



FPC

TE Internal #: 1-84981-6
FPC Connectors, Flex-to-Board, 16 Position, .039 in [1 mm]
Centerline, Non-ZIF, Right Angle, Surface Mount, Height .118 in [3 mm]

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



Connector System: **Flex-to-Board**
Number of Positions: **16**
Centerline (Pitch): **1 mm [.039 in]**
Insertion Force Type: **Non-ZIF**
PCB Mount Orientation: **Right Angle**

Features

Product Type Features

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

Configuration Features

| | |
|-----------------------------------|-------------|
| Compatible With Wire & Cable Type | FFC, FPC |
| Number of Rows | 1 |
| Number of Positions | 16 |
| PCB Mount Orientation | Right Angle |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 125 VAC |
|-------------------|---------|

Body Features



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

Contact Features

| | |
|---|-----------------|
| PCB Contact Termination Area Plating Material Thickness | 1 μm[39.37 μin] |
| Contact Layout | Inline |
| Contact Type | Socket |
| Contact Mating Area Plating Material Thickness | 1 μm[39.37 μin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Shape & Form | Single Beam |
| Contact Mating Area Plating Material Finish | Matte |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Location | Top |
| Contact Mating Area Plating Material | Tin |
| Contact Current Rating (Max) | 1 A |

Termination Features

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|---|----------------|
| Termination Post & Tail Length | .7 mm[.028 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

Mechanical Attachment

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

Housing Features

| | |
|--------------------|---------------|
| Housing Material | Nylon |
| Centerline (Pitch) | 1 mm[.039 in] |

Dimensions

| | |
|------------------------------|-----------------|
| Connector Length | 19 mm[.748 in] |
| Connector Height | 3 mm[.118 in] |
| Connector Width | 6.3 mm[.248 in] |
| Accepts Flex Cable Thickness | .3 mm[.012 in] |

Usage Conditions

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



Operation/Application

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

Identification Marking

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1500 |
| Packaging Method | Tape |

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Reflow solder capable to 245°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 # 1-1735360-6
1mm FFC SMT H BOTTOM
CONTACT ASSY, 16P

Customers Also Bought

TE Part # 292132-5
CT P/HDR BOX V 5P NAT

TE Part # 5-1415899-0
RZ03-1A3-D024

TE Part # 1554723-1
1.0 SEALED RECEPTACLE CONTACT

TE Part # 1241050-4
2x4P MOD II BREAK AWAY HDR,SMD,
BLISTER

TE Part # 6-104074-0
08 SYSTEM 50 HDR SRRA SHRD SN

TE Part # 5787419-1
HDR ASY,VERT,STR TAIL,10.8V

TE Part # 1982295-2
ELCON MINI 2P RA HEADER,W/O
CODING

TE Part # 1676358-2
RN 0805 4K42 0.1% 10PPM 1KRL

Documents

Product Drawings

1MM FFC SMT H ASSY 16P EMBOSS

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-84981-6_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-84981-6_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-84981-6_J.3d_stp.zip

English

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



Datasheets & Catalog Pages

1-1773959-7-FPC-Connectors-CN

FPC Connector Family

English

5-1773461-0_Standard_FPC_Connector_Quick_Reference_Guide

English

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English