# 5-147291-5 ✔ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 5-147291-5

PCB Mount Header, Vertical, Board-to-Board, 3 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin (Sn), Surface Mount, Signal, Black, AMPMODU Headers

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **3**

Number of Rows: **1**

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

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 3 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |
| Board-to-Board Configuration | Parallel |

### Body Features

| | |
|---|---|
| Primary Product Color | Black |

### Contact Features

| | |
|---|---|
| | 100 – 200 µin |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material Finish | Matte |

| | |
|---|---|
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Shape & Form | Square |
| Contact Base Material | Copper Alloy |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 2.54 – 5.08 µm[100 – 200 µin] |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

## Termination Features

| | |
|---|---|
| | .05 in |
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Method to PCB | Surface Mount |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Material | LCP, LCP GF |

## Dimensions

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

## Usage Conditions

| | |
|---|---|
| Housing Temperature Rating | Standard |
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Assembly Process Feature | Pick and Place Cap |
| Circuit Application | Signal |

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 250 |
| Packaging Method | Tape & Reel |

## 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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

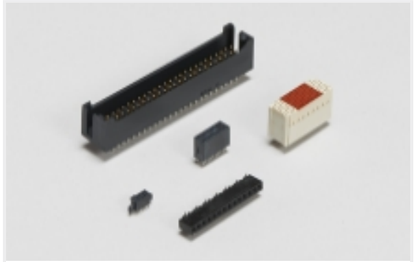


TE Part # 87175-8
03 LOCKING CLIP HSG SR .100CL

## Also in the Series | AMPMODU Headers



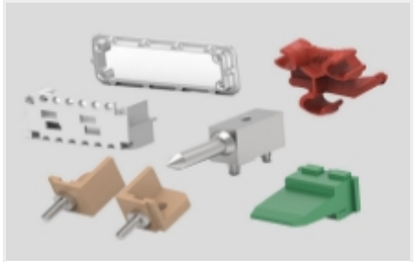
Automotive Signal & Power Headers(3)



Board-to-Board Headers & Receptacles(1147)



Connector Contacts(15)



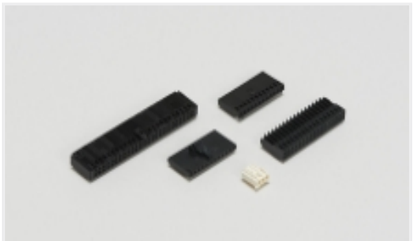
Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Power Connectors(25)

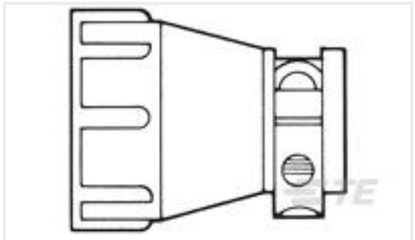


Wire-to-Board Connector Assemblies & Housings(2)

## Customers Also Bought



TE Part #1-66105-6
III+ SKT,24-20,TIN-LEAD,SMPACK



TE Part #206966-9
CABLE CLAMP KIT, BULK PKG



TE Part #3-1879208-2
CPF 0402 200R 0.1% 25PPM 1K RL



TE Part #1932788-1
MICRO USB, TYPE B, REVERSE



TE Part #1-1971818-1
11P,RAST 2.5 Tab Header,Ex- Locking, THV



TE Part #5-1971895-2
2P, RAST 5 Tab Header, THV



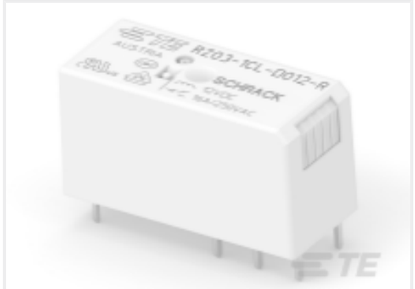
TE Part #2204406-3
MULTI-BEAM HD R/A REC. 2P+15S



TE Part #2204426-4
MULTI-BEAM HD VERTICAL REC. 2P+15S



TE Part #1-2336678-2
SGI2.0 RA SMT HEADER 2P,KEY A,NTL




TE Part #1-2158001-6
RZH3-1AL-D012-R

## Documents

## Product Drawings

03 MODII HDR SR SFMT B/A T&R, lead-Free

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_5-147291-5_L.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_5-147291-5_L.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_5-147291-5_L.3d_stp.zip

English

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