

5-103974-7 ✓ ACTIVE

AMPMODU | AMPMODU MTE

TE Internal #: 5-103974-7

Connector Assembly, Receptacle, Wire-to-Board, 8 Position, .1 in [2.54 mm] Centerline, Crimp / Insulation Displacement (IDC), 1 Row, 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: **Receptacle**

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

Number of Positions: **8**

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	8
Number of Rows	1

### Electrical Characteristics

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

### Body Features

Primary Product Color	Black
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### Contact Features

Contact Retention Within Housing	With
Contact Layout	Inline
Contact Type	Socket



PCB Contact Termination Area Plating Material Finish	Matte
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PCB Contact Termination Area Plating Material	Tin
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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	Thermoplastic
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Centerline (Pitch)	2.54 mm[.1 in]
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### Dimensions

Connector Length	40.64 mm[1.6 in]
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Connector Height	2.49 mm[.098 in]
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Compatible Insulation Diameter Range	1.37 mm[.054 in]
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Wire Size	.12 – .4 mm <sup>2</sup>
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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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Approved Standards	CSA LR7189, UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	26
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Packaging Method	Tube
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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: JAN 2021 (211) 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

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	TE Part # 487378-6 007 HOUSING FFC RCPT 100CL SR
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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)	

### Customers Also Bought

TE Part #1-1623793-7 SQP5 270R 5% MTL FLM	TE Part #5-146281-6 06 MODII HDR SRST B/A .100CL	TE Part #5-103970-1 10X2 MTE RCPT SR RIBBED .100CL	TE Part #5-103976-3 5X4 MTE RCPT SR PLAIN .100CL
TE Part #6-534237-6 18 MODII VRT SR CE 100/115	TE Part #6-103975-1 2X12 MTE RCPT SR PLAIN .100CL	TE Part #60874-1 .058 PCB PIN PTPPHBZ	TE Part #6-146277-0 10 MODII HDR SRST B/A .100CL
TE Part #58382-1 TOOL, DISENGAGEMENT			

### Documents



### Product Drawings

[2X8 MTE RCPT SR PLAIN .100CL](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-103974-7\\_M.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-103974-7\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-103974-7\\_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](#)

English

[AMPMODU MTE INTERCONNECT SYSTEM](#)

English

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### Product Specifications

[Application Specification](#)

English