	10.1	8.1	7.1	10.5
14	XF2M-1415-1□	6.5	7.6	10.5	11.1	9.1	8.1	11.5
18	XF2M-1815-1□	8.5	9.6	12.5	13.1	11.1	10.1	13.5
20	XF2M-2015-1□	9.5	10.6	13.5	14.1	12.1	11.1	14.5
22	XF2M-2215-1□	10.5	11.6	14.5	15.1	13.1	12.1	15.5
24	XF2M-2415-1□	11.5	12.6	15.5	16.1	14.1	13.1	16.5
26	XF2M-2615-1□	12.5	13.6	16.5	17.1	15.1	14.1	17.5
30	XF2M-3015-1□	14.5	15.6	18.5	19.1	17.1	16.1	19.5
32	XF2M-3215-1□	15.5	16.6	19.5	20.1	18.1	17.1	20.5
33	XF2M-3315-1□	16.0	17.1	20.0	20.6	18.6	17.6	21.0
34	XF2M-3415-1□	16.5	17.6	20.5	21.1	19.1	18.1	21.5
35	XF2M-3515-1□	17.0	18.1	21.0	21.6	19.6	18.6	22.0
36	XF2M-3615-1□	17.5	18.6	21.5	22.1	20.1	19.1	22.5
38	XF2M-3815-1□	18.5	19.6	22.5	23.1	21.1	20.1	23.5
40	XF2M-4015-1□	19.5	20.6	23.5	24.1	22.1	21.1	24.5
42	XF2M-4215-1□	20.5	21.6	24.5	25.1	23.1	22.1	25.5
45	XF2M-4515-1□	22.0	23.1	26.0	26.6	24.6	23.6	27.0
50	XF2M-5015-1□	24.5	25.6	28.5	29.1	27.1	26.1	29.5

## ■ Ordering Information

Pins (See note 2.)	Model (See note 1.)	Pins (See note 2.)	Model (See note 1.)	Quantity per reel (See note 3.)
10	XF2M-1015-1□	33	XF2M-3315-1□	1,500
12	XF2M-1215-1□	34	XF2M-3415-1□	
14	XF2M-1415-1□	35	XF2M-3515-1□	
18	XF2M-1815-1□	36	XF2M-3615-1□	
20	XF2M-2015-1□	38	XF2M-3815-1□	
22	XF2M-2215-1□	40	XF2M-4015-1□	
24	XF2M-2415-1□	42	XF2M-4215-1□	
26	XF2M-2615-1□	45	XF2M-4515-1□	
30	XF2M-3015-1□	50	XF2M-5015-1□	
32	XF2M-3215-1□	---	---	

**Note: 1.** The symbol in the box at the end of the model number indicates the type of plating.

A: Gold-plated (RoHS compliant).

2. Consult your OMRON representative for inquiries related to pin number specifications.
3. Order an integer multiple of the quantity per reel. Small-lot orders (for 100 units) can also be accepted. When ordering, specify model numbers ending with R-100 for 100 units.
4. Consult your OMRON representative for inquiries about lead-free tin solder.
5. Solder plating (specified by -1L at the end of the model number) will end production March 2006.

### RoHS Compliance and Pin Number Specifications

Refer to the following website for the latest information. <http://www.omron.co.jp/ecb/>