



FPC

TE Internal #: 1-1734248-8

1 mm [.039 in] Centerline, Vertical, Surface Mount, Stuffer Actuator, Gold Flash, 18 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: Vertical

Termination Method to PCB: Surface Mount

FPC Actuator Type: Stuffer

Features

Electrical Characteristics

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

Usage Conditions

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

Body Features

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

Identification Marking

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

Packaging Features

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

Operation/Application

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

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             | 25.4 mm[1 in]   |

Contact Features



|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Contact Current Rating (Max)                            | 1 A             |
| Contact Shape & Form                                    | Single Beam     |
| PCB Contact Termination Area Plating Material Thickness | .025 µm[1 µin]  |
| 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 µm[1 µin]  |
| Contact Mating Area Plating Material                    | Gold Flash      |

Product Type Features

|                                   |                                |
|-----------------------------------|--------------------------------|
| 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                  |
| FPC Actuator Type                 | Stuffer                        |

Configuration Features

|                                   |          |
|-----------------------------------|----------|
| Compatible With Wire & Cable Type | FFC, FPC |
| Number of Rows                    | 1        |
| PCB Mount Orientation             | Vertical |
| Number of Positions               | 18       |

Mechanical Attachment

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

Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | PA 9T         |
| 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: 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 # 1-84982-8  
1MM FFC SMT V ASSY 18P EMBOSS



TE Part # 1-84952-8  
1MM FPC HORZ.BTTM CONT.ASS.18P

Customers Also Bought



TE Part #1903815-1  
INDUSTRIAL USB REC ASSY R/A  
2ROW



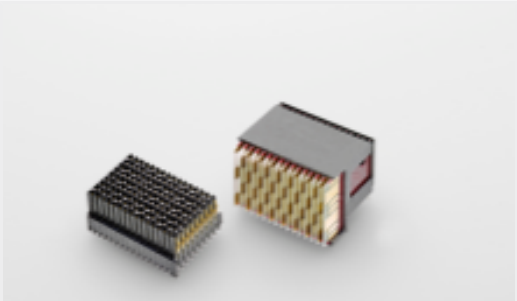
TE Part #5-1879208-0  
CPF 0402 1K1 0.1% 25PPM 1K RL



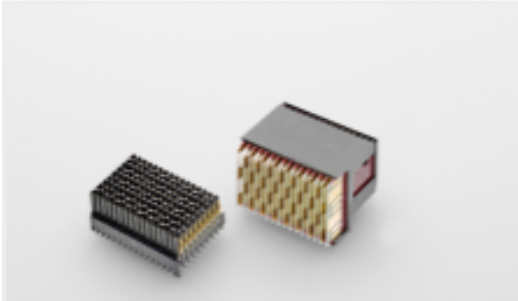
TE Part #1825136-7  
A101KZQ04



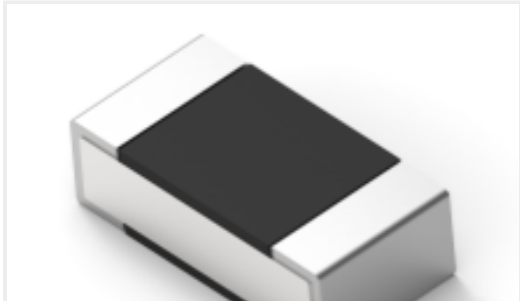
TE Part #1-2842142-0  
20P,2MM,BRK HDR,DRVT,SMD,0.1AU,  
TR W/CAP



TE Part #2302789-1  
VERTRECASSY,CENTER,MULTIGIG  
RT3



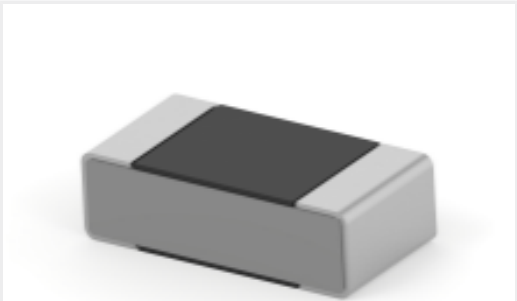
TE Part #2332817-1  
Vert RCPT Left End Half Multigig RT 3



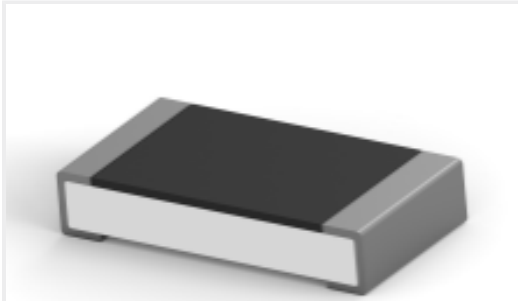
TE Part #1-2176308-2  
RP 1E 0.1W 174K 0.1% 25PPM 5K RL



TE Part #1-84984-6  
1mm FFC DIP V ASSY 16P TUBE



TE Part #7-1879128-8  
RN 0402 1K0 0.1% 10PPM 5K RL



TE Part #1-2176388-6  
RQ 1206 14R3 0.1% 10PPM 5K RL

Documents

Product Drawings  
1.0 FPC, ZIF V/T, SMT, 18P  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_1-1734248-8\_E\_c-1-1734248-e.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1-1734248-8\_E\_c-1-1734248-e.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1-1734248-8\_E\_c-1-1734248-e.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