

1775469-9  ACTIVE

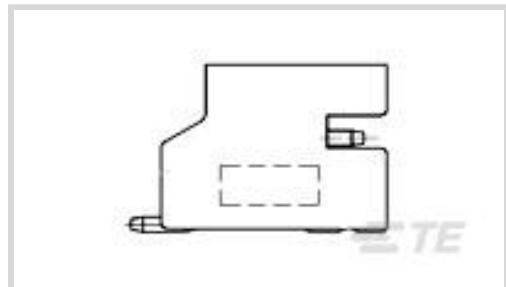
HPI

TE Internal #: 1775469-9

PCB Mount Header, Right Angle, Wire-to-Board, 9 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin, Surface Mount, Signal, Natural, Reel, HPI

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Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0 mm Headers



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

Number of Positions: **9**

Number of Rows: **1**

Centerline (Pitch): **2 mm [.079 in]**

PCB Mount Orientation: **Right Angle**

[All AMP HPI 2.0 mm Headers \(205\)](#)

## 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   | 9           |
| Number of Rows        | 1           |
| PCB Mount Orientation | Right Angle |

### Electrical Characteristics

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

### Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

### Contact Features

|                              |                   |
|------------------------------|-------------------|
| Contact Mating Area Length   | 3.53 mm [.139 in] |
| Mating Square Post Dimension | .5 mm [.02 in]    |

|   |                                      |
|---|--------------------------------------|
| PCB Contact Termination Area Plating Material Thickness | 2 $\mu\text{m}$ [80 $\mu\text{in}$ ] |
| Contact Layout  | Inline                               |
| PCB Contact Termination Area Plating Material Finish    | Matte                                |
| Contact Shape & Form                                    | Square                               |
| Contact Mating Area Plating Material Finish             | Matte                                |
| Contact Underplating Material                           | Nickel                               |
| PCB Contact Termination Area Plating Material           | Nickel                               |
| Contact Base Material                                   | Brass                                |
| Contact Mating Area Plating Material                    | Tin                                  |
| Contact Type  | Pin                                  |
| Contact Current Rating (Max)                            | 3 A                                  |

### Termination Features

|   |               |
|---|---------------|
| Square Termination Post & Tail Dimension    | .5 mm[.02 in] |
| Termination Post & Tail Length              | 1 mm[.039 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

### Mechanical Attachment

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

### Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | PA 9T GF      |
| Centerline (Pitch) | 2 mm[.079 in] |

### Dimensions

|                  |                  |
|------------------|------------------|
| Connector Length | 21.4 mm[.843 in] |
| Connector Height | 5.5 mm[.217 in]  |
| Connector Width  | 7.6 mm[.299 in]  |

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -25 - 85 °C[-13 - 185 °F] |
|-----------------------------|---------------------------|

## Operation/Application

Circuit Application

Signal

## Industry Standards

UL Flammability Rating

UL 94V-0

## Packaging Features

Packaging Quantity

600

Packaging Method

Reel

## Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JAN 2024

(240)

Candidate List Declared Against: JAN 2024

(240)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I &lt; 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Reflow solder capable to 260°C

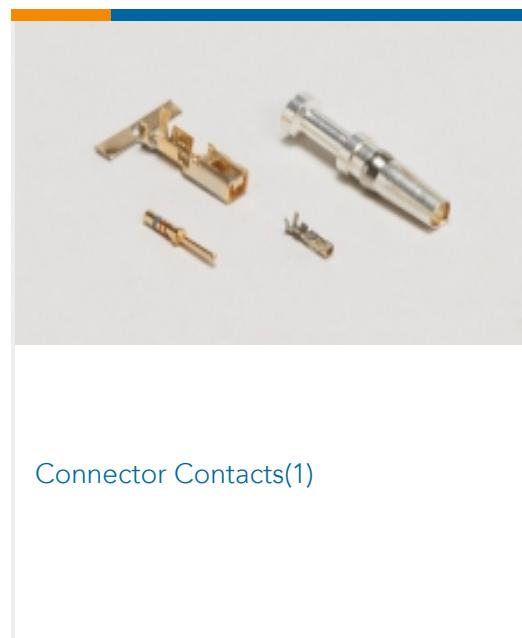
### Product Compliance Disclaimer

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 # CAT-H857-H817220  
AMP HPI 2.0 mm Receptacle Housings

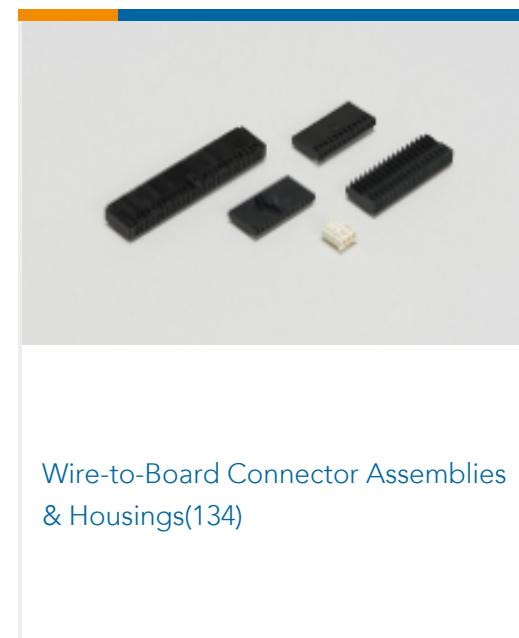
## Also in the Series | [HPI](#)



Connector Contacts(1)

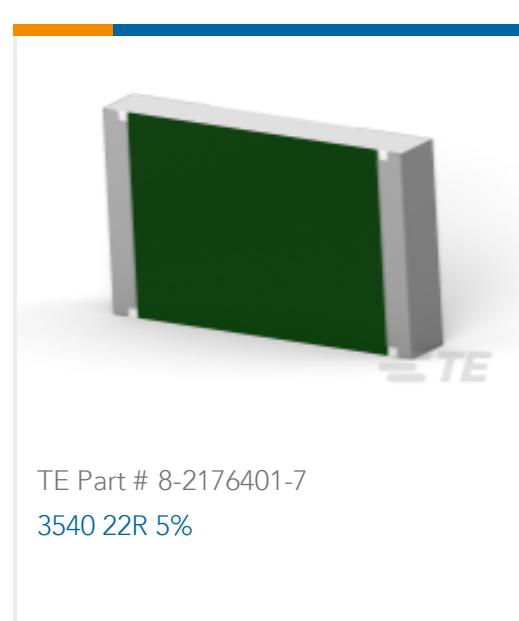


PCB Headers &amp; Receptacles(332)



Wire-to-Board Connector Assemblies &amp; Housings(134)

## Customers Also Bought

TE Part # 440129-3  
2.0MM,HSG,3POSTE Part # 5-103908-5  
06 MTE HDR SRST LATCH W/HLDWNTE Part # 5-103908-7  
08 MTE HDR SRST LATCH W/HLDWNTE Part # 1-1123724-2  
3.96EP HDR ASSY 2(3)P NATURALTE Part # 1-826629-2  
AMPMODU II PINHEADTE Part # 8-2176401-7  
3540 22R 5%TE Part # 9-1625890-2  
2W SM M/OX 5% 62KTE Part # 1-1123723-0  
3.96 EP HDR ASSY 10P(NATURAL)

## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1775469-9\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_1775469-9\\_A.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_1775469-9\\_A.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**[Application Specification](#)

English

**Agency Approvals**[UL Report](#)

English