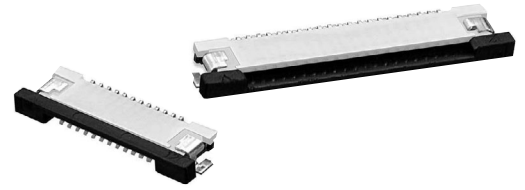


# ZIF Slide-locking Connector (0.5-mm Pitch)

# 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 Ordering	XF2L (Upper-contact Models)	XF2L (Lower-contact Models)
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□

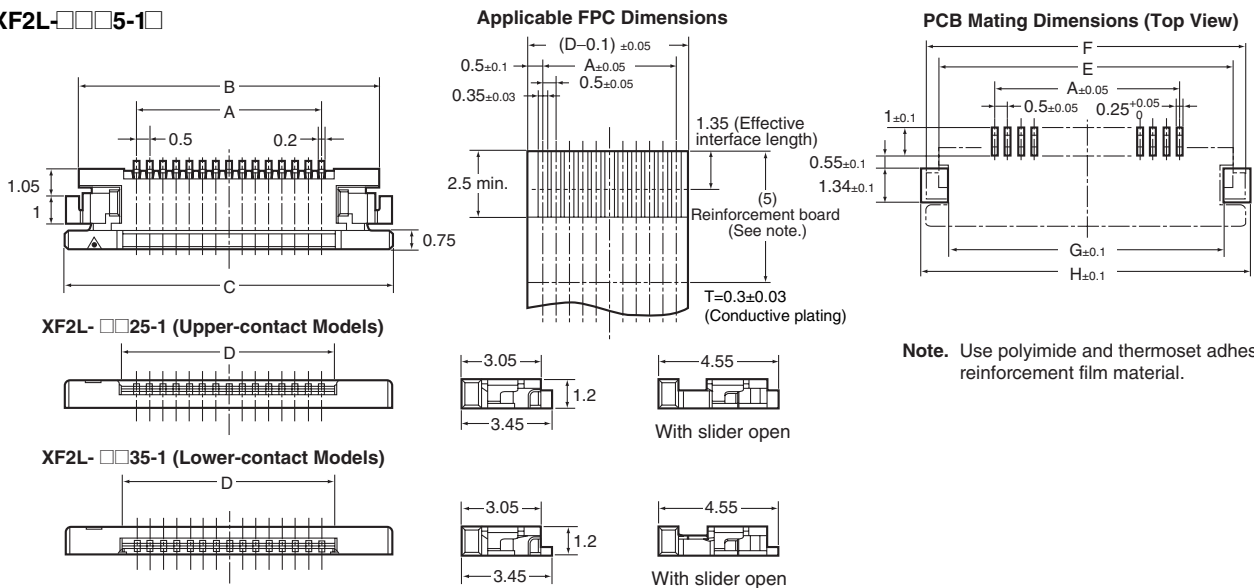


Table of Dimensions  
Upper-contact Models

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).

2. Order an integer multiple of the quantity per reel.
3. Consult your OMRON representative for inquiries related to pin number specifications.
4. Consult your OMRON representative for inquiries about lead-free tin solder.
5. 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/>