



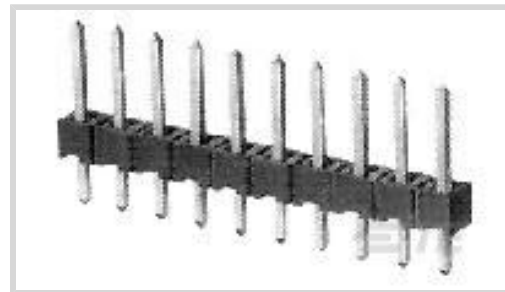
AMPMODU | AMPMODU Headers

TE Internal #: 103327-1

AMPMODU Headers, PCB Mount Header, Vertical, Board-to-Board, 1 Position, 2.54mm [.1in] Centerline, Breakaway, Tin-Lead, Printed Circuit Board

[View on TE.com >](#)

Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **1**

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

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type | PCB Mount Header |
| Connector System | Board-to-Board |
| Header Type | Breakaway |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------------|--------------|
| Number of Rows | 1 |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation | Vertical |
| Number of Positions | 1 |
| Board-to-Board Configuration | Parallel |

Contact Features

| | |
|---|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
| | 100 – 200 μin |
| Contact Shape & Form | Square |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Base Material | Phosphor Bronze |



| | |
|--|---|
| Contact Mating Area Plating Material | Tin-Lead |
| Contact Mating Area Plating Material Thickness | 2.54 – 5.08 μm [100 – 200 μin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|---|-----------------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|-------------------------|-------------|
| Mating Alignment | Without |
| PCB Mount Retention | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Color | Black |
| Housing Material | Thermoplastic |

Dimensions

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
|-----------------------------|-----------------|

Usage Conditions

| | |
|-----------------------------|--|
| Housing Temperature Rating | Standard |
| Operating Temperature Range | -65 – 105 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$] |

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|--------|
| Packaging Quantity | 520 |
| Packaging Method | Carton |

Other



| | |
|---------|--|
| Comment | Headers may be broken to desired number of positions using Hand Tool No. 91406-1, or Tool Kit No. 314818-1. Other tail lengths are available, consult TE Connectivity. |
|---------|--|

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 | Not Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) 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 | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 240°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

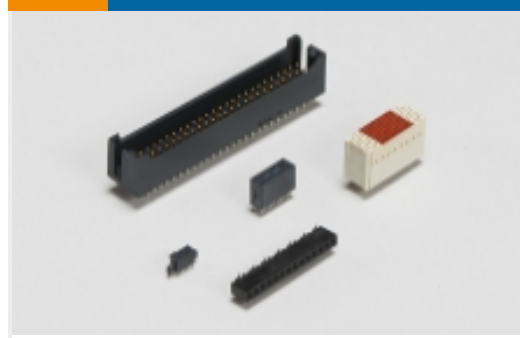


TE Model / Part # 87175-2
01 LOCKING CLIP HSG SR .100CL

Also in the Series | AMPMODU Headers



Automotive, Truck, Bus, & Off-Road Headers(10)



Board-to-Board Headers & Receptacles(5305)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



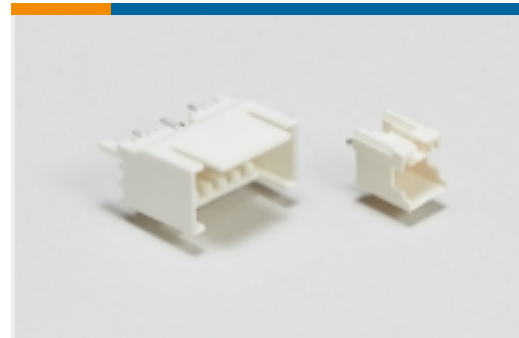
PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies & Housings(3)



Wire-to-Board Connector Contacts(46)



Wire-to-Board Headers & Receptacles (76)

Customers Also Bought



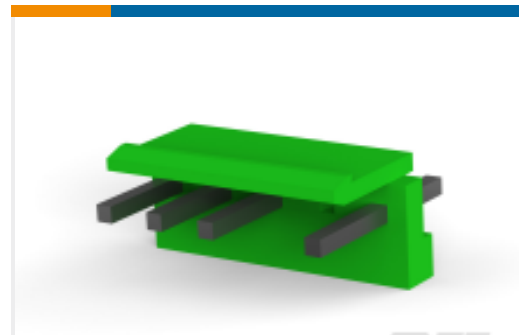
TE Model / Part #641922-3
08P MTA156 HDR ASSY STR W/O#2



TE Model / Part #3-644661-3
03P MTA156 HDR ASSY POL W/O#2



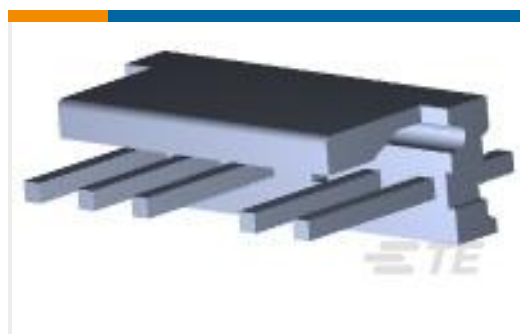
TE Model / Part #147574-2
13 MTE HDR W/O SWAGE S.LOAD



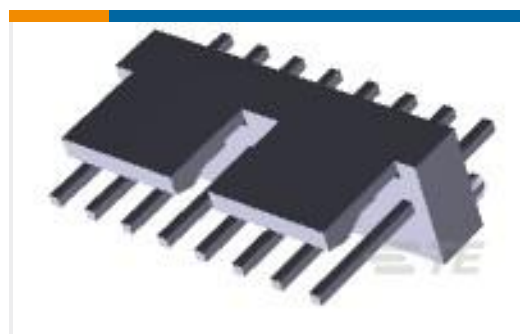
TE Model / Part #3-1717011-4
EP CONN.HDR ASSY 4/5P GREEN W/O#4



TE Model / Part #641922-8
08P MTA156 HDR ASSY STR W/O#6



TE Model / Part #643569-5
06P MTA156 HDR ASSY F/L W/O#3



TE Model / Part #647609-8
08P MTA100 HDR ASSY F/L

Documents

Product Drawings

01 MODII HDR SRST B/A .100CL

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_103327-1_U.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_103327-1_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_103327-1_U.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Environmental Compliance

[TE Material Declaration](#)

English