2-1734742-4 ✔ ACTIVE

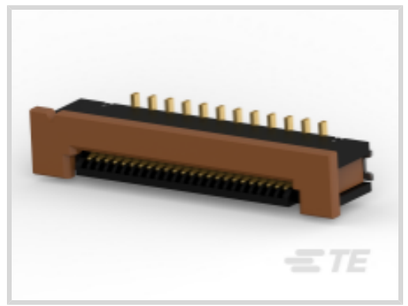
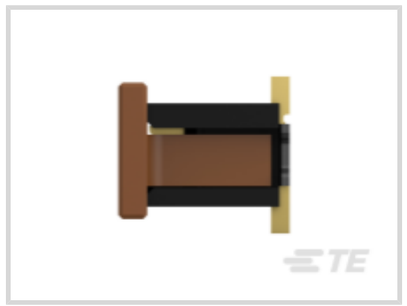
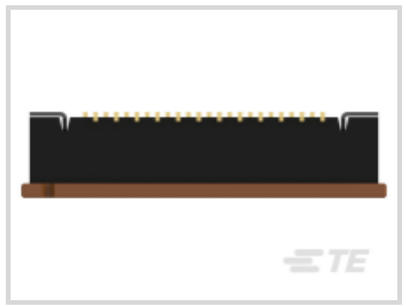
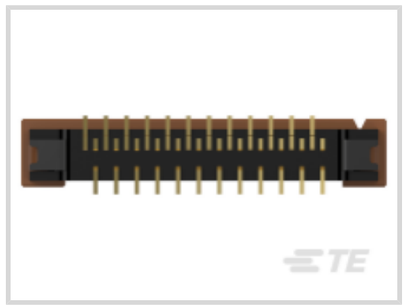
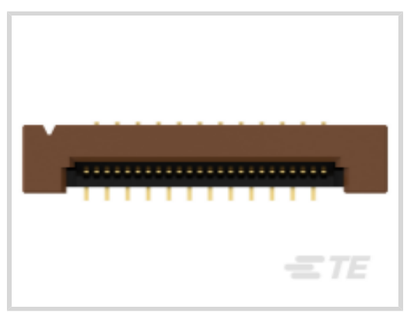
FPC

TE Internal #: 2-1734742-4

FPC Connectors, Flex-to-Board, 24 Position, .5mm [.02in] Centerline, Zero Insertion Force (ZIF), Vertical, Surface Mount

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FPC Connectors > 0.5mm FPC Connectors

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

Number of Positions: **24**

Centerline (Pitch): **.5 mm [.02 in]**

Insertion Force Type: **Zero Insertion Force (ZIF)**

PCB Mount Orientation: **Vertical**

All 0.5mm FPC Connectors (160)

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	24
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC

Contact Features

Contact Layout	Staggered Type A
PCB Contact Termination Area Plating Material Thickness	.03 µm[120 µin]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.007 µm[30 µin]
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Location	Bottom
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

Housing Material	PA 9T GF
Housing Color	Black
Centerline (Pitch)	.5 mm[.02 in]

Dimensions

Connector Length	17.7 mm[.697 in]
Connector Height	4.15 mm[.163 in]
Connector Width	3.8 mm[.15 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	Without

Packaging Features

Packaging Quantity	1000
Packaging Method	Tape

Product Compliance

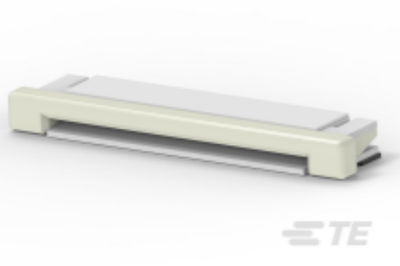
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	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 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 # CAT-F839-C76264050
0.5mm FPC Connectors

Customers Also Bought



TE Part #1717254-4
DDR2 SO DIMM Sockets



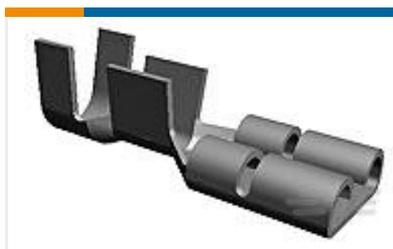
TE Part #1658670-3
D-Sub Connector Contacts: Pin, Brass, Signal, Size 22



TE Part #1-5050871-9
Mini Spring Sockets: Open Bottom, 7.5 A



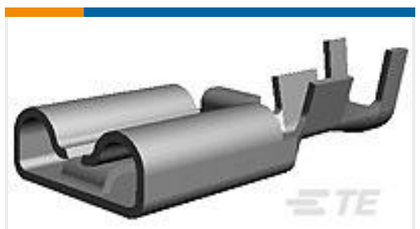
TE Part #1734595-2
AMP HPI 1.0MM HEADERS



TE Part #63365-2
FASTON 250 RECEPTACLE 2.0-5.0 MM2 TPBR



TE Part #1744144-1
EP-II CONTACT LANCELESS, 22-18



TE Part #175024-1
250 PL EX REC. 15-10AWG PTBR

TE Part #10215238-00
PRES,SENSOR,1210A-100G-3B

Documents

Product Drawings

.5 FPC VT ZIF Type-A 24 CONT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1734742-4_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1734742-4_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1734742-4_O.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

FPC Connector Family

English

Flexible Printed Circuit Connectors - FPC (Virtual Sample Kit)

English

1-1773959-7-FPC-Connectors-CN

Product Specifications

Product Specification

English