

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

**XF3H-AR****High-Reliability Rotary Front-lock with a 0.3 mm Pitch, Low Profile and Depth of 3.5 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-1355-31AR	3,000
25	XF3H-2555-31AR	
35	XF3H-3555-31AR	
39	XF3H-3955-31AR	
45	XF3H-4555-31AR	
51	XF3H-5155-31AR	

**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 mVDC max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 VDC)
Dielectric Strength	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)/black
Contacts	Spring copper alloy/nickel substrate (2 μm), Gold-plated contacts (0.15 μm)

# Dimensions

Unit: mm

XF3H-□□55-31AR

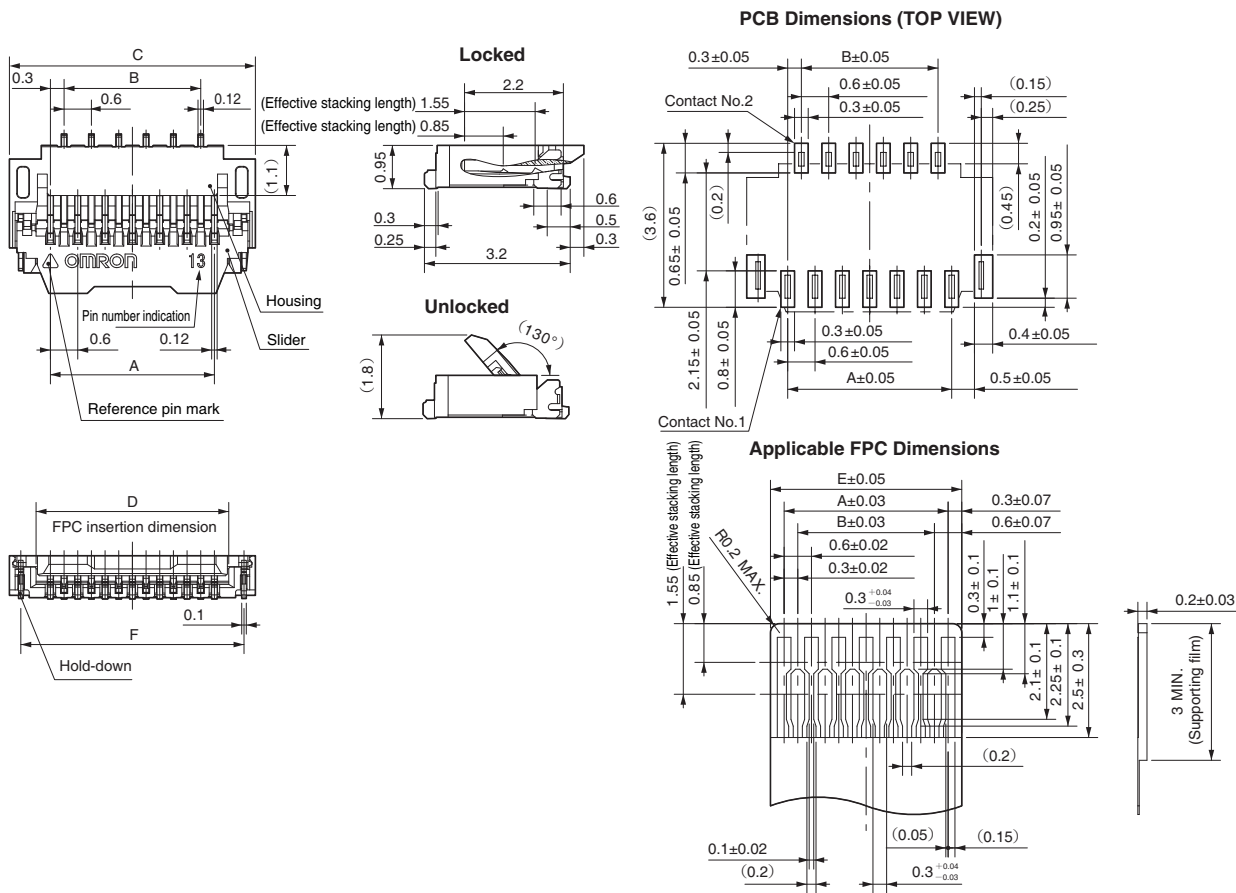


Table of Dimensions

Pins	Model	A	B	C	D	E	F
13	XF3H-1355-31AR	3.6	3.0	5.4	4.23	4.2	4.9
25	XF3H-2555-31AR	7.2	6.6	9.0	7.83	7.8	8.5
35	XF3H-3555-31AR	10.2	9.6	12.0	10.83	10.8	11.5
39	XF3H-3955-31AR	11.4	10.8	13.2	12.03	12.0	12.7
45	XF3H-4555-31AR	13.2	12.6	15.0	13.83	13.8	14.5
51	XF3H-5155-31AR	15.0	14.4	16.8	15.63	15.6	16.3



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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.



**OMRON ELECTRONIC  
COMPONENTS LLC**  
55 E. Commerce Drive, Suite B  
Schaumburg, IL 60173

**847-882-2288**

**OMRON ON-LINE**

Global - <http://www.omron.com>  
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Specifications subject to change without notice

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