



FPC

TE Internal #: 2-1734248-1

FPC Connectors, Flex-to-Board, 21 Position, 1mm [.039in]

Centerline, Zero Insertion Force (ZIF), Vertical, Surface Mount

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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: **21**

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

Insertion Force Type: **Zero Insertion Force (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	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	21
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	125 VDC
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Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	.025 μm[1 μin]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.025 μm[1 μin]



Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Location	Top
Contact Mating Area Plating Material	Gold
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	PA 9T
Housing Color	Black
Centerline (Pitch)	1 mm[.039 in]

Dimensions

Connector Length	28.4 mm[1.118 in]
Connector Height	7.7 mm[.303 in]
Connector Width	4.6 mm[.181 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	1000
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	Not Yet Reviewed
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: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

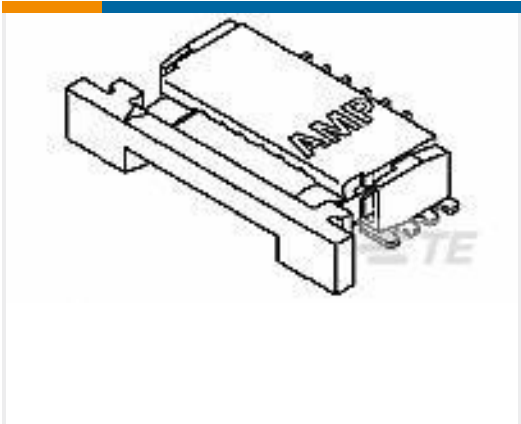
Product Compliance Disclaimer

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>

Compatible Parts



TE Part # 2-84982-1
1MM FPC SMT V ASSY 21P EMBOSS



TE Part # 2-84952-1
1MM FPC HORZ.BTTM CONT.ASS.21P

Customers Also Bought





TE Part #1473005-1
DDR2 SO DIMM Sockets



TE Part #1625995-2
Power Resistors: Aluminum Housed, HSA



TE Part #1571983-1
GDH02S04=DIP SWITCH



TE Part #1825027-5
FSMRA2JH04=R/A,TACT PB SW,160G



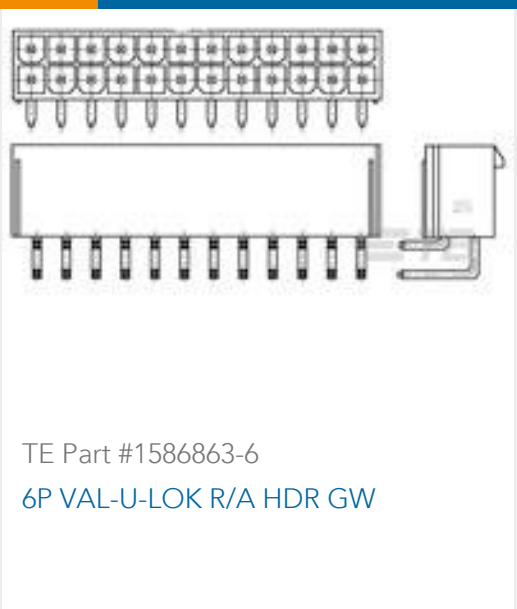
TE Part #1393236-4
V23092-A1012-A201



TE Part #1-1879350-0
RR01 5% R51 AMMO



TE Part #1-215083-2
MALE-ON-WIRE CONNECTOR



TE Part #1586863-6
6P VAL-U-LOK R/A HDR GW



TE Part #770091-1
09P .093 COMM P&S RECPT HSG

Documents

Product Drawings
1.0 FPC, ZIF V/T, SMT, 21P
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2-1734248-1_E_c-2-1734248-1-e.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_2-1734248-1_E_c-2-1734248-1-e.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2-1734248-1_E_c-2-1734248-1-e.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

[5-1773461-0_Standard_FPC_Connector_Quick_Reference_Guide](#)

English

[1-1773959-7-FPC-Connectors-CN](#)

Product Specifications

[Product Specification](#)

English