6-520314-6 ✔ ACTIVE

TRIO-MATE

TE Internal #: 6-520314-6

Connector Assembly, Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, 1 Row, Right Angle, Socket, Tray, TRIO-MATE, FFC Connectors

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



FFC Connector Product Type: **Connector Assembly**

Connector System: **Wire-to-Board**

Number of Positions: **16**

Centerline (Pitch): **2.54 mm [.1 in]**

Number of Rows: **1**

Features

Product Type Features

FFC Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Insertion Force Type	Low Insertion Force (LIF)
Connector & Contact Terminates To	Printed Circuit Board
Connector & Housing Type	Receptacle

Configuration Features

Number of Positions	16
Number of Rows	1
PCB Mount Orientation	Right Angle

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
FFC Cable Entry	Right Angle
Housing Material	Thermoplastic

Contact Features

Contact Type	Socket
Contact Current Rating (Max)	1 A
Contact Mating Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze

Contact Mating Area Plating Material Finish	Matte

Packaging Features

Packaging Method	Tray
Packaging Quantity	480

Mechanical Attachment

Mating Retention	Without
Mating Alignment	With
Panel Mount Feature	Without
Connector Mounting Type	Board Mount
Mating Alignment Type	Polarization
PCB Mount Retention Type	Z Bend
PCB Mount Retention	With

Body Features

Primary Product Color	Black

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	1400 VAC

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	2.54 mm[.1 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Product Compliance

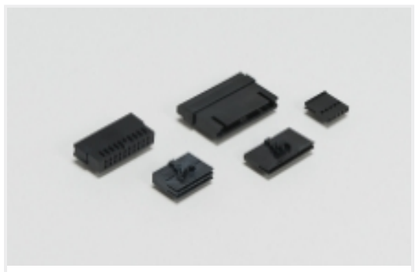
For compliance documentation, visit the product page on TE.com>

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 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

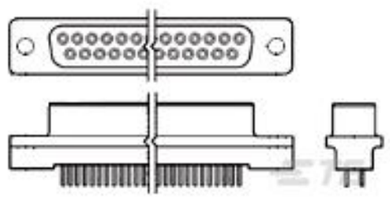
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

Also in the Series | TRIO-MATE



FFC Connectors(66)

Customers Also Bought



TE Part #5207826-3
HD-20 RCPT 9P VERT



TE Part #644211-5
17P MTA100 HDR ASSY F/L W/O#15



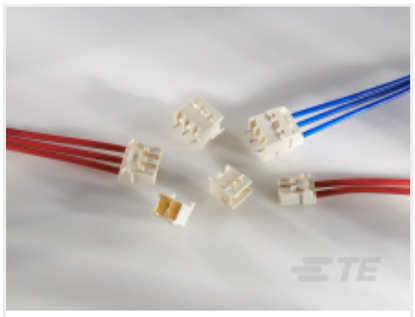
TE Part #794617-6
6POS,MICRO MNL,RCPT HSG



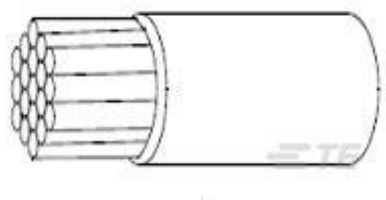
TE Part #794606-1
MICRO MNL RPT CNT STRIP 20-24



TE Part #3-794630-6
06P MICRO MNL ASSY VRT HDR LF



TE Part #3-2232876-1
GIC6.0MM CONNECTOR HEAD HOUSING ASS 3POS



TE Part #216026-007
55A0111-24-9



TE Part #2-1419129-9
OJ-SS-124DM,000



TE Part #FTRA6171M5PW-001
OMNI,Ph,PMT,617-7125MHz

Documents

Product Drawings

TRIOMATE ASSY H 16P L=2.54LDFR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-520314-6_Y.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-520314-6_Y.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-520314-6_Y.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Trio-Mate Flat Flexible Discrete Circuit .100 Connectors

English

Application Specification

Japanese

Application Specification

English