



TRIO-MATE

TE Internal #: 5-120628-8

Connector Assembly, Wire-to-Board, 8 Position, 2.54 mm [.1 in]

Centerline, 1 Row, Vertical, 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: **8**

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

Number of Rows: **1**

Features

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   | 8        |
| Number of Rows        | 1        |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

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

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|   |              |
|---|--------------|
| PCB Contact Termination Area Plating Material Thickness | 3.8 – 6.4 μm |
| Contact Mating Area Plating Material                    | Tin (Sn)     |



|   |                 |
|---|-----------------|
| Contact Base Material                         | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin             |
| 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 | 3.56 mm[.14 in]       |

Mechanical Attachment

|                          |              |
|--------------------------|--------------|
| PCB Mount Retention Type | Z Bend       |
| Mating Alignment Type    | Polarization |
| Mating Retention Type    | Detent       |
| PCB Mount Retention      | With         |
| Mating Retention         | With         |
| 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) | 1.57 mm[.062 in] |
|-----------------------------|------------------|

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                  |      |
|------------------|------|
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>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

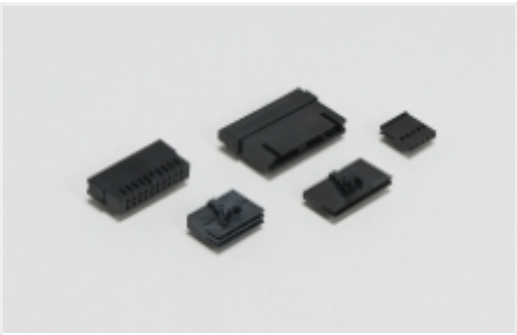
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

Compatible Parts



TE Part # 1734248-8  
1.0 FPC, ZIF V/T, SMT, 8P

Also in the Series | **TRIO-MATE**

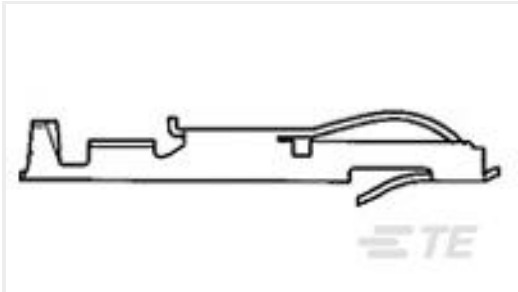


FFC Connectors(66)

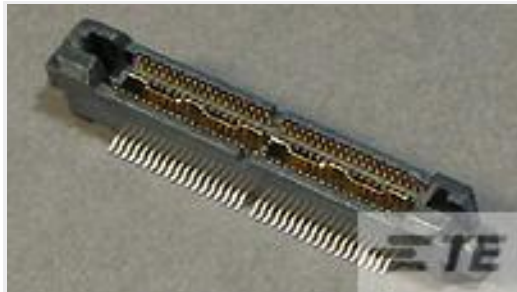
Customers Also Bought



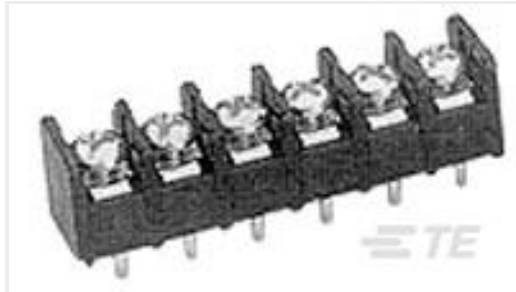
TE Part #5-640440-3  
23P MTA100 CONN ASSY 22AWG RED



TE Part #531477-5  
TWIN LEAF CONTACT LP



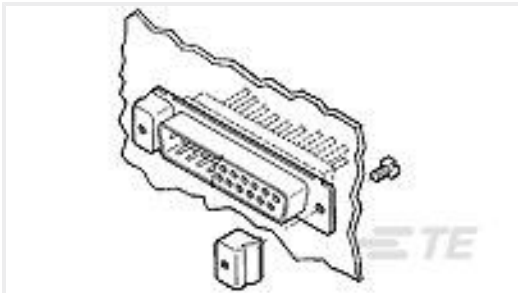
TE Part #5767111-9  
MICT,PLG,076,ASY,.025 TAPE CAP



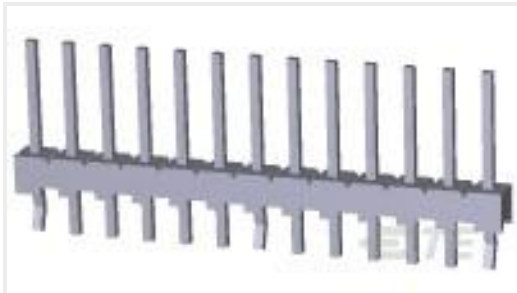
TE Part #1546119-5  
3PCR-02-006=3PCR ASSY



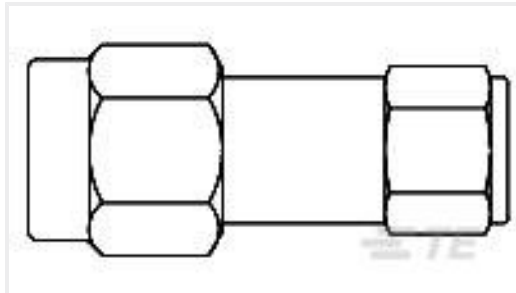
TE Part #5225973-1  
PLUG, RT ANGLE, DUAL CRIMP,BNC



TE Part #1-208101-1  
LATCHING BLOCK KIT



TE Part #4-644695-3  
13P MTA100 STR HDR RETENTIVE



TE Part #1056706-1  
ADAPTER, SMA PLUG TO SMP PLUG



TE Part #4-794625-8  
18P MICRO MNL ASSY,R/A,SMT LF

Documents

Product Drawings

LOCKING TRIOMATE ASY 8P(L)LDFFR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-120628-8\_F.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-120628-8\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-120628-8\\_F.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

Agency Approvals

[Agency Approval Document](#)

English