

1MM FPC HORZ.TOP CONT.ASSY 16P

✓ ACTIVE

FPC

TE Part # 1-84953-6

TE Internal #: 1-84953-6

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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: **ZIF**

PCB Mount Orientation: **Right Angle**

Features

Product Type Features

Series	FPC
Connector System	Flex-to-Board
Insertion Force	ZIF
Actuator Type	Stuffer
Sealable	No
Connector & Contact Terminates To	Flexible Printed Circuit (FPC)
Connector Type	Connector Assembly
Connector Style	Receptacle
Wire/Cable Type	FPC/FFC
Shielded	No

Configuration Features

Number of Positions	16
PCB Mount Orientation	Right Angle
Number of Rows	1

Electrical Characteristics

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Operating Voltage	200 VAC
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Contact Features

Contact Layout	Inline
Contact Mating Area Plating Material Finish	Bright
Contact Termination Area Plating Material	Tin
PCB Contact Termination Area Plating Material Finish	Bright
Contact Base Material	Phosphor Bronze
Contact Mating Location	Top
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	1 A
Contact Design	Single Beam
Contact Termination Area Plating Thickness	2 µm, 3.8 µm
Contact Type	Socket
Contact Transmits (Typical)	Signal (Data)
Contact Mating Area Plating Thickness	2 µm, 3.8 µm

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

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

Housing Features

Centerline (Pitch)	1 mm[.039 in]
Housing Color	Natural
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Height	2.56 mm[.1008 in]
Width	6.54 mm[.2575 in]
Flex Cable Thickness	.3 mm[.012 in]
Length	23.92 mm[.9417 in]

Usage Conditions

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Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Identification Marking

Circuit Identification Feature	With
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Packaging Features

Packaging Quantity	1200
Packaging Method	Tape & Reel

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	Aktuelle ECHA Kandidatenliste: JAN 2019 (197) Kandidatenliste deklariert bezüglich: JUN 2018 (191)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

1MM FPC HORZ.TOP CONT.ASSY 16P

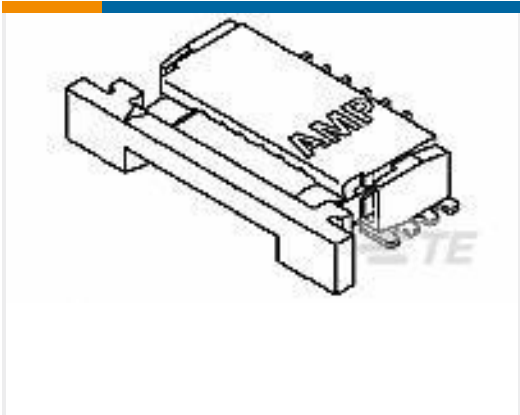
TE Part # 1-84953-6
TE Internal #: 1-84953-6





TE Part # 1-84952-6
1MM FPC HORZ.BTTM
CONT.ASS.16P

Customers Also Bought



TE Part #1-84952-6
1MM FPC HORZ.BTTM
CONT.ASS.16P



TE Part #3-1879216-2
CPF0402 150K 0.1%
25PPM 1K RL



TE Part #1977223-6
FSM2JSMASTR=6MM
TACT SWITCH,



TE Part #2041119-1
mSATA/mini PCI-E 4H
Type I G/F



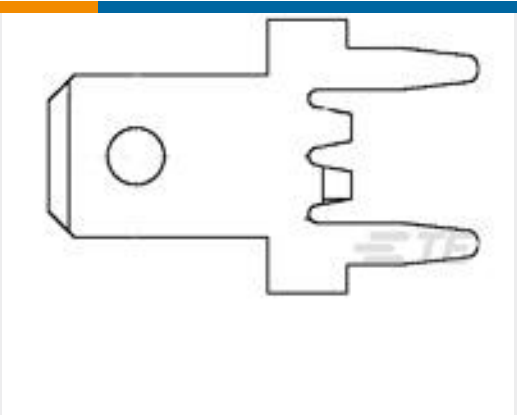
TE Part #84953-6
1MM FPC HORZ.TOP
CONT.ASSY 6P



TE Part #2174507-2
MICRO USB, TYPE B



TE Part #8-1415029-1
PB114012



TE Part #1217133-1
FASTON 187 PCB TAB
TPBR



TE Part #84953-8
1MM FPC HORZ.TOP
CONT.ASSY 8P

Documents

Product Drawings

1MM FPC HORZ.TOP CONT.ASSY 16P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-84953-6_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-84953-6_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-84953-6_A.3d_stp.zip](#)

English

Datasheets & Catalog Pages

FPC Connector Family

English

[5-1773461-0_Standard_FPC_Connector_Quick_Reference_Guide](#)

English

Product Specifications

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English