

1-1734709-5 ✓ ACTIVE

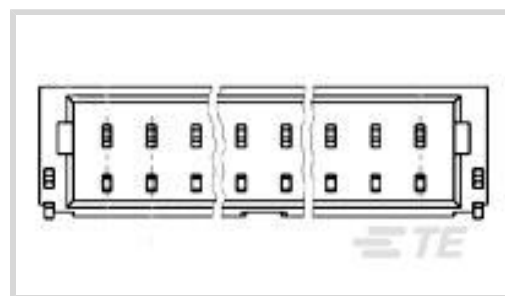
TE Internal #: 1-1734709-5

PCB Mount Header, Right Angle, Wire-to-Board, 15 Position, 1 mm [.039 in] Centerline, Fully Shrouded, Nickel, Surface Mount, Signal, Natural

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Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 1.0MM HEADERS



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

Number of Positions: **15**

Number of Rows: **1**

Centerline (Pitch): **1 mm [.039 in]**

PCB Mount Orientation: **Right Angle**

[All AMP HPI 1.0MM HEADERS \(28\)](#)

## 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

Connector Contact Load Condition	Fully Loaded
Number of Positions	15
Number of Rows	1
PCB Mount Orientation	Right Angle

### Electrical Characteristics

Operating Voltage	50 VAC
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### Body Features

Primary Product Color	Natural
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### Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	3.048 $\mu$ m[120 $\mu$ in]



Mating Tab Width	.49 mm[.019 in]
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Nickel
Contact Type	Pin
Contact Current Rating (Max)	.8 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.3 mm[.012 in]
Termination Post & Tail Length	.7 mm[.028 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)	1 mm[.039 in]

### Dimensions

Connector Length	17.3 mm[.681 in]
Connector Height	2.9 mm[.114 in]
Connector Width	4.95 mm[.195 in]

### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 185 °F]
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### Operation/Application



Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	1500
Packaging Type	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 2022 (224) Candidate List Declared Against: JUN 2013 (144) SVHC > Threshold: Not Yet Reviewed
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 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 # 1734597-1  
1.0 WTB Terminal, Receptacle



TE Part # 1-1470364-5  
1.0MM W T B RECPT, 15 POS HOUSING

## Documents

### Product Drawings

[1.0 WTB HDR SR RA 15 POS](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1734709-5\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1734709-5\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1734709-5\\_B.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