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

**Connector System:** Flex-to-Board  
**Number of Positions:** 8  
**Centerline (Pitch):** 1 mm (0.039 in)  
**Insertion Force Type:** Zero Insertion Force (ZIF)  
**PCB Mount Orientation:** Right Angle

### Features

**Product Type Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB Connector Assembly Type</td>
<td>PCB Mount Receptacle</td>
</tr>
<tr>
<td>Connector Product Type</td>
<td>Connector Assembly</td>
</tr>
<tr>
<td>Connector System</td>
<td>Flex-to-Board</td>
</tr>
<tr>
<td>Insertion Force Type</td>
<td>Zero Insertion Force (ZIF)</td>
</tr>
<tr>
<td>FPC Actuator Type</td>
<td>Stuffer (Plunger Style)</td>
</tr>
<tr>
<td>Sealable</td>
<td>No</td>
</tr>
<tr>
<td>Connector &amp; Contact Terminates To</td>
<td>Flexible Printed Circuit (FPC)</td>
</tr>
</tbody>
</table>

**Configuration Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible With Wire &amp; Cable Type</td>
<td>FFC, FPC</td>
</tr>
<tr>
<td>Number of Rows</td>
<td>1</td>
</tr>
<tr>
<td>Number of Positions</td>
<td>8</td>
</tr>
<tr>
<td>PCB Mount Orientation</td>
<td>Right Angle</td>
</tr>
</tbody>
</table>

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage</td>
<td>200 VAC</td>
</tr>
</tbody>
</table>

**Contact Features**
### Contact Layout
- Inline

### PCB Contact Termination Area
- **Plating Material Thickness**: 2 µm [0.7874 µin]
- **Plating Material Finish**: Bright

### Contact Type
- Socket

### Contact Mating Area
- **Plating Material Thickness**: 2 µm [0.7874 µin]
- **Plating Material Finish**: Bright

### PCB Contact Termination Area
- **Plating Material**: Tin
- **Plating Material Finish**: Bright

### Contact Base Material
- Phosphor Bronze

### Contact Shape & Form
- Single Beam

### Contact Mating Location
- Bottom

### Contact Mating Area
- **Plating Material**: Tin

### Contact Current Rating (Max)
- 1 A

### Termination Features
- **Termination Method to Printed Circuit Board**: Surface Mount

### Mechanical Attachment
- **Mating Alignment**: With
- **PCB Mount Alignment**: Without
- **PCB Mount Retention**: With

### Connector Mounting Type
- Board Mount

### Housing Features
- **Housing Material**: LCP (Liquid Crystal Polymer)
- **Housing Color**: Natural
- **Centerline (Pitch)**: 1 mm [0.039 in]

### Dimensions
- **Connector Length**: 15.92 mm [0.6268 in]
- **Connector Height**: 2.56 mm [0.1008 in]
- **Connector Width**: 6.54 mm [0.2575 in]
- **Accepts Flex Cable Thickness**: .3 mm [0.012 in]

### Usage Conditions
- **Operating Temperature Range**: -40 – 85 °C [-40 – 185 °F]

### Operation/Application

### Circuit Application

<table>
<thead>
<tr>
<th>Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

### Identification Marking

<table>
<thead>
<tr>
<th>Circuit Identification Feature</th>
<th>With</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Packaging Features

<table>
<thead>
<tr>
<th>Packaging Quantity</th>
<th>1500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging Method</td>
<td>Tape &amp; Reel</td>
</tr>
</tbody>
</table>

### Product Compliance

For compliance documentation, visit the product page on TE.com.

<table>
<thead>
<tr>
<th>EU RoHS Directive 2011/65/EU</th>
<th>Compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU ELV Directive 2000/53/EC</td>
<td>Compliant</td>
</tr>
<tr>
<td>China RoHS 2 Directive MIIT Order No 32, 2016</td>
<td>No Restricted Materials Above Threshold</td>
</tr>
<tr>
<td>EU REACH Regulation (EC) No. 1907/2006 (201)</td>
<td>Candidate List Declared Against: JUL 2019 (201)</td>
</tr>
<tr>
<td></td>
<td>Does not contain REACH SVHC</td>
</tr>
<tr>
<td>EU REACH Regulation (EC) No. 1907/2006 (201)</td>
<td>Candidate List Declared Against: JUL 2019 (201)</td>
</tr>
<tr>
<td>Halogen Content</td>
<td>Not Low Halogen - contains Br or Cl &gt; 900 ppm.</td>
</tr>
<tr>
<td>Solder Process Capability</td>
<td>Reflow solder capable to 260°C</td>
</tr>
</tbody>
</table>

**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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’ (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as OSA (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts

For support call +1 800 522 6752
3D
Customer View Model
ENG_CVM_CVM_84952-8_A.3d.igs.zip
English
Customer View Model
ENG_CVM_CVM_84952-8_A.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions.

Datasheets & Catalog Pages
FPC Connector Family

5-1773461-0_Standard_FPC_Connector_Quick_Reference_Guide
English
1-1773959-6-flexible-printed-circuit-con
English
1-1773959-7-FPC-Connectors-CN

Product Specifications
Product Specification

English

Product Environmental Compliance
TE Material Declaration

English

Agency Approvals
UL Report

English