

XF2L

ZIF Slide-locking Connector (0.5-mm Pitch)

This announcement is based on product catalogue information previously shown before its discontinuation
Product information of the existing product may be different from the previous version

For FPC

Greater Freedom in Board Design with a Bottom Wall and the Smallest On-board Area in the Industry

- Smallest on-board area and volume in the industry.
- Low on-board height of only 1.2 mm.
- Highest board design surface efficiency in the industry with a bottom wall preventing terminal exposure.
- Construction with secure slider locking mechanism.
- Applicable FPC thickness of 0.3 mm (Gold-plated type).
- Halogen Free (*)

* 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	0.5 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	30 mΩ max. (at 20 mV DC max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 V DC)
Dielectric strength	250 V AC for 1 min. (leakage current: 1 mA max.)
Insertion durability	20 times
Ambient operating temperature	-30 to 85 °C (With no icing or condensation)

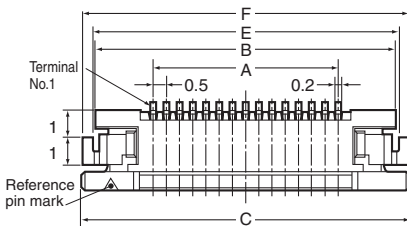
■ Materials and Finish

Item	Model	XF2L (Upper-sided Models)	XF2L (Lower-sided Models)
Housing		LCP resin (UL94 V-0)/natural	LCP resin (UL94 V-0)/brown
Slider		LCP resin (UL94 V-0)/black	LCP resin (UL94 V-0)/brown
Contacts		Spring copper alloy/nickel substrate (2 μm) Gold-plated contacts (0.15 μm)	
Hold-down		Copper alloy/tin-plated (1.5 μm)	

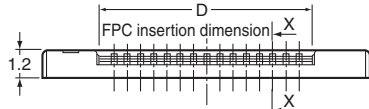
(Unit: mm)

■ Dimensions

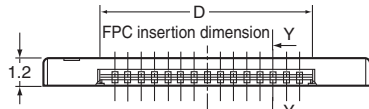
XF2L-□□□5-1A



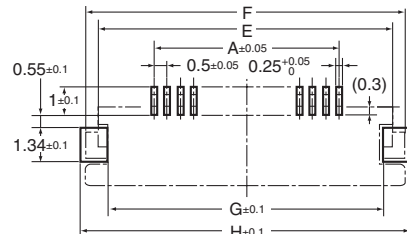
XF2L-□□25-1A (Upper-sided Models)



XF2L-□□35-1A (Lower-sided Models)



PCB Dimensions (TOP VIEW)



Recommended FPC Dimensions

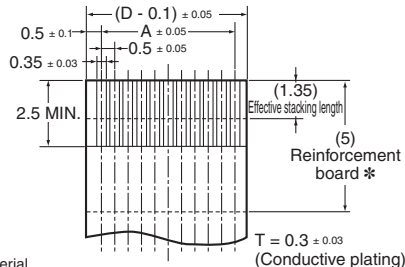


Table of Dimensions

Upper sided

Pins ^{*1}	Model	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
6	XF2L-0625-1A	2.5	6.9	7.9	3.6	6.88	7.88	6.28	8.28
7	XF2L-0725-1A	3.0	7.4	8.4	4.1	7.38	8.38	6.78	8.78
8	XF2L-0825-1A	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	4.5	8.9	9.9	5.6	8.88	9.88	8.28	10.28
12	XF2L-1225-1A	5.5	9.9	10.9	6.6	9.88	10.88	9.28	11.28
13	XF2L-1325-1A	6.0	10.4	11.4	7.1	10.38	11.38	9.78	11.78
18	XF2L-1825-1A	8.5	12.9	13.9	9.6	12.88	13.88	12.28	14.28
21	XF2L-2125-1A	10.0	14.4	15.4	11.1	14.38	15.38	13.78	15.78
26	XF2L-2625-1A	12.5	16.9	17.9	13.6	16.88	17.88	16.28	18.28
30	XF2L-3025-1A	14.5	18.9	19.9	15.6	18.88	19.88	18.28	20.28

Lower sided

Pins ^{*1}	Model	A	B	C	D	E	F	G	H
5	XF2L-0535-1A	2.0	6.4	7.4	3.1	6.38	7.38	5.78	7.78
6	XF2L-0635-1A	2.5	6.9	7.9	3.6	6.88	7.88	6.28	8.28
7	XF2L-0735-1A	3.0	7.4	8.4	4.1	7.38	8.38	6.78	8.78
8	XF2L-0835-1A	3.5	7.9	8.9	4.6	7.88	8.88	7.28	9.28
10	XF2L-1035-1A	4.5	8.9	9.9	5.6	8.88	9.88	8.28	10.28
12	XF2L-1235-1A	5.5	9.9	10.9	6.6	9.88	10.88	9.28	11.28
13	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-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
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
30	XF2L-3035-1A	14.5	18.9	19.9	15.6	18.88	19.88	18.28	20.28

* Use polyimide and thermoset adhesive for reinforcement film material.

■ Ordering Information

Pins ^{*1}	List of Models	Model	Pins ^{*1}	List of Models	Model	Pins ^{*1}	List of Models	Model	Quantity per reel (unit) ^{*2}
4	Upper sided	XF2L-0425-1A	10	Upper sided	XF2L-1025-1A	19	Lower sided	XF2L-1935-1A	3,000
5	Lower sided	XF2L-0535-1A		Lower sided	XF2L-1035-1A	20	Lower sided	XF2L-2035-1A	
6	Upper sided	XF2L-0625-1A	12	Upper sided	XF2L-1225-1A	21	Upper sided	XF2L-2125-1A	
	Lower sided	XF2L-0635-1A		Lower sided	XF2L-1235-1A	22	Lower sided	XF2L-2235-1A	
7	Upper sided	XF2L-0725-1A	13	Upper sided	XF2L-1325-1A	24	Lower sided	XF2L-2435-1A	
	Lower sided	XF2L-0735-1A		Lower sided	XF2L-1335-1A	26	Upper sided	XF2L-2625-1A	
8	Upper sided	XF2L-0825-1A	15	Lower sided	XF2L-1535-1A	30	Upper sided	XF2L-3025-1A	
	Lower sided	XF2L-0835-1A		Upper sided	XF2L-1825-1A		Lower sided	XF2L-3035-1A	
9	Upper sided	XF2L-0925-1A	18	Lower sided	XF2L-1835-1A	-	-	-	

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

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