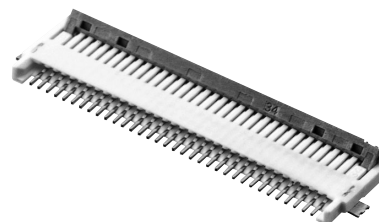


Low-profile Rotary Backlock Type (0.5 mm-pitch)

XF2R

Easier FPC Insertion and Improved Work Efficiency with 0.9-mm Profile and FPC Guide Section

- Easier FPC insertion with 1.1-mm FPC guide section.
- The effective interface length for terminals has been increased to 1.4 mm to ensure stability in applications with a lot of movement.
- Double-sided (upper and lower) contact structure enables component reductions.
- Applicable FPC thickness, $t = 0.12$ mm. Gold-plated type.
- Use FPCs with the construction recommended by OMRON. (Refer to specifications for details.)
- RoHS Compliant.



Ordering Information

Pins (Note 1)	Quantity per reel (Note 2)	Model
6	3,000	XF2R-0615-4A
9		XF2R-0915-4A
18		XF2R-1815-4A
24		XF2R-2415-4A
34		XF2R-3415-4A
40		XF2R-4015-4A

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 mΩ max. (at 20 mV max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250V 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)/brown
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

XF2R-□□15-4A

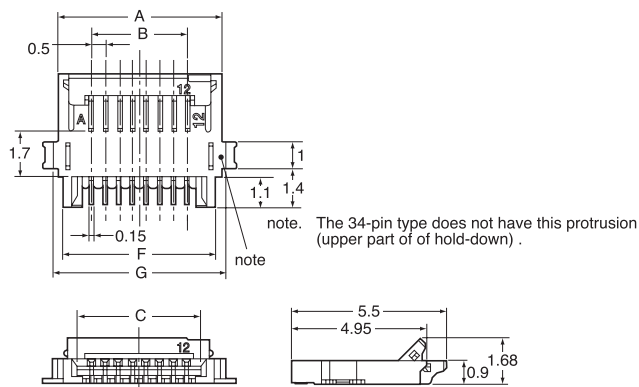
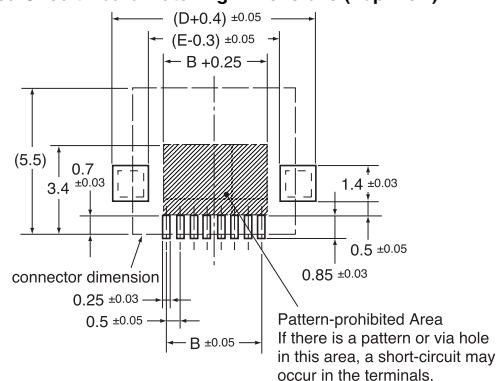


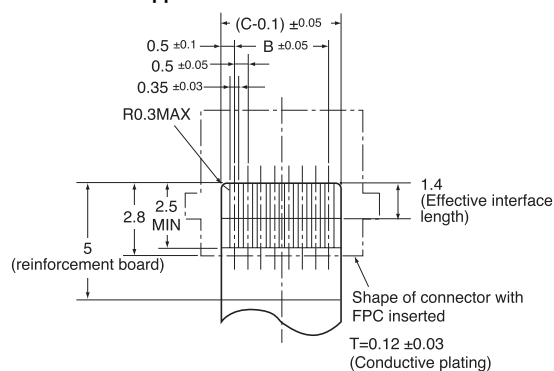
Table of Dimensions

Pins	Model	A	B	C	D	E	F	G
6	XF2R-0615-4A	5.0	2.5	3.6	6.1	4.1	4.55	5.35
9	XF2R-0915-4A	6.5	4.0	5.1	7.6	5.6	6.05	6.85
18	XF2R-1815-4A	11.0	8.5	9.6	12.1	10.1	10.55	11.35
24	XF2R-2415-4A	14.0	11.5	12.6	15.1	13.1	13.55	14.35
34	XF2R-3415-4A	19.0	16.5	17.6	20.1	18.1	18.55	—
40	XF2R-4015-4A	22.0	19.5	20.6	23.1	21.1	21.55	22.35

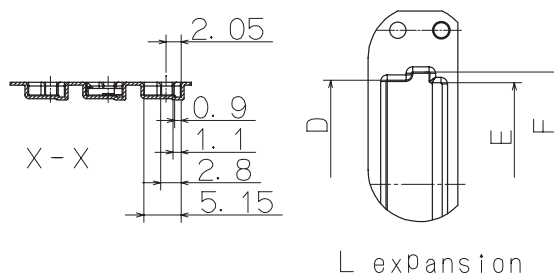
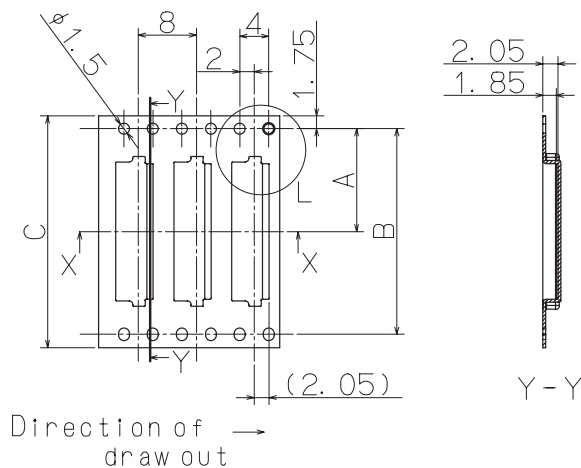
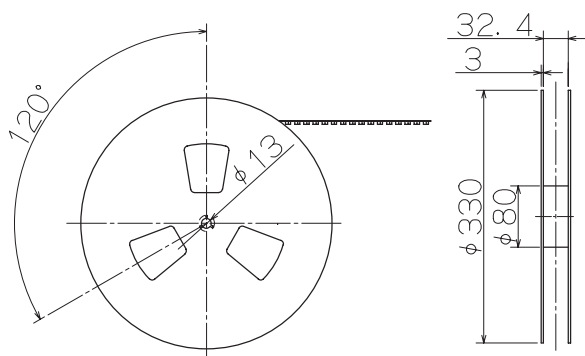
Printed Circuit Board Matching Dimensions (Top View)



Applicable FPC Dimensions



■ Tape and Reel Dimensions



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

Omron Electronic Components, LLC

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01/07

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