

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

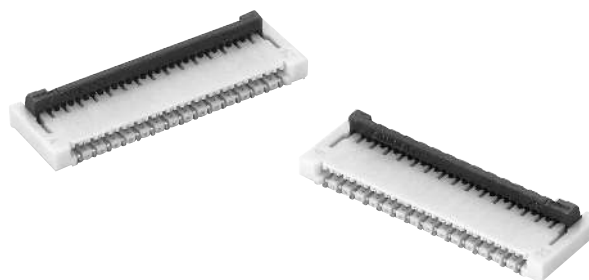
## XF2C

### Rotary Backlock Mechanism with 0.3 mm Pitch and Low Profile of 0.9 mm

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design
- Upper Contact
- Gold plated with an applicable FPC thickness of 0.12 mm
- 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



## Ordering Information

| Pins | Model         | Quantity per reel (unit) (See Note) |
|------|---------------|-------------------------------------|
| 17   | XF2C-1755-41A | 2,000                               |
| 21   | XF2C-2155-41A |                                     |
| 25   | XF2C-2555-41A |                                     |
| 29   | XF2C-2955-41A |                                     |
| 35   | XF2C-3555-41A |                                     |
| 39   | XF2C-3955-41A |                                     |
| 45   | XF2C-4555-41A |                                     |
| 51   | XF2C-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)     |

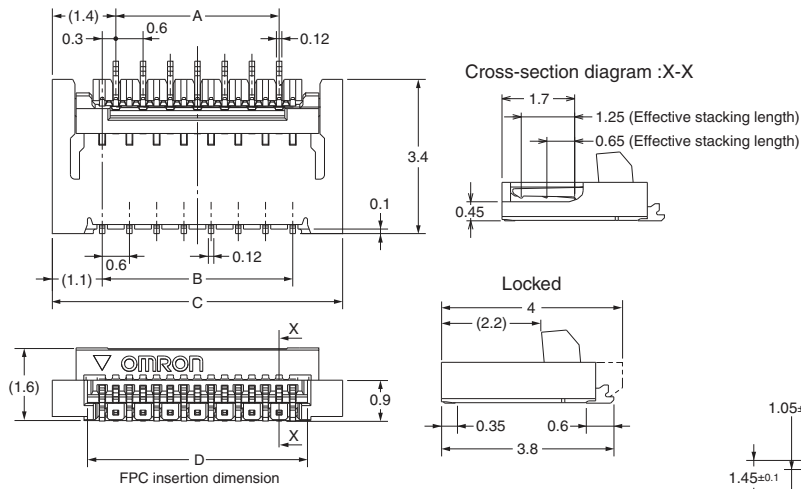
### ■ Materials and Finish

|          |   |
|----------|---|
| 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) |

