1-84981-6 ACTIVE

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



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	Тор
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	1 A
Termination Features	
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	
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>

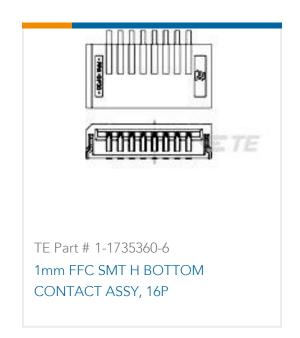
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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





Customers Also Bought















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

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Datasheets & Catalog Pages

FPC Connector Family

English

1-1773959-7-FPC-Connectors-CN

English

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English