

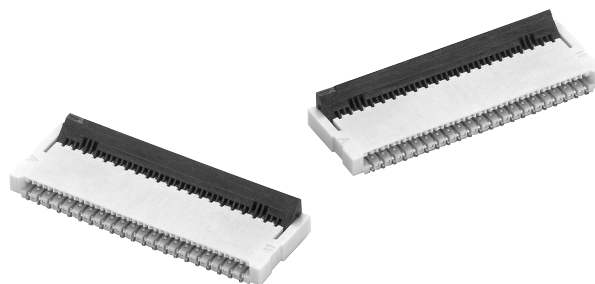
# Rotary Backlock Connector (0.3 mm-pitch, Dual Contact) XF2B

## Rotary Backlock Mechanism with 0.3 mm-pitch Design

- Wide molding wall on the rear bottom of the connector allows greater freedom in board design
- Dual contact reduces the number of parts
- Gold plated with an applicable FPC thickness of 0.2 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 (Note 1)  | Model         | Quantity per reel (Note 2) |
|----------------|---------------|----------------------------|
| 17             | XF2B-1745-31A | 1,500                      |
| 21             | XF2B-2145-31A |                            |
| 23             | XF2B-2345-31A |                            |
| 25             | XF2B-2545-31A |                            |
| 27             | XF2B-2745-31A |                            |
| 31             | XF2B-3145-31A |                            |
| 33             | XF2B-3345-31A |                            |
| 35             | XF2B-3545-31A |                            |
| 39             | XF2B-3945-31A |                            |
| 41             | XF2B-4145-31A |                            |
| 45             | XF2B-4545-31A |                            |
| 51             | XF2B-5145-31A |                            |
| 61 (See note2) | XF2B-6155-31A |                            |

**Note:** 1. Please order by integer multiple of the quantity per reel.

2. Upper contact

## Ratings and Specifications

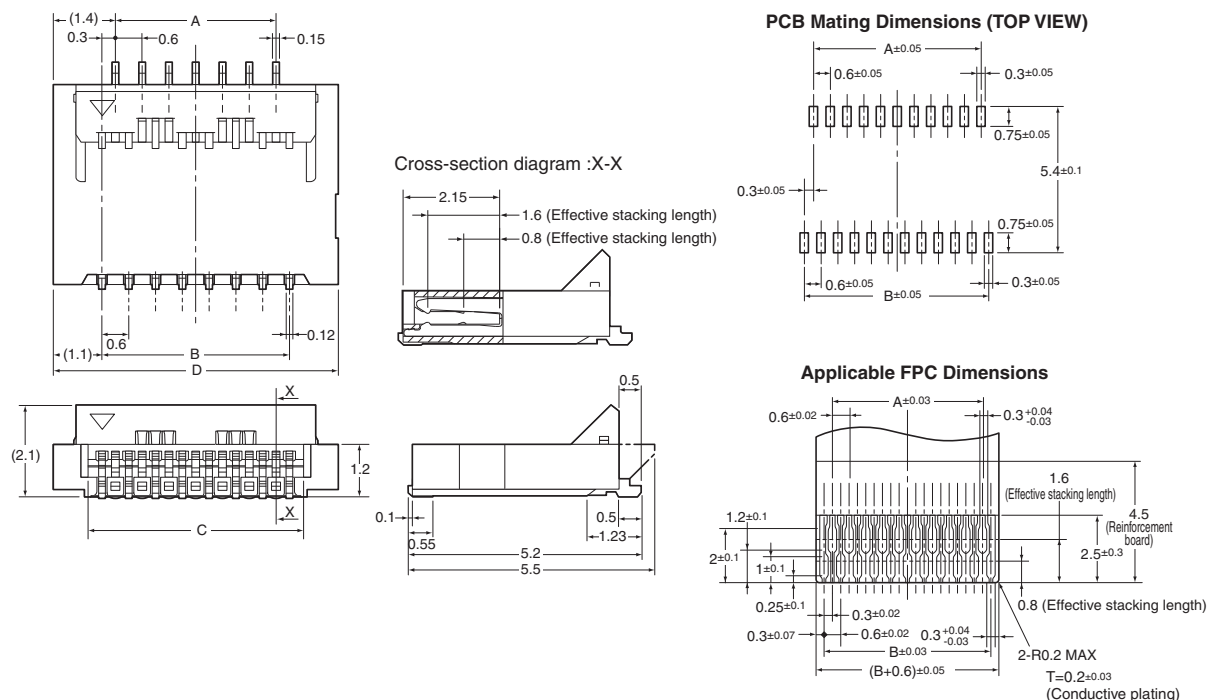
### ■ Characteristics

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Rated current                 | 0.2 A AC/DC                                     |
| Rated voltage                 | 50 V AC/DC                                      |
| Contact resistance            | 50 mΩ max. (at 20 mV 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           | 20 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), Gold-plated contacts (0.15 μm) |

