

1-103635-5 ✓ ACTIVE

AMPMODU | AMPMODU MTE

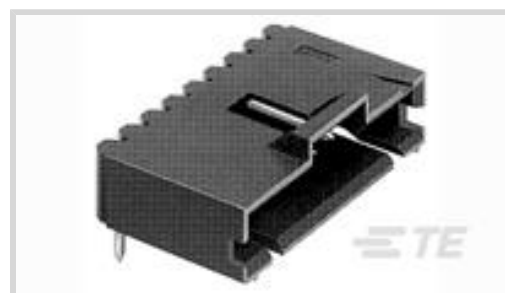
TE Internal #: 1-103635-5

AMPMODU MTE, PCB Mount Header, Right Angle, Wire-to-Board, 16 Position, 2.54mm [.1in] Centerline, 1 Row, Gold, Black Housing Color, Shrouded

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **16**

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

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	16
Number of Rows	1

Electrical Characteristics

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

Contact Features

Contact Mating Area Length	5.84 mm[.23 in]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]



PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.381 μm [15 μin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.3 mm[.13 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Latched
Mating Alignment	With
Mating Retention Type	Polarized Lock
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Length	43.18 mm[1.7 in]
Connector Height	6.99 mm[.275 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Operating Temperature Range	-65 – 105 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$]
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Operation/Application



Circuit Application

Signal

Industry Standards

Approved Standards

CSA LR7189, UL E28476

UL Flammability Rating

UL 94V-0

CSA Certified

Yes

CSA File Number

LR7189

Packaging Features

Packaging Quantity

12

Packaging Method

Tube, Tube/Box

Other

Comment

Use Keying Tool No. 91417-1 to remove post for keying.

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

Not Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUN 2020 (209)
 Candidate List Declared Against: JAN 2020 (205)
 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

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

Solder Process Capability

Reflow solder capable to 260°C

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 Model / Part # CAT-F439-R2435254
2.54mm FFC Connectors Receptacle Housing



TE Model / Part # 1-103640-5
16 MTE RCPT SR LATCH .100CL



TE Model / Part # 1-103644-5
16 MTE RCPT SR LATCH .100CL

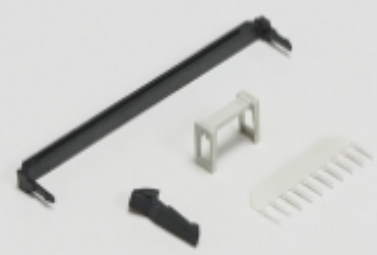


TE Model / Part # 91417-1
TOOL, KEYING (AMPMODU MTE)


Also in the Series | AMPMODU MTE




PCB Connector Shrouds(40)




Ribbon Connector Accessories(1)



Standard Rectangular Connectors(1)



Wire-to-Board Connector Assemblies & Housings(589)



Wire-to-Board Connector Contacts(32)



Wire-to-Board Headers & Receptacles (738)

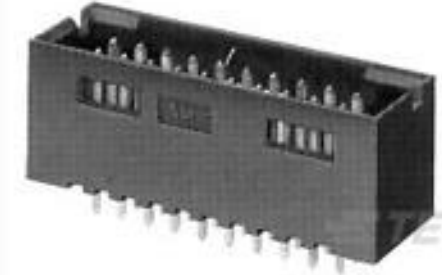
Customers Also Bought



TE Model / Part #213827-2
CPC RCPT ASSY SIZE 23-19



TE Model / Part #2-1445087-8
MICRO MNL HDR ASSY S/ROW AU LF



TE Model / Part #6-103169-4
32 MODII HDR DRST SHRD .100CL



TE Model / Part #6-104809-1
12 MTE HDR SRST LATCH W/HLDWN



TE Model / Part #747142-2
15 RCPT ACT PIN/MS MED SCRLK



TE Model / Part #147279-3
14 MODII HDR DR SFMT B/A T&R



TE Model / Part #2-1445091-7
MICRO MNL HDR ASSY S/ROW AU LF



TE Model / Part #2-1445087-9
MICRO MNL HDR ASSY S/ROW AU LF



TE Model / Part #104809-2
03 MTE HDR SRST LATCH W/HLDWN



TE Model / Part #147324-1
02 MTE HDR SRRA SMT.100CL

Documents

Product Drawings

[16 MTE HDR SRRA LATCH .100CL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-103635-5_T.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-103635-5_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-103635-5_T.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[AMPMODU MTE INTERCONNECT SYSTEM](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_1-103635-5_081920182345_dmtec](#)

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AMPMODU MTE, PCB Mount Header, Right Angle, Wire-to-Board, 16 Position, 2.54 mm [.1in] Centerline, 1 Row, Gold, Black Housing Color, Shrouded



English

[MD_1-103635-5_081920182345_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English