



FPC

TE Internal #: 1-84952-5

1 mm [.039 in] Centerline, Zero Insertion Force (ZIF), Right Angle, Surface Mount, Stuffer Actuator, Tin, 15 Position, FPC Connectors

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FPC Connectors



Centerline (Pitch): 1 mm [.039 in]

Mating Retention Type: Zero Insertion Force (ZIF)

PCB Mount Orientation: Right Angle

Contact Mating Location: Bottom

Termination Method to PCB: Surface Mount

Features

Product Type Features

|                                   |   |
|-----------------------------------|---|
| PCB Connector Assembly Type       | PCB Mount Receptacle                                  |
| Connector Product Type            | Connector Assembly                                    |
| Connector System                  | Flex-to-Board   |
| Connector & Contact Terminates To | Flexible Printed Circuit (FPC), Printed Circuit Board |
| FPC Actuator Type                 | Stuffer   |

Configuration Features

|                                   |             |
|-----------------------------------|-------------|
| Compatible With Wire & Cable Type | FFC, FPC    |
| Number of Rows                    | 1           |
| PCB Mount Orientation             | Right Angle |
| Number of Positions               | 15          |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 200 VAC |
|-------------------|---------|

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|



### Contact Features

|   |                 |
|---|-----------------|
| PCB Contact Termination Area Plating Material Thickness | 2 µm[78.74 µin] |
| Contact Layout  | Inline          |
| Contact Type  | Socket          |
| Contact Mating Area Plating Material Thickness          | 2 µm[78.74 µin] |
| PCB Contact Termination Area Plating Material Finish    | Bright          |
| Contact Shape & Form                                    | Single Beam     |
| Contact Mating Area Plating Material Finish             | Bright          |
| PCB Contact Termination Area Plating Material           | Tin             |
| Contact Base Material                                   | Phosphor Bronze |
| Contact Current Rating (Max)                            | 1 A             |
| Contact Mating Location                                 | Bottom          |
| Contact Mating Area Plating Material                    | Tin             |

### Termination Features

|                           |               |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Alignment        | With                       |
| PCB Mount Alignment     | Without                    |
| PCB Mount Retention     | With                       |
| Connector Mounting Type | Board Mount                |
| Mating Retention Type   | Zero Insertion Force (ZIF) |

### Housing Features

|                    |                              |
|--------------------|------------------------------|
| Housing Material   | LCP (Liquid Crystal Polymer) |
| Centerline (Pitch) | 1 mm[.039 in]                |

### Dimensions

|                              |                   |
|------------------------------|-------------------|
| Connector Length             | 22.92 mm[.902 in] |
| Accepts Flex Cable Thickness | .3 mm[.012 in]    |
| Connector Height             | 2.56 mm[.101 in]  |
| Connector Width              | 6.54 mm[.258 in]  |

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-----------------------------|---------------------------|

### Operation/Application



|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

**Identification Marking**

|                                |      |
|--------------------------------|------|
| Circuit Identification Feature | With |
|--------------------------------|------|

**Packaging Features**

|                    |             |
|--------------------|-------------|
| Packaging Quantity | 1200        |
| Packaging Method   | Tape & Reel |

**Product Compliance**

[For compliance documentation, visit the product page on TE.com>](#)

|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Reflow solder capable to 260°C  |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

**Compatible Parts**



TE Part # 1-84952-5  
1MM FPC HORZ.TOP CONT.ASSY 15P



TE Part # 1-1734248-5  
1.0 FPC, ZIF V/T, SMT, 15P

## Customers Also Bought



TE Part #1-338315-2  
25P.HDP20 REC.ASSY



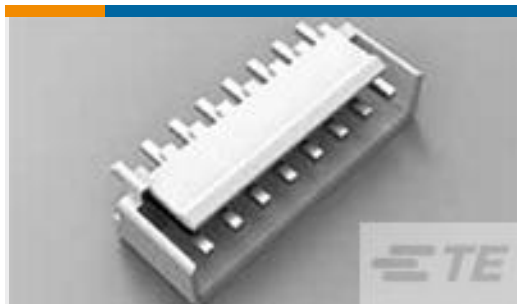
TE Part #1-6609115-2  
3EGG1-2 S0=F7385D



TE Part #6-1676481-8  
CPF 0603 4K3 0.1% 25PPM 1K RL



TE Part #2-1676481-9  
CPF 0603 75R 0.1% 25PPM 1K RL



TE Part #1877285-7  
07P EP SHRD HDR ASMY, WHITE



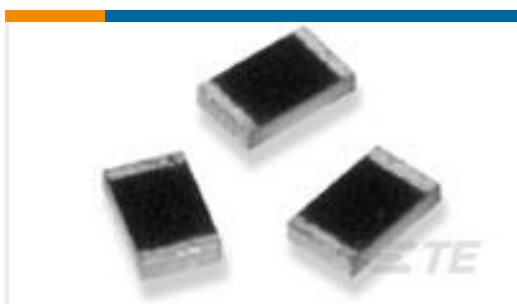
TE Part #1676220-2  
RN 0805 1K07 0.1% 10PPM 1KRL



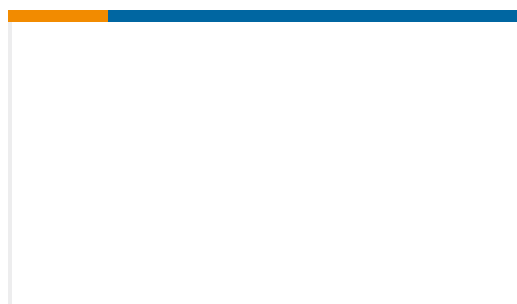
TE Part #2-2176238-0  
CPF A 0805 120R 0.1% 25PPM 5K RL



TE Part #NB20314001  
VERSAFIT-3/16-0-SP-SM



TE Part #2-1879269-8  
RP 2A 27R4 0.1% 15PPM CUT LENGTH



TE Part #176890-4  
1.25FP WITH T/Y WITH MYLAR

## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-84952-5\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-84952-5\\_A.3d\\_igs.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_CVM\\_1-84952-5\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[FPC Connector Family](#)

English

[1-1773959-7-FPC-Connectors-CN](#)

English

### Product Specifications

[Product Specification](#)

English

### Agency Approvals

[UL Report](#)

English