

AMPMODU | AMPMODU MTE

TE Internal #: 103945-7

Connector Assembly, Plug, Wire-to-Board, 8 Position, .1 in [2.54 mm] Centerline, Crimp / 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: 8

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	8
Number of Rows	1

Electrical Characteristics

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

Body Features

Primary Product Color Black

Contact Features

Contact Layout	Inline
Contact Type	Pin



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 4.55 mm[1.79 in] Connector Height 66 mm (26 in) Wire Size 12 – 4 mm² Row-to-Row Spacing 12.54 mm), 1 in] Usage Conditions Operating Temperature Range 65 105 °C(85 221 °F) Operation/Application Circuit Application Circuit Application Standards Glow Wire Rating Standards Ul Hammability Rating Ul 94V-0 Packaging Features Packaging Guantity 2		
Contact Current Rating (Max) Contact Current Rating (Max) Termination Features Termination Method to Wire & Cable Mechanical Attachment Strain Rollet Panel Mount Feature Without BCB Mount Retention Mating Retention Type Latch Mating Retention Type Latch Multip Retention Multip Retention Connector Mounting Type Cable Mount (Free Hanging) Housing Features I lousing Material Centerline (Pitch) Dimensions Connector Length Connector Height Mire Size 12 – 4 mm² Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Circuit Application	PCB Contact Termination Area Plating Material Finish	Bright
Contact Current Rating (Max) 3 A Termination Features Crimp, Insulation Displacement (IDC) Mechanical Attachment Without Strain Relief Without Panel Mount Feature Without PCB Mount Retention Without Making Retention Type Latch Making Retention With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material Housing Material Inhermoplastic Centerline (Pitch) 2.54 mm(1 inj Dimensions Connector Leight Connector Leight 4.55 mm(1.79 inj Connector Height 66 mm(26 in) Wire Size 12 - 4 mm² Row to Row Spacing 2.54 mm(1 inj Usage Conditions Usage Conditions Operating Temperature Range -65 - 105 °CL-85 - 221 °F] Operating Temperature Range -65 - 105 °CL-85 - 221 °F] Operating Standards Signal Industry Standards CSA LR/189, UL E28476 UL Hammability Rating UL 94V-0 Packaging Ouanti	PCB Contact Termination Area Plating Material	Tin-Lead
Termination Features Termination Method to Wire & Cable Mechanical Attachment Strain Relief Panel Mount Feature PCR Mount Retention Mating Retention Type Latch Mating Retention Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Dimensions Connector Height Connector Height As 5 mm[1.79 in] Connector Height As 6 mm[26 in] Wire Size As 7 d mm² Row-to-Row Spacing Usege Conditions Operating I emperature Range Operating I emperature Range Approved Standards Glow Wire Rating Approved Standards Uselang Features Packaging Countity At 5 mm (2 mm) Standard Part Not Glow Wire CSALR/189, UL 12847/6 UL Palvagog Condition CICAL Palvagog Cond	Contact Base Material	Phosphor Bronze
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 4.55 mm[1.79 in] Connector Height 66 mm (26 in) Wire Size 12 – 4 mm² Row-to-Row Spacing 12.54 mm), 1 in] Usage Conditions Operating Temperature Range 65 105 °C(85 221 °F) Operation/Application Circuit Application Circuit Application Standards Glow Wire Rating Standards Ul Hammability Rating Ul 94V-0 Packaging Features Packaging Guantity 2	Contact Current Rating (Max)	3 A
Mechanical Attachment Strain Relief Without Panel 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 4.55 mm[1.79 in] Connector Height 66 mm[.26 in] Wire Size .12 – 4 mm? Row-to-Row Spacing 2.54 mm[.1 in] Usage Conditions Operating Temperature Range 45 – 105 °C[-85 – 221 °F] Operation/Application Circuit Application Signal Industry Standards Glow Wire Rating Approved Standards UL Hammability Rating UL 94V-0 Packaging Peatures Packaging Quantity 2 standards Packaging Quantity 2 standards Packaging Quantity 2 standards Packaging Quantity 2 standards	Termination Features	
