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

XF2U

Rotary Backlock Mechanism with a Depth of 3.5 mm and Low On-board Profile of 0.9 mm

- Ultra-slim connector with a depth of 3.5 mm.
- Double-sided contacts reduce the number of parts.
- Wide molding wall on the rear bottom of the connector allows greater freedom in board design.
- Gold plated with an applicable FPC thickness of 0.2 mm.

RoHS Compliant

■ Ratings and Specifications

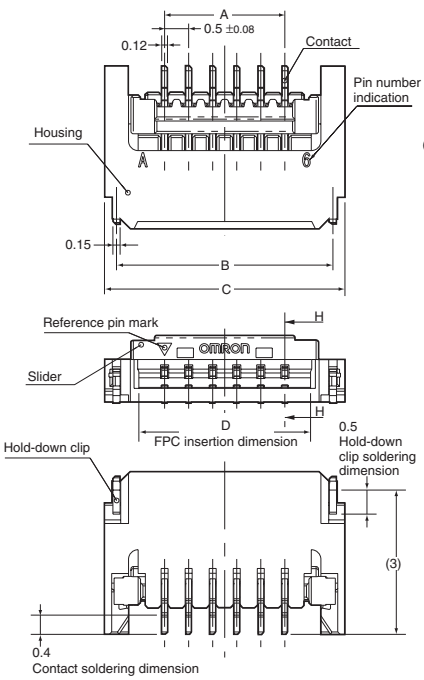
Rated current	0.5 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	60 mΩ max. (at 20 mV max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 V DC)
Withstand voltage	250 V AC for 1 min (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient operating temperature	–30 to 85°C (with no icing or condensation)

■ Materials and Finish

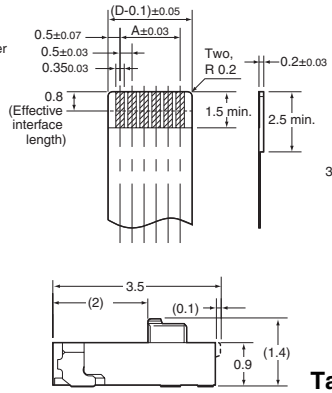
Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contacts	Spring copper alloy/nickel substrate (2 μm), gold-plated contacts (0.15 μm)

■ Dimensions

XF2U-□□15-3A



Applicable FPC Dimensions



PCB Mating Dimensions (Top View)

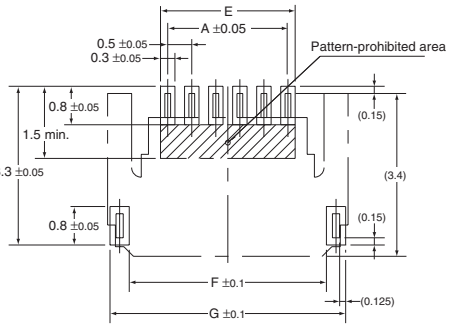


Table of Dimensions

Pins (See note 1.)	Model	A	B	C	D	E	F	G
(4)	**XF2U-0415-3A**	1.5	3.5	4.0	2.6	1.8	3.1	3.9
(14)	**XF2U-1415-3A**	6.5	8.5	9.0	7.6	6.8	8.1	8.9
20	**XF2U-2015-3A**	9.5	11.5	12.0	10.6	9.8	11.1	11.9
24	**XF2U-2415-3A**	11.5	13.5	14.0	12.6	11.8	13.1	13.9
(27)	**XF2U-2715-3A**	13.0	15.0	15.5	14.1	13.3	14.6	15.4
30	**XF2U-3015-3A**	14.5	16.5	17.0	15.6	14.8	16.1	16.9
(32)	**XF2U-3215-3A**	15.5	17.5	18.0	16.6	15.8	17.1	17.9
40	**XF2U-4015-3A**	19.5	21.5	22.0	20.6	19.8	21.1	21.9

■ Ordering Information

Pins (See note 1.)	Model	Quantity per reel (See note 2.)
(4)	**XF2U-0415-3A**	3,000
(14)	**XF2U-1415-3A**	
20	**XF2U-2015-3A**	
24	**XF2U-2415-3A**	
(27)	**XF2U-2715-3A**	
30	**XF2U-3015-3A**	
(32)	**XF2U-3215-3A**	
40	**XF2U-4015-3A**	

Note: 1. The models with the number of pins in parentheses are under development as of September 2005. Consult your OMRON representative for inquiries related to pin number specifications.

2. Order an integer multiple of the quantity per reel.

RoHS Compliance and Pin Number Specifications

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