

0.5 mm-pitch Low-profile Type

XF2L

Industry-smallest on-board area and low-profile construction enhance board design freedom.

- Occupies smallest on-board area in the industry.
- Low profile only 1.2 mm max. above the board.
- The connectors on the lower surface do not protrude from the rear connector face, achieving highest board-design efficiency in the industry.
- Secure locking.

■ Specifications

Rated current	0.5A
Rated voltage	50 VDC
Contact resistance	30 mΩ max. (max. 20 mVDC, max. 100 mA)
Insulation resistance	100 MΩ min. (at 250 VDC)
Withstand voltage	250 VAC 1 min. (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient temperature	-30 to +85°C (No condensation at low temperatures.)

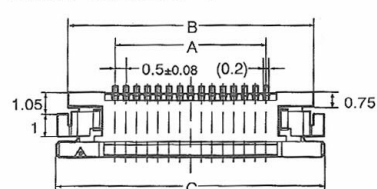


■ Materials/Finish

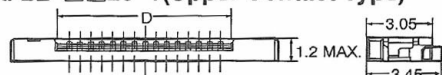
	Upper Contact Type	Lower Contact Type
Housing	LCP resin (UL94V-0)/natural	LPC resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black	LCP resin (UL94V-0)/brown
Contact	Copper-alloy/nickel spring substrate (2μm) plated with tin alloy (2μm)	
Hold-down	Copper-alloy/Hot-dip silver plated	

■ Dimensions

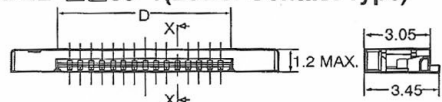
XF2L-□□□□-1



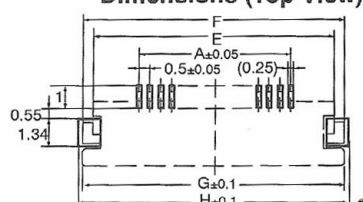
XF2L-□□25-1 (Upper Contact Type)



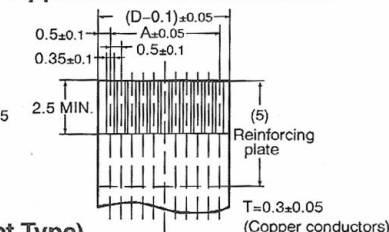
XF2L-□□35-1 (Lower Contact Type)



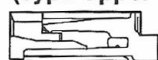
Printed Circuit Board Matching Dimensions (Top View)



Applicable FPC Dimensions



XF2L-□□25-1 (Type Upper Contact)



XF2L-□□35-1 (Type Lower Contact)

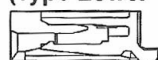


Table of Dimensions

Upper Contact Type

Poles	Model	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
10	XF2L-1025-1	4.5	8.9	10.9	5.6	8.88	9.88	8.28	10.28
13	XF2L-1325-1	6.0	10.4	12.4	7.1	10.38	11.38	9.78	11.78
20	XF2L-2025-1	9.5	13.9	14.9	10.6	13.88	14.88	13.28	15.28
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 Type

Poles	Model	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
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
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
30	XF2L-3035-1	14.5	18.9	19.9	15.6	18.88	19.88	18.28	20.28

■ Ordering Information

Poles	Type	Model	Poles	Type	Model	Quantity per reel*
4	Upper Contact	XF2L-0425-1	13	Upper Contact	XF2L-1325-1	3,000
5	Lower Contact	XF2L-0535-1		Lower Contact	XF2L-1335-1	
6	Upper Contact	XF2L-0625-1	20	Upper Contact	XF2L-2025-1	
7	Upper Contact	XF2L-0725-1		Lower Contact	XF2L-2035-1	
	Lower Contact	XF2L-0735-1	21	Upper Contact	XF2L-2125-1	
8	Upper Contact	XF2L-0825-1	22	Lower Contact	XF2L-2235-1	
	Lower Contact	XF2L-0835-1	26	Upper Contact	XF2L-2625-1	
10	Upper Contact	XF2L-1025-1	30	Upper Contact	XF2L-3025-1	
	Lower Contact	XF2L-1035-1		Lower Contact	XF2L-3035-1	
12	Lower Contact	XF2L-1235-1				

*Order an integer multiple of the quantity per reel.