



FPC

TE Internal #: 1-84981-6

FPC Connectors, Flex-to-Board, 16 Position, 1mm [.039in]

Centerline, Non-ZIF, Right Angle, Surface Mount, Connector

Height 3 mm [.118 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: **16**

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

Insertion Force Type: **Non-ZIF**

PCB Mount Orientation: **Right Angle**

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	16
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	125 VAC
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Contact Features

Contact Layout	Inline
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 Location	Top
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	1 A

Termination Features

Termination Post & Tail Length	.7 mm[.028 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	19 mm[.748 in]
Connector Height	3 mm[.118 in]
Connector Width	6.3 mm[.248 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	1500
Packaging Method	Tape

Product Compliance

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

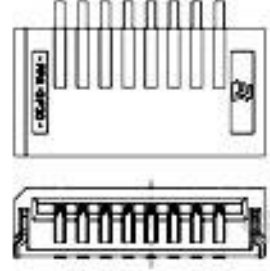
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Not Yet Reviewed
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 # 1-1735360-6

1mm FFC SMT H BOTTOM

CONTACT ASSY, 16P

Customers Also Bought



TE Part #1-770743-1

10P MINI UMNL HDR ASSY VRT LF



TE Part #1-770968-1

04P MINI UMNL R/A HDR ASSY LF



TE Part #1-794065-1

08P MINI UMNL HDR W/DH AU LF



TE Part #1-2176056-2

RLP73M 2B R030 5% 5K RL



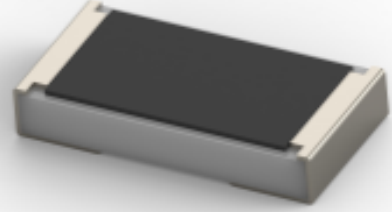
TE Part #DT13-6P

DEUTSCH DT HEADERS



TE Part #1-1461116-5

STD OEG PCB OSA Power Relays



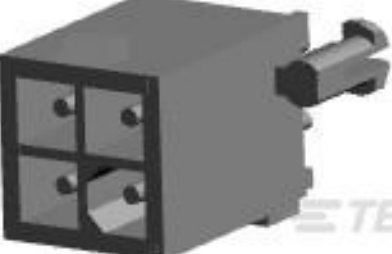
TE Part #1-2176230-0

SMD Power Resistor: 3 Watt, 1% Tol



TE Part #1-770178-1

06P MINI UMNL ASSY VO SNAU LF



TE Part #1-770174-1

04P MINI UMNL ASSY VO SNAU LF



TE Part #1-770166-1

02P MINI UMNL ASSY VO SNAU LF

Documents

Product Drawings

1MM FFC SMT H ASSY 16P EMBOSS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-84981-6_J.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-84981-6_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-84981-6_J.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

[5-1773461-0_Standard_FPC_Connector_Quick_Reference_Guide](#)

English

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

Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English