

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

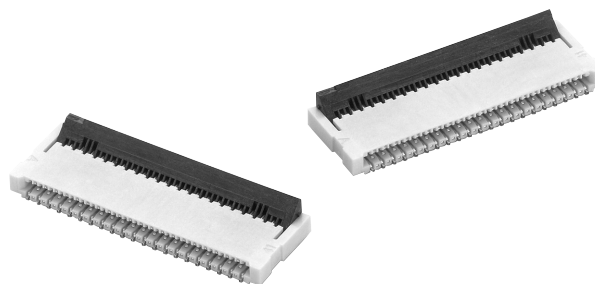
XF2B

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) |

Dimensions

Unit: mm

XF2B-□□□5-31A

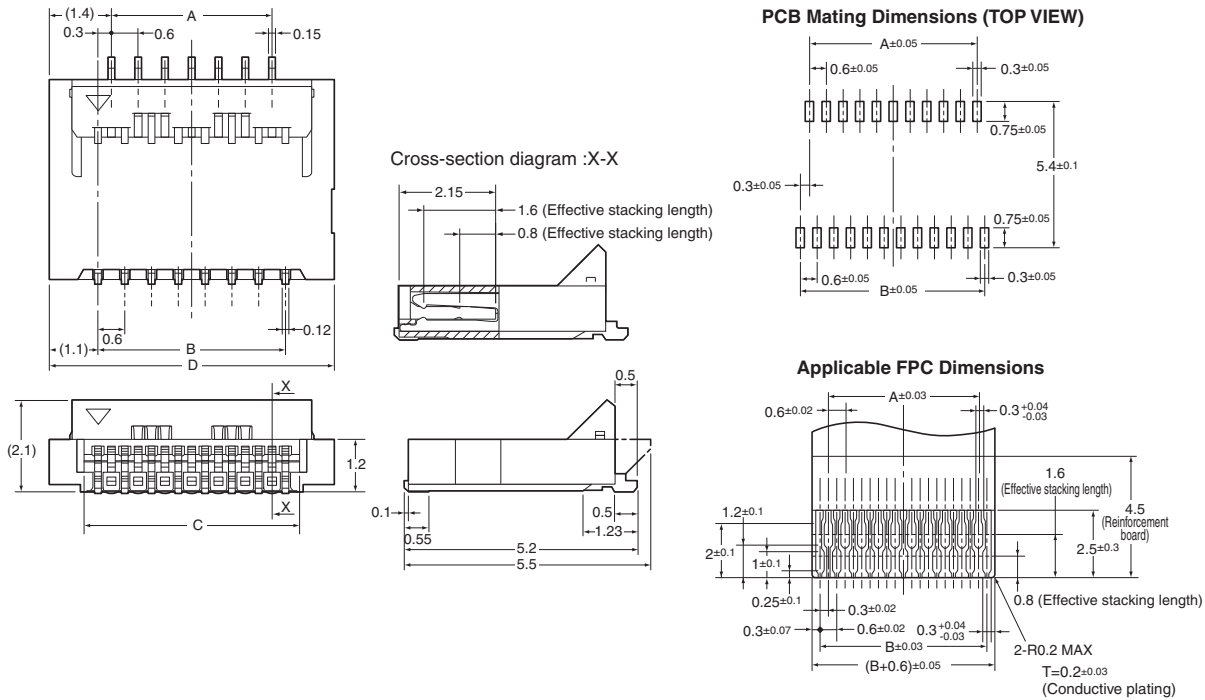


Table of Dimensions

| 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



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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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