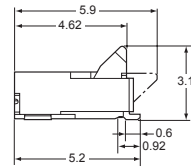
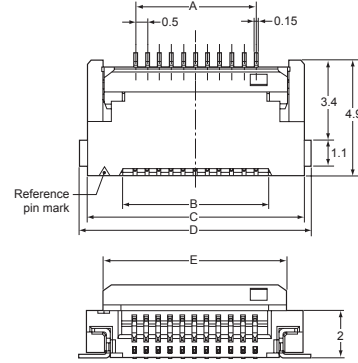


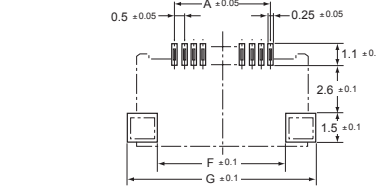
**0.5 mm pitch - Rotary Backlock Type – XF2M**

**■ Dimensions**

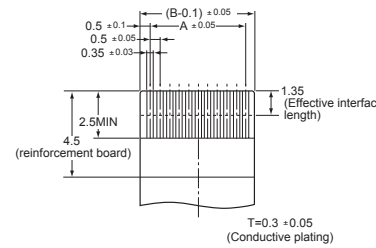
XF2M-□□15-1F



Printed Circuit Board Matching Dimensions (Top View)



Applicable FPC Dimensions



**■ Table of Dimensions**

Pins (see note 1)	Model (see note 2)	A	B	C	D	E	F	G
10	XF2M-1015-1A	4.5	5.6	8.5	9.1	7.1	6.1	9.5
12	XF2M-1215-1A	5.5	6.6	9.5	10.1	8.1	7.1	10.5
14	XF2M-1415-1A	6.5	7.6	10.5	11.1	9.1	8.1	11.5
18	XF2M-1815-1A	8.5	9.6	12.5	13.1	11.1	10.1	13.5
20	XF2M-2015-1A	9.5	10.6	13.5	14.1	12.1	11.1	14.5
22	XF2M-2215-1A	10.5	11.6	14.5	15.1	13.1	12.1	15.5
24	XF2M-2415-1A	11.5	12.6	15.5	16.1	14.1	13.1	16.5
26	XF2M-2615-1A	12.5	13.6	16.5	17.1	15.1	14.1	17.5
30	XF2M-3015-1A	14.5	15.6	18.5	19.1	17.1	16.1	19.5
32	XF2M-3215-1A	15.5	16.6	19.5	20.1	18.1	17.1	20.5
33	XF2M-3315-1A	16.0	17.1	20.0	20.6	18.6	17.6	21.0
34	XF2M-3415-1A	16.5	17.6	20.5	21.1	19.1	18.1	21.5
35	XF2M-3515-1A	17.0	18.1	21.0	21.6	19.6	18.6	22.0
36	XF2M-3615-1A	17.5	18.6	21.5	22.1	20.1	19.1	22.5
38	XF2M-3815-1A	18.5	19.6	22.5	23.1	21.1	20.1	23.5
40	XF2M-4015-1A	19.5	20.6	23.5	24.1	22.1	21.1	24.5
42	XF2M-4215-1A	20.5	21.6	24.5	25.1	23.1	22.1	25.5
45	XF2M-4515-1A	22.0	23.1	26.0	26.6	24.6	23.6	27.0
50	XF2M-5015-1A	24.5	25.6	28.5	29.1	27.1	26.1	29.5
55	XF2M-5515-1AH	27.0	28.1	31.0	31.6	29.6	28.6	32.0
60	XF2M-6015-1AH	29.5	30.6	33.5	34.1	32.1	31.1	34.5

Note 1: According to the stated specifications, the aperture at the end of the unit shall be plated.  
A: Gold-plated (lead-free)

ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.  
To convert millimetres into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

CAT NO. G914-E2-02

**0.5 mm Pitch – ZIF Slide Type – XF2J**

**Top-entry ZIF Connector**

- Slider achieves secure locking.
- Low-profile, protruding only 4.15 mm on the PCB.
- Adhesion face on top of the connector suits automatic mounting.
- Models with reverse terminal arrangement also available.
- Applicable FPC thickness, t = 0.3mm.



