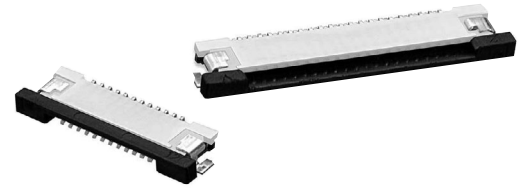


ZIF Slide-locking Connector (0.5-mm Pitch)

XF2L

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 profile 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.



■ 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)
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

Model	XF2L (Upper-contact Models)	XF2L (Lower-contact Models)
Ordering		
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

XF2L-□□□5-1□

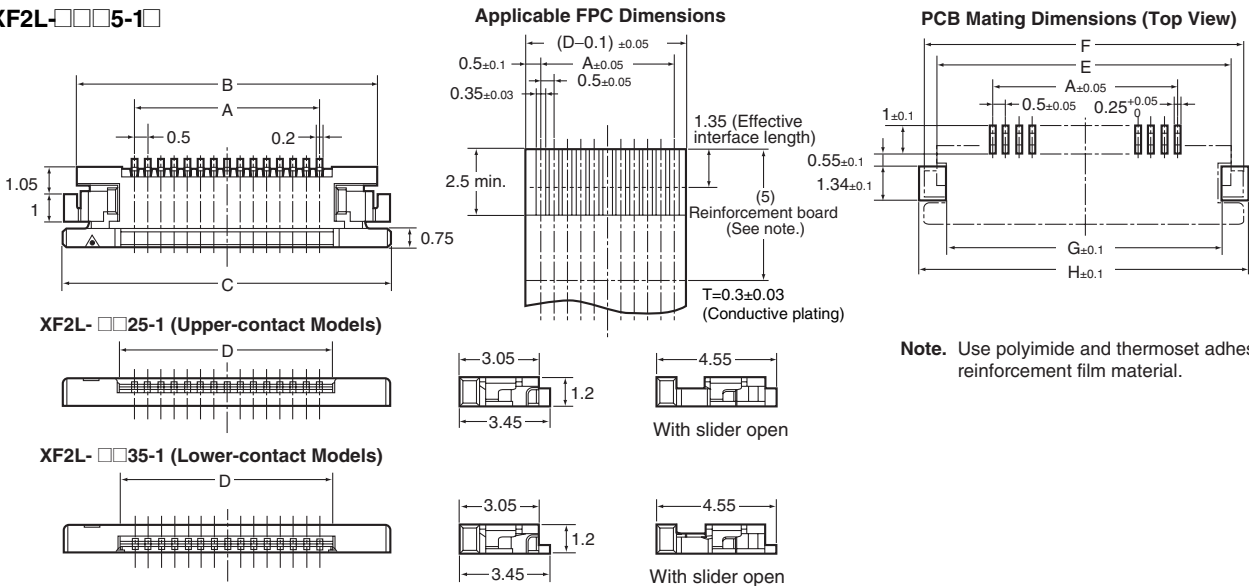


Table of Dimensions
Upper-contact Models

Pins	Model (See note 1.)	A	B	C	D	E	F	G	H
4	XF2L-0425-1□	1.5	5.9	6.9	2.6	5.88	6.88	5.28	7.28
6	XF2L-0625-1□	2.5	6.9	7.9	3.6	6.88	7.88	6.28	8.28
7	XF2L-0725-1□	3.0	7.4	8.4	4.1	7.38	8.38	6.78	8.78
8	XF2L-0825-1□	3.5	7.9	8.9	4.6	7.88	8.88	7.28	9.28
9	XF2L-0925-1□	4.0	8.4	9.4	5.1	8.38	9.38	7.78	9.78
10	XF2L-1025-1□	4.5	8.9	9.9	5.6	8.88	9.88	8.28	10.28
12	XF2L-1225-1□	5.5	9.9	10.9	6.6	9.88	10.88	9.28	11.28
13	XF2L-1325-1□	6.0	10.4	11.4	7.1	10.38	11.38	9.78	11.78
18	XF2L-1825-1□	8.5	12.9	13.9	9.6	12.88	13.88	12.28	14.28
21	XF2L-2125-1□	10.0	14.4	15.4	11.1	14.38	15.38	13.78	15.78
26	XF2L-2625-1□	12.5	16.9	17.9	13.6	16.88	17.88	16.28	18.28
30	XF2L-3025-1□	14.5	18.9	19.9	15.6	18.88	19.88	18.28	20.28

