

0.5 mm Pitch Rotary Lock Type

XF2H

New rotary – lock concept achieves high reliability and superior work efficiency.

- The unique rotary lock construction significantly improves work efficiency during FPC mounting.
- Double –sided contacts maintain a stable contact force.
- Discrimination between FPC upper and lower contacts is unnecessary.
- Low-profile, protruding only 2 mm on the PCB.



Specifications

■ Specifications

Rated Current	0.5A
Rated Voltage	50 VDC
Contact resistance	30 mΩ max. (max. 20 mV, max. 100 mA)
Insulation resistance	100 MΩ min. (at 250 VDC)
Withstand voltage	250 VAC 1 min. (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient temperature	-30 to +85°C (No condensation at low temperatures.)

■ Materials/Finish

Housing	PA46 resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contact	Copper-alloy/nickel spring substrate (2μm) plated with tin alloy (2μm)
Hold Down	Copper-alloy/copper substrate (2μm) plated with tin alloy (2μm)

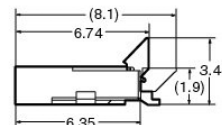
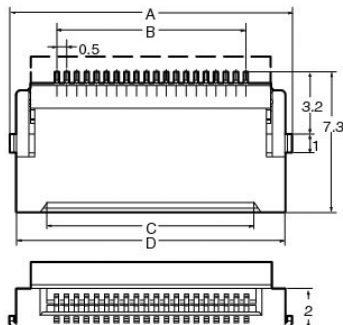
■ Ordering Information

Poles	Model	Poles	Model	Quantity per reel*
10	XF2H-1015-1	26	XF2H-2615-1	1,500
12	XF2H-1215-1	30	XF2H-3015-1	
13	XF2H-1315-1	34	XF2H-3415-1	
14	XF2H-1415-1	35	XF2H-3515-1	
18	XF2H-1815-1	38	XF2H-3815-1	
20	XF2H-2015-1	40	XF2H-4015-1	
22	XF2H-2215-1	45	XF2H-4515-1	
24	XF2H-2415-1	50	XF2H-5015-1	

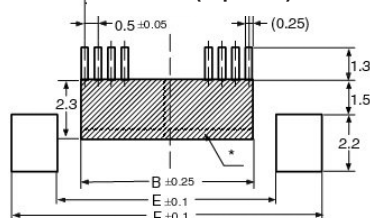
*Order an integer multiple of the quantity per reel.

■ Dimensions

XF2H-□□15-1

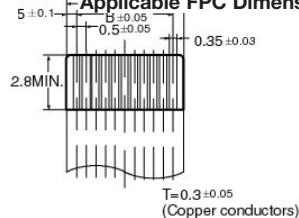


Printed Circuit Board Matching Dimension (Top View)



* Pattern prohibition

Applicable FPC Dimensions



■ Table of Dimensions

Poles	Model	A	B	C	D	E	F
10	XF2H-1015-1	9.1	4.5	5.6	8.5	6.5	10.1
12	XF2H-1215-1	10.1	5.5	6.6	9.5	7.5	11.1
13	XF2H-1315-1	10.6	6	7.1	10	8	11.6
14	XF2H-1415-1	11.1	6.5	7.6	10.5	8.5	12.1
18	XF2H-1815-1	13.1	8.5	9.6	12.5	10.5	14.1
20	XF2H-2015-1	14.1	9.5	10.6	13.5	11.5	15.1
22	XF2H-2215-1	15.1	10.5	11.6	19.5	12.5	16.1
24	XF2H-2415-1	16.1	11.5	12.6	15.5	13.5	17.1
26	XF2H-2615-1	17.1	12.5	13.6	16.5	14.5	18.1
30	XF2H-3015-1	19.1	14.5	15.6	18.5	16.5	20.1
34	XF2H-3415-1	21.1	16.5	17.6	20.5	18.5	22.1
35	XF2H-3515-1	21.6	17	18.1	21	19	22.6
38	XF2H-3815-1	23.1	18.5	19.6	22.5	20.5	24.1
40	XF2H-4015-1	24.1	19.5	20.6	23.5	21.5	25.1
45	XF2H-4515-1	26.6	22	23.1	26	24	27.6
50	XF2H-5015-1	29.1	24.5	25.8	28.5	26.5	30.1

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

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

Cat. No. XF2H

In the interest of product improvement, specifications are subject to change without notice.

OMRON

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