1-1735042-2 ✔ ACTIVE

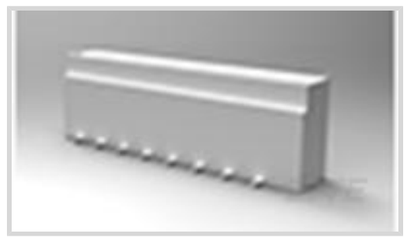
FPC

TE Internal #: 1-1735042-2

FPC Connectors, Flex-to-Board, 12 Position, 1mm [.039in] Centerline, Non-ZIF, Vertical, Surface Mount, Connector Height 5.6 mm [.22 in]

View on TE.com >

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



Connector System: **Flex-to-Board**

Number of Positions: **12**

Centerline (Pitch): **1 mm [.039 in]**

Insertion Force Type: **Non-ZIF**

PCB Mount Orientation: **Vertical**

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
Sealable	No
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	12
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	125 VAC

Contact Features

Contact Layout	Staggered Type A
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
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 Area Plating Material	Tin
Contact Current Rating (Max)	1 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

Housing Material	Nylon GF
Housing Color	Natural
Centerline (Pitch)	1 mm[.039 in]

Dimensions

Connector Length	14 mm[.551 in]
Connector Height	5.6 mm[.22 in]
Connector Width	4 mm[.157 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	With

Packaging Features

Packaging Quantity	800

Packaging Method	Tape & Reel

Product Compliance

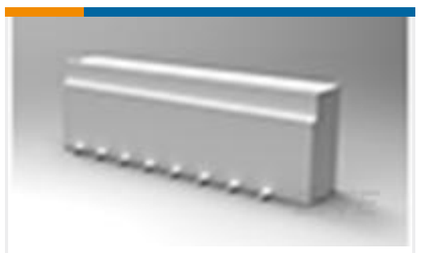
For compliance documentation, visit the product page on TE.com>

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

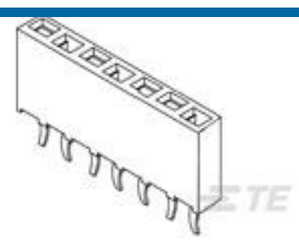
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-84982-2
1MM FFC SMT V ASSY 12P EMBOSS

Customers Also Bought



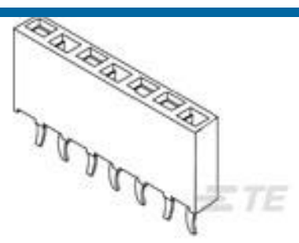
TE Part #1-215297-2
12P HV100 REC CON. TE, 7.0MM



TE Part #1-2176305-9
RP 1E 0.1W 165R 0.1% 25PPM 5K RL



TE Part #1393258-3
Force Guided Power Relay, 2 Poles



TE Part #1-215297-4
14P HV100 REC CON. TE, 7.0MM

TE Part #1-640457-2
Polyester Right Angle PCB Header: 2.54mm, Unshrouded, MTA 100

TE Part #1-776266-1
AMPSEAL HEADERS

TE Part #104350-3
06 MODII HDR DRST B/A W/HD

TE Part #1-84982-2
1MM FFC SMT V ASSY 12P EMBOSS



TE Part #DRC13-70PD-B027
DEUTSCH DRC HEADERS



TE Part #1478769-3
ANTI-VIB NYLON GLD 20MM BLK

Documents

Product Drawings

1MM FFC SMT V ASSY 12P EMBOSS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1735042-2_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1735042-2_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1735042-2_M.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

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

English

1-1773959-7-FPC-Connectors-CN

Product Specifications

Product Specification

English

Product Environmental Compliance

MD_1-1735042-2_0603201610_dmtec

English

MD_1-1735042-2_0603201610_dmtec

English