

1-1470224-1 ✓ ACTIVE



HPI

TE Internal #: 1-1470224-1

PCB Mount Header, Vertical, Wire-to-Board, 11 Position, 2.5 mm [.098 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, HPI

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.5 mm Headers



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

Number of Positions: **11**

Number of Rows: **1**

Centerline (Pitch): **2.5 mm [.098 in]**

PCB Mount Orientation: **Vertical**

[All AMP HPI 2.5 mm Headers \(78\)](#)

Features

Product Type Features

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

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 11 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Ivory |
|-----------------------|-------|

Contact Features

| | |
|----------------------------|-------------|
| Contact Mating Area Length | 3.5 mm |
| | 50 μ in |



| | |
|--|-----------------|
| Contact Layout | Inline |
| Mating Pin Diameter | .7 mm[.027 in] |
| Contact Mating Area Plating Material Thickness | 1.27 μm[50 μin] |
| PCB Contact Termination Area Plating Material Finish | Bright |
| Contact Mating Area Plating Material Finish | Bright |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|---|-----------------------|
| Terminations per Post (Max) | 3 |
| Round Termination Post & Tail Diameter | .7 mm[.027 in] |
| | .14 in |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

| | |
|--------------------|-----------------|
| Housing Material | Nylon 66 GF |
| Centerline (Pitch) | 2.5 mm[.098 in] |

Dimensions

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

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards



| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-2 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|----------|
| Packaging Quantity | 250 |
| Packaging Type | Bag, Box |

Product Compliance

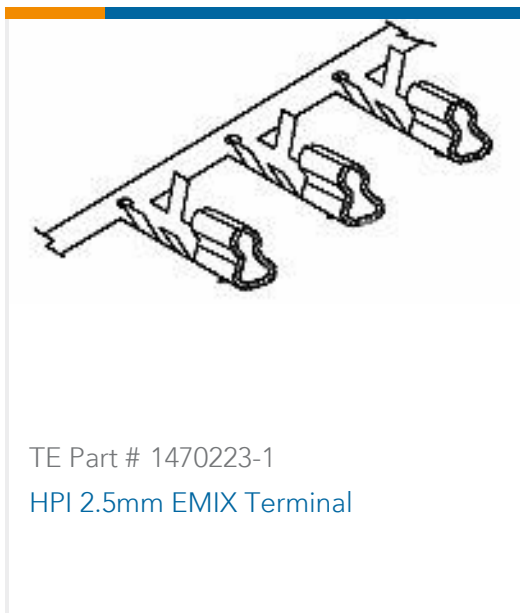
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Yet Reviewed |
| 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 2023 (235) Candidate List Declared Against: OCT 2008 (15) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 240°C |

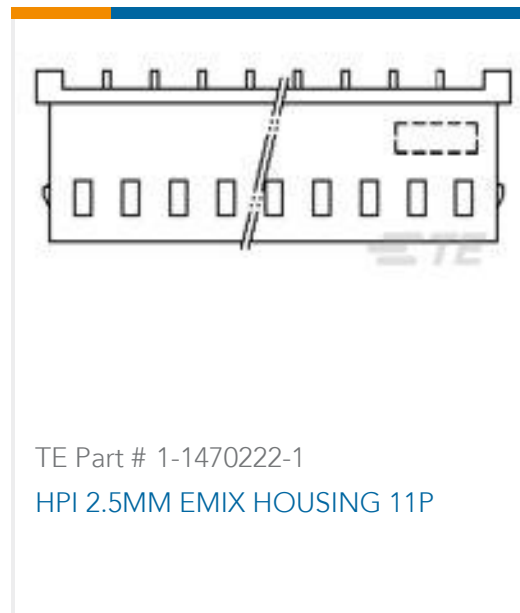
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 1470223-1
HPI 2.5mm EMIX Terminal

