6-103673-1 ✔ ACTIVE

AMPMODU | AMPMODU MTE

TE Internal #: 6-103673-1

PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, AMPMODU MTE

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

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

Number of Positions: **12**

Number of Rows: **1**

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

Number of Positions	12
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

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

Body Features

Primary Product Color	Black

Contact Features

Contact Mating Area Length	5.84 mm[.23 in]
Mating Square Post Dimension	.64 mm[.025 in]

PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Mating Area Plating Material Thickness	.381 µm[15 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
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 PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	33.02 mm[1.3 in]
Connector Height	6.99 mm[.275 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

Industry Standards

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

Packaging Features

Packaging Quantity	16
Packaging Method	Box, Tube

Product Compliance

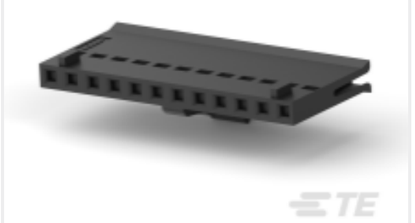
For compliance documentation, visit the product page on TE.com>

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 # 1-487526-1
012 HOUSING FFC RCPT 100CL SR



TE Part # 6-103957-1
2X12 MTE RCPT SR LATCH .100CL



TE Part # 1-103648-1
12 MTE RCPT HSG SR RIB .100CL

Also in the Series | AMPMODU MTE



Connector Caps & Covers(20)



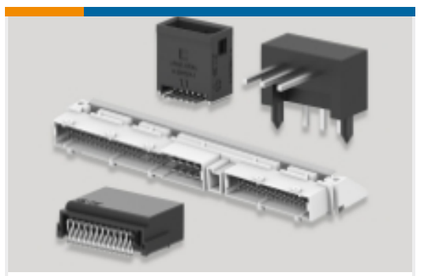
Connector Contacts(32)



Connector Hardware(1)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(456)



Wire-to-Board Connector Assemblies & Housings(364)

Customers Also Bought

TE Part #188275-4
MICRO-MATCH SMD FTE

TE Part #5-103904-1
2 MTE HDR SRRA LATCH W/HLDWN

TE Part #4-794618-2
12P MICRO MNL ASSY R/A HDR LF

TE Part #5-104362-9
10 MTE HDR SRST LATCH W/HLDWN



TE Part #1-770974-0
16P MINI UMNL R/A HDR ASSY SN



TE Part #5-103904-2
3 MTE HDR SRRA LATCH W/HLDWN

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-103673-1_AH.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-103673-1_AH.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-103673-1_AH.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

AMPMODU MTE INTERCONNECT SYSTEM

English

Product Specifications

Application Specification

English

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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

3430B2F51RTDF CPF0402B37K4E1 SBCHE64R7K 1-794222-0 175977-2 3-1393225-0 1903112-2 2-292161-3 RH73H2A40MKTN 936348-1 TE50BR39J 1-962915-1 2310537-1 2377783-2 SMW73R0JT U5254-000005-030PA 141991-2 1969656-1 CRGCQ2010J3K3 2380312-2 1743455-2 3631B101LL 650075-000 917696-1 MPT100C18RF ROX05SJ18R SBCHE154R7K 2834055-1 1393431-1 2005330-1