



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# XF2M

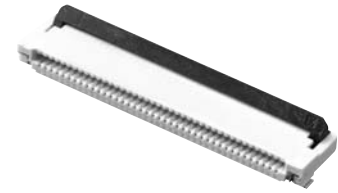
Rotary Backlock Connector (0.5-mm Pitch, Dual-sided Contact)

For FPC/FFC

## Rotary Backlock Connectors Provide High-reliability and Superior Work Efficiency.

- Dual-sided contact reduces the number of parts.
- Applicable FPC/FFC thickness of 0.3 mm (Gold-plated type).
- Halogen Free (\*)

\* 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

### ■ Ratings and Specifications

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

### ■ Materials and Finish

Housing	LCP resin (UL94 V-0)/natural
Slider	LCP resin (UL94 V-0)/black
Contacts	Spring copper alloy/nickel substrate (2 μm) Gold-plated contacts (0.15 μm)
Hold-down	Copper alloy/tin-plated (1.5 μm)

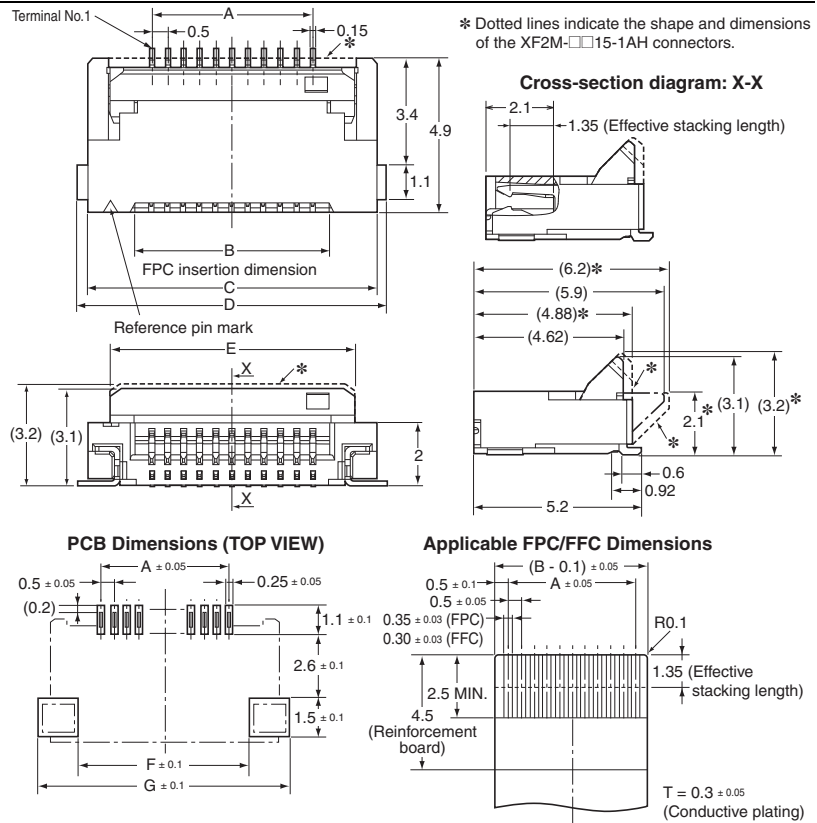
### ■ Dimensions

(Unit: mm)

XF2M-□□15-1A  
XF2M-□□15-1AH

Table of Dimensions

Pins*1	Model	A	B	C	D	E	F	G
6	XF2M-0615-1A	2.5	3.6	6.5	7.1	5.1	4.1	7.5
8	XF2M-0815-1A	3.5	4.6	7.5	8.1	6.1	5.1	8.5
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
54	XF2M-5415-1AH	26.5	27.6	30.5	31.1	29.1	28.1	31.5
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



### ■ Ordering Information

1500pcs per reel

Pins*1	Model	Pins*1	Model	Pins*1	Model	Pins*1	Model	Quantity per reel (unit) *2
6	XF2M-0615-1A	22	XF2M-2215-1A	35	XF2M-3515-1A	54	XF2M-5415-1AH	1,500
8	XF2M-0815-1A	24	XF2M-2415-1A	36	XF2M-3615-1A	55	XF2M-5515-1AH	
10	XF2M-1015-1A	26	XF2M-2615-1A	38	XF2M-3815-1A	60	XF2M-6015-1AH	
12	XF2M-1215-1A	30	XF2M-3015-1A	40	XF2M-4015-1A			
14	XF2M-1415-1A	32	XF2M-3215-1A	42	XF2M-4215-1A			
18	XF2M-1815-1A	33	XF2M-3315-1A	45	XF2M-4515-1A			
20	XF2M-2015-1A	34	XF2M-3415-1A	50	XF2M-5015-1A			

100pcs per reel

Pins*1	Model	Pins*1	Model	Pins*1	Model	Pins*1	Model	Quantity per reel (unit) *2
6	XF2M-0615-1A-R100	22	XF2M-2215-1A-R100	35	XF2M-3515-1A-R100	54	XF2M-5415-1AH-R100	100
8	XF2M-0815-1A-R100	24	XF2M-2415-1A-R100	36	XF2M-3615-1A-R100	55	XF2M-5515-1AH-R100	
10	XF2M-1015-1A-R100	26	XF2M-2615-1A-R100	38	XF2M-3815-1A-R100	60	XF2M-6015-1AH-R100	
12	XF2M-1215-1A-R100	30	XF2M-3015-1A-R100	40	XF2M-4015-1A-R100			
14	XF2M-1415-1A-R100	32	XF2M-3215-1A-R100	42	XF2M-4215-1A-R100			
18	XF2M-1815-1A-R100	33	XF2M-3315-1A-R100	45	XF2M-4515-1A-R100			
20	XF2M-2015-1A-R100	34	XF2M-3415-1A-R100	50	XF2M-5015-1A-R100			

\*1. Please consult your OMRON representative for available pin count.

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