

103688-6 ✓ ACTIVE

AMPMODU | AMPMODU MTE

TE Internal #: 103688-6

Housing, Receptacle, Wire-to-Board, 7 Position, .1 in [2.54 mm]
Centerline, Insulation Displacement (IDC) / Crimp, 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: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **7**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	7
Number of Rows	1

Electrical Characteristics

Insulation Resistance	5000 M Ω
Dielectric Withstanding Voltage (Max)	600 V
Operating Voltage	600 VAC

Body Features

Primary Product Color	Black
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Contact Features

Contact Retention Within Housing	With
Contact Layout	Inline
Contact Type	Socket



Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	3 A
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Termination Features

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

Strain Relief	Without
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Contact Retention Type Within Housing	Locking Lance
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Panel Mount Feature	Without
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PCB Mount Retention	Without
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Mating Retention	Without
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Material	Flame-Retardant Thermoplastic
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Centerline (Pitch)	2.54 mm[.1 in]
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Dimensions

Connector Length	1.77 mm[.698 in]
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Connector Height	2.49 mm[.098 in]
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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
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
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Packaging Method	Package
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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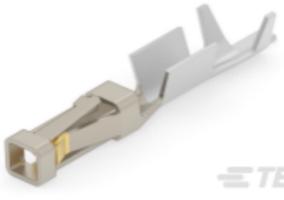


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	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>

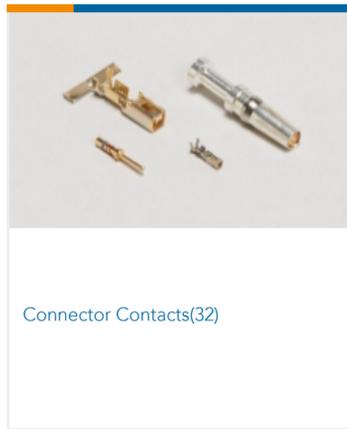
Compatible Parts

 <p>TE Part # 1-104479-0 SHORT POINT CONT 30 DPLX STMPD LF</p>	 <p>TE Part # 104479-9 SHORT POINT CONT 15 DPLX STMPD LF</p>	 <p>TE Part # 1-104480-3 SHORT POINT CONT 30 DPLX STMPD LF</p>	 <p>TE Part # 104479-8 SHORT POINT CONT PLTD SN</p>
 <p>TE Part # 1-104480-2 SHORT POINT CONT 15 DPLX STMPD LF</p>	 <p>TE Part # 1-104481-1 SHORT POINT CONT 30 DPLX STMPD LF</p>	 <p>TE Part # 1-104481-0 SHORT POINT CONT 15 DPLX STMPD LF</p>	

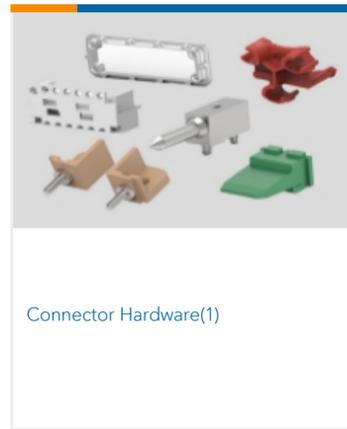
Also in the Series | [AMPMODU MTE](#)



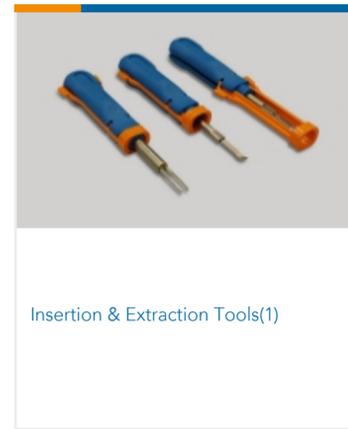
Connector Caps & Covers(40)



Connector Contacts(32)



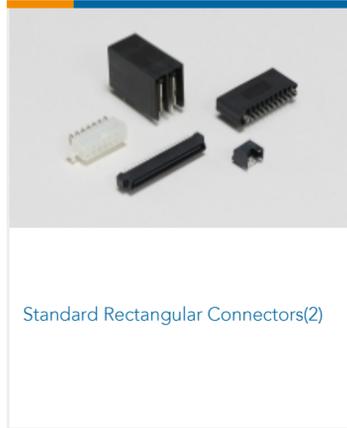
Connector Hardware(1)



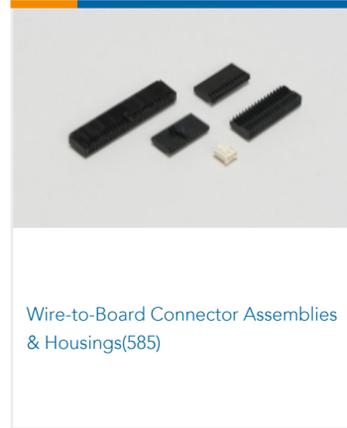
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(763)



Standard Rectangular Connectors(2)



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

Customers Also Bought



TE Part # 745530-1
9 POS COVER KIT



TE Part # 87523-6
MOD IV RECP LP



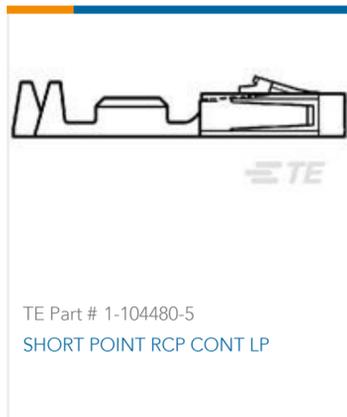
TE Part # 3-640429-3
03P MTA156 CONN ASSY 24AWG WHT



TE Part # 3-640426-3
03P MTA156 CONN ASSY 18AWG ORA



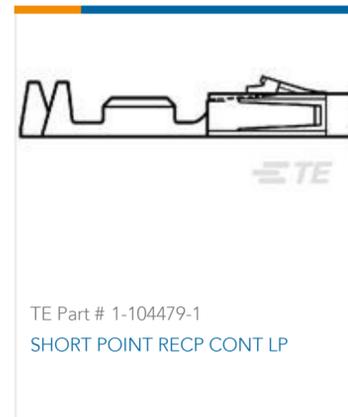
TE Part # 3-640428-3
03P MTA156 CONN ASSY 22AWG RED



TE Part # 1-104480-5
SHORT POINT RCP CONT LP



TE Part # 1571983-4
GDH04504=DIP SWITCH



TE Part # 1-104479-1
SHORT POINT RECP CONT LP



TE Part # K1002924
Toggle Switch 08-2-1-14



TE Part # CONUFL001-SMD-T
U,FL/MHF1 Jack 50 Ohm PCB Surface Mount

Documents



Product Drawings

[07 MTE RCPT HSG SR PLAIN .100](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_103688-6_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_103688-6_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_103688-6_K.3d_stp.zip](#)

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