



# OMRON ELECTRONICS

XF2E-1715-1

*See full Datasheet below...*

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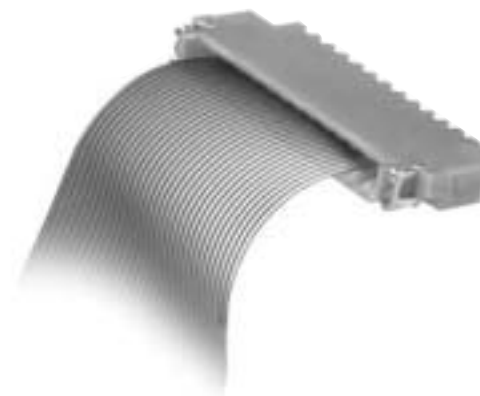
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**Optimum low-profile design (SMT Terminal).**

**Ultra-low-profile FPC/FFC connector only 1.5mm above the PCB.**

- Side-entry
- Ultra-low-profile only 1.5 mm on the PCB allows mounting in spaces with restricted height.
- 0.8 mm-pitch SMT connectors allow high-density mounting.
- Modified-PA-resin housing is compatible with VPS, IR reflow, etc
- Double-sided contacts maintain a stable contact force.
- Standard tape packing compatible with automatic mounting.



## Specifications

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| <b>Rated Current</b>         | 0.5A                                                |
| <b>Rated Voltage</b>         | 50 VDC                                              |
| <b>Contact resistance</b>    | 30 mΩ max. (max. 20 mV, max. 100 mA)                |
| <b>Insulation resistance</b> | 100 MΩ min. (at 100 VDC)                            |
| <b>Withstand voltage</b>     | 500 VAC 1 min. (leakage current: 1 mA max.)         |
| <b>Total insertion force</b> | Poles x 2.0 N (200 gf) max.                         |
| <b>Total removal force</b>   | Poles x 0.3 N (200 gf) max.                         |
| <b>Insertion tolerance</b>   | 10 times                                            |
| <b>Ambient temperature</b>   | -30 to +85°C (No condensation at low temperatures.) |

## Materials/Finish

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| <b>Housing</b>   | Modified PA resin containing glass (UL94V-0)/opal                      |
| <b>Contact</b>   | Copper-alloy/nickel spring substrate (2μm) plated with tin alloy (2μm) |
| <b>Hold Down</b> | Copper-alloy/copper substrate (2μm) plated with tin alloy (2μm)        |

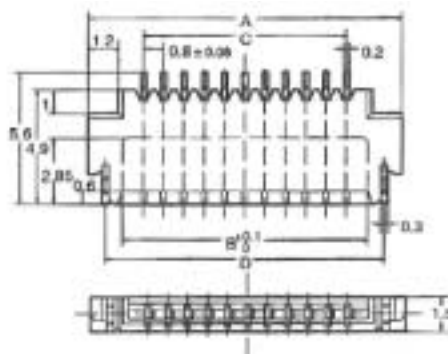
## Ordering Information

| Poles | Model       | Poles | Model      | Quantity per reel* |
|-------|-------------|-------|------------|--------------------|
| 5     | XF2E-0515-1 | 10    | XFE-1015-1 | 4,000              |
| 6     | XF2E-0615-1 | 12    | XFE-1215-1 |                    |
| 7     | XF2E-0715-1 | 15    | XFE-1515-1 |                    |
| 8     | XF2H-0815-1 | 17    | XFE-1715-1 |                    |

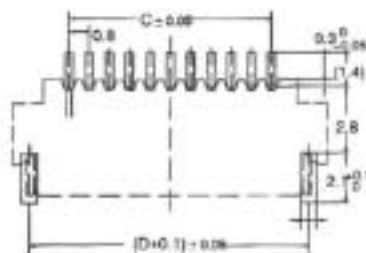
\*Order an integer multiple of the quantity per reel.

## ■ Dimensions

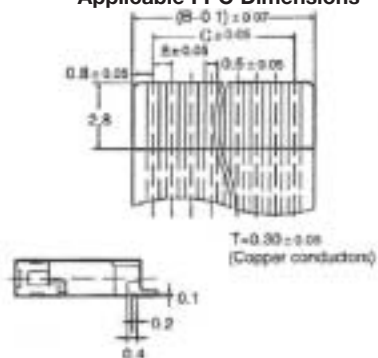
XF2E-□□15-1 (SMT Terminal)



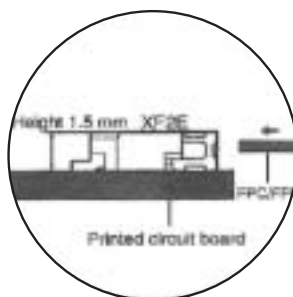
Printed Circuit Board Matching  
Dimension (Top View)



Applicable FPC Dimensions



## ■ Mounted Image



## ■ Table of Dimensions

| Poles | Model       | A    | B    | C    | D    |
|-------|-------------|------|------|------|------|
| 5     | XF2E-0515-1 | 7.6  | 4.9  | 3.2  | 6.2  |
| 6     | XF2E-0615-1 | 8.4  | 5.7  | 4    | 7    |
| 7     | XF2E-0715-1 | 9.2  | 6.5  | 4.8  | 7.8  |
| 8     | XF2E-0815-1 | 10   | 7.3  | 5.6  | 8.6  |
| 10    | XF2E-1015-1 | 11.6 | 8.9  | 7.2  | 10.2 |
| 12    | XF2E-1215-1 | 13.2 | 10.5 | 8.8  | 11.8 |
| 15    | XF2E-1515-1 | 15.6 | 12.9 | 11.2 | 14.2 |
| 17    | XF2E-1715-1 | 17.2 | 14.5 | 12.8 | 15.8 |

**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**

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