



FPC

TE Internal #: 2-84953-5

1 mm [.039 in] Centerline, Zero Insertion Force (ZIF), Right Angle, Surface Mount, Stuffer Actuator, Tin, 25 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: Right Angle

Contact Mating Location: Top

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) |
| 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               | 25          |

Electrical Characteristics

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

Body Features

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

Contact Features

|                                                         |              |
|---------------------------------------------------------|--------------|
| PCB Contact Termination Area Plating Material Thickness | 2 µm, 3.8 µm |
| Contact Layout                                          | Inline       |
| Contact Type                                            | Socket       |



|                                                      |                 |
|------------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness       | 2 µm, 3.8 µm    |
| 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                              | Top             |
| 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             | 32.92 mm [1.296 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 # 2-84952-5  
1MM FPC HORZ.BOTTOM CONT.  
ASSY 25P



TE Part # 2-84982-5  
1MM FFC SMT V ASSY 25P EMBOSS

Customers Also Bought





TE Part #1-1623782-3  
SQM5 47K 5% (METAL FILM)

TE Part #7-1879021-3  
SMW3 100R 5%

TE Part #3-1676966-5  
SMW2 2R7 5%

TE Part #9-1419111-3  
PT571024

TE Part #350792-1  
04P UMML PIN HDR ASSY 94VO

TE Part #2007198-1  
SFP+ 1x1 Cage Assembly, Press-

TE Part #4-1393224-6  
RY211012

TE Part #2329497-2  
SPRING FINGER 1.15H

TE Part #9-1393792-0  
V23105A5005A201

TE Part #60635-1  
250 FASTON REC 14-10 AWG TPBR

Documents

Product Drawings

1MM FPC HORZ.TOP CONT.ASSY 25P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-84953-5\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-84953-5\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-84953-5\_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