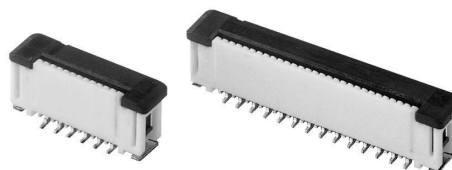


## ZIF Slide-locking Connector (0.5 mm-pitch)

## XF2J

## Top-entry ZIF Connector

- Low on-board profile of only 4.15 mm.
- Adhesion face on top of the connector suits automatic mounting.
- Models with reverse terminal arrangement also available.
- Applicable FPC thickness of 0.3 mm.
- RoHS Compliant.



## Ordering Information

| Pins | Model                         |                              | Quantity per reel (See Note) |
|------|-------------------------------|------------------------------|------------------------------|
|      | Standard terminal arrangement | Reverse terminal arrangement |                              |
| 6    | XF2J-0624-11A                 | XF2J-0624-12A                | 1,000                        |
| 8    | XF2J-0824-11A                 | XF2J-0824-12A                |                              |
| 10   | XF2J-1024-11A                 | XF2J-1024-12A                |                              |
| 12   | XF2J-1224-11A                 | XF2J-1224-12A                |                              |
| 14   | XF2J-1424-11A                 | - - -                        |                              |
| 16   | XF2J-1624-11A                 | XF2J-1624-12A                |                              |
| 18   | XF2J-1824-11A                 | XF2J-1824-12A                |                              |
| 20   | XF2J-2024-11A                 | XF2J-2024-12A                |                              |
| 22   | XF2J-2224-11A                 | XF2J-2224-12A                |                              |
| 24   | XF2J-2424-11A                 | XF2J-2424-12A                |                              |
| 26   | XF2J-2624-11A                 | - - -                        |                              |
| 28   | XF2J-2824-11A                 | - - -                        |                              |
| 30   | XF2J-3024-11A                 | - - -                        |                              |
| 40   | - - -                         | XF2J-4024-12A                |                              |

**Note:** Order an integer multiple of the quantity per reel.

## Ratings and Specifications

## ■ Characteristics

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Rated current                 | 0.5A AC/DC                                      |
| Rated voltage                 | 50V AC/DC                                       |
| Contact resistance            | 30 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           | 30 times                                        |
| Ambient operating temperature | -30 to 85°C (with no icing or condensation)     |

## ■ Materials and Finish

|           |                                                                             |
|-----------|-----------------------------------------------------------------------------|
| Housing   | PA46 resin (UL94V-0)/natural                                                |
| Slider    | PPS resin (UL94V-0)/black<br>LCP resin (UL94V-0)/black                      |
| Contacts  | Spring copper alloy/nickel substrate (2 μm), Gold-plated contacts (0.15 μm) |
| Hold-down | Spring copper alloy/fused-tin plating (2 μm)                                |

