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

XF2L

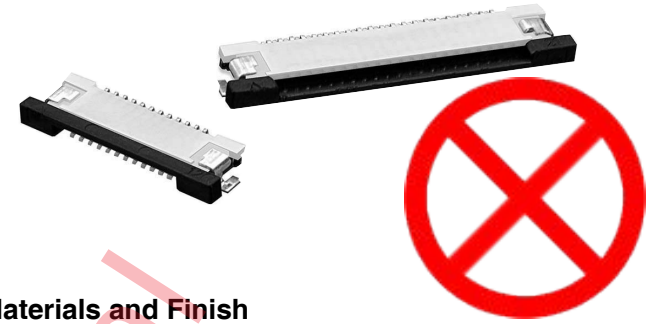
ZIF Slide-locking Connector (0.5-mm Pitch)

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)

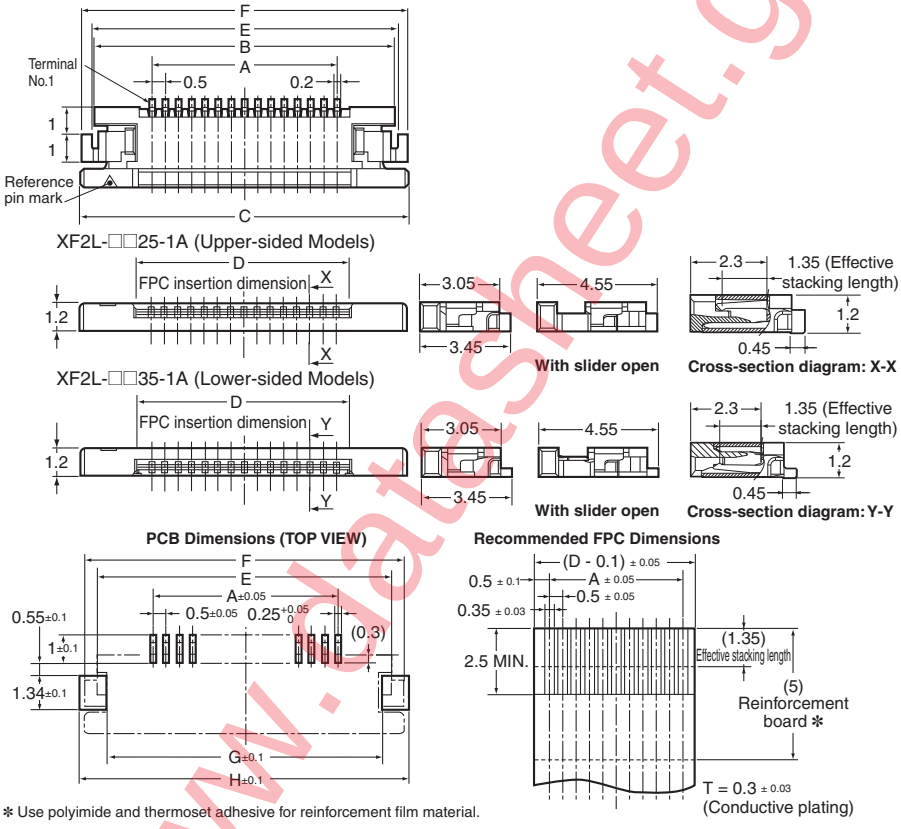
■ Materials and Finish

Item \ Model	XF2L (Upper-sided Models)	XF2L (Lower-sided Models)
Housing	LCP resin (UL94 V-0)/natural	
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)	

■ Dimensions

(Unit: mm)

XF2L-□□□5-1A



* Use polyimide and thermoset adhesive for reinforcement film material.

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

■ 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	18	Upper sided	XF2L-1825-1A		Lower sided	XF2L-3035-1A	
9	Upper sided	XF2L-0925-1A		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.

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