

103638-4 ✓ ACTIVE

AMPMODU | AMPMODU MTE

TE Internal #: 103638-4

PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Signal, AMPMODU MTE

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Not Compliant**

EU ELV Compliance: **Compliant with Exemptions**

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

PCB Mount Orientation: **Vertical**

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

Features

Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

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	Vertical
Number of Positions	5
Number of Rows	1

Electrical Characteristics

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

Primary Product Color	Black
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Contact Features

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

Termination Post & Tail Length	3.3 mm[.13 in]
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Square Termination Post & Tail Dimension	.64 mm[.025 in]
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Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mating Retention Type	Polarized Lock
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Mating Retention	With
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Mating Alignment Type	Latched, Polarization
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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Housing Features

Housing Material	Thermoplastic
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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	13.59 mm[.535 in]
Connector Length	15.24 mm[.6 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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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	36
Packaging Method	Tube, Box

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 reviewed 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



TE Part # 487526-4
005 HOUSING FFC RCPT 100CL SR



TE Part # 103957-4
4X5 MTE RCPT SR LATCH .100CL

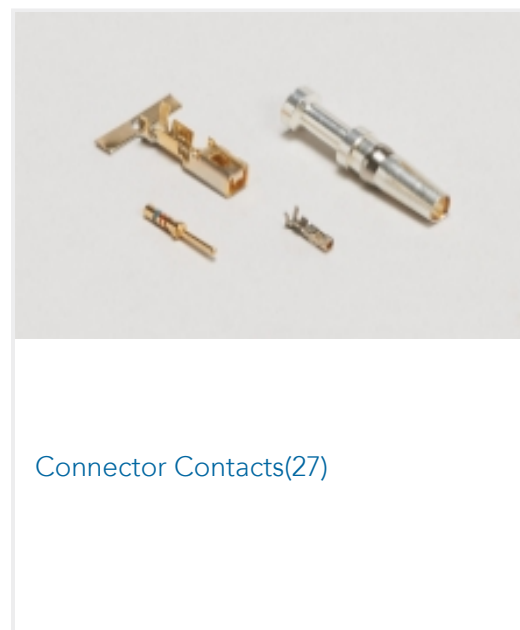


TE Part # 103960-4
4X5 MTE RCPT SR LATCH .100CL

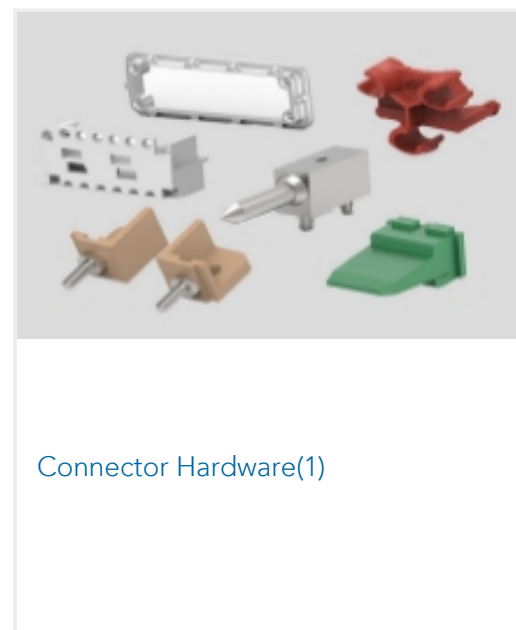
Also in the Series | AMPMODU MTE



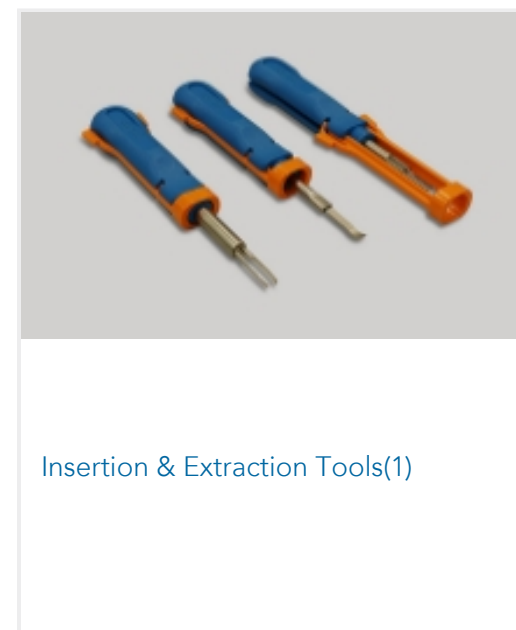
Connector Caps & Covers(18)



Connector Contacts(27)



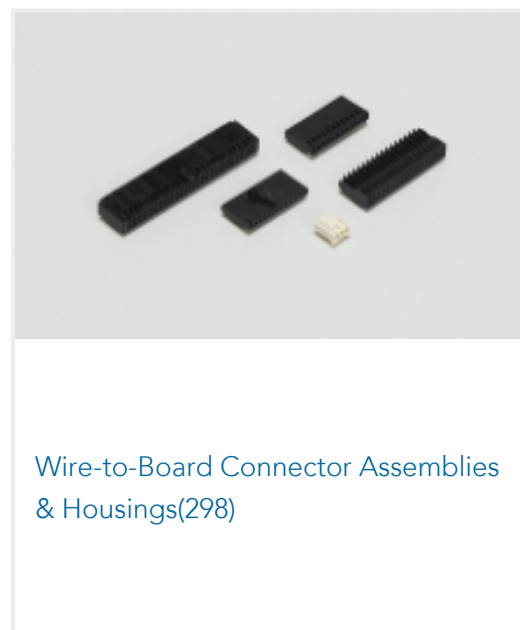
Connector Hardware(1)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(444)



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

Customers Also Bought



TE Part #2-644486-5
05P MTA100 SHRDED HDR ASSY SN



TE Part #103669-1
02 MTE HDR SRST LATCH W/HLDWN



TE Part #5-103669-5
06 MTE HDR SRST LATCH W/HLDWN



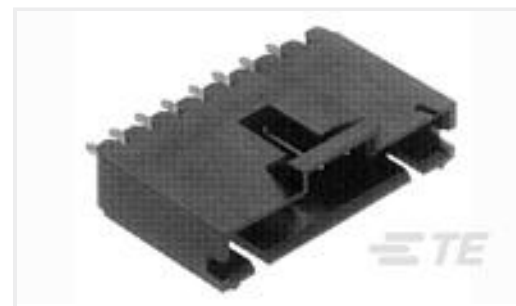
TE Part #5-104363-3
04 MTE HDR SRST LATCH .100CL



TE Part #5-103669-2
03 MTE HDR SRST LATCH W/HLDWN



TE Part #103638-2
03 MTE HDR SRST LATCH .100CL



TE Part #103638-9
10 MTE HDR SRST LATCH .100CL



TE Part #103673-4
05 MTE HDR SRRA LATCH W/HLDWN



TE Part #5-103960-5
4X6 MTE RCPT SR LATCH .100CL



TE Part #2-350376-0
MR SPLT GROMET .218 DIA BLK LF

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_103638-4_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_103638-4_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_103638-4_S.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

Instruction Sheets

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

English