Lower-contact Models

Pins	Model (See note 1.)	A	B	C	D	E	F	G	H
5	XF2L-0535-1□	2.0	6.4	7.4	3.1	6.38	7.38	5.78	7.78
6	XF2L-0635-1□	2.5	6.9	7.9	3.6	6.88	7.88	6.28	8.28
7	XF2L-0735-1□	3.0	7.4	8.4	4.1	7.38	8.38	6.78	8.78
8	XF2L-0835-1□	3.5	7.9	8.9	4.6	7.88	8.88	7.28	9.28
10	XF2L-1035-1□	4.5	8.9	9.9	5.6	8.88	9.88	8.28	10.28
12	XF2L-1235-1□	5.5	9.9	10.9	6.6	9.88	10.88	9.28	11.28
13	XF2L-1335-1□	6.0	10.4	11.4	7.1	10.38	11.38	9.78	11.78
15	XF2L-1535-1□	7.0	11.4	12.4	8.1	11.38	12.38	10.78	12.78
18	XF2L-1835-1□	8.5	12.9	13.9	9.6	12.88	13.88	12.28	14.28
19	XF2L-1935-1□	9.0	13.4	14.4	10.1	13.38	14.38	12.78	14.78
20	XF2L-2035-1□	9.5	13.9	14.9	10.6	13.88	14.88	13.28	15.28
22	XF2L-2235-1□	10.5	14.9	15.9	11.6	14.88	15.88	14.28	16.28
24	XF2L-2435-1□	11.5	15.9	16.9	12.6	15.88	16.88	15.28	17.28
30	XF2L-3035-1□	14.5	18.9	19.9	15.6	18.88	19.88	18.28	20.28

■ Ordering Information

Pins	Type	Model (See note 1.)	Pins	Type	Model (See note 1.)	Pins	Type	Model (See note 1.)	Quantity per reel (See note 2.)
4	Upper-contact	XF2L-0425-1□	10	Upper-contact	XF2L-1025-1□	19	Lower-contact	XF2L-1935-1□	3,000
5	Lower-contact	XF2L-0535-1□		Lower-contact	XF2L-1035-1□	20	Lower-contact	XF2L-2035-1□	
6	Upper-contact	XF2L-0625-1□	12	Upper-contact	XF2L-1225-1□	21	Upper-contact	XF2L-2125-1□	
	Lower-contact	XF2L-0635-1□		Lower-contact	XF2L-1235-1□	22	Lower-contact	XF2L-2235-1□	
7	Upper-contact	XF2L-0725-1□	13	Upper-contact	XF2L-1325-1□	24	Lower-contact	XF2L-2435-1□	
	Lower-contact	XF2L-0735-1□		Lower-contact	XF2L-1335-1□	26	Upper-contact	XF2L-2625-1□	
8	Upper-contact	XF2L-0825-1□	15	Lower-contact	XF2L-1535-1□	30	Upper-contact	XF2L-3025-1□	
	Lower-contact	XF2L-0835-1□	18	Upper-contact	XF2L-1825-1□		Lower-contact	XF2L-3035-1□	
9	Upper-contact	XF2L-0925-1□			Lower-contact	XF2L-1835-1□	---	---	

Note: 1. The symbol in the box at the end of the model number indicates the type of plating.

A: Gold-plated (RoHS compliant).

- Order an integer multiple of the quantity per reel.
- Consult your OMRON representative for inquiries related to pin number specifications.
- Consult your OMRON representative for inquiries about lead-free tin solder.
- Solder plating (specified by -1 at the end of the model number) will end production March 2006.

RoHS Compliance and Pin Number Specifications

Refer to the following website for the latest information. <http://www.omron.co.jp/ecb/>