



TRIO-MATE

TE Internal #: 5-520314-6
Connector Assembly, Wire-to-Board, 6 Position, 2.54 mm [.1 in]
Centerline, 1 Row, Right Angle, Socket, Tray, TRIO-MATE, FFC
Connectors

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FFC Connector Product Type: **Connector Assembly**
Connector System: **Wire-to-Board**
Number of Positions: **6**
Centerline (Pitch): **2.54 mm [.1 in]**
Number of Rows: **1**

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

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

Electrical Characteristics

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

Dimensions

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

Circuit Application	Signal
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Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention Type	Z Bend
PCB Mount Retention	With
Mating Retention	Without
Mating Alignment	With



Panel Mount Feature	Without
Connector Mounting Type	Board Mount
Packaging Features	
Packaging Quantity	240
Packaging Method	Tray
Contact Features	
Contact Mating Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Finish	Matte
Contact Type	Socket
Contact Current Rating (Max)	1 A
Housing Features	
Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]
FFC Cable Entry	Right Angle
Product Type Features	
Connector & Contact Terminates To	Printed Circuit Board
Connector & Housing Type	Receptacle
FFC Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Insertion Force Type	Low Insertion Force (LIF)
Configuration Features	
Number of Positions	6
Number of Rows	1
PCB Mount Orientation	Right Angle
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

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: JUL 2021 (219) 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



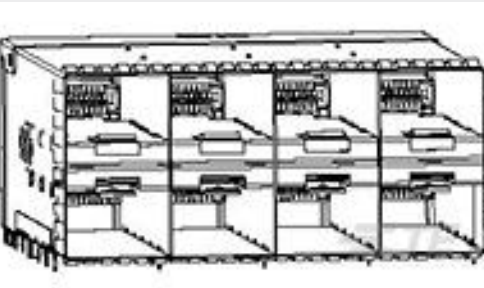
Customers Also Bought



TE Part #5554923-1
RCPT ASSY, R/TANG SHLD, 24 POS



TE Part #5100147-1
Z-PACK/A RAF 110P



TE Part #1-2180324-9
zSFP+ STACKED 2X4 RECEPTACLE ASSEMBLY



TE Part #6469169-1
HMZD 2PR RA HDR 40P



TE Part #6469083-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #6469048-1
HMZD 4PR RA HDR 80P ASSY LF



TE Part #6469025-1
HM-ZD 2PR HDR 40P 2.5MM



TE Part #6648224-1
PIN CONTACT#4, SCREW MT, PRESS FIT



TE Part #2300275-1
zSFP+ 1x4 Cage Assembly, Press-Fit



TE Part #5-103958-3
5X4 MTE RCPT SR LATCH .100CL

Documents

Product Drawings

TRIOMATE ASSY H 6P L=2.54 LDFR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-520314-6_Y.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-520314-6_Y.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-520314-6_Y.3d_stp.zip

English

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Product Specifications



Trio-Mate Flat Flexible Discrete Circuit .100 Connectors

English

Application Specification

Japanese

Application Specification

English