# 103908-2 ✔ ACTIVE

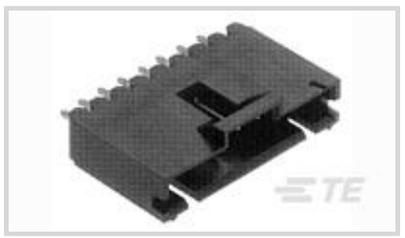
AMPMODU | AMPMODU MTE

TE Internal #: 103908-2

PCB Mount Header, Vertical, Wire-to-Board, 3 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



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

Number of Positions: **3**

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 | 3 |
| 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 – 5.08 µm[100 – 200 µin] |
| Contact Mating Area Plating Material Thickness | .381 µm[30 µin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| 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 | Swaged Retention Tails |
| 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 | 10.16 mm[.4 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 | 52 |
| 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (13% in Component Part)<br>**Article Safe Usage Statements:**<br>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 # 487526-2
003 HOUSING FFC RCPT 100CL SR



TE Part # 103958-2
8X3 MTE RCPT SR LATCH .100CL



TE Part # 103961-2
8X3 MTE RCPT SR LATCH .100CL



TE Part # 103970-2
8X3 MTE RCPT SR RIBBED .100CL

## Also in the Series | AMPMODU MTE



Connector Caps & Covers(40)



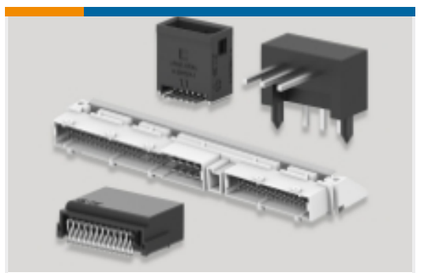
Connector Contacts(32)



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



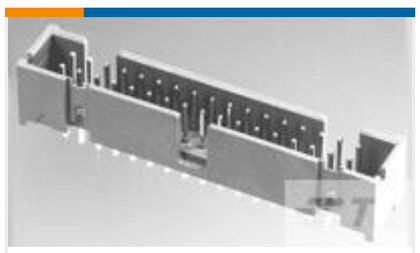
TE Part #487526-2
003 HOUSING FFC RCPT 100CL SR



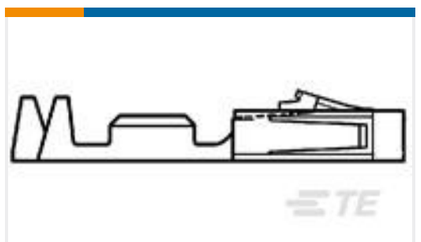
TE Part #1658643-1
HDP-20,RCPT,SIZE 1, 9 POSN,CLI



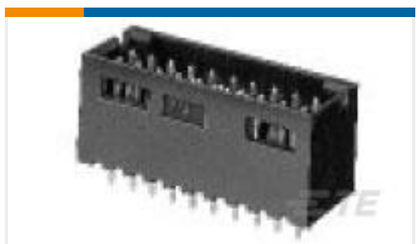
TE Part #2-487406-4
FFC,RCPT CONTACT,STD PRESSURE



TE Part #5104338-1
A/L LOW PRO HDR 10P VERT HT



TE Part #1-104479-3
SHORT POINT RECP CONT LP



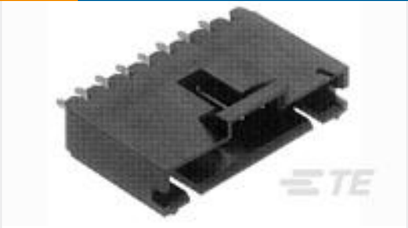
TE Part #5-103168-5
14 MODII HDR DRST SHRD .100CL



TE Part #6-1437657-9
8PCV-03-006=#8 TRIBARRIER



TE Part #2-84984-0
1mm FFC DIP V ASSY 20P NAT(TB)



TE Part #6-103908-0
11 MTE HDR SRST LATCH W/HLDWN

TE Part #20014203-05
PRESS XDCR M326M-00000B-007BG

## Documents

### Product Drawings

03 MTE HDR SRST LATCH W/HLDWN

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_103908-2_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_103908-2_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_103908-2_U.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

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Global Electronic Components Distributor

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## TE Connectivity:

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