



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: **12**

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

Number of Rows: **1**

Features

Industry Standards

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

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]
-----------------------------	------------------

Operation/Application

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

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	480
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	12
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: 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

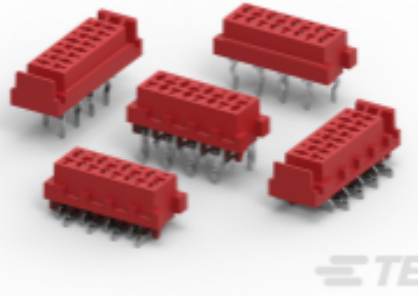
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



Customers Also Bought





TE Part #CAT-M5833-F3492A
Female-on-Board Connector, Top Entry



TE Part #2-1761605-1
IDC LOW PRO HDR 6P RA BLUE



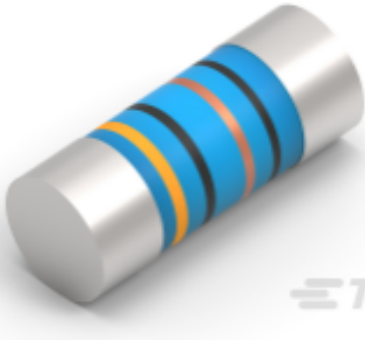
TE Part #4-1614881-4
CPF 0603 22R 0.1% 25PPM 5K RL



TE Part #66102-2
III+ PIN, 24-20, TIN-LEAD, STRIP



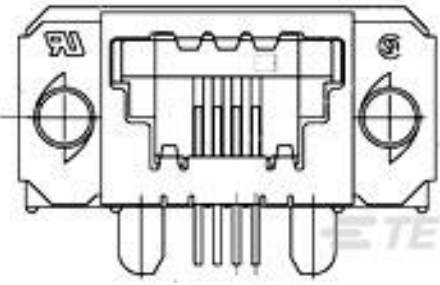
TE Part #3-2176339-2
CRGCQ 0603 3K9 1%



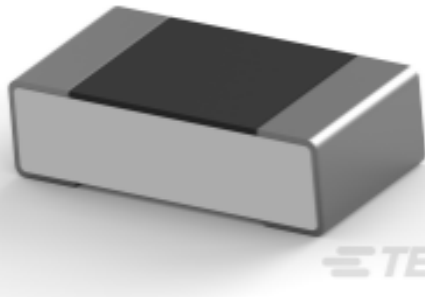
TE Part #6-2176315-6
MELF SMA_A 22K 1% 50PPM 0204 0.4 W



TE Part #2311763-3
AMPL REC, HD22, R/A, 15P, THREADED



TE Part #5-1761185-3
8 SDL SE GRND RCPT ASSY



TE Part #1-2176367-4
RQ 0603 6K34 0.1% 10PPM 1K RL

Documents

Product Drawings
TRIOMATE ASSY H 12P L=2.54LDFR
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_6-520314-2_Y.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_6-520314-2_Y.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_6-520314-2_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