1-103639-5 ✔ ACTIVE

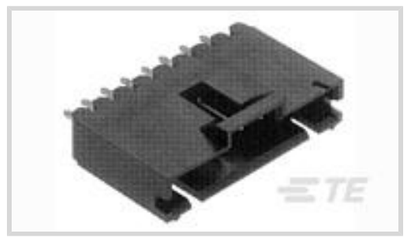
AMPMODU | AMPMODU MTE

TE Internal #: 1-103639-5

PCB Mount Header, Vertical, Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Tin-Lead, Through Hole - Solder, AMPMODU MTE

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **16**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Number of Positions	16
Number of Rows	1
PCB Mount Orientation	Vertical

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	2.54 µm[100 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin-Lead
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
Panel Mount Feature	Without
Mating Retention Type	Polarized Lock
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions

Connector Length	43.18 mm[1.7 in]
Connector Height	13.59 mm[.535 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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	13
Packaging Method	Box, Tube

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	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 # 1-487526-5
016 HOUSING FFC RCPT 100CL SR



TE Part # 1-103645-5
16 MTE RCPT SR LATCH .100CL

Also in the Series | AMPMODU MTE



Connector Caps & Covers(40)



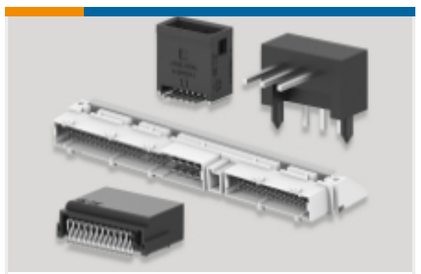
Connector Contacts(32)



Connector Hardware(1)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(763)



Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies & Housings(585)

Customers Also Bought



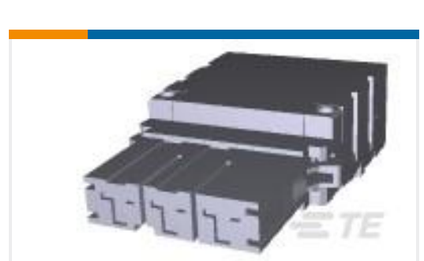
TE Part #1-1393210-3
T9AS1D12-12



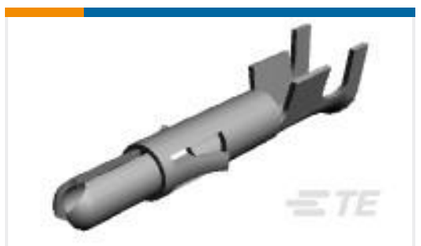
TE Part #5-1415899-5
PCB Power Relay: 12-16 Amp, Monostable



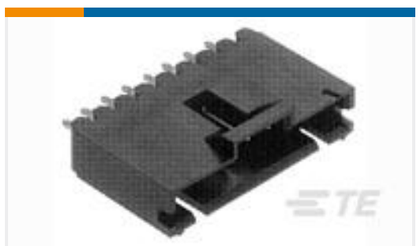
TE Part #1-776262-5
14POS,PIN DIA 1.3,HDR ASSY, 180DEG,COD 5



TE Part #1473668-1
KIT D-5 (D-5 DYNA-CLAMP 3P)



TE Part #350705-1
UMNL SPLIT PIN 20-14 PTPBR L/P



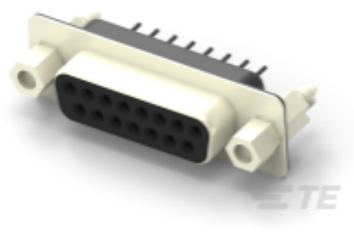
TE Part #1-103735-1
12 MTE HDR SRST LATCH .100CL



TE Part #643416-1
04P UMNL HDR ASSY POL 94VO



TE Part #3-1825137-8
A105SYZB04



TE Part #2301840-1
AMPL REC HD20, VERT, 15P, B/L,4-40 S/LOC

Documents

Product Drawings

16 MTE HDR SRST LATCH .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-103639-5_AA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-103639-5_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-103639-5_AA.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

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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