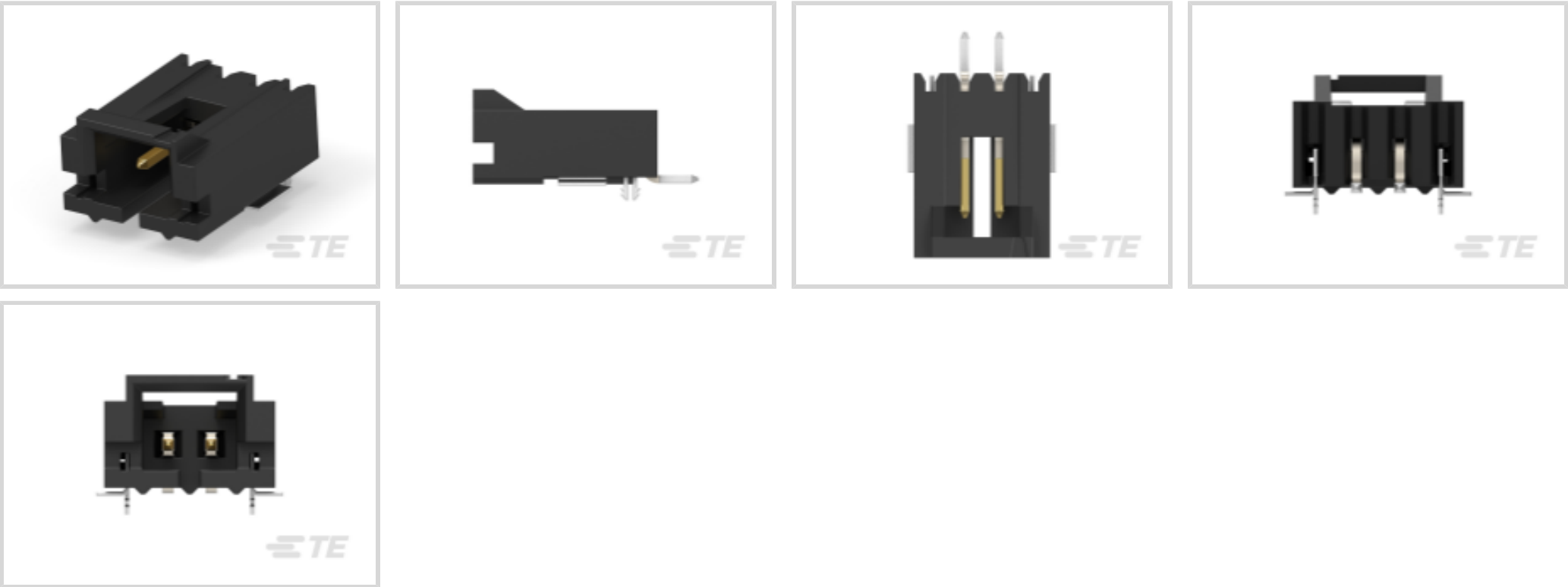




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	2
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
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
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 (Au)
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	LCP
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Centerline (Pitch)	2.54 mm[.1 in]
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Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	6.65 mm[.262 in]
Connector Length	10.16 mm[.4 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature (Max)	105 °C[221 °F]
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	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
Packaging Method	Box, 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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 5-103972-1
10X2 MTE RCPT SR RIBBED .100CL

TE Part # 5-103960-1
10X2 MTE RCPT SR LATCH .100CL

TE Part # 2267795-1
CA, MTE FOW-FOW, 2POS, 75mm
15Au, 24AWG

TE Part # 5-103957-1
10X2 MTE RCPT SR LATCH .100CL

TE Part # 1-2267795-1
CA, MTE FOW-FOW, 2POS, 300mm
15Au, 24AWG

TE Part # 5-103969-1
10X2 MTE RCPT SR RIBBED .100CL

Also in the Series | AMPMODU MTE

Board-to-Board Headers & Receptacles(24)

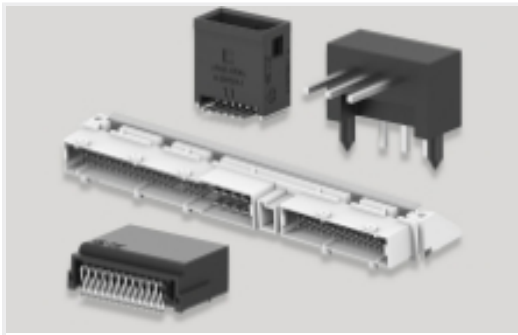
Connector Caps & Covers(18)

