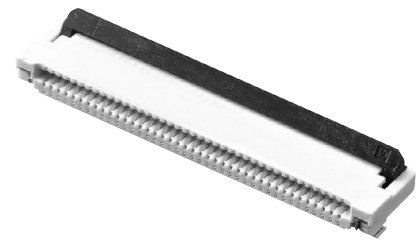


Rotary Backlock Type (0.5 mm-pitch)

XF2M

Rotary lock achieves high reliability and superior work efficiency.

- Double-sided (upper and lower) contact structure enables component reductions.
- Applicable FPC thickness, $t = 0.3$ mm.



Specifications

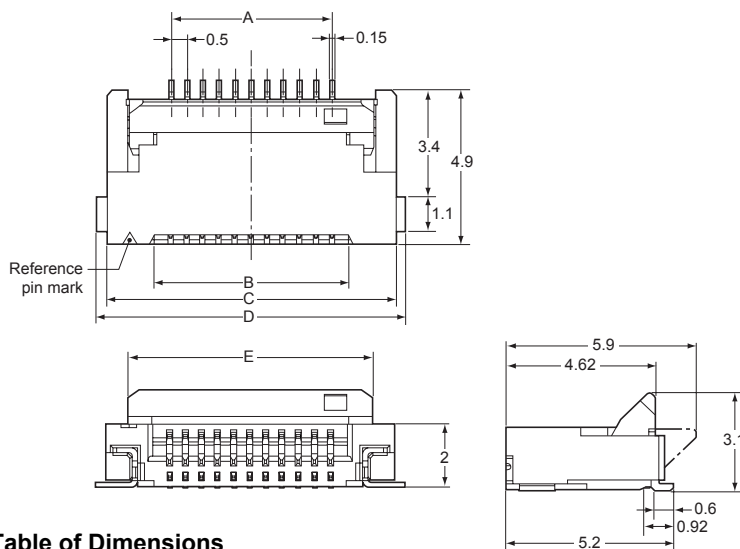
Rated current	0.5A AC/DC
Rated voltage	50V AC/DC
Contact resistance	40m max. (at 20 mV max., 100 mA max.)
Insulation resistance	100 M min. (at 250V DC)
Withstand voltage	250V AC for 1 min. (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient operating temperature	-30 to +85°C (with no icing or condensation)

Materials/Finish

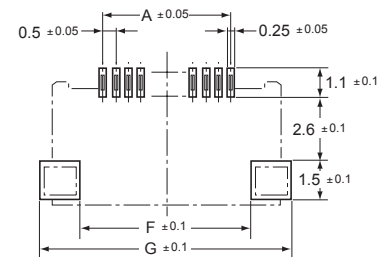
Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contact	Spring copper alloy/nickel substrate (2 μm), gold-plated contacts (0.15 μm), tin-lead SnPb alloy solder (2 μm)
Hold-down	Spring copper alloy/fused-tin plating (1.5 μm)

Dimensions

XF2M- 15-1



Printed Circuit Board Matching Dimensions (Top View)



Applicable FPC Dimensions

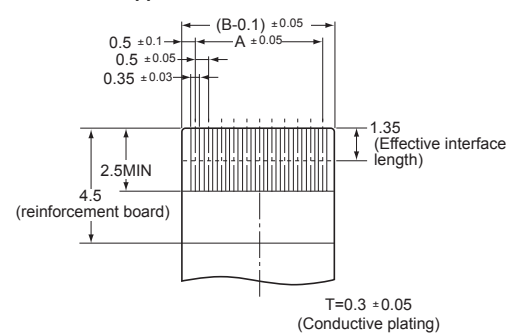


Table of Dimensions

Pins	note 2	Model	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
(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
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 note 2	Model note 1	Pins note 2	Model note 1	Quantity per reel note 3
10	XF2M-1015-1	33	XF2M-3315-1	1,500
(14)	XF2M-1415-1	34	XF2M-3415-1	
18	XF2M-1815-1	35	XF2M-3515-1	
20	XF2M-2015-1	36	XF2M-3615-1	
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	-	-	

note1. According to the stated specifications, the aperture at the end of the unit shall be plated.

A: Gold-plated (lead free).

L: Lead solder (tin-lead SnPb alloy solder)

note2. The number of poles () figures are in development as of February 2005. Any inquiries with regard to these number of poles figures in development and to other number of poles figures should be directed to your sales representative.

note3. Order an integer multiple of the quantity per reel. We will also accept small lot orders (for 100 units). When ordering, please specify model numbers that end with R-100 for 100 units.

*1: Please ask your OMRON representative about lead-free specification tin (Sn) solder (scheduled to go on sale April 2005).

*2: The soldering plate specifications will apply until March 2006.

(RoHS Compliance Status, Number of Poles Component Assortment Status)

Please look here for the latest information from our Internet Information Service: <http://www.omron.co.jp/ecb/>