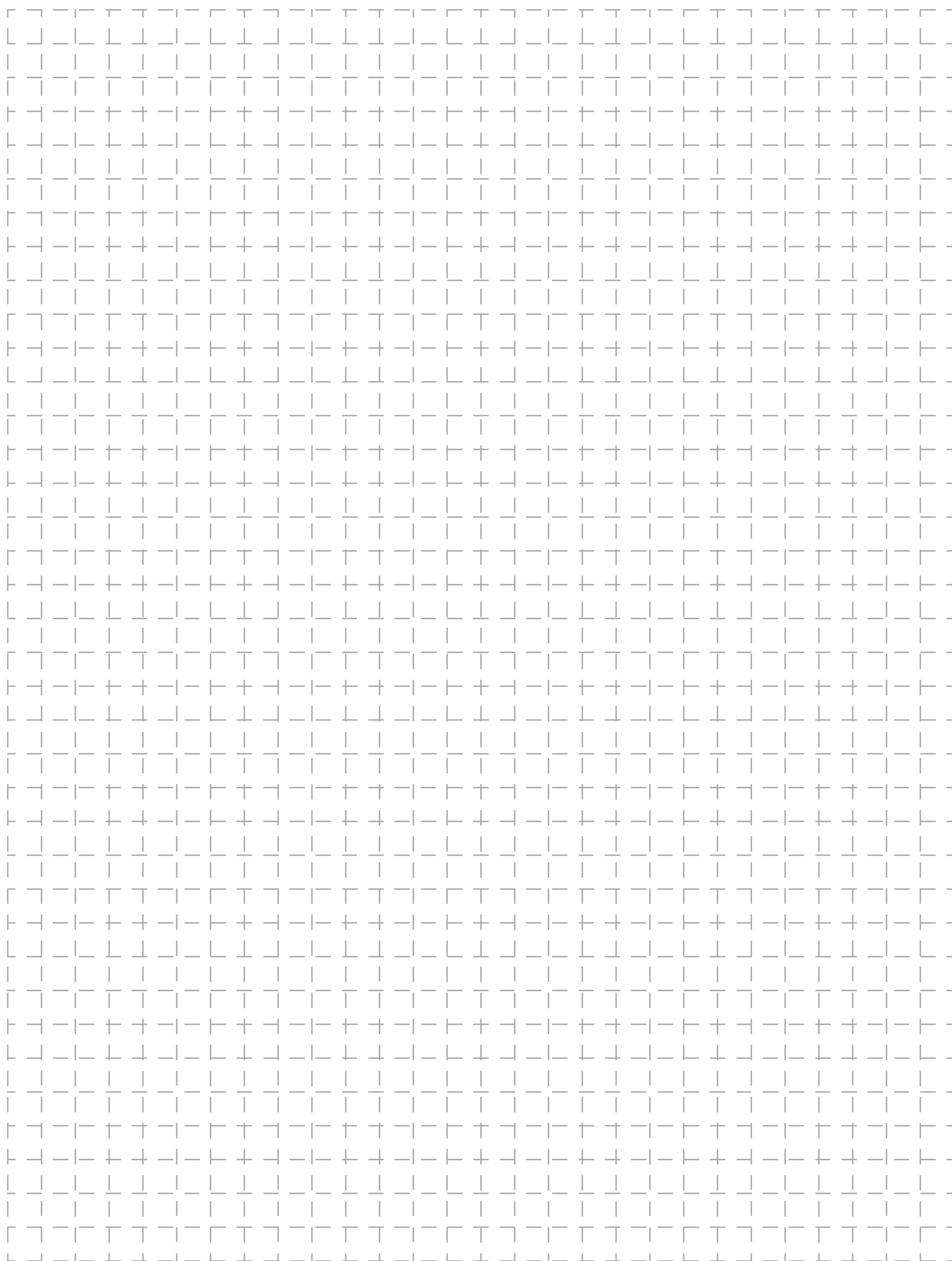
XF2B-□□□5-31A



### Table of Dimensions

| Pins          | Model         | A    | B    | C    | D    |
|---------------|---------------|------|------|------|------|
| 17            | XF2B-1745-31A | 4.2  | 4.8  | 5.5  | 7.0  |
| 21            | XF2B-2145-31A | 5.4  | 6.0  | 6.7  | 8.2  |
| 23            | XF2B-2345-31A | 6.0  | 6.6  | 7.3  | 8.8  |
| 25            | XF2B-2545-31A | 6.6  | 7.2  | 7.9  | 9.4  |
| 27            | XF2B-2745-31A | 7.2  | 7.8  | 8.5  | 10.0 |
| 31            | XF2B-3145-31A | 8.4  | 9.0  | 9.7  | 11.2 |
| 33            | XF2B-3345-31A | 9.0  | 9.6  | 10.3 | 11.8 |
| 35            | XF2B-3545-31A | 9.6  | 10.2 | 10.9 | 12.4 |
| 39            | XF2B-3945-31A | 10.8 | 11.4 | 12.1 | 13.6 |
| 41            | XF2B-4145-31A | 11.4 | 12.0 | 12.7 | 14.2 |
| 45            | XF2B-4545-31A | 12.6 | 13.2 | 13.9 | 15.4 |
| 51            | XF2B-5145-31A | 14.4 | 15.0 | 15.7 | 17.2 |
| 61 (See note) | XF2B-6155-31A | 17.4 | 18.0 | 18.7 | 20.2 |

**Note:** Upper contact



All sales are subject to Omron Electronic Components LLC standard terms and conditions of sale, which can be found at [http://www.components.omron.com/components/web/webfiles.nsf/sales\\_terms.html](http://www.components.omron.com/components/web/webfiles.nsf/sales_terms.html)

**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**

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

---

**OMRON**<sup>®</sup>

**OMRON ELECTRONIC  
COMPONENTS LLC**

55 E. Commerce Drive, Suite B  
Schaumburg, IL 60173

**847-882-2288**

**OMRON ON-LINE**

Global - <http://www.omron.com>

USA - <http://www.components.omron.com>