5-103946-9 ✔ ACTIVE

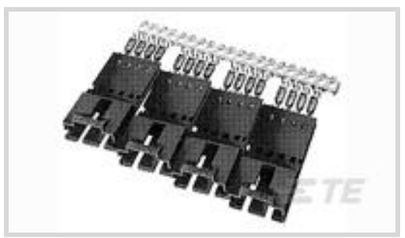
AMPMODU | AMPMODU MTE

TE Internal #: 5-103946-9

Connector Assembly, Plug, Wire-to-Board, 10 Position, .1 in [2.54 mm] Centerline, Crimp / Insulation Displacement (IDC), 1 Row, Black, AMPMODU MTE

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **10**

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

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	10
Number of Rows	1

Electrical Characteristics

Termination Resistance	15 mΩ
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	600 V
Operating Voltage	267 V

Body Features

Primary Product Color	Black

Contact Features

Contact Layout	Inline
Contact Type	Pin

PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp, Insulation Displacement (IDC)

Mechanical Attachment

Strain Relief	With
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Length	5.56 mm[2.19 in]
Connector Height	.66 mm[.26 in]
Wire Size	.12 – .4 mm^2
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	2
Packaging Method	Tube

Other

Discrete Wire Connector Comment	Maximum insulation diameter is 1.14 [.045] for Pneumatic Terminators., Ribbon Cable Notched handles 22-28 AWG

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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 # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 843477-1
TOOL, EXTRACTION RESET



TE Part # 58336-1
HEAD (IDC) MODU MTE W/O TL

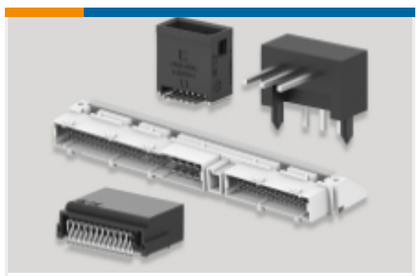
Also in the Series | AMPMODU MTE



Insertion & Extraction Tools(1)



PCB Connector Shrouds(40)



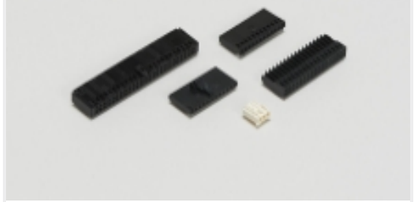
PCB Headers & Receptacles(763)



Ribbon Connector Accessories(1)



Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies & Housings(585)

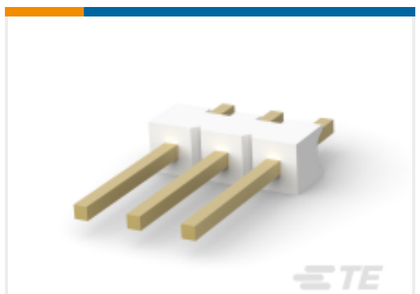


Wire-to-Board Connector Contacts(32)

Customers Also Bought



TE Part #2-487406-2
FFC,RCPT CONTACT,STD PRESSURE



TE Part #3-644456-8
Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100



TE Part #88117-9
FFC PIN CONT 15AU RL



TE Part #6-520415-6
TRIOMATE ASSY V 16P L=2.794

TE Part #6-534237-0
12 MODII VRT SR CE 100/115



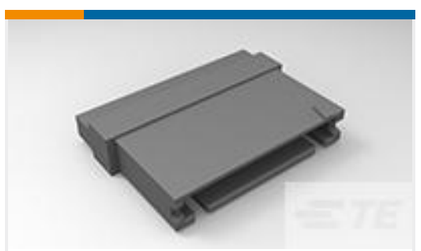
TE Part #826942-4
4P MOD2 STIFT LEI



TE Part #826942-6
6P MOD2 STIFT LEI



TE Part #1-2176339-2
CRGCQ 0603 82R 1%



TE Part #485893-6
008 HOUSING FFC PIN 100CL SR

Documents

Product Drawings

2X10 MTE SHRD PIN SR POL .100

English

CAD Files

Customer View Model

ENG_CVM_5-103946-9_K.3d_igs.zip

English

Customer View Model

ENG_CVM_5-103946-9_K.3d_stp.zip

English

Customer View Model

ENG_CVM_5-103946-9_K.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

AMP MODU MTE Section of Catalog 1307819

English

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

AMPMODU MTE INTERCONNECT SYSTEM

English

Product Specifications

Application Specification

English