

ZIF Slide-locking Connector (0.5-mm pitch)

XF2L

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 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

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 mΩ max. (at 20 mV DC 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)

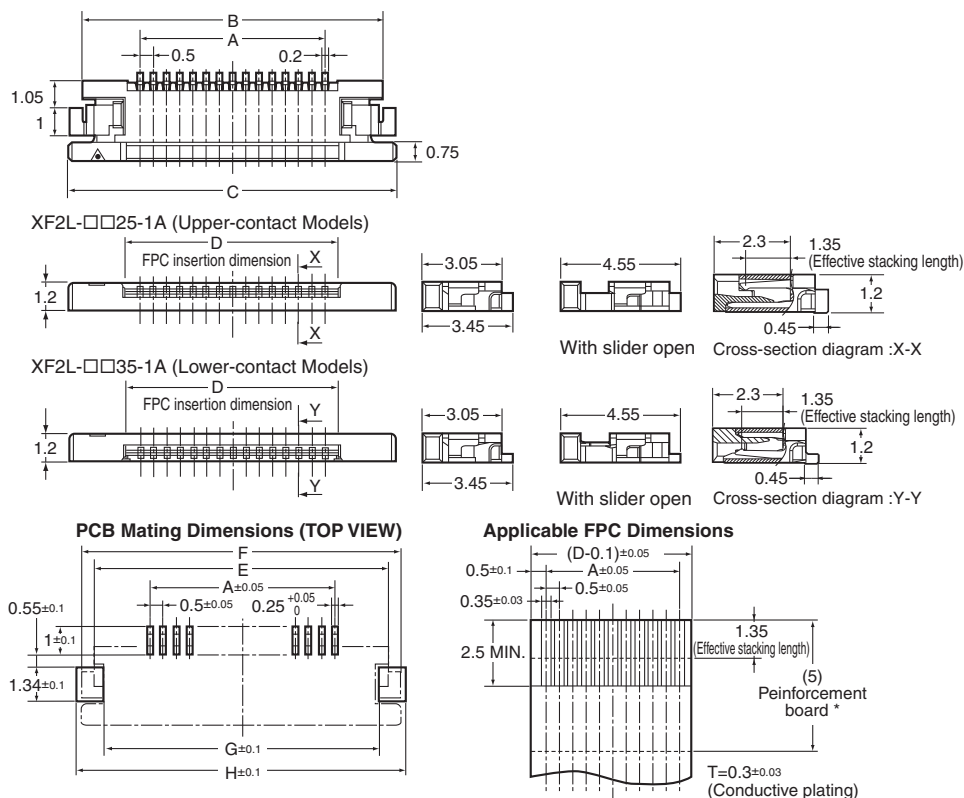
■ Materials and Finish

Model	XF2L - Upper contact type	XF2L - Lower contact type
Housing	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



* Use polyimide and thermoset adhesive for reinforcement film material.

Table of Dimensions

Pins	Upper Contact	Lower Contact	A	B	C	D	E	F	G	H
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

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- Definitions:** The words used herein are defined as follows.
 - Terms:** These terms and conditions
 - Seller:** Omron Electronic Components LLC and its subsidiaries
 - Buyer:** The buyer of Products, including any end user in section III through VI
 - Products:** Products and/or services of Seller
 - Including:** Including without limitation
- Offer/Acceptance:** These Terms are deemed part of all quotations, acknowledgments, invoices, purchase orders and other documents, whether electronic or in writing, relating to the sale of Products by Seller. Seller hereby objects to any Terms proposed in Buyer's purchase order or other documents which are inconsistent with, or in addition to, these Terms.
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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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- Suitability:** IT IS THE BUYER'S SOLE RESPONSIBILITY TO ENSURE THAT ANY OMRON PRODUCT IS FIT AND SUFFICIENT FOR USE IN A MOTORIZED VEHICLE APPLICATION. BUYER SHALL BE SOLELY RESPONSIBLE FOR DETERMINING APPROPRIATENESS OF THE PARTICULAR PRODUCT WITH RESPECT TO THE BUYER'S APPLICATION INCLUDING (A) ELECTRICAL OR ELECTRONIC COMPONENTS, (B) CIRCUITS, (C) SYSTEM ASSEMBLIES, (D) END PRODUCT, (E) SYSTEM, (F) MATERIALS OR SUBSTANCES OR (G) OPERATING ENVIRONMENT. Buyer acknowledges that it alone has determined that the Products will meet their requirements of the intended use in all cases. Buyer must know and observe all prohibitions of use applicable to the Product/s.
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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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