



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# XF3H

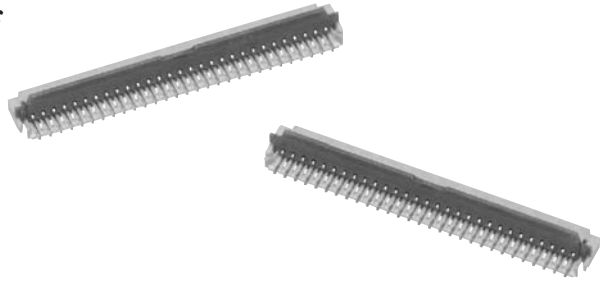
FOR FPC

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

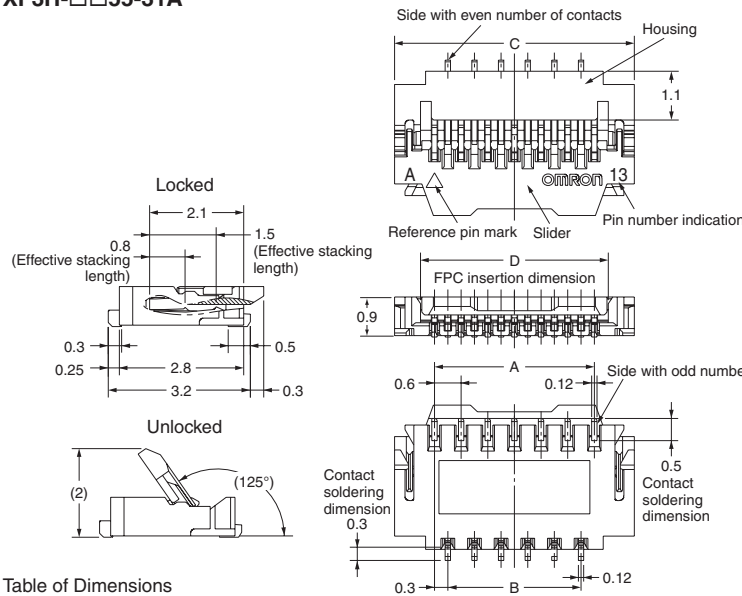
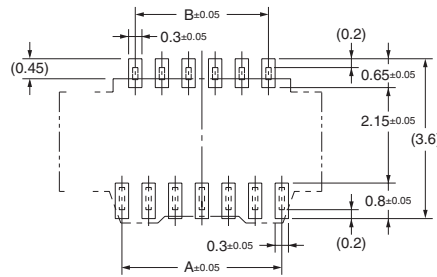


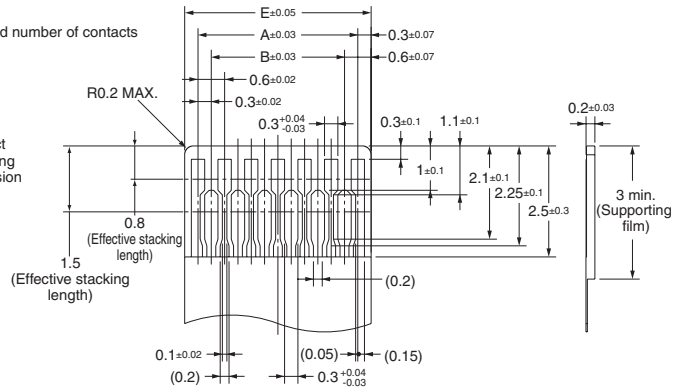
Table of Dimensions

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.