



FPC

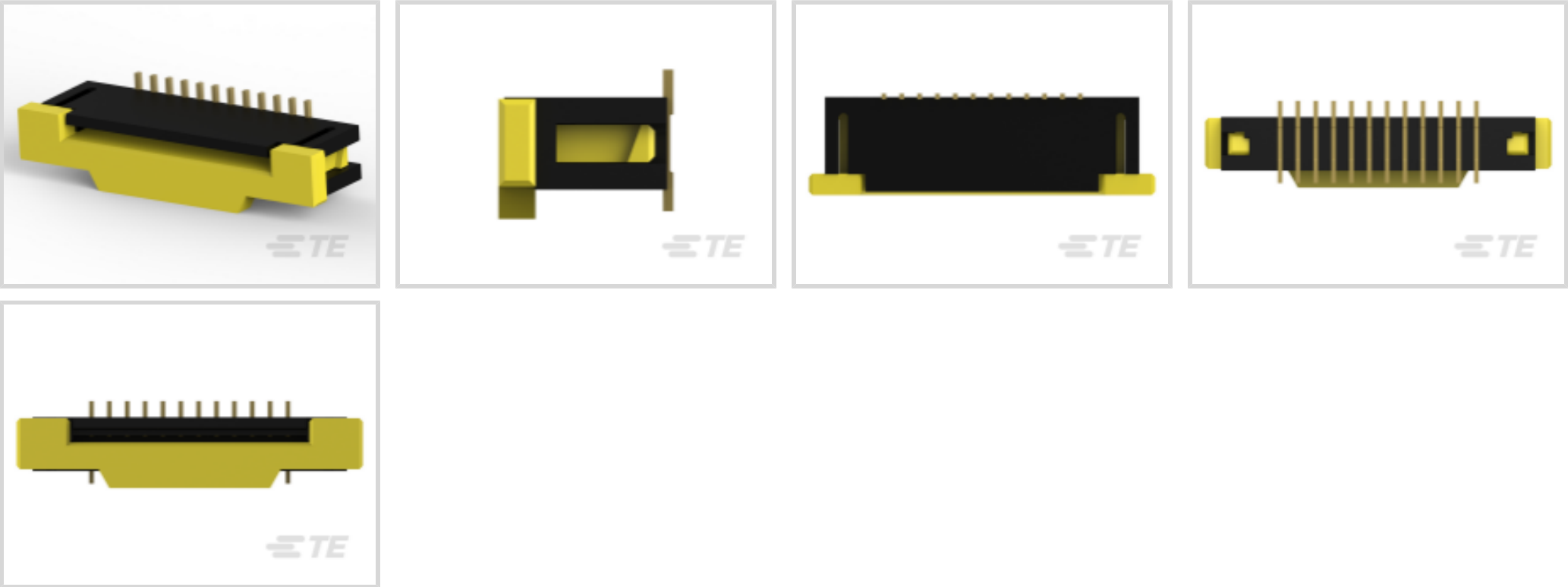
TE Internal #: 1-1734248-2

FPC Connectors, Flex-to-Board, 12 Position, .039 in [1 mm]

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



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

Number of Positions: **12**

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)
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 VDC
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Body Features



Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Thickness	.025 µm[1 µin]
Contact Layout	Inline
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
Connector Mounting Type	Board Mount
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

Housing Material	PA 9T
Centerline (Pitch)	1 mm[.039 in]

Dimensions

Connector Length	19.4 mm[.764 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	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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-84952-2
1MM FPC HORZ.BTTM CONT.ASS.12P



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

Customers Also Bought



TE Part # 5747714-2
37 RCPT ACT PIN/MS MED INSRT



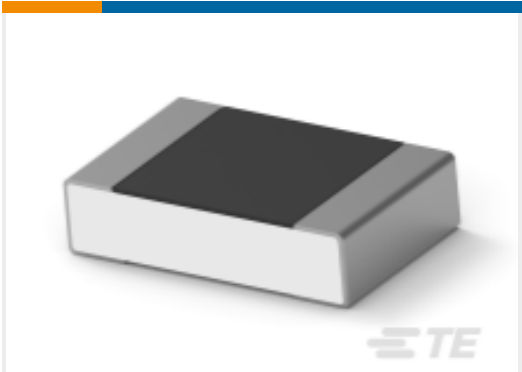
TE Part # 5747141-2
15 RCPT ACT PIN/MS MED INSRT



TE Part # 1-292303-6
Std USB Type A, R/A, SMT, Offset



TE Part # 2176328-7
CRGP 1206 33R 1%



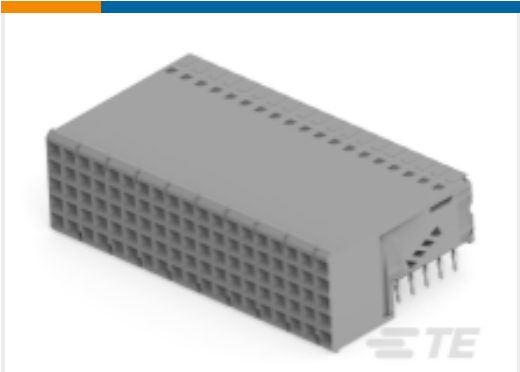
TE Part # 1-2176378-8
RQ 0805 15R 0.1% 10PPM 5K RL



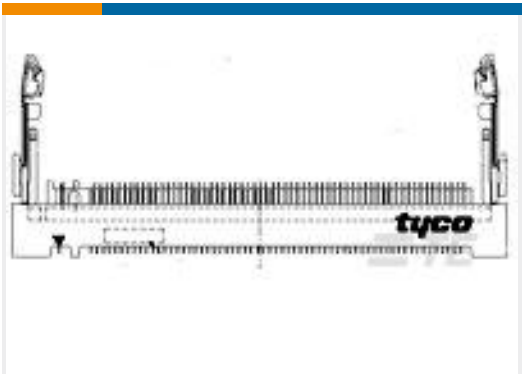
TE Part # 171809-1
POSITIVE LOCK (PL) HOUSING



TE Part # 225859-E
POWELM BUCHSE * M6 6,5 ** SMD 11,5 SN *



TE Part # 2392852-1
Z-PACK/B19 RAF 95P EON



TE Part # 440360-2
.8MM FAX MODEM SOCKET 124P, 7.95H

Documents

Product Drawings
1.0 FPC, ZIF V/T, SMT, 12P
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-1734248-2_E_c-1-1734248-2-e.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-1734248-2_E_c-1-1734248-2-e.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1734248-2_E_c-1-1734248-2-e.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

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

FPC Connector Family

English

[5-1773461-0_Standard_FPC_Connector_Quick_Reference_Guide](#)

English

Product Specifications

[Product Specification](#)

English