# Low-profile Rotary Backlock Type (0.5 mm-pitch)

#### Greater Freedom of Board Design with 0.9-mm Profile and Bottom Wall

- Backlock mechanism makes FPC mounting significantly easier.
- Double-sided (upper and lower) contact structure enables component reductions.
- Applicable FPC thickness, t = 0.2 mm. Gold-plated type.
- Use FPCs with the construction recommended by OMRON. (Refer to specifications for details.)
- RoHS Compliant.



Not Recommended for New Designs

# **Ordering Information**

Pins (Note 1)	Quantity per reel (Note 2)	Model
21	3,000	XF2N-2115-3
32		XF2N-3215-3

Note: 1. Consult your OMRON representative for enquiries related to pin-number specifications.

2. Order an integer multiple of the quantity per reel.

# **Specifications**

Rated current	0.3A AC/DC
Rated voltage	50V AC/DC
Contact resistance	$40$ m $\Omega$ max. (at 20 mV 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)

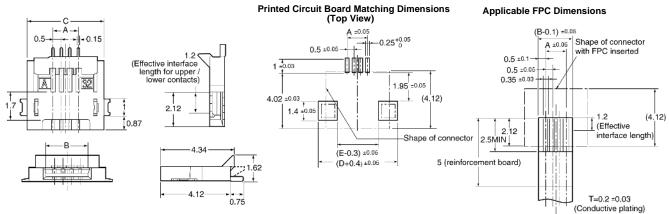
#### **■** Materials/Finish

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

# **Dimensions**

Unit: mm

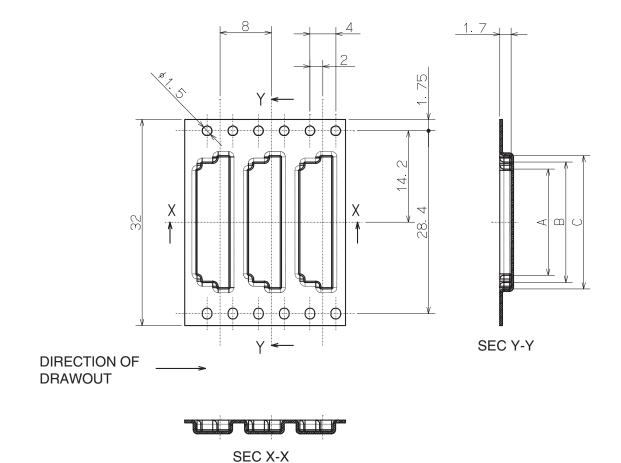
XF2N-□□15-3



#### **Table of Dimensions**

Pins	Model	Α	В	С	D	E
21	XF2N-2115-3	10.0	11.1	13.0	13.8	11.8
32	XF2N-3215-3	15.5	16.6	18.5	19.3	17.3

## **■** Tape and Reel Dimensions



Emboss taping specification (Based on taping of electronic parts [JIS C 0806])

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- paid by Buyer;

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#### ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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