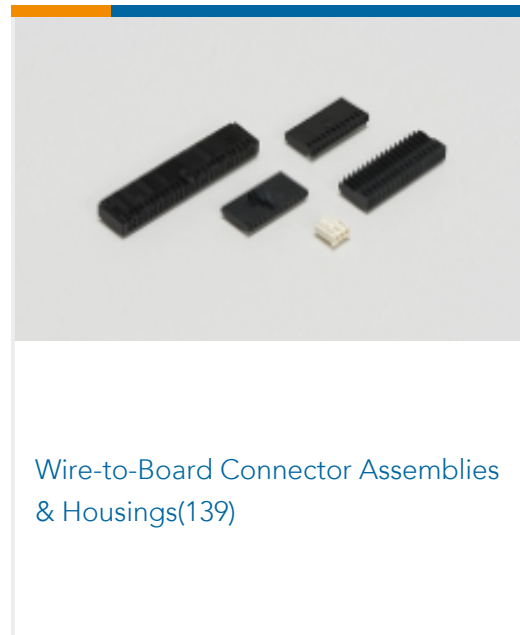


TE Part # 1-1470222-1
HPI 2.5MM EMIX HOUSING 11P

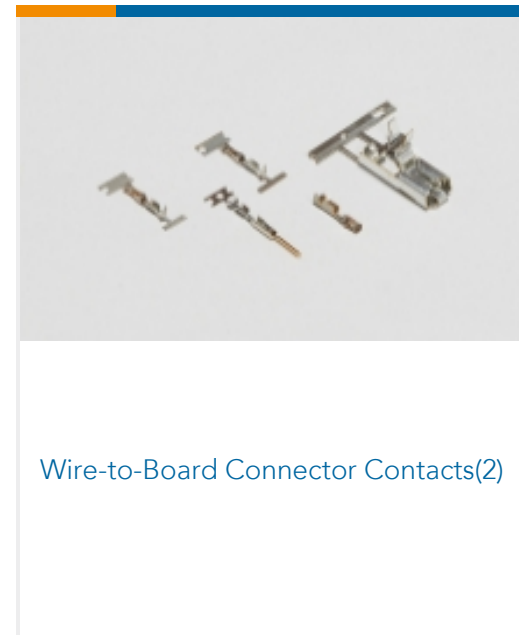
Also in the Series | HPI



PCB Headers & Receptacles(362)

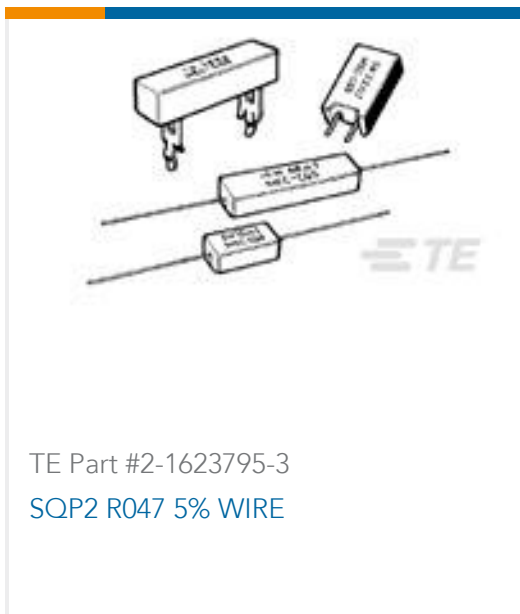


Wire-to-Board Connector Assemblies
& Housings(139)



Wire-to-Board Connector Contacts(2)

Customers Also Bought



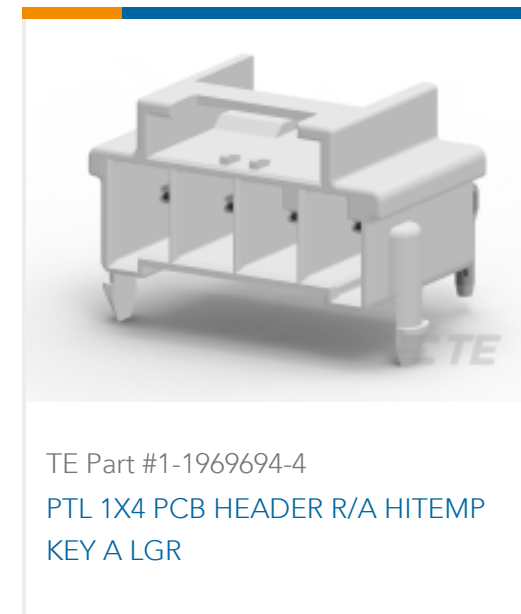
TE Part #2-1623795-3
SOP2 R047 5% WIRE



TE Part #1-1630019-4
HSC200 2K4 5%



TE Part #9-2176397-4
3502 7K5 1%



TE Part #1-1969694-4
PTL 1X4 PCB HEADER R/A HITEMP
KEY A LGR



TE Part #YD369-B99-AP400000
Rectangular Connectors: 9-Way Panel
Mount, 90PCB



TE Part #YDTS24T15-18PNV001
RECP ASSY



TE Part #YDTS24T21-35SNV001
RECP ASSY

Documents

Product Drawings

HPI 2.5MM EMIX A'SSY V/T 11P

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_1-1470224-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1470224-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1470224-1_E.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[HPI Connectors QRG](#)

English

Product Specifications

[AMP 2.5mm PITCH EMIX WTB SYSTEM.](#)

English

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English