

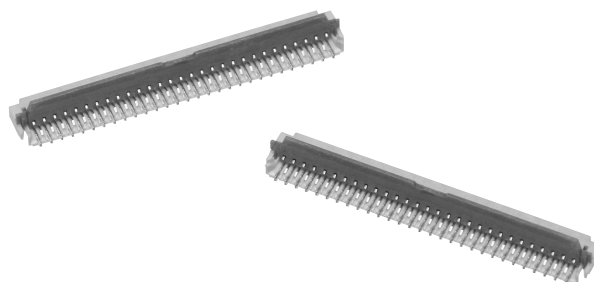
Rotary Frontlock Connector (0.3-mm Pitch, Lower Contact) XF3H

Rotary Front-lock Mechanism with a Depth of 3.5 mm and Low Profile of 0.9 mm

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design.
- Slider open locking mechanism makes work efficient.
- Gold plated with an applicable FPC thickness of 0.2 mm.
- Halogen Free (See note)

Note: 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



Ordering Information

Pins	Model	Quantity per reel (unit) (See Note)
13	XF3H-1355-31A	3,000
25	XF3H-2555-31A	
31	XF3H-3155-31A	
35	XF3H-3555-31A	
39	XF3H-3955-31A	
45	XF3H-4555-31A	
51	XF3H-5155-31A	
57	XF3H-5755-31A	
61	XF3H-6155-31A	

Note: Please order by integer multiple of the quantity per reel.

Ratings and Specifications

■ Characteristics

Rated current	0.2 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	80 mΩ max. (at 20 mV max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 VDC)
Withstand voltage	250 VAC for 1 min. (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient operating temperature	–30 to 85°C (with no icing or condensation)

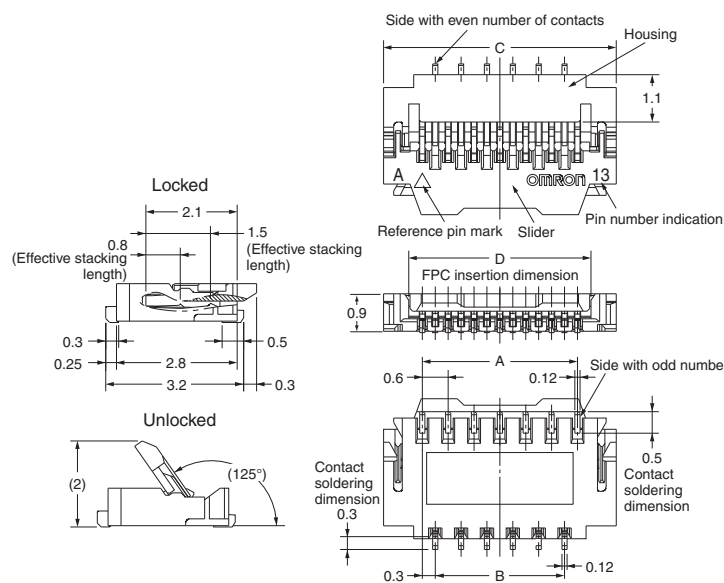
■ Materials and Finish

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

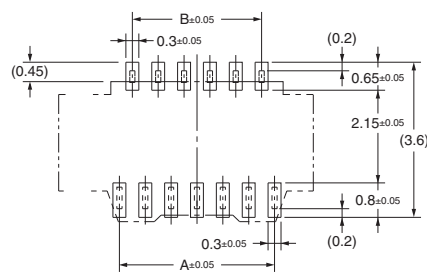
Dimensions

Unit: mm

XF3H-□□55-31A



PCB Mating Dimensions (TOP VIEW)



Applicable FPC Dimensions

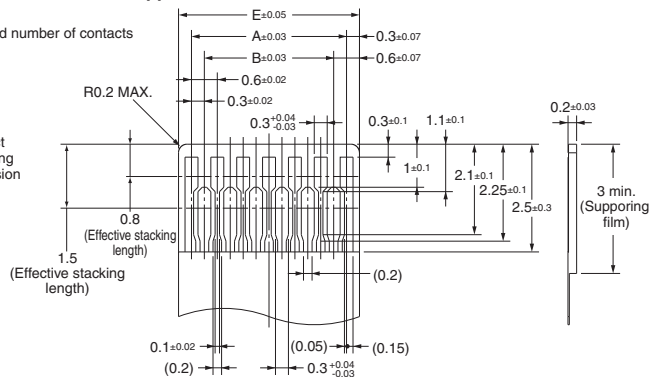


Table of Dimensions

Pins	Model	A	B	C	D	E
13	XF3H-1355-31A	3.6	3.0	5.4	4.23	4.2
25	XF3H-2555-31A	7.2	6.6	9.0	7.83	7.8
31	XF3H-3155-31A	9.0	8.4	10.8	9.63	9.6
35	XF3H-3555-31A	10.2	9.6	12.0	10.83	10.8
39	XF3H-3955-31A	11.4	10.8	13.2	12.03	12.0
45	XF3H-4555-31A	13.2	12.6	15.0	13.83	13.8
51	XF3H-5155-31A	15.0	14.4	16.8	15.63	15.6
57	XF3H-5755-31A	16.8	16.2	18.6	17.43	17.4
61	XF3H-6155-31A	18.0	17.4	19.8	18.63	18.6

Omron Electronic Components, LLC

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 - Terms:** These terms and conditions
 - Seller:** Omron Electronic Components LLC and its subsidiaries
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 - Products:** Products and/or services of Seller
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 - Delivery and shipping dates are estimates only; and
 - Seller will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
- Claims:** Any claim by Buyer against Seller for shortage or damage to the Products occurring before delivery to the carrier or any claim related to pricing or other charges must be presented in detail in writing to Seller within 30 days of receipt of shipment.

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 - Energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
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ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

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

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