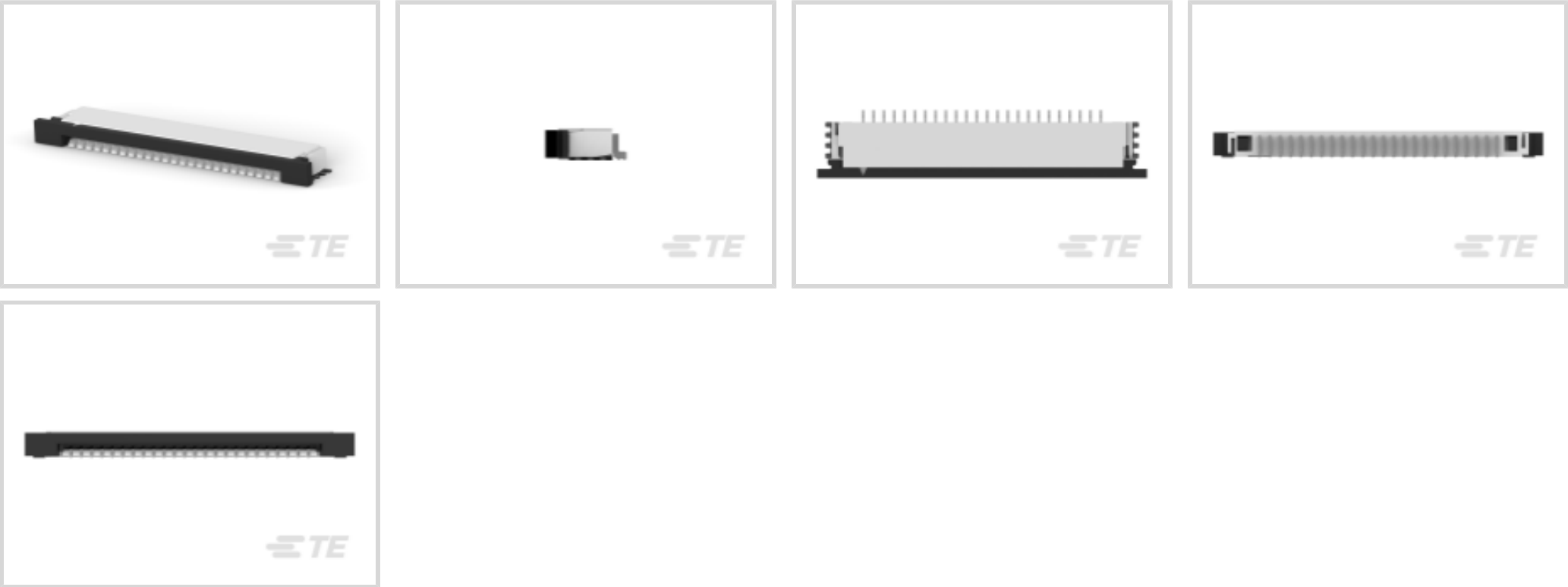




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FPC Connectors



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

Electrical Characteristics

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

Usage Conditions

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

Operation/Application

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

Body Features

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

Identification Marking

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

Packaging Features

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

Dimensions

|                              |                |
|------------------------------|----------------|
| Accepts Flex Cable Thickness | .3 mm[.012 in] |
|------------------------------|----------------|



|                  |                    |
|------------------|--------------------|
| Connector Width  | 6.54 mm[.258 in]   |
| Connector Height | 2.56 mm[.101 in]   |
| Connector Length | 31.92 mm[1.257 in] |

Product Type Features

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

Contact Features

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

Configuration Features

|                                   |             |
|-----------------------------------|-------------|
| Compatible With Wire & Cable Type | FFC, FPC    |
| Number of Rows                    | 1           |
| PCB Mount Orientation             | Right Angle |
| Number of Positions               | 24          |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
| PCB Mount Retention     | With        |
| Mating Alignment        | With        |
| PCB Mount Alignment     | Without     |



|                       |                            |
|-----------------------|----------------------------|
| Mating Retention Type | Zero Insertion Force (ZIF) |
|-----------------------|----------------------------|

Housing Features

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

Termination Features

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

Other

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

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 2021 (211)<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

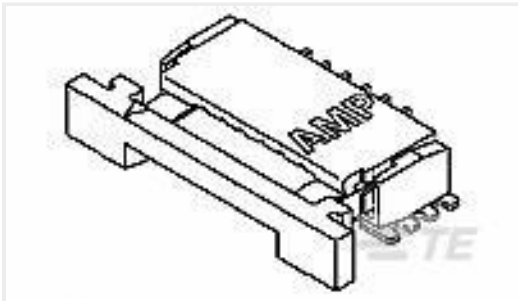
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2-84953-4  
1MM FPC HORZ.TOP CONT.ASSY 24P



TE Part # 2-487952-4  
024 1MM FPC BTM HORZ



TE Part # 2-1734248-4  
1.0 FPC, ZIF V/T, SMT, 24P

Customers Also Bought



TE Part #2-6609129-1  
5EFM1=F8092



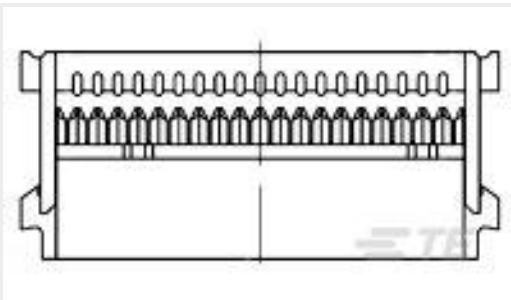
TE Part #EC0026-000  
05801404



TE Part #EC0021-000  
05801303



TE Part #EC0020-000  
05801202



TE Part #1-1658526-3  
609-2041LF FEM SOCKET,LEAD FREE



TE Part #1658527-8  
622-2041LF FEM SOCKET,LEAD FREE



TE Part #3-1879338-5  
CPF 0603 60K4 1% 50PPM 1K RL



TE Part #2-6609089-4  
16WGA1=F4338



TE Part #EC0193-000  
05811404



TE Part #EC0180-000  
05811202

Documents

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2-84952-4\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-84952-4\_A.3d\_igs.zip

English



Customer View Model

[ENG\\_CVM\\_CVM\\_2-84952-4\\_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