# Dimensions

Unit: mm

XF2J-□□24-1□A

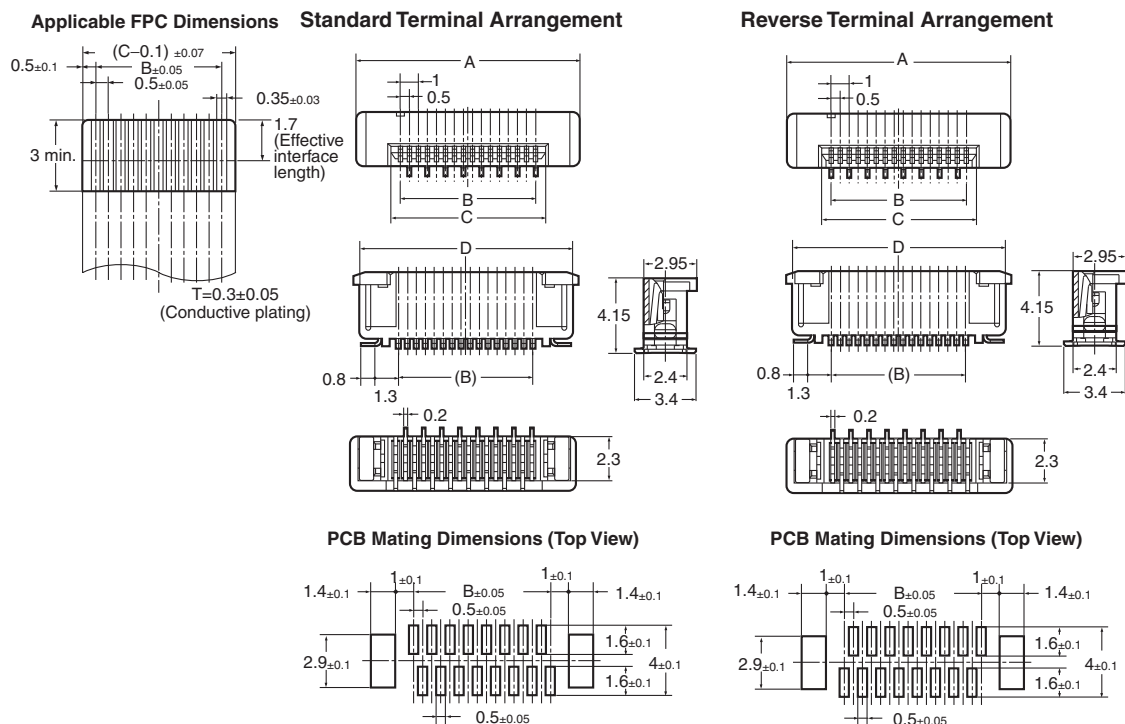


Table of Dimensions

| Pins | Model                         |                              | A    | B    | C    | D    |
|------|-------------------------------|------------------------------|------|------|------|------|
|      | Standard terminal arrangement | Reverse terminal arrangement |      |      |      |      |
| 6    | XF2J-0624-11A                 | XF2J-0624-12A                | 7.5  | 2.5  | 3.6  | 6.9  |
| 8    | XF2J-0824-11A                 | XF2J-0824-12A                | 8.5  | 3.5  | 4.6  | 7.9  |
| 10   | XF2J-1024-11A                 | XF2J-1024-12A                | 9.5  | 4.5  | 5.6  | 8.9  |
| 12   | XF2J-1224-11A                 | XF2J-1224-12A                | 10.5 | 5.5  | 6.6  | 9.9  |
| 14   | XF2J-1424-11A                 | - - -                        | 11.5 | 6.5  | 7.6  | 10.9 |
| 16   | XF2J-1624-11A                 | XF2J-1624-12A                | 12.5 | 7.5  | 8.6  | 11.9 |
| 18   | XF2J-1824-11A                 | XF2J-1824-12A                | 13.5 | 8.5  | 9.6  | 12.9 |
| 20   | XF2J-2024-11A                 | XF2J-2024-12A                | 14.5 | 9.5  | 10.6 | 13.9 |
| 22   | XF2J-2224-11A                 | XF2J-2224-12A                | 15.5 | 10.5 | 11.6 | 14.9 |
| 24   | XF2J-2424-11A                 | XF2J-2424-12A                | 16.5 | 11.5 | 12.6 | 15.9 |
| 26   | XF2J-2624-11A                 | - - -                        | 17.5 | 12.5 | 13.6 | 16.9 |
| 28   | XF2J-2824-11A                 | - - -                        | 18.5 | 13.5 | 14.6 | 17.9 |
| 30   | XF2J-3024-11A                 | - - -                        | 19.5 | 14.5 | 15.6 | 18.9 |
| 40   | - - -                         | XF2J-4024-12A                | 25.1 | 19.5 | 20.6 | 24.3 |

# Omron Electronic Components, LLC

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### I. GENERAL

- Definitions:** The words used herein are defined as follows.
  - Terms:** These terms and conditions
  - Seller:** Omron Electronic Components LLC and its subsidiaries
  - Buyer:** The buyer of Products, including any end user in section III through VI
  - Products:** Products and/or services of Seller
  - Including:** Including without limitation
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  - Delivery and shipping dates are estimates only; and
  - Seller will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
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To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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