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Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Dimensions Connector Length Connector Height Connector Height Mire Size 1.24 mm² Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Circuit Application Signal Industry Standards Glow Wire Rating Approved Standards UL Flammability Rating Packaging Features Packaging Quantity Cable Mount (Free-Hanging) Thermoplastic Approved Standards Cable Mount (Free-Hanging) Thermoplastic Approved Standards Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Approved Standards Cable Mount (Free-Hanging) Approved Standards Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Approved Standards Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Approved Standards Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Approved Standard Part - Not Glow Wire Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Approved Standard Part - Not Glow Wire Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Approved Standard Part - Not Glow Wire Cable Mount (Free Hanging) Cable Mount (Free Hanging) Approved Standard Part - Not Glow Wire Cable Mount (Free Hanging) Cable Mount (Free Hanging) Approved Standard Part - Not Glow Wire Cable Mount (Free Hanging) Cable Mount (Free Hanging) Cable Mount (Free Hanging) Approved Standard Part - Not Glow Wire Cable Mount (Free Hanging) Cable Mount (Free Hanging) Cable Mount (Free Hanging) Approved Standard Part - Not Glow Wire Cable Mount (Free Hanging) Cable Mount (Free Hanging) Cable Mount (Free Hanging) Cable Mount (Free H	Mating Retention Type	Latch
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Connector Length 4.55 mm[1.79 in] Connector Height .66 mm[.26 in] Wire Size .12 – .4 mm² 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 Standards Standard Part - Not Glow Wire Approved Standards CSA LR7189, UL E28476 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 2	Centerline (Pitch)	2.54 mm[.1 in]
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Wire Size	Connector Length	4.55 mm[1.79 in]
Row-to-Row Spacing Usage Conditions Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application Circuit Application Signal Industry Standards Glow Wire Rating Approved Standards UL Flammability Rating Packaging Features Packaging Quantity 2.54 mm[.1 in] 3.54 mm[.1 in] 4.55 malerature 4.55 malerature 4.55 malerature 4.57 malerature	Connector Height	.66 mm[.26 in]
Usage Conditions Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application Circuit Application Signal Industry Standards Glow Wire Rating Standards CSA LR7189, UL E28476 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 2	Wire Size	.12 – .4 mm²
Operating Temperature Range Operation/Application Circuit Application Signal Industry Standards Glow Wire Rating Approved Standards UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity -65 – 105 °C[-85 – 221 °F] Signal Signal UL 94V-0 Standard Part - Not Glow Wire UL 94V-0 Packaging Guantity 2	Row-to-Row Spacing	2.54 mm[.1 in]
Operation/Application Circuit Application Signal Industry Standards Glow Wire Rating Approved Standards UL Flammability Rating VL Packaging Features Packaging Quantity Signal Standard Part - Not Glow Wire CSA LR7189, UL E28476 UL 94V-0 2	Usage Conditions	
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Approved Standards UL Flammability Rating Packaging Features Packaging Quantity CSA LR7189, UL E28476 UL 94V-0 2	Industry Standards	
UL Flammability Rating Packaging Features Packaging Quantity 2	Glow Wire Rating	Standard Part - Not Glow Wire
Packaging Features Packaging Quantity 2	Approved Standards	CSA LR7189, UL E28476
Packaging Quantity 2	UL Flammability Rating	UL 94V-0
	Packaging Features	
Packaging Method Tube	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	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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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	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





FRAME





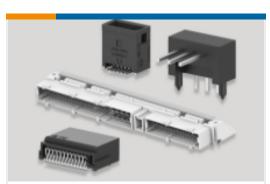
Also in the Series | AMPMODU MTE







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















Documents

Product Drawings

2X8 MTE SHRD PIN SR LATCH .100

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_103945-7_R.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_103945-7_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_103945-7_R.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPMODU MTE INTERCONNECT SYSTEM

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English