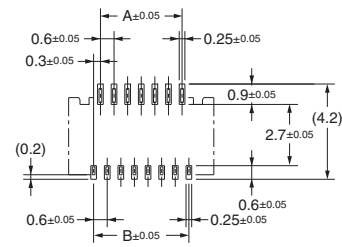
# Dimensions

Unit: mm

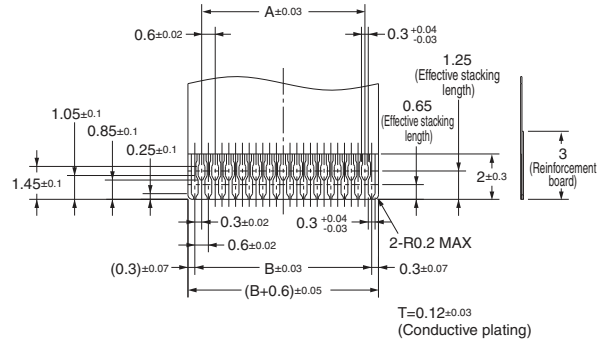
XF2C-□□55-41A



## PCB Mating Dimensions (TOP VIEW)

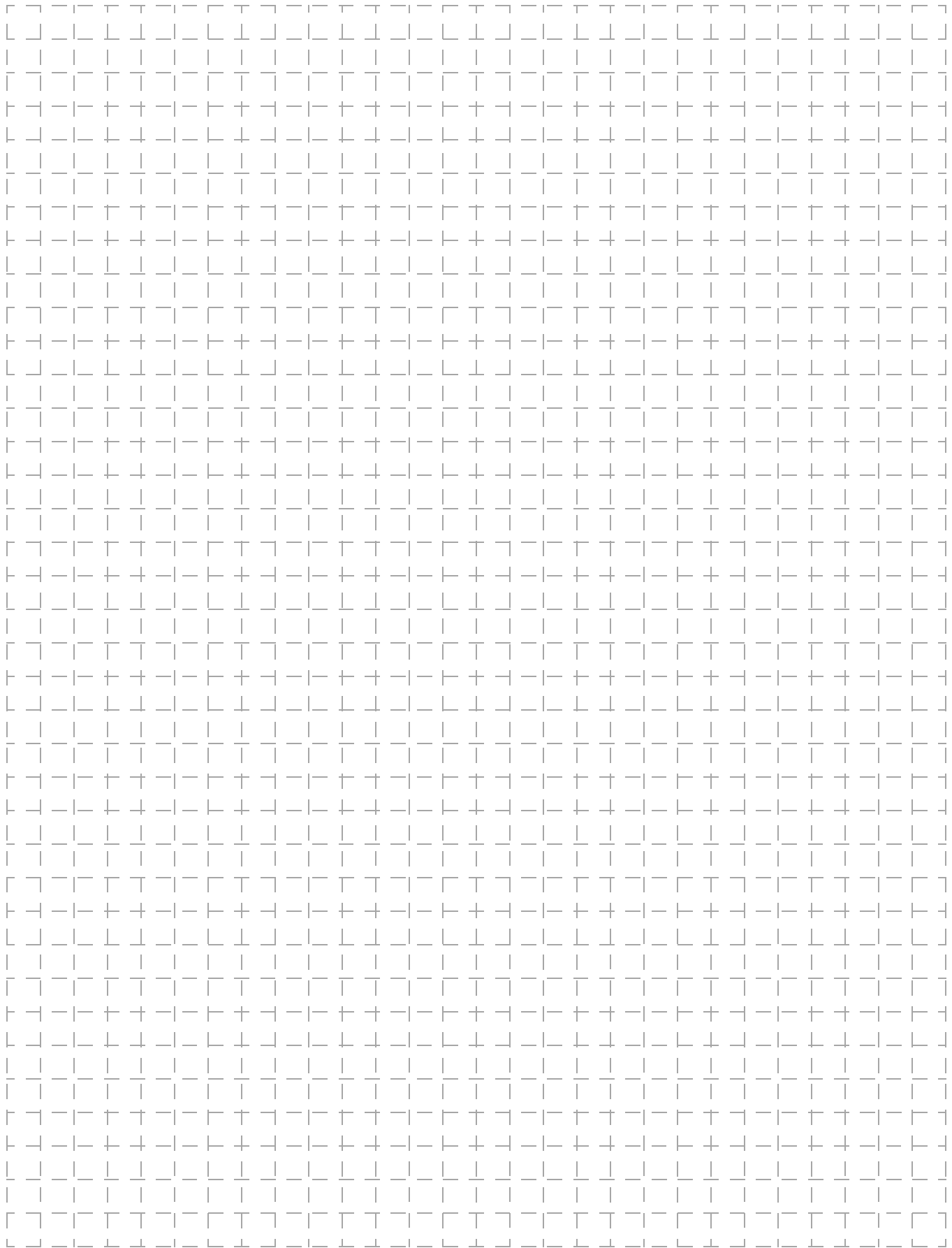


## Applicable FPC Dimensions



## Table of Dimensions

| Pins | Model         | A    | B    | C    | D    |
|------|---------------|------|------|------|------|
| 17   | XF2C-1755-41A | 4.2  | 4.8  | 7.0  | 5.5  |
| 21   | XF2C-2155-41A | 5.4  | 6.0  | 8.2  | 6.7  |
| 25   | XF2C-2555-41A | 6.6  | 7.2  | 9.4  | 7.9  |
| 29   | XF2C-2955-41A | 7.8  | 8.4  | 10.6 | 9.1  |
| 35   | XF2C-3555-41A | 9.6  | 10.2 | 12.4 | 10.9 |
| 39   | XF2C-3955-41A | 10.8 | 11.4 | 13.6 | 12.1 |
| 45   | XF2C-4555-41A | 12.6 | 13.2 | 15.4 | 13.9 |
| 51   | XF2C-5155-41A | 14.4 | 15.0 | 17.2 | 15.7 |



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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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