Connector Contacts(27)

Connector Hardware(1)



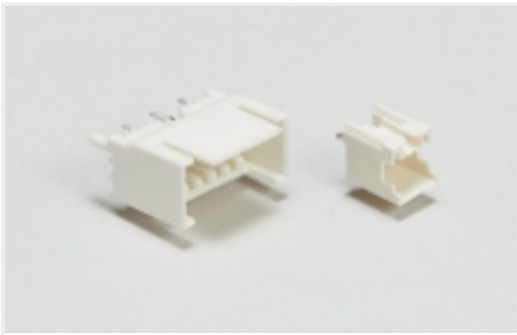
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(444)



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

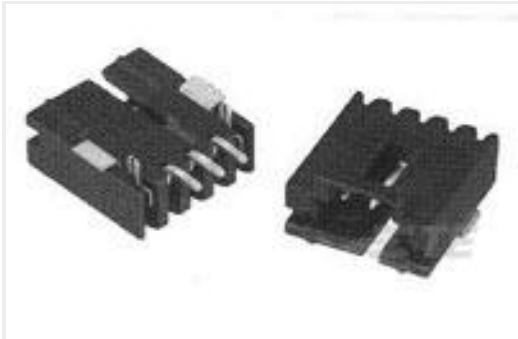


Wire-to-Board Headers & Receptacles (420)

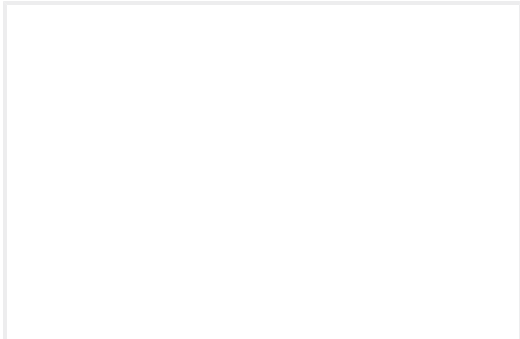
Customers Also Bought



TE Part #494167-E
M12 MALE, A CODE, 4P, 10.5MM SMT



TE Part #5-147278-7
08 MTE HDR SRRA SFMNT .100CL



TE Part #2340662-1
FSM4JAHTR=6MM TACT SWITCH, HIGH TEMP



TE Part #826951-5
5P MOD2 STIFT LEI



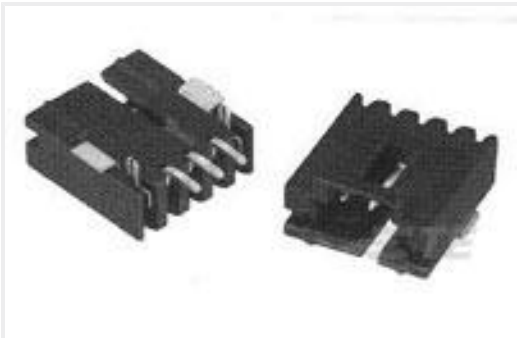
TE Part #1969816-1
08P UMNL HDR ASSY R/A, SCKT V0 GW



TE Part #494520-E
M12 MALE, A CODE, 5P, 10.5MM SMT



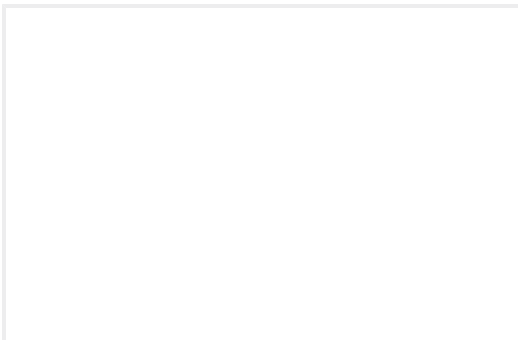
TE Part #494335-E
M12 MALE, A CODE, 5P, 10.5MM SMT



TE Part #5-147278-8
09 MTE HDR SRRA SFMNT .100CL



TE Part #826467-5
5P MOD II SHROUDED HEADER, ST



TE Part #T4140L12051-003
M12,REAR,MALE,L,4P+PE, PCB WITHOUT NUT

Documents

Product Drawings

02 MTE HDR SRRA SFMNT .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-147278-1_N.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_5-147278-1_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-147278-1_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](#)

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Product Specifications

[Application Specification](#)

English