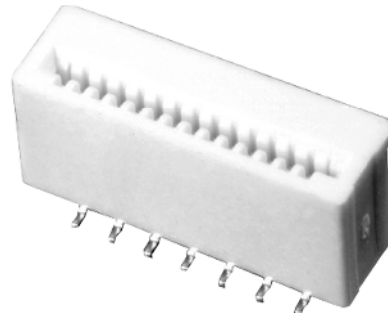


## 0.5 mm-Pitch Vertical FPC Connector

## 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 $\Omega$ max. at 20 mVDC, 100 mA max.
Insulation resistance	100 M $\Omega$ 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

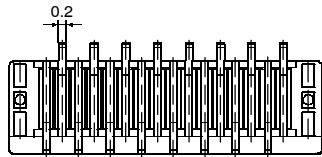
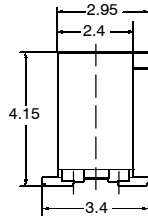
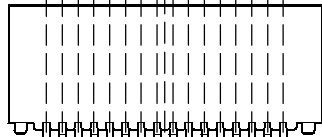
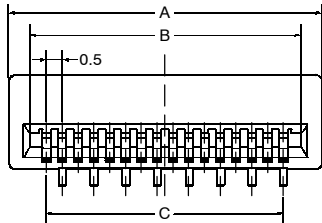
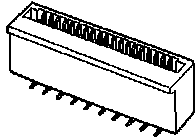
### ■ MATERIALS/FINISH

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

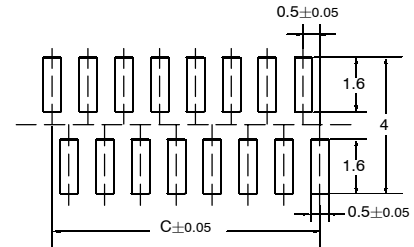
# Dimensions

Unit: mm

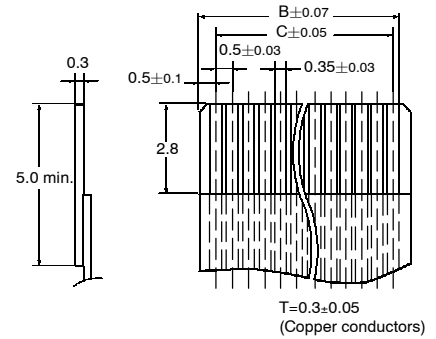
## ■ XF2G-□□14-11



### Printed Circuit Board Matching Dimensions (Top View)



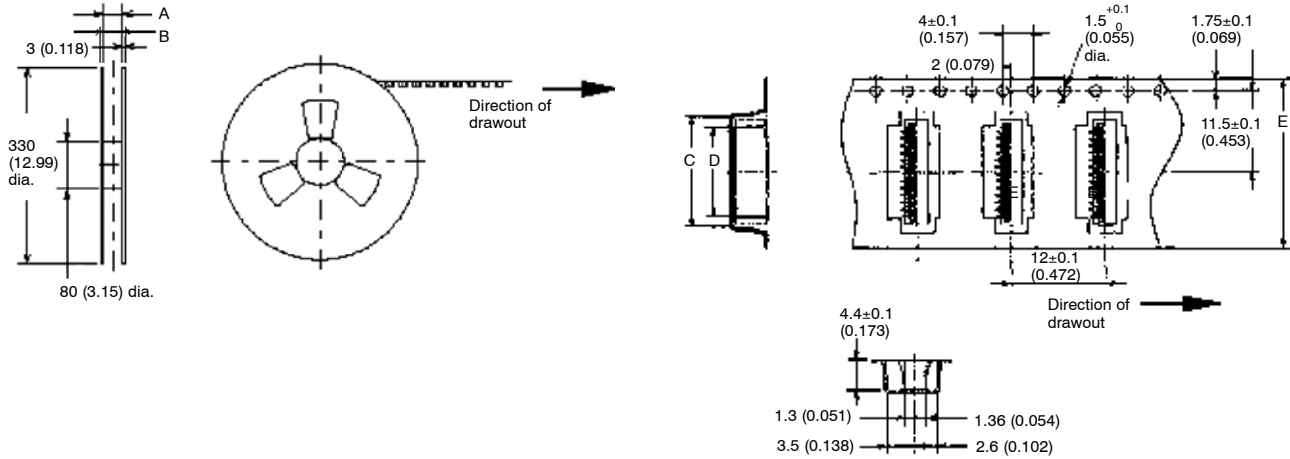
### Applicable FPC Dimensions



## ■ 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 <sup>+2</sup> <sub>0</sub> (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 <sup>+2</sup> <sub>0</sub> (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±10°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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