

FPC

TE Internal #: 2-1734592-0

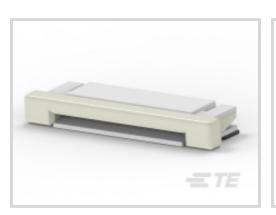
FPC Connectors, Flex-to-Board, 20 Position, .02 in [.5 mm]

Centerline, Zero Insertion Force (ZIF), Right Angle, Surface Mount

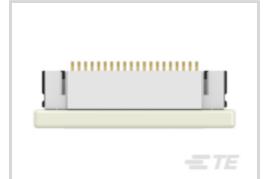
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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FPC Connectors > 0.5mm FPC Connectors











Connector System: Flex-to-Board

Number of Positions: 20

Centerline (Pitch): .5 mm [.02 in]

Insertion Force Type: Zero Insertion Force (ZIF)

PCB Mount Orientation: Right Angle

All 0.5mm FPC Connectors (135)

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector Product Type	Connector Assembly
Connector System	Flex-to-Board
Insertion Force Type	Zero Insertion Force (ZIF)
FPC Actuator Type	Stuffer (Plunger Style)
Connector & Contact Terminates To	Flexible Printed Circuit (FPC)
Configuration Features	
Configuration Features Compatible With Wire & Cable Type	FFC, FPC
	FFC, FPC
Compatible With Wire & Cable Type	
Compatible With Wire & Cable Type Number of Rows	1

250 VAC

Operating Voltage



Body Features

Primary Product Color	Natural
Contact Features	
PCB Contact Termination Area Plating Material Thickness	.025 μm[100 μin]
Contact Layout	Inline
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.025 μm[100 μin]
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Location	Bottom
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	.5 A
Termination Features	
Termination Method to Printed Circuit Board	Surface Mount
Mechanical Attachment	
Mating Alignment	With
Connector Mounting Type	Board Mount
PCB Mount Alignment	Without
PCB Mount Retention	With
Housing Features	
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	.5 mm[.02 in]
Dimensions	
Connector Length	15.43 mm[.607 in]
Connector Height	2.05 mm[.08 in]
Connector Width	5.1 mm[.2 in]
Accepts Flex Cable Thickness	.3 mm[.012 in]
Usage Conditions	
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Circuit Application	Signal



Identification Marking

Circuit Identification Feature	Without
Packaging Features	
Packaging Quantity	2000
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 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

Customers Also Bought



















Documents

Product Drawings

FPC CONN. 0.5MM PITCH B/C, 20P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1734592-0_C_c-2-1734592-0-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1734592-0_C_c-2-1734592-0-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1734592-0_C_c-2-1734592-0-c.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

Product Specifications

Product Specification

English