

# XF3H

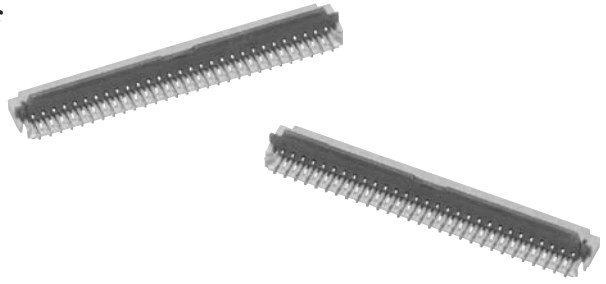
FOR FPC

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

## Rotary Frontlock Mechanism with a Depth of 3.5-mm and Low Profile of 0.9 mm

- Ultra-slim connector with a 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

### ■ Ratings and Specifications

Rated current	0.2A AC/DC
Rated voltage	50V AC/DC
Contact resistance	80mΩ max. (at 20 mV DC max., 100 mA max.)
Insulation resistance	100MΩ min. (at 250V DC)
Withstand voltage	250V 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)/brown
Contacts	Spring copper alloy/nickel substrate (2μm) Gold-plated contacts (0.15μm)

### ■ Dimensions

#### XF3H-□□55-31A

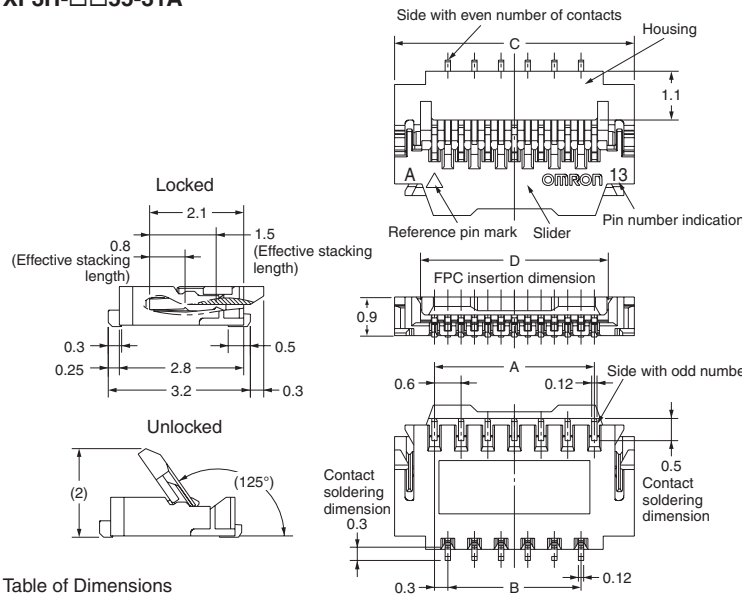
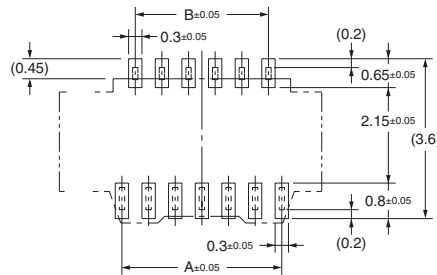


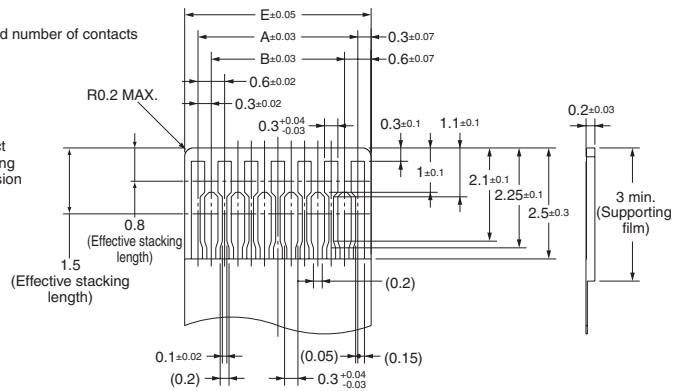
Table of Dimensions

Pins (See *1.)	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
41	XF3H-4155-31A	12.0	11.4	13.8	12.63	12.6
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

#### PCB Mating Dimensions (TOP VIEW)



#### Applicable FPC Dimensions



### ■ Ordering Information (Please consult your trading company for the delivery date.)

Pins (See *1.)	Model	Pins (See *1.)	Model	Quantity per reel (unit) (See *2.)
13	XF3H-1355-31A	41	XF3H-4155-31A	3,000
25	XF3H-2555-31A	45	XF3H-4555-31A	
31	XF3H-3155-31A	51	XF3H-5155-31A	
35	XF3H-3555-31A	57	XF3H-5755-31A	
39	XF3H-3955-31A	61	XF3H-6155-31A	

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

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