



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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XF2W

For FPC/FFC

Rotary Backlock Connector (0.5-mm Pitch, Dual-sided Contact)

Rotary Backlock Mechanism with 0.5-mm Pitch and Low Profile of 1.1 mm

- Two models available: Low profile connector with a depth of 3.5 mm and easy-operation connector with long slider.
- Dual-sided contact reduces the number of parts.
- Wide molding wall on the rear bottom of the connector allows greater freedom in board design.
- Gold plated with an applicable FPC/FFC thickness of 0.3 mm.
- Halogen Free (*)

* 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

■ Ratings and Specifications

| | |
|-------------------------------|--|
| Rated current | 0.5 A AC/DC |
| Rated voltage | 50 V AC/DC |
| Contact resistance | 60 mΩ max. (at 20 mV DC max., 100 mA max.) |
| Insulation resistance | 100 MΩ min. (at 250 V DC) |
| Dielectric strength | 250 V AC for 1 min. (leakage current: 1 mA max.) |
| Insertion durability | 20 times |
| Ambient operating temperature | -30 to 85 °C (With no icing or condensation) |

■ Materials and Finish

| | |
|-----------|---|
| Housing | LCP resin (UL94 V-0)/natural |
| Slider | LCP resin (UL94 V-0)/brown |
| Contacts | Spring copper alloy/nickel substrate (2 μm) Gold-plated contacts (0.15 μm) |
| Hold-down | Copper alloy/tin-plated (2 μm) |

■ Dimensions

(Unit: mm)

