

7-520355-0 ✓ ACTIVE

## TRIO-MATE

TE Internal #: 7-520355-0

FFC Connectors, Connector Assembly, Wire-to-Board, 20 Position,  
2.54 mm [.1 in] Centerline, 1 Row, Vertical, Socket, Tray, TRIO-MATE

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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: **20**

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

Number of Rows: **1**

### Features

#### Product Type Features

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

#### Configuration Features

Number of Positions	20
Number of Rows	1
PCB Mount Orientation	Vertical

#### Body Features

Primary Product Color	Black
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#### Contact Features

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

#### Termination Features



Termination Post & Tail Length	3.81 mm[.15 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention	Without
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	Vertical

### Dimensions

PCB Thickness (Recommended)	2.36 mm[.093 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	300
Packaging Method	Tray

### 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: JAN 2024  
(240)

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 #936121-1  
4POS MQS TAB



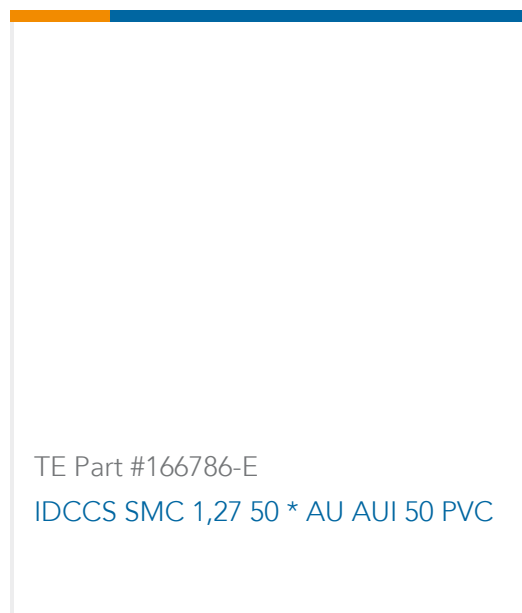
TE Part #353907-1  
CT 1.5MM REC CONT CRIMP TYPE



TE Part #1-794610-2  
MICRO MNL RPT CNT,LS PC 30AU L



TE Part #794617-4  
4POS,MICRO MNL,RCPT HSG



## Documents

### Product Drawings

TRIOMATE ASY V20P L=3.810,LDFR

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_7-520355-0\\_K.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-520355-0\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-520355-0\\_K.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