

1775469-5 ✓ ACTIVE



## HPI

TE Internal #: 1775469-5

PCB Mount Header, Right Angle, Wire-to-Board, 5 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin (Sn), Surface Mount, Signal, Natural, HPI

[View on TE.com >](#)

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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **5**

Number of Rows: **1**

[All AMP HPI 2.0 mm Headers \(183\)](#)

## Features

### Product Type Features

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

### Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	5
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------



### Body Features

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

### Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2 $\mu$ m[80 $\mu$ in]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 $\mu$ m[80 $\mu$ in]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	3.53 mm[.139 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Nickel
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	3 A

### Termination Features

Terminations per Post (Max)	3
Termination Post & Tail Length	1 mm[.039 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Surface Mount

### Mechanical Attachment

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

### Housing Features

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



### Dimensions

Connector Width	7.6 mm[.299 in]
Connector Height	5.5 mm[.217 in]
Connector Length	13.4 mm[.528 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>](#)

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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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 # 2405418-4  
5P TO 5P 300MM CABLE ASSEMBLY, 440129-5



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


## Also in the Series | HPI




Connector Contacts(1)




PCB Headers & Receptacles(332)




Rectangular Connector Housings(86)




Rectangular Power Connectors(310)



Standard Rectangular Connectors(86)



Wire-to-Board Connector Assemblies & Housings(48)



Wire-to-Board Headers & Receptacles (332)

## Customers Also Bought



TE Part #1-292206-7  
MINI CT SGL DIP H 17P NAT



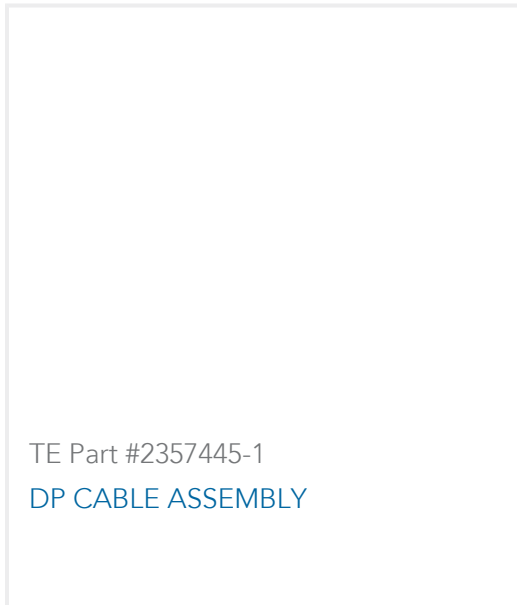
TE Part #2108609-5  
3.0H SPRING FINGER WITH EMBOSS



TE Part #440129-5  
2.0MM,HSG,5POS



TE Part #640389-4  
04P MTA156 HDR ASSY SQ R/A F/L



## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1775469-5\\_A.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1775469-5\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1775469-5\\_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

#### UL Report

English

1775469-5

PCB Mount Header, Right Angle, Wire-to-Board, 5 Position, 2 mm [.079 in]  
Centerline, Fully Shrouded, Tin (Sn), Surface Mount, Signal, Natural, HPI

