



HPI

TE Internal #: 1-2041145-4

PCB Mount Header, Right Angle, Wire-to-Board, 14 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, HPI

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Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0MM HEADERS



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

Number of Positions: **14**

Number of Rows: **1**

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

PCB Mount Orientation: **Right Angle**

[All AMP HPI 2.0MM HEADERS \(211\)](#)

**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**

Connector Contact Load Condition	Fully Loaded
Number of Positions	14
Number of Rows	1
PCB Mount Orientation	Right Angle

**Electrical Characteristics**

Operating Voltage	250 VAC
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**Body Features**

Primary Product Color	Natural
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**Contact Features