



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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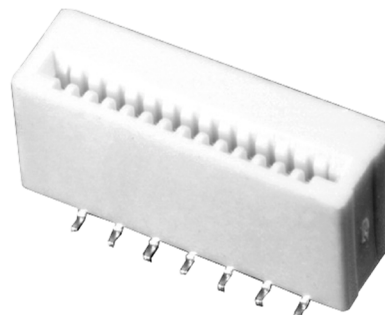


0.5 mm-Pitch Vertical FPC Connector

XF2G

SMT Non-ZIF (Zero Insertion Force)
Connector Offers a Low-Cost, Top
Entry Alternative to Locking Types

- Enlarged top surface area makes automatic assembly easier
- Low-profile, measures only 4.15 mm above the circuit board
- Hold down terminal improves connection stability during soldering
- Connectors supplied on tape reels for automatic insertion



Ordering Information

Circuits	Part number	Quantity per reel
6	XF2G-0614-11	1,000 per reel
14	XF2G-1414-11	Order in multiples of the quantity per reel.
16	XF2G-1614-11	

Note: Connectors with different circuit counts and contact locations are available on special order. Contact your Omron representative.

Specifications

Rated current	0.5 A
Rated voltage	50 VDC
Contact resistance	30 M Ω max. at 20 mVDC, 100 mA max.
Insulation resistance	100 M Ω min. at 250 VDC
Withstand voltage	250 VAC for 1 minute (with a leakage current of 1 mA max.)
Insertion tolerance	10 times
Ambient temperature	-30°C to 85°C (-22°F to 185°F); no condensation at low temperatures

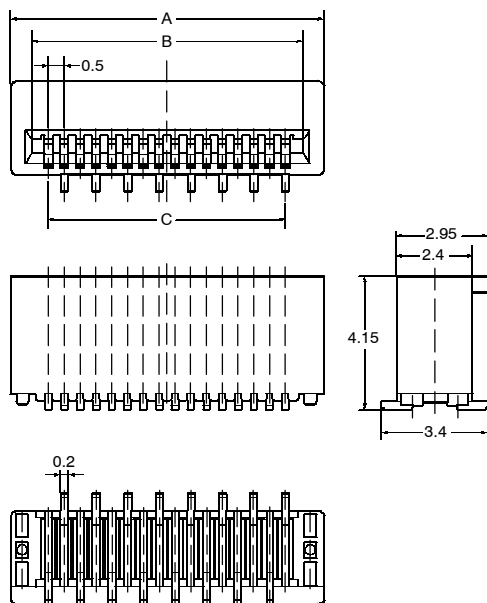
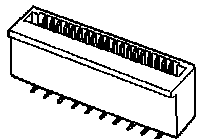
■ MATERIALS/FINISH

Housing	PA46 resin (UL94V-0)/natural
Contact	Copper-alloy/nickel spring substrate (2 μ m) plated with tin alloy (2 μ m)

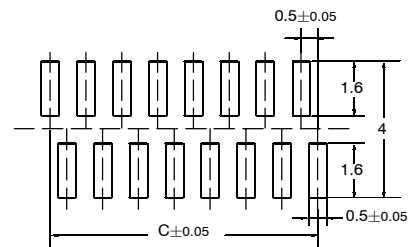
Dimensions

Unit: mm

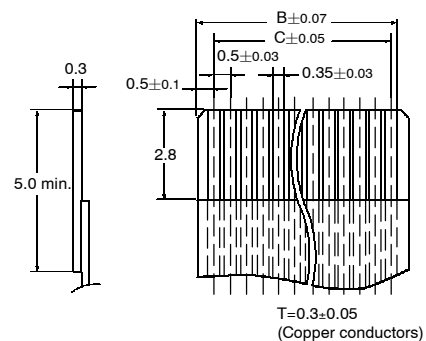
■ XF2G-□□14-11



Printed Circuit Board Matching Dimensions (Top View)



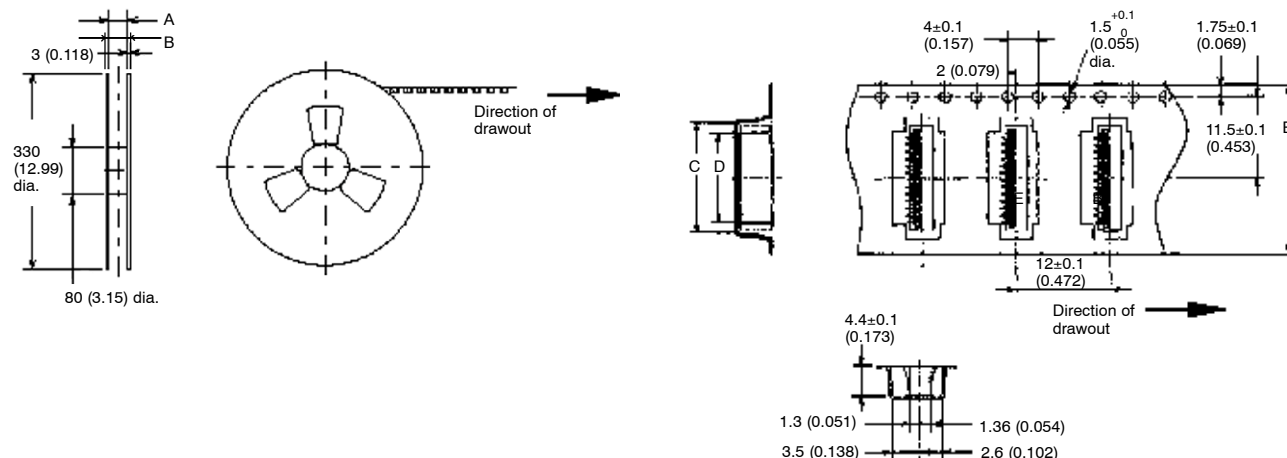
Applicable FPC Dimensions



■ TABLE OF DIMENSIONS

Circuits	Part number	A	B	C
6	XF2G-0614-11	4.9 (0.193)	3.5 (0.380)	2.5 (0.098)
14	XF2G-1414-11	8.9 (0.350)	7.5 (0.295)	6.5 (0.256)
16	XF2G-1614-11	9.9 (0.390)	8.5 (0.335)	7.5 (0.295)

TAPE AND REEL DIMENSIONS



Circuits	Part number	A	B	C	D	E
6	XF2G-0614-11	16.4^{+2}_0 (0.646)	22.4 (0.882)	5.0 (0.197)	3.1 (0.122)	16 ± 0.3 (0.630)
14	XF2G-1414-11	24.4^{+2}_0 (0.961)	30.4 (1.197)	9.0 (0.354)	7.1 (0.280)	24 ± 0.3 (0.945)
16	XF2G-1614-11			10.0 (0.394)	8.1 (0.319)	

Precautions

RECOMMENDED REFLOW CONDITIONS

Pre-heat

Temperature: $150\pm10^{\circ}\text{C}$

Time: 60 to 120 seconds

Soldering

Temperature: 200 to 240°C

Time: Not exceeding 30 seconds
(Not exceeding 10 seconds at 240°C maximum temperature.)

STORAGE

Do not store under high humidity levels as this may cause deterioration of the insulation.

HANDLING THE FPC

Do not forcibly bend or pull an FPC which has been mounted and locked. This may cause discontinuities in the FPC.

NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

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