# **ZIF Slide-locking Connector (0.5-mm pitch)**

#### **Greater Freedom of Board Design with Smallest On-board Area in Industry**

- Smallest on-board area and volume in the industry.
- Low on-board profile of only 1.2 mm max.
- Bottom wall prevents terminal exposure.
- Applicable FPC thickness of 0.3 mm.
- Halogen Free (See note)

Note: OMRON uses the following standard to determine halogenfree construction: 900 ppm max. for Br, 900 ppm max. for Cl, and 1,500 ppm max. for Br+Cl.

• RoHS Compliant.



# **Ordering Information**

#### **Upper Contact**

Pins	Model	Qty per reel (See Note)
4	XF2L-0425-1A	3,000
6	XF2L-0625-1A	
7	XF2L-0725-1A	
8	XF2L-0825-1A	
9	XF2L-0925-1A	
10	XF2L-1025-1A	
12	XF2L-1225-1A	
13	XF2L-1325-1A	
18	XF2L-1825-1A	
21	XF2L-2125-1A	
26	XF2L-2625-1A	
30	XF2L-3025-1A	

#### **Lower Contact**

Pins	Model	Qty per reel (See Note)				
5	XF2L-0535-1A	3,000				
6	XF2L-0635-1A					
7	XF2L-0735-1A					
8	XF2L-0835-1A					
10	XF2L-1035-1A					
12	XF2L-1235-1A					
13	XF2L-1335-1A					
15	XF2L-1535-1A					
18	XF2L-1835-1A					
19	XF2L-1935-1A					
20	XF2L-2035-1A					
22	XF2L-2235-1A					
24	XF2L-2435-1A					
30	XF2L-3035-1A					

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

# **Ratings and Specifications**

#### **■** Characteristics

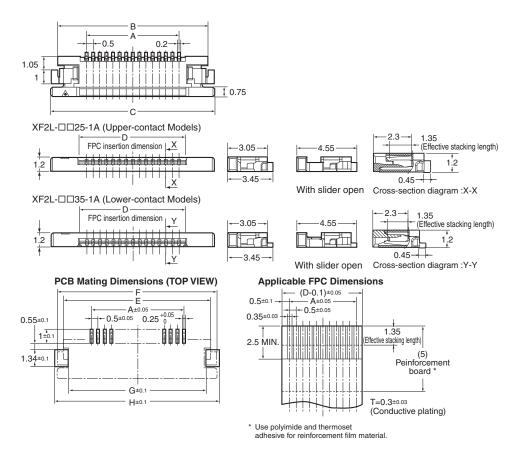
Rated current	0.5A AC/DC				
Rated voltage	50V AC/DC				
Contact resistance	$30~\text{m}\Omega$ max. (at 20 mV DC max., $100~\text{mA}$ max.)				
Insulation resistance	100 MΩ min. (at 250 VDC)				
Withstand voltage	250 VAC for 1 min. (leakage current: 1 mA max.)				
Insertion tolerance	20 times				
Ambient operating temperature	-30 to 85°C (with no icing or condensation)				

### ■ Materials and Finish

Mo	del XF2L - Upper contact type	XF2L - Lower contact type				
Housing	LCP resin (UL94V-0)/natural	LCP resin (UL94V-0)/natural				
Slider	LCP resin (UL94V-0)/black	LCP resin (UL94V-0)/brown				
Contacts	Spring copper alloy/nickel substrate (2 μm), Gold-plated contacts (0.15 μm)					
Hold-down	Spring copper alloy/fused-tin plating (1.5 μm)					

## **Dimensions**

Unit: mm XF2L-□□□5-1A



#### **Table of Dimensions**

Pins	Upper Contact	Lower Contact	Α	В	С	D	E	F	G	Н
4	XF2L-0425-1A		1.5	5.9	6.9	2.6	5.88	6.88	5.28	7.28
5		XF2L-0535-1A	2.0	6.4	7.4	3.1	6.38	7.38	5.78	7.78
6	XF2L-0625-1A	XF2L-0635-1A	2.5	6.9	7.9	3.6	6.88	7.88	6.28	8.28
7	XF2L-0725-1A	XF2L-0735-1A	3.0	7.4	8.4	4.1	7.38	8.38	6.78	8.78
8	XF2L-0825-1A	XF2L-0835-1A	3.5	7.9	8.9	4.6	7.88	8.88	7.28	9.28
9	XF2L-0925-1A		4.0	8.4	9.4	5.1	8.38	9.38	7.78	9.78
10	XF2L-1025-1A	XF2L-1035-1A	4.5	8.9	9.9	5.6	8.88	9.88	8.28	10.28
12	XF2L-1225-1A	XF2L-1235-1A	5.5	9.9	10.9	6.6	9.88	10.88	9.28	11.28
13	XF2L-1325-1A	XF2L-1335-1A	6.0	10.4	11.4	7.1	10.38	11.38	9.78	11.78
15		XF2L-1535-1A	7.0	11.4	12.4	8.1	11.38	12.38	10.78	12.78
18	XF2L-1825-1A	XF2L-1835-1A	8.5	12.9	13.9	9.6	12.88	13.88	12.28	14.28
19		XF2L-1935-1A	9.0	13.4	14.4	10.1	13.38	14.38	12.78	14.78
20		XF2L-2035-1A	9.5	13.9	14.9	10.6	13.88	14.88	13.28	15.28
21	XF2L-2125-1A		10.0	14.4	15.4	11.1	14.38	15.38	13.78	15.78
22		XF2L-2235-1A	10.5	14.9	15.9	11.6	14.88	15.88	14.28	16.28
24		XF2L-2435-1A	11.5	15.9	16.9	12.6	15.88	16.88	15.28	17.28
26	XF2L-2625-1A		12.5	16.9	17.9	13.6	16.88	17.88	16.28	18.28
30	XF2L-3025-1A	XF2L-3035-1A	14.5	18.9	19.9	15.6	18.88	19.88	18.28	20.28

#### **Omron Electronic Components, LLC**

#### **Terms and Conditions of Sales**

#### I. GENERAL

Definitions: The words used herein are defined as follows.

Terms: These terms and conditions

Seller: Omron Electronic Components LLC and its subsidiaries (b)

The buyer of Products, including any end user in section III through VI Buyer: (c)

Products: Products and/or services of Seller Including: Including without limitation

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Delivery and shipping dates are estimates only; and

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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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