

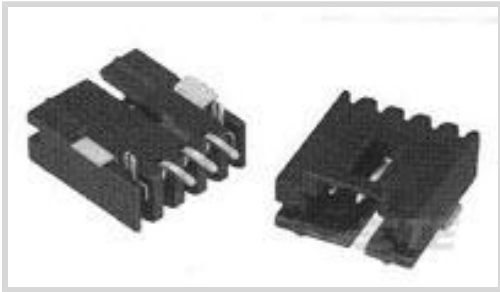
TE Internal #: 147324-7

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

[View on TE.com >](#)



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: **8**

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	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	8
Number of Rows	1

Electrical Characteristics

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

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 – 5.08 μm[100 – 200 μin]



PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 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	3.05 mm[.12 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Latched
Mating Alignment	With
Panel Mount Feature	Without
PCB Mount Retention Type	Hold-Down
Mating Retention Type	Polarized Lock
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Length	25.4 mm[1 in]
Connector Height	6.65 mm[.262 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]



Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal
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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	300
Packaging Method	Tape & Reel

Other

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

For compliance documentation, visit the product page on TE.com>

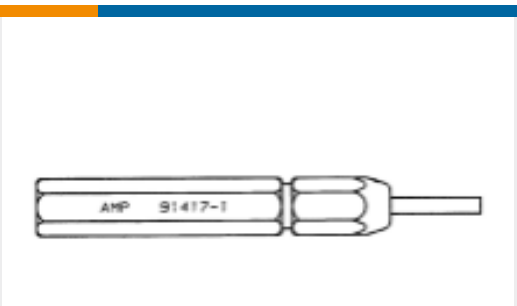
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Pb (40% 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	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 Part # 103956-7 2X8 MTE RCPT SR LATCH .100CL	 TE Part # 103968-7 2X8 MTE RCPT SR RIBBED .100CL	 TE Part # 103959-7 2X8 MTE RCPT SR LATCH .100CL	 TE Part # 91417-1 TOOL, KEYING (AMPMODU MTE)
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Also in the Series | AMPMODU MTE

 Board-to-Board Headers & Receptacles(23)	 Insertion & Extraction Tools(2)	 PCB Connector Shrouds(40)	 Ribbon Connector Accessories(1)
 Standard Rectangular Connectors(2)	 Wire-to-Board Connector Assemblies & Housings(585)	 Wire-to-Board Connector Contacts(32)	 Wire-to-Board Headers & Receptacles (740)

Customers Also Bought

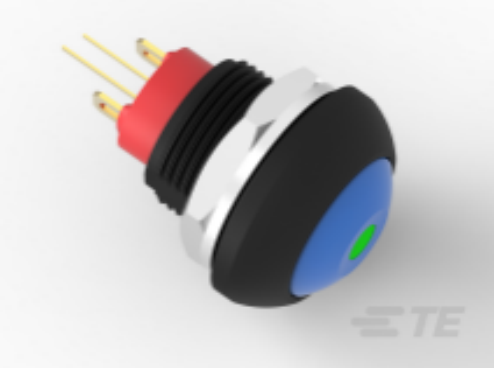




TE Part #T4133012021-000
M12 Panel Mount Solder Cups



TE Part #2217748-1
CCII AMPSEAL CONT 20-16 ASSY



TE Part #2-2329387-4
PB OFF/ON FC BLU M1 TERM GRE LED IP68



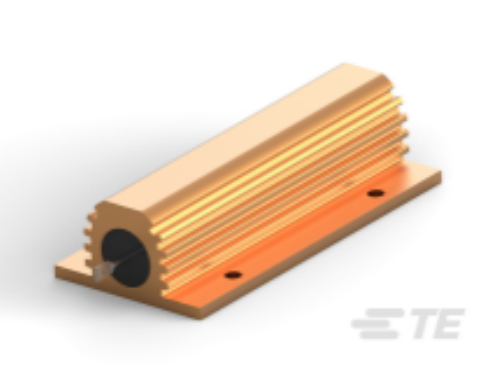
TE Part #2329362-1
PB OFF/ON RC BLK M1 TERM IP68 500MM LHS



TE Part #5-1375583-9
10 MTE VERTICAL SMT HDR 30 AU



TE Part #2273044-2
M12 A-CODE MALE STRAIGHT PIGTAIL



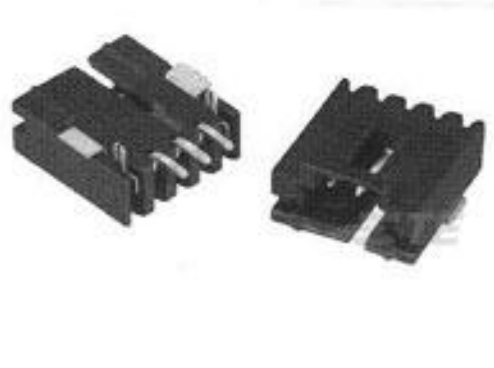
TE Part #2-1630027-5
Power Resistors: Aluminum Housed, HSC



TE Part #1838242-3
M12 FEMALE CONN. , STRAIGHT, PVC CABLE



TE Part #1375583-9
10 MTE VERTICAL SMT HDR 30 AU



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

Documents

Product Drawings

08 MTE HDR SRRA SMT.100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_147324-7_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_147324-7_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_147324-7_N.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