

XF3A

FOR FPC

Rotary Backlock Connector (0.3-mm Pitch, Upper Contact)

On-board height 0.6 mm, the lowest class profile in the industry.

Rotary Backlock Connectors with a 0.3-mm pitch.

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design.
- Upper contact.
- Halogen Free (See note.)

Note: OMRON uses the following standard to determine halogen-free construction:
900 ppm max. for Br, 900 ppm max. for Cl, and 1,500 ppm max. for Br+Cl.

RoHS Compliant

■ Ratings and Specifications

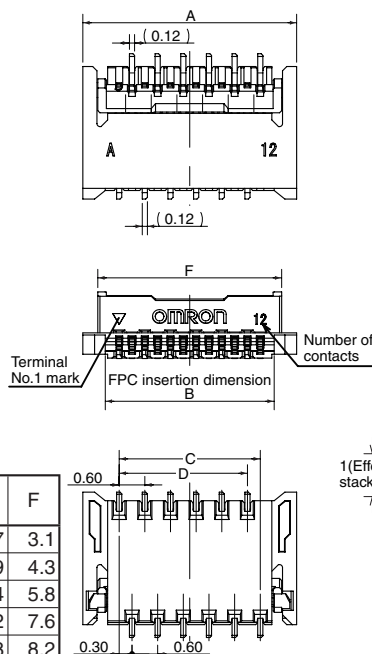
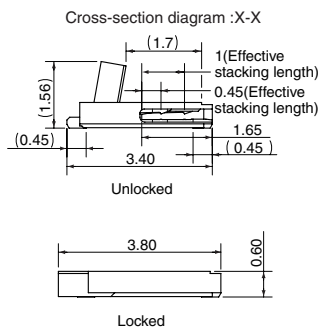
Rated current	0.2A AC/DC
Rated voltage	50V AC/DC
Contact resistance	80mΩ max. (at 20 mV DC max., 100 mA max.)
Insulation resistance	100MΩ min. (at 250V DC)
Withstand voltage	250V AC for 1 min. (leakage current: 1 mA max.)
Insertion tolerance	10 times
Ambient operating temperature	-30 to 85°C (with no icing or condensation)

■ Dimensions

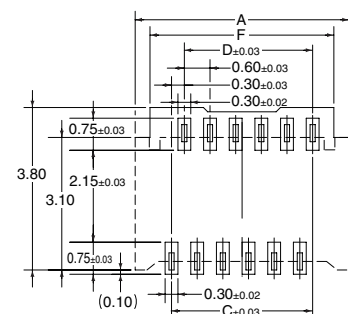
XF3A-□□55-41A

■ Materials and Finish

Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contacts	Spring copper alloy/nickel substrate (2μm) Gold-plated contacts (0.15μm)



PCB Mating Dimensions (TOP VIEW)



Applicable FPC Dimensions

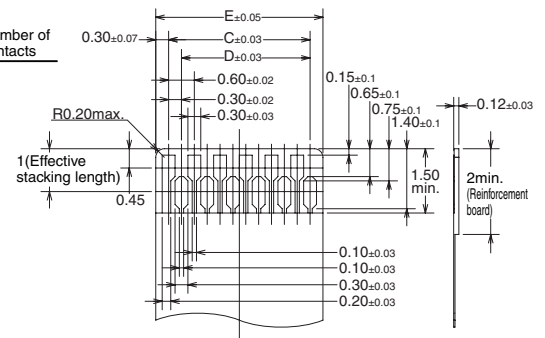


Table of Dimensions

Pins (See *1.)	Model	A	B	C (See *3.)	D	E	F
8	XF3A-0855-41A	3.8	2.75	2.1	1.8	2.7	3.1
12	XF3A-1255-41A	5.0	3.95	3.3	3.0	3.9	4.3
17	XF3A-1755-41A	6.5	5.45	4.8	4.2	5.4	5.8
23	XF3A-2355-41A	8.3	7.25	6.6	6.0	7.2	7.6
25	XF3A-2555-41A	8.9	7.85	7.2	6.6	7.8	8.2
51	XF3A-5155-41A	16.7	15.65	15.0	14.4	15.6	16.0

■ Ordering Information (Please consult your trading company for the delivery date.)

Pins (See *1.)	Model	Quantity per reel (unit) (See *2.)
8	XF3A-0855-41A	4,000
12	XF3A-1255-41A	
17	XF3A-1755-41A	
23	XF3A-2355-41A	
25	XF3A-2555-41A	
51	XF3A-5155-41A	

*1. Please consult your OMRON representative for available pin count.

*2. Please order by integer multiple of the quantity per reel.

*3. Dimension C indicates total pitch.