5-520314-2 - ACTIVE

#### **TRIO-MATE**

TE Internal #: 5-520314-2 Connector Assembly, Wire-to-Board, 2 Position, 2.54 mm [.1 in] Centerline, 1 Row, Right Angle, Socket, Tray, TRIO-MATE, FFC Connectors

#### View on TE.com >





### FFC Connector Product Type: Connector Assembly

Connector System: Wire-to-Board

Number of Positions: 2

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

Number of Rows: 1

#### Features

#### Product Type Features

Connector & Contact Terminates To

Connector & Housing Type

FFC Connector Product Type

Printed Circuit Board

Receptacle

Connector Assembly



Connector System	Wire-to-Board
Insertion Force Type	Low Insertion Force (LIF)
Configuration Features	
Number of Positions	2
Number of Rows	1
PCB Mount Orientation	Right Angle
Electrical Characteristics	
Operating Voltage	250 VAC
Insulation Resistance	5000 ΜΩ
Dielectric Withstanding Voltage (Max)	1400 VAC
Body Features	
Primary Product Color	Black
Contact Features	
Contact Mating Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze

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Contact Mating Area Plating Material Finish	Matte
Contact Type	Socket
Contact Current Rating (Max)	1 A
Termination Features	
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	2.54 mm[.1 in]
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
Housing Features	
Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]
FFC Cable Entry	Right Angle
Dimensions	
PCB Thickness (Recommended)	1.57 mm[.062 in]
Jsage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Signal
ndustry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	1740
Packaging Method	Tray

## Product Compliance

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

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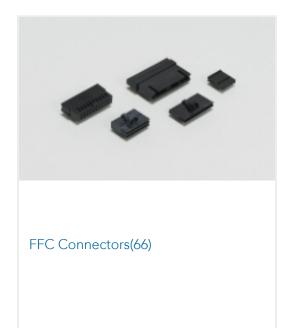


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not 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**



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### Documents

Product Drawings TRIOMATE ASSY H 2P L=2.54 LDFR

English

CAD Files 3D PDF

3D

Customer View Model ENG\_CVM\_CVM\_5-520314-2\_Y.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5-520314-2\_Y.3d\_igs.zip

English

Customer View Model ENG\_CVM\_CVM\_5-520314-2\_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