1-1734592-6 ✔ ACTIVE

FPC

TE Internal #: 1-1734592-6

.5 mm [.02 in] Centerline, Zero Insertion Force (ZIF), Right Angle, Surface Mount, Stuffer Actuator, Gold Flash, 16 Position, FPC Connectors

View on TE.com >

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



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

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

PCB Mount Orientation: **Right Angle**

Contact Mating Location: **Bottom**

Termination Method to PCB: **Surface Mount**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector Product Type	Connector Assembly
Connector System	Flex-to-Board
Connector & Contact Terminates To	Flexible Printed Circuit (FPC)
FPC Actuator Type	Stuffer

Configuration Features

Compatible With Wire & Cable Type	FFC, FPC
Number of Rows	1
PCB Mount Orientation	Right Angle
Number of Positions	16

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Thickness	.025 µm[100 µin]
Contact Layout	Inline
Contact Type	Socket

Contact Mating Area Plating Material Thickness	.025 µm[100 µin]
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A
Contact Mating Location	Bottom
Contact Mating Area Plating Material	Gold Flash

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Retention Type	Zero Insertion Force (ZIF)

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	.5 mm[.02 in]

Dimensions

Connector Length	13.43 mm[.529 in]
Accepts Flex Cable Thickness	.3 mm[.012 in]
Connector Height	2.05 mm[.08 in]
Connector Width	5.1 mm[.2 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Signal

Identification Marking

Circuit Identification Feature	Without

Packaging Features

Packaging Quantity	2000
Packaging Method	Tape

Product Compliance

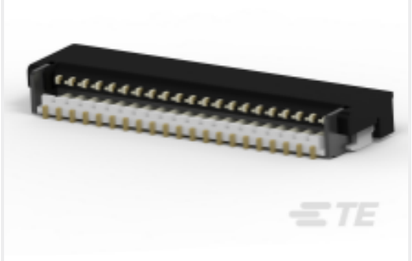
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) 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 # 1-2040832-6
EMBOSS TAPING 0.25FPC BF-L-1.3

Customers Also Bought

.5 mm [.02 in] Centerline, Zero Insertion Force (ZIF), Right Angle, Surface Mount, Stuffer Actuator, Gold Flash, 16 Position, FPC Connectors



TE Part #1420000-1
32POS MQS REC



TE Part #1658686-2
SOCKET CONT, 22-28 AWG, DF 22, AMPLIMITE



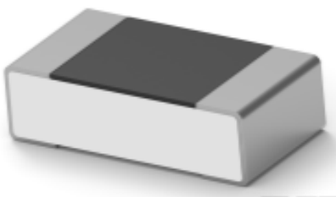
TE Part #292303-1
Std USB Type A, R/A, T/H



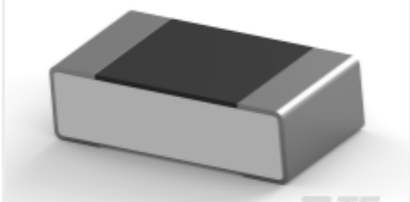
TE Part #1-2176325-4
CRGP 0402 120R 1%



TE Part #2329383-4
PB OFF/ON FC GRE M1 TERM. IP68



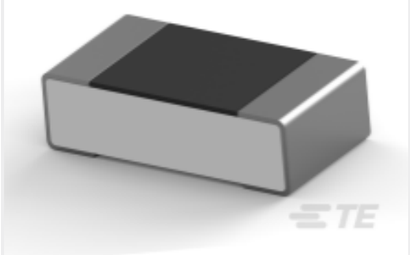
TE Part #5-2176371-6
RQ 0603 17K4 0.1% 10PPM 5K RL



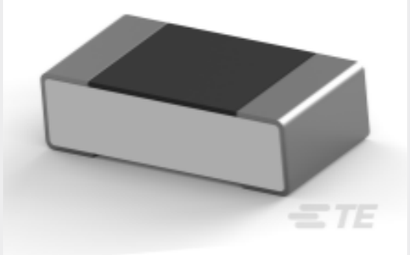
TE Part #7-2176370-5
RQ 0603 2K55 0.1% 10PPM 5K RL



TE Part #2357787-3
16G,05FH,plug,220P,5H,emboss, W/ CAP



TE Part #6-2176367-5
RQ 0603 21K5 0.1% 10PPM 1K RL



TE Part #1-2176367-9
RQ 0603 7K15 0.1% 10PPM 1K RL

Documents

Product Drawings

FPC CONN. 0.5MM PITCH B/C, 16P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1734592-6_C_c-1-1734592-6-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1734592-6_C_c-1-1734592-6-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1734592-6_C_c-1-1734592-6-c.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

1-1773959-7-FPC-Connectors-CN

English

Product Specifications

Product Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

3430B2F51RTDF 3631B101LL 936348-1 RH73H2A40MKTN SBCHE64R7K SMW73R0JT 1-794222-0
1969656-1 2834055-1 650075-000 SBCHE154R7K 2005330-1 CRGCQ2010J3K3 141991-2 2-292161-3
3-1393225-0 MPT100C18RF TE50BR39J 1-962915-1 917696-1 1393431-1 1743455-2 2310537-1
2377783-2 CPF0402B37K4E1 1903112-2 2380312-2 ROX05SJ18R U5254-000005-030PA 175977-2