

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

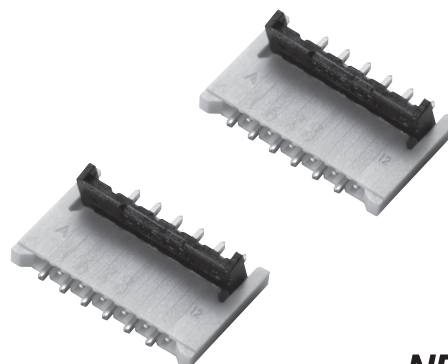
## XF3A

**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



**NEW**

## Ordering Information

| Pins | Model         | Quantity per reel (unit) (See Note) |
|------|---------------|-------------------------------------|
| 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 |                                     |

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

## Ratings and Specifications

### ■ Characteristics

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

### ■ Materials and Finish

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

# Dimensions

Unit: mm

XF3A-□□55-41A

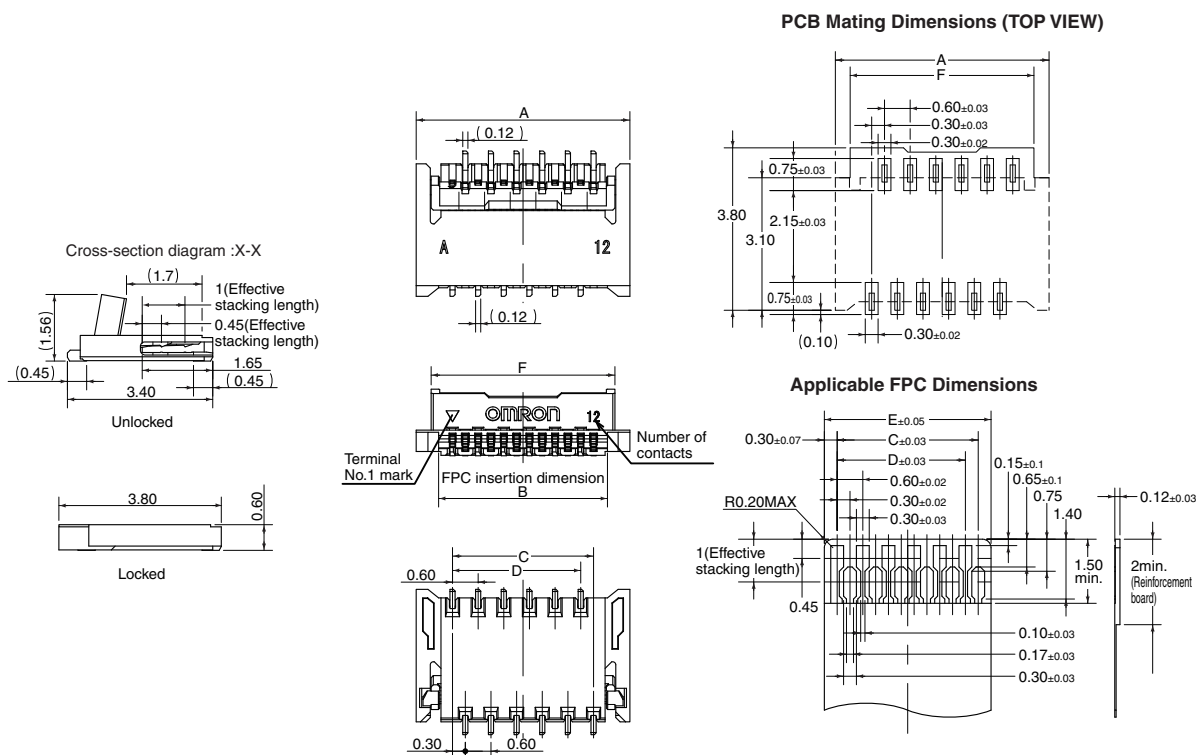


Table of Dimensions

| Pins | Model         | A    | B     | C (See note) | 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 |

**Note:** Dimension C indicates total pitch.

The image displays a 1000x1000 grid of small squares. Each square contains a unique combination of symbols from the set: a vertical line, a horizontal line, a top-left corner, a top-right corner, a bottom-left corner, a bottom-right corner, and a cross. The symbols are arranged in a way that each square is a unique combination of these symbols, creating a complex, non-repeating pattern across the entire grid.

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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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Specifications subject to change without notice

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