



FPC

TE Internal #: 2-84981-0

FPC Connectors, Flex-to-Board, 20 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: **20**

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)

Configuration Features

Compatible With Wire & Cable Type	FFC, FPC
Number of Rows	1
Number of Positions	20
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	125 VAC
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Body Features

Primary Product Color	Natural
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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

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	23 mm[.906 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]
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Operation/Application



Circuit Application	Signal
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Identification Marking

Circuit Identification Feature	Without
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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 # 2-1735360-0
1mm FFC SMT H BOTTOM
CONTACT ASSY, 20P

Customers Also Bought

TE Part # 5748678-2
2 PC PLST CBL CLMP KIT

TE Part # 1735042-8
1MM FFC SMT V ASSY 8P EMBOSS

TE Part # 5-534998-8
16 MODIV VRT DR CE 100/125

TE Part # 84981-6
1MM FFC SMT H ASSY 6P EMBOSS

TE Part # 2301843-2
AMPL PLUG HD20, R/A, 9P, B/L,4-40 S
/LOCK

TE Part # 2306454-3
SPRING FINGER 2.3H

TE Part # 2328702-4
4PIN 0.5MMMP FPC CONNECTOR,
BACK FLIP LOCK

TE Part # YDTS26F15-35PNV001
PLUG ASSY

TE Part # 1-1735042-8
1MM FFC SMT V ASSY 18P EMBOSS

Documents

Product Drawings

1MM FFC SMT H ASSY 20P EMBOSS

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-84981-0_J.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_2-84981-0_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-84981-0_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

Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English