



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



Connector System: **Flex-to-Board**
Number of Positions: **4**
Centerline (Pitch): **1 mm [.039 in]**
Insertion Force Type: **Zero Insertion Force (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	Zero Insertion Force (ZIF)
FPC Actuator Type	Stuffer (Plunger Style)
Sealable	No
Connector & Contact Terminates To	Flexible Printed Circuit (FPC)

Configuration Features

Compatible With Wire & Cable Type	FFC, FPC
Number of Rows	1
Number of Positions	4
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	200 VAC
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Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	2 µm, 3.8 µm
Contact Type	Socket
Contact Mating Area Plating Material Thickness	2 µm, 3.8 µm
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Single Beam
Contact Mating Area Plating Material Finish	Bright
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 Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	11.92 mm[.4692 in]
Connector Height	2.56 mm[.1008 in]
Connector Width	6.54 mm[.2575 in]
Accepts Flex Cable Thickness	.3 mm[.012 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C, -40 – 85 °C[-40 – 185 °F][-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	1500
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	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
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

 <p>TE Model / Part # 84952-4 1MM FPC HORZ.BTTM CONT.ASS.4P</p>	 <p>TE Model / Part # 1734248-3 1.0 FPC, ZIF V/T, SMT, 3P</p>	 <p>TE Model / Part # 84982-4 1MM FFC SMT V ASSY 4P EMBOSS</p>	 <p>TE Model / Part # 487951-4 004 1MM FPC TOP HORZ</p>
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Customers Also Bought

 <p>TE Model / Part #1473005-1 SEMI HARD TRAY DDR SOCKET 200P</p>	 <p>TE Model / Part #4-1734839-0 FPC CONN. 0.5MM PITCH T/C,40P</p>	 <p>TE Model / Part #1981584-1 MICRO USB, TYPE A/B, GRAY</p>	 <p>TE Model / Part #5787617-1 RECP ASSY, R/A, STACKED, THRU-HOLE, USB,</p>
 <p>TE Model / Part #2-1624117-0 BMB-L 0805 1K</p>	 <p>TE Model / Part #84952-6 1MM FPC HORZ.BTTM CONT.ASS.6P</p>	 <p>TE Model / Part #84952-4 1MM FPC HORZ.BTTM CONT.ASS.4P</p>	 <p>TE Model / Part #1571983-4 GDH04S04=DIP SWITCH</p>

Documents

Product Drawings

1MM FPC HORZ.TOP CONT.ASSY 4P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_84953-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_84953-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_84953-4_A.3d_stp.zip



English

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

Datasheets & Catalog Pages

FPC Connector Family

English

5-1773461-0_Standard_FPC_Connector_Quick_Reference_Guide

English

1-1773959-6-flexible-printed-circuit-con

English

1-1773959-7-FPC-Connectors-CN

Product Specifications

Product Specification

English

Product Environmental Compliance

MD_84953-4_0819201754_dmtec

English

MD_84953-4_0819201754_dmtec

English

Agency Approvals

UL Report

English