XF2W-□□15-1A

XF2W-□□15-1AE

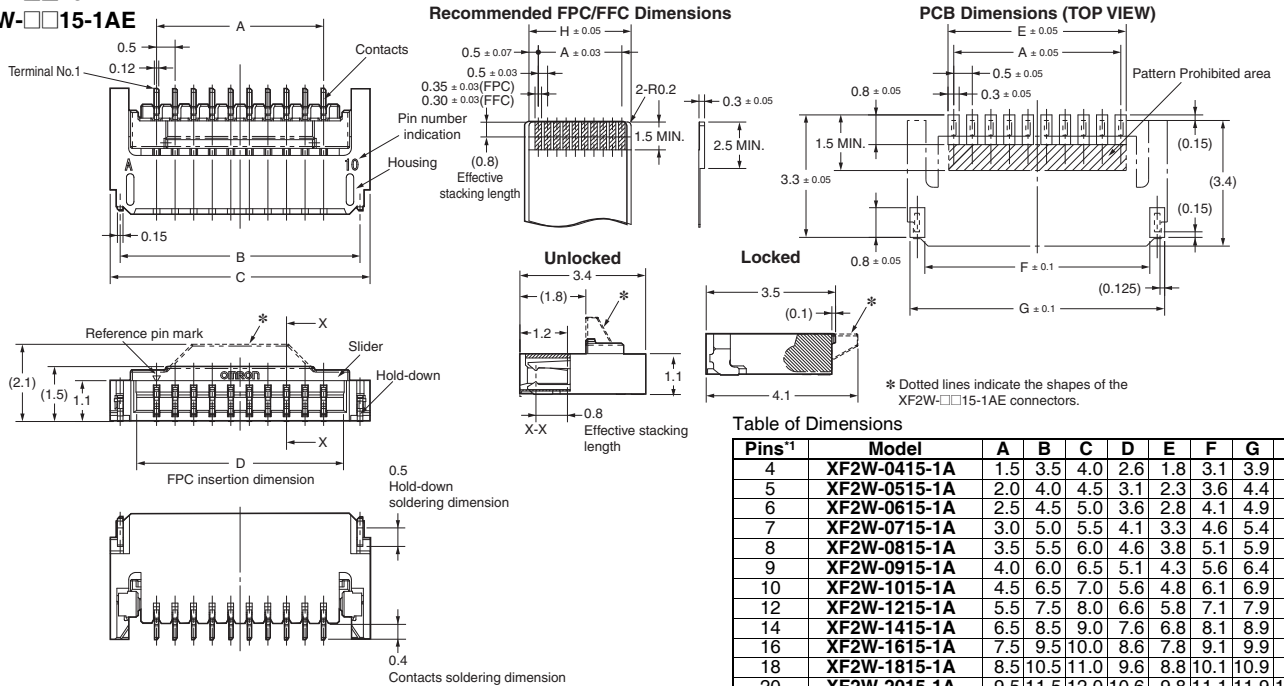


Table of Dimensions

| Pins ¹ | Model | A | B | C | D | E | F | G | H |
|-------------------|---------------|------|------|------|------|------|------|------|------|
| 4 | XF2W-0415-1A | 1.5 | 3.5 | 4.0 | 2.6 | 1.8 | 3.1 | 3.9 | 2.5 |
| 5 | XF2W-0515-1A | 2.0 | 4.0 | 4.5 | 3.1 | 2.3 | 3.6 | 4.4 | 3.0 |
| 6 | XF2W-0615-1A | 2.5 | 4.5 | 5.0 | 3.6 | 2.8 | 4.1 | 4.9 | 3.5 |
| 7 | XF2W-0715-1A | 3.0 | 5.0 | 5.5 | 4.1 | 3.3 | 4.6 | 5.4 | 4.0 |
| 8 | XF2W-0815-1A | 3.5 | 5.5 | 6.0 | 4.6 | 3.8 | 5.1 | 5.9 | 4.5 |
| 9 | XF2W-0915-1A | 4.0 | 6.0 | 6.5 | 5.1 | 4.3 | 5.6 | 6.4 | 5.0 |
| 10 | XF2W-1015-1A | 4.5 | 6.5 | 7.0 | 5.6 | 4.8 | 6.1 | 6.9 | 5.5 |
| 12 | XF2W-1215-1A | 5.5 | 7.5 | 8.0 | 6.6 | 5.8 | 7.1 | 7.9 | 6.5 |
| 14 | XF2W-1415-1A | 6.5 | 8.5 | 9.0 | 7.6 | 6.8 | 8.1 | 8.9 | 7.5 |
| 16 | XF2W-1615-1A | 7.5 | 9.5 | 10.0 | 8.6 | 7.8 | 9.1 | 9.9 | 8.5 |
| 18 | XF2W-1815-1A | 8.5 | 10.5 | 11.0 | 9.6 | 8.8 | 10.1 | 10.9 | 9.5 |
| 20 | XF2W-2015-1A | 9.5 | 11.5 | 12.0 | 10.6 | 9.8 | 11.1 | 11.9 | 10.5 |
| 24 | XF2W-2415-1A | 11.5 | 13.5 | 14.0 | 12.6 | 11.8 | 13.1 | 13.9 | 12.5 |
| 26 | XF2W-2615-1A | 12.5 | 14.5 | 15.0 | 13.6 | 12.8 | 14.1 | 14.9 | 13.5 |
| 40 | XF2W-4015-1A | 19.5 | 21.5 | 22.0 | 20.6 | 19.8 | 21.1 | 21.9 | 20.5 |
| 45 | XF2W-4515-1AE | 22.0 | 24.0 | 24.5 | 23.1 | 22.3 | 23.6 | 24.4 | 23.0 |
| 50 | XF2W-5015-1AE | 24.5 | 26.5 | 27.0 | 25.6 | 24.8 | 26.1 | 26.9 | 25.5 |
| 55 | XF2W-5515-1AE | 27.0 | 29.0 | 29.5 | 28.1 | 27.3 | 28.6 | 29.4 | 28.0 |
| 60 | XF2W-6015-1AE | 29.5 | 31.5 | 32.0 | 30.6 | 29.8 | 31.1 | 31.9 | 30.5 |
| 64 | XF2W-6415-1AE | 31.5 | 33.5 | 34.0 | 32.6 | 31.8 | 33.1 | 33.9 | 32.5 |

■ Ordering Information

2000pcs per reel

| Pins ¹ | Model | Pins ¹ | Model | Pins ¹ | Model | Pins ¹ | Model | Quantity per reel (unit) ² |
|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|---------------|---------------------------------------|
| 4 | XF2W-0415-1A | 9 | XF2W-0915-1A | 18 | XF2W-1815-1A | 45 | XF2W-4515-1AE | 2,000 |
| 5 | XF2W-0515-1A | 10 | XF2W-1015-1A | 20 | XF2W-2015-1A | 50 | XF2W-5015-1AE | |
| 6 | XF2W-0615-1A | 12 | XF2W-1215-1A | 24 | XF2W-2415-1A | 55 | XF2W-5515-1AE | |
| 7 | XF2W-0715-1A | 14 | XF2W-1415-1A | 26 | XF2W-2615-1A | 60 | XF2W-6015-1AE | |
| 8 | XF2W-0815-1A | 16 | XF2W-1615-1A | 40 | XF2W-4015-1A | 64 | XF2W-6415-1AE | |

100pcs per reel

| Pins ¹ | Model | Pins ¹ | Model | Pins ¹ | Model | Pins ¹ | Model | Quantity per reel (unit) ² |
|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|--------------------|---------------------------------------|
| 4 | XF2W-0415-1A-R100 | 9 | XF2W-0915-1A-R100 | 20 | XF2W-2015-1A-R100 | 50 | XF2W-5015-1AE-R100 | 100 |
| 5 | XF2W-0515-1A-R100 | 10 | XF2W-1015-1A-R100 | 24 | XF2W-2415-1A-R100 | 55 | XF2W-5515-1AE-R100 | |
| 6 | XF2W-0615-1A-R100 | 14 | XF2W-1415-1A-R100 | 26 | XF2W-2615-1A-R100 | 60 | XF2W-6015-1AE-R100 | |
| 7 | XF2W-0715-1A-R100 | 16 | XF2W-1615-1A-R100 | 40 | XF2W-4015-1A-R100 | 64 | XF2W-6415-1AE-R100 | |
| 8 | XF2W-0815-1A-R100 | 18 | XF2W-1815-1A-R100 | 45 | XF2W-4515-1AE-R100 | | | |

*1. Please consult your OMRON representative for available pin count.

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