**Specifications**

**■ Specifications**

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

**■ Materials/Finish**

Housing	PA46 resin (UL94V-0)/natural
Slider	PPS resin (UL94V-0)/black, LCP resin (UL94V-0)/black
Contact	Spring copper-alloy/nickel substrate (2 μm) gold plated contacts (0.15 μm)
Hold Down	Spring copper-alloy/fused-tin plating (1.5 μm)

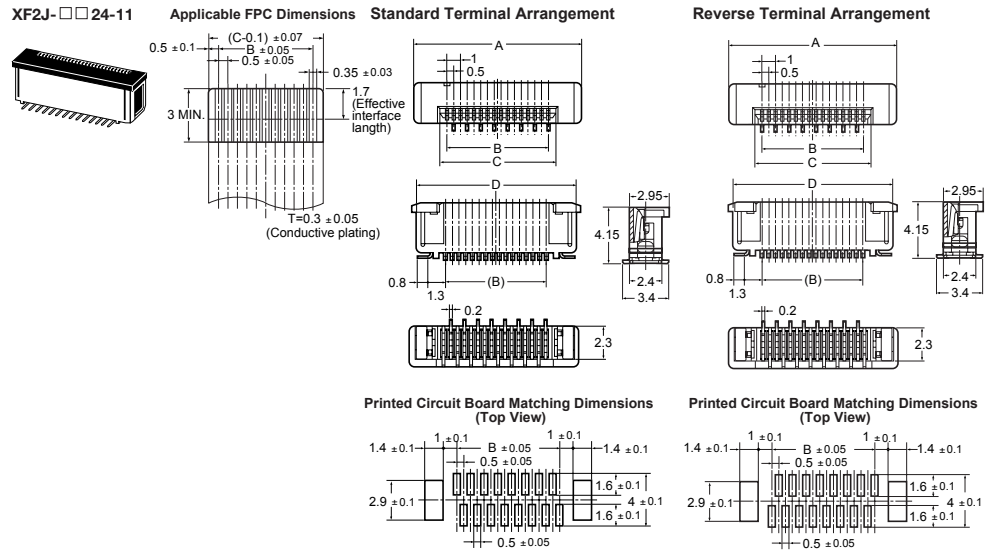
**■ Ordering Information**

Poles	Model		Quantity per reel*
	Standard Terminal Arrangement	Reverse Terminal Arrangement	
6	XF2J-0624-11A	XF2J-0624-12A	1,000
8	XF2J-0824-11A	XF2J-0824-12A	
10	XF2J-1024-11A	XF2J-1024-12A	
12	XF2J-1224-11A	XF2J-1224-12A	
14	XF2J-1424-11A	-	
16	XF2J-1624-11A	XF2J-1624-12A	
18	XF2J-1824-11A	XF2J-1824-12A	
20	XF2J-2024-11A	XF2J-2024-12A	
22	XF2J-2224-11A	XF2J-2224-12A	
24	XF2J-2424-11A	XF2J-2424-12A	
26	XF2J-2624-11A	-	
28	XF2J-2824-11A	-	
30	XF2J-3024-11A	-	
40	-	XF2J-4024-12A	

Note 1: According to the stated specifications, the aperture at the end of the unit shall be plated.  
A: Gold-plated (lead-free)

