103977-4 ✔ ACTIVE

AMPMODU | AMPMODU MTE

TE Internal #: 103977-4

Connector Assembly, Receptacle, Wire-to-Board, 5 Position, 2.54 mm [.1 in] Centerline, Crimp / Insulation Displacement (IDC), 1 Row, 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: **Receptacle**

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

Number of Positions: **5**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	5
Number of Rows	1

Electrical Characteristics

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

Contact Features

Contact Layout	Inline
Contact Retention Within Housing	With
Contact Type	Socket

PCB Contact Termination Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin-Lead
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	Without
Contact Retention Type Within Housing	Locking Lance
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Length	50.55 mm[1.99 in]
Connector Height	2.49 mm[.098 in]
Accepts Wire Insulation Diameter Range	1.37 mm[.054 in]
Wire Size	.05 – .15 mm^2

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	44

Packaging Method	Tube

Other

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	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

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

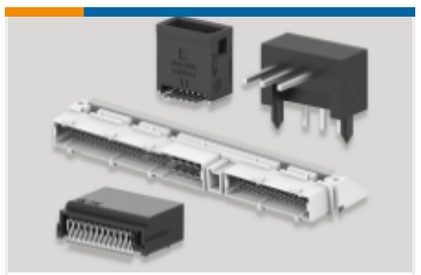
TE Part # 843477-1
TOOL, EXTRACTION RESET

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

Also in the Series | AMPMODU MTE

Insertion & Extraction Tools(2)

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)

Documents

Product Drawings

4X5 MTE RCPT SR PLAIN .100CL

English

Datasheets & Catalog Pages

AMPMODU MTE INTERCONNECT SYSTEM

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English