

5-147278-9 ✓ ACTIVE

AMPMODU | AMPMODU MTE

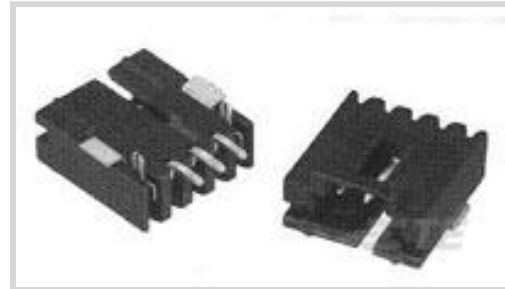
TE Internal #: 5-147278-9

PCB Mount Header, Right Angle, Wire-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Surface Mount, Signal, Black, AMPMODU MTE

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Right Angle**

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

Features

Other

EU RoHS Compliance **Compliant**

EU ELV Compliance **Compliant**

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 **10**

Number of Rows **1**

Electrical Characteristics

Termination Resistance **15 mΩ**

Insulation Resistance **5000 MΩ**

Dielectric Withstanding Voltage (Max) **600 V**

Body Features

Primary Product Color **Black**



Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.381 μm [15 μin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μm [100 – 200 μin]
Contact Shape & Form	Square
Contact Mating Area Length	5.84 mm[.23 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

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



Connector Length	30.48 mm[1.2 in]
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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

Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
Packaging Method	Tape & Reel

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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 # 5-103957-9
2X10 MTE RCPT SR LATCH .100CL



TE Part # 5-103960-9
2X10 MTE RCPT SR LATCH .100CL

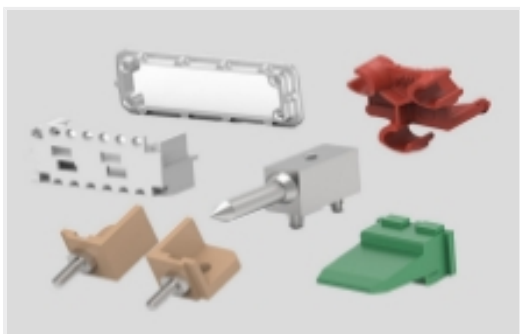
Also in the Series | AMPMODU MTE



Connector Caps & Covers(18)



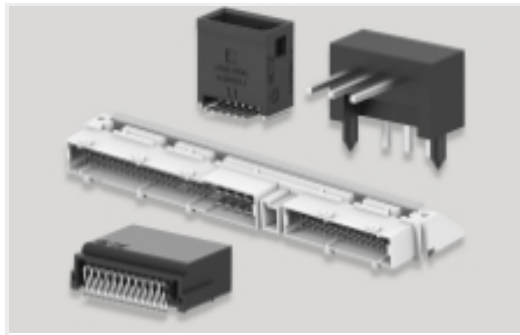
Connector Contacts(27)



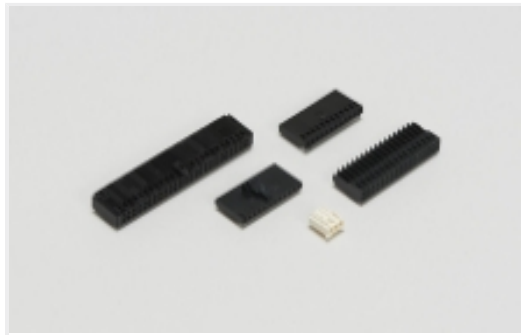
Connector Hardware(1)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(444)



Wire-to-Board Connector Assemblies & Housings(298)

Customers Also Bought



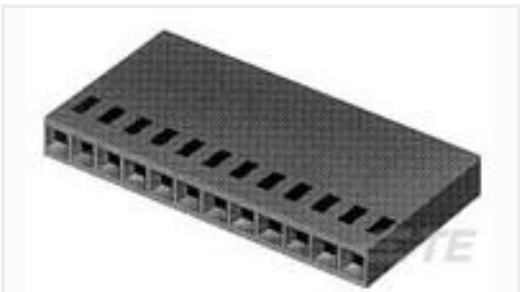
TE Part #3-582118-0
TEST PROBE REC130 BI BLK GPBR



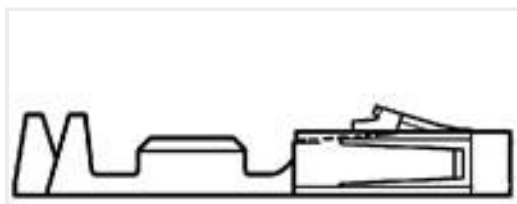
TE Part #104257-4
05 MTE RCPT HSG SR LATCH .100



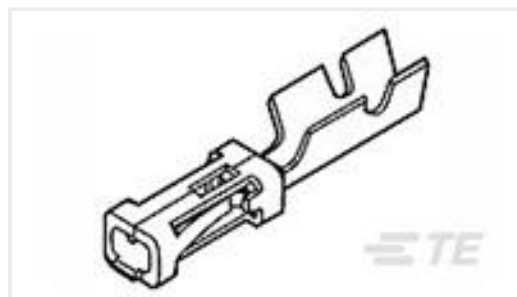
TE Part #5-104362-1
02 MTE HDR SRST LATCH W/HLDWN



TE Part #925366-2
MOD 4 REC.HSG 1X02P



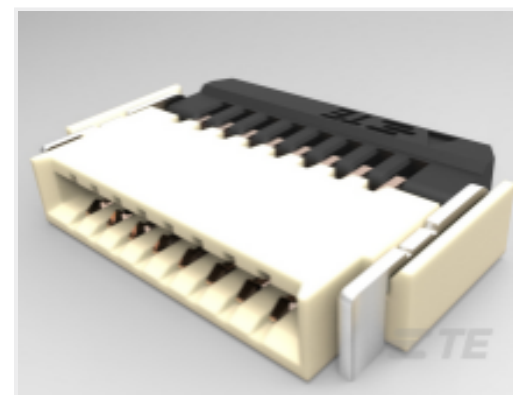
TE Part #1-104480-3
SHORT POINT CONT 30 DPLX
STMPD LF



TE Part #2-167301-2
MOD-4 REC.CONT.SCP



TE Part #5-146256-2
04 MODII HDR DRST B/A .100CL LF



TE Part #1-2328702-0
10PIN 0.5MMP FPC CONN, BACK
FLIP LOCK



TE Part #5-104363-4
05 MTE HDR SRST LATCH .100CL

Documents

Product Drawings

[10 MTE HDR SRRA SFMNT .100CL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-147278-9_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-147278-9_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-147278-9_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_INTERCONNECTION_SYSTEM_SECTION5_CONT](#)

English

[AMPMODU MTE INTERCONNECT SYSTEM](#)

English