**0.5 mm Pitch - ZIF Slide Type - XF2J**

**■ Dimensions**



**■ Table of Dimensions**

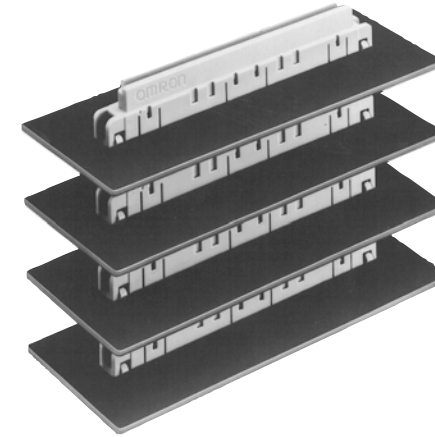
Poles	Model		A	B	C	D
	Standard Terminal Arrangement	Reverse Terminal Arrangement				
6	XF2J-0624-11□	XF2J-0624-12□	7.5	2.5	3.6	6.9
8	XF2J-0824-11□	XF2J-0824-12□	8.5	3.5	4.6	7.9
10	XF2J-1024-11□	XF2J-1024-12□	9.5	4.5	5.6	8.9
12	XF2J-1224-11□	XF2J-1224-12□	10.5	5.5	6.6	9.9
14	XF2J-1424-11□	-	11.5	6.5	7.6	10.9
16	XF2J-1624-11□	XF2J-1624-12□	12.5	7.5	8.6	11.9
18	XF2J-1824-11□	XF2J-1824-12□	13.5	8.5	9.6	12.9
20	XF2J-2024-11□	XF2J-2024-12□	14.5	9.5	10.6	13.9
22	XF2J-2224-11□	XF2J-2224-12□	15.5	10.5	11.6	14.9
24	XF2J-2424-11□	XF2J-2424-12□	16.5	11.5	12.6	15.9
26	XF2J-2624-11□	-	17.5	12.5	13.6	16.9
28	XF2J-2824-11□	-	18.5	13.5	14.6	17.9
30	XF2J-3024-11□	-	19.5	14.5	15.6	18.9
40	-	XF2J-4024-12□	25.1	19.5	20.6	24.3

ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.  
To convert millimetres into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

**Half-pitch Fine-fit and Stacking Connectors - XH3**

**Half-pitch Fine-fit Connectors  
Achieve High-density Mounting  
without Soldering**

- Solderless connection eliminates soldering and washing processes.
- Multi-level stacking conserves board space.
- Requires half the space of conventional DIN connectors (OMRON's XC5B).
- At a stacking height of 16.8 mm, the XH3 can be stacked together with DIN connectors.
- Mates with conventional XH3-series Half-pitch Connectors.
- Allows press fitting using commercial tools.



**Specifications**

Rated current	0.5 A
Rated voltage	125 VAC
Contact resistance (See note)	40 mΩ max. (at 20 mV, 100 mA max.)
Insulation resistance	1,000 MΩ min. (at 500 VDC)
Dielectric strength	650 VAC for 1 min. (leakage current: 1 mA max.)
Connector insertion force	0.78 N max. per contact
Connector removal force	0.05 N min. per contact
Insertion tolerance	50 times
Ambient temperature	Operating: -55 to 105°C (with no icing)

Note: The contact resistance is for the XH3B-013-D32 combined with the XH3B-013P-D5F (with the XH3B-013-D32 terminal used as the plug).

**■ Materials and Finish**

Connector	Housing	PBT resin with glass (UL94V-0)/grey	
	Locator	Polyester elastomer (UL94V-0)/black	
	Contacts	Socket	Copper alloy/nickel base, 0.15-mm gold plating
		Short terminal	Copper alloy/nickel base, gold flash plating
	Backplane terminal	Copper alloy/nickel base, 0.15-mm gold plating	
Backplane connector housing/short terminal connector rear cover		PBT resin with glass (UL94V-0)/grey	

**■ Applicable Fine-fit PCBs**

PCB thickness	1.6 mm	
Through holes	Finished diameter	0.5±0.05 mm diameter (drill bit diameter 0.55+0.05 mm)
	Plating specifications	5 μm min. solder with 25 μm min. copper base
PCB materials	Glass-epoxy board	

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