

5-103948-1 ✓ ACTIVE

AMPMODU | AMPMODU MTE

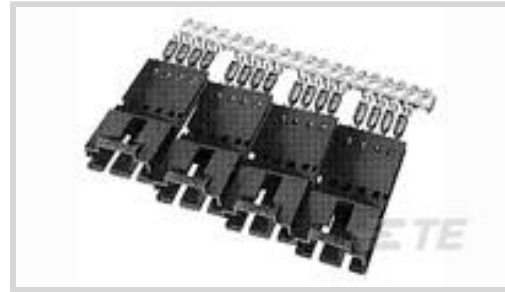
TE Internal #: 5-103948-1

Connector Assembly, Plug, Wire-to-Board, 2 Position, .1 in [2.54 mm] Centerline, Insulation Displacement (IDC), 1 Row, Black, AMPMODU MTE

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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: **2**

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	2
Number of Rows	1

### Electrical Characteristics

Termination Resistance	15 m $\Omega$
Insulation Resistance	5000 M $\Omega$
Dielectric Withstanding Voltage (Max)	600 V
Operating Voltage	267 V

### Body Features

Primary Product Color	Black
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### 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	Insulation Displacement (IDC)
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#### 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

	.26 in
Wire Size	.05 – .15 mm <sup>2</sup>
Row-to-Row Spacing	2.54 mm[.1 in]

#### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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#### Operation/Application

Circuit Application	Signal
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#### 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	72
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
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### 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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

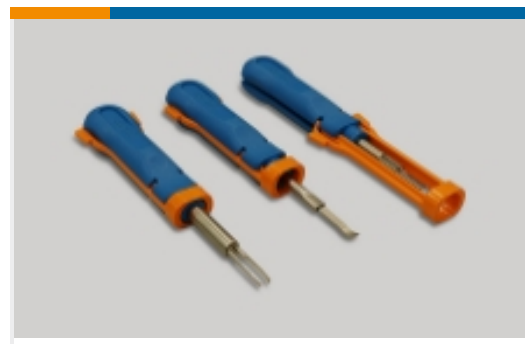
#### Product Compliance Disclaimer

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

 <p>TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME</p>	 <p>TE Part # 843477-1 TOOL, EXTRACTION RESET</p>	 <p>TE Part # 58336-1 HEAD (IDC) MODU MTE W/O TL</p>
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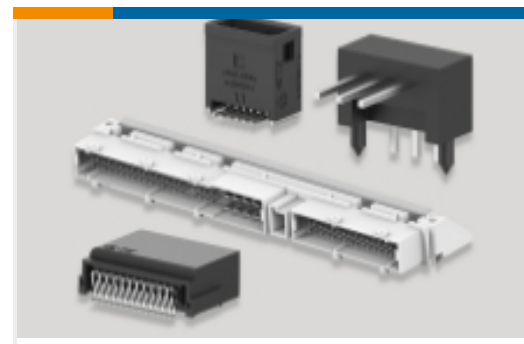
Also in the Series | **AMPMODU MTE**



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 #1658615-4  
09 POS HDF PLUG, AP, LEAD FREE



TE Part #3-643814-5  
05P MTA100 CONN ASSY POL RIB



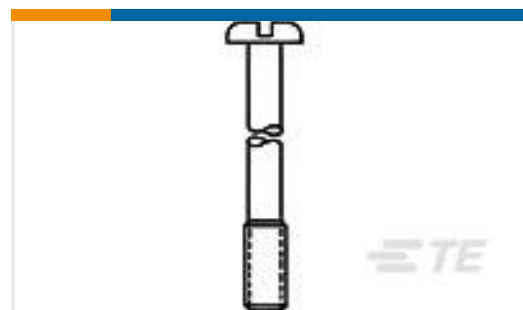
TE Part #5787775-1  
68 .8MM CHAMP OFFSET CBL KIT



TE Part #1-1734839-2  
FPC CONN. 0.5MM PITCH T/C,12P



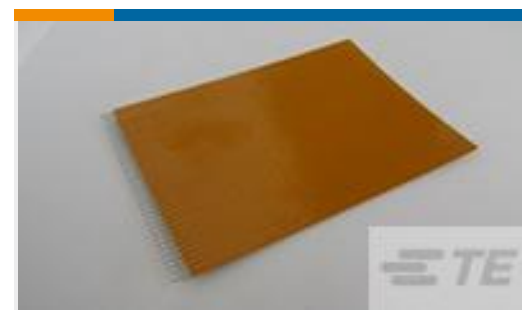
TE Part #5-103639-5  
06 MTE HDR SRST LATCH .100CL



TE Part #5229996-2  
SCREW, PAN HD, CAPTIVE



TE Part #5788362-1  
.8MM CHAMP BACKSHELL KIT



TE Part #2-1474644-5  
FSN-21A-10



TE Part #867156-1  
COMMERCIAL RECEPTACLE KIT



TE Part #A1004AS20T1  
NTC THERMISTOR ASSEMBLY

## Documents



**CAD Files**

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-103948-1\\_M.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-103948-1\\_M.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-103948-1\\_M.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[AMP MODU MTE Section of Catalog 1307819](#)

English

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION5\\_CONT](#)

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[AMPMODU MTE INTERCONNECT SYSTEM](#)

English

**Product Specifications**

[Application Specification](#)

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**Product Environmental Compliance**

[Product Compliance](#)

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[Product Compliance](#)

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