



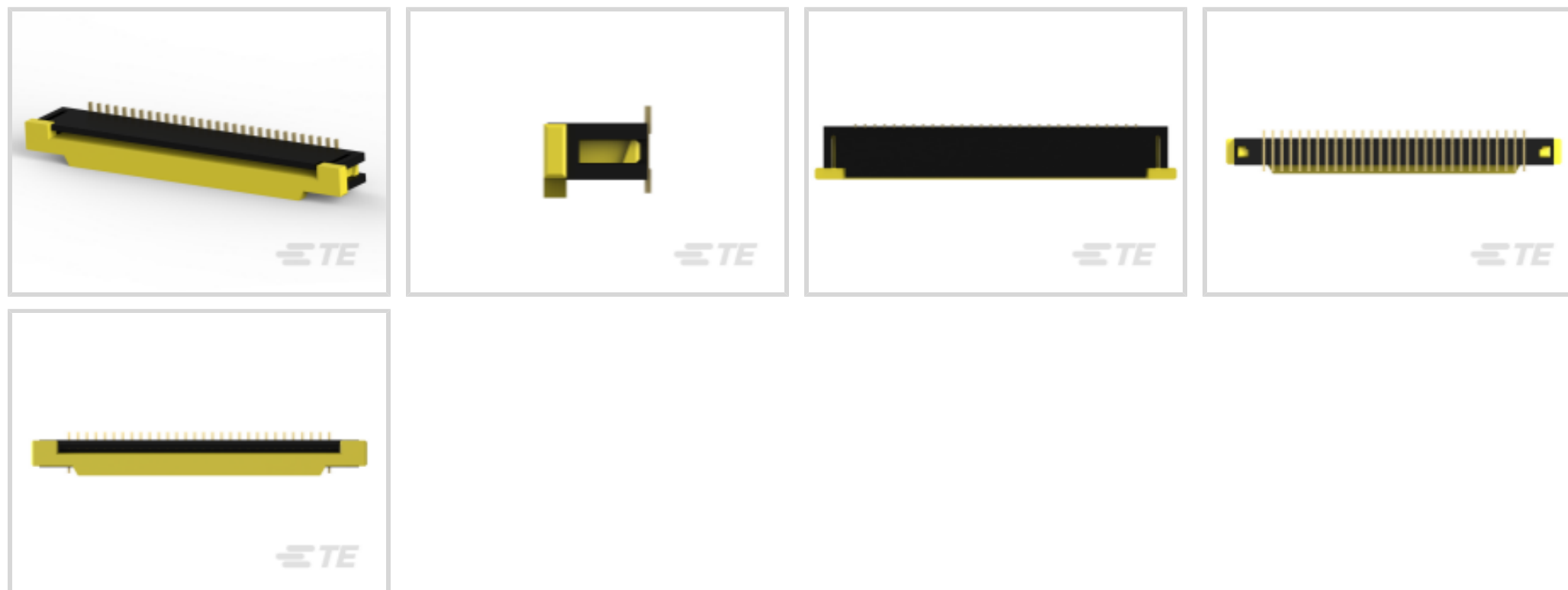
FPC

TE Internal #: 3-1734248-0

1 mm [.039 in] Centerline, Zero Insertion Force (ZIF), Vertical, Surface Mount, Stuffer Actuator, Gold Flash, 30 Position, FPC Connectors

[View on TE.com >](#)

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: Vertical

Termination Method to PCB: Surface Mount

FPC Actuator Type: Stuffer

**Features**

**Housing Features**

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 1 mm [.039 in] |
| Housing Material   | PA 9T          |

**Mechanical Attachment**

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

**Configuration Features**

|                                   |          |
|-----------------------------------|----------|
| PCB Mount Orientation             | Vertical |
| Number of Positions               | 30       |
| Compatible With Wire & Cable Type | FFC, FPC |
| Number of Rows                    | 1        |

**Termination Features**



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

### Product Type Features

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

### Contact Features

|   |  |
|---|--|
| Contact Mating Area Plating Material                    | Gold Flash                             |
| Contact Current Rating (Max)                            | 1 A                                    |
| Contact Shape & Form                                    | Single Beam                            |
| PCB Contact Termination Area Plating Material Thickness | .025 $\mu\text{m}$ [1 $\mu\text{in}$ ] |
| Contact Layout  | Inline                                 |
| Contact Base Material                                   | Phosphor Bronze                        |
| PCB Contact Termination Area Plating Material           | Gold                                   |
| Contact Type  | Socket                                 |
| Contact Mating Area Plating Material Thickness          | .025 $\mu\text{m}$ [1 $\mu\text{in}$ ] |

### Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 125 VDC |
|-------------------|---------|

### Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

### Dimensions

|                              |                   |
|------------------------------|-------------------|
| Connector Width              | 4.6 mm[.181 in]   |
| Accepts Flex Cable Thickness | .3 mm[.012 in]    |
| Connector Height             | 7.7 mm[.303 in]   |
| Connector Length             | 37.4 mm[1.472 in] |

### Usage Conditions

|                             |                          |
|-----------------------------|--------------------------|
| Operating Temperature Range | -20 – 85 °C[-4 – 185 °F] |
|-----------------------------|--------------------------|

### Operation/Application

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

### Identification Marking

|                                |         |
|--------------------------------|---------|
| Circuit Identification Feature | Without |
|--------------------------------|---------|

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Tape |
| Packaging Quantity | 1000 |

### 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: JAN 2023 (233)<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   |

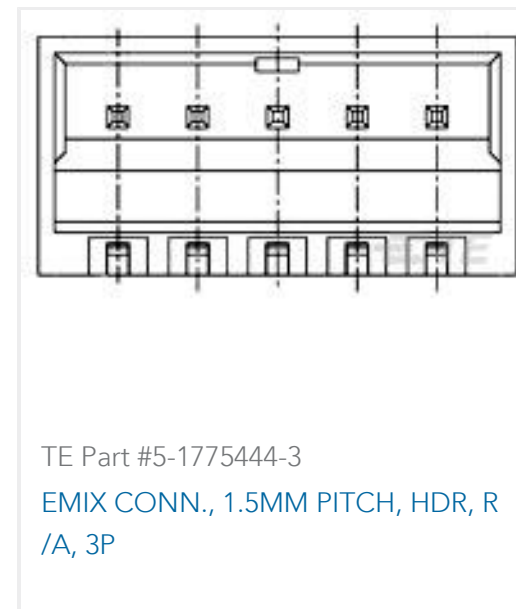
#### Product Compliance Disclaimer

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



## Customers Also Bought



## Documents

### Product Drawings

1.0 FPC, ZIF V/T, SMT, 30P

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-1734248-0\_E\_c-3-1734248-0-e.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-1734248-0\\_E\\_c-3-1734248-0-e.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-1734248-0\\_E\\_c-3-1734248-0-e.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

**FPC Connector Family**

English

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

English

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**Product Specifications**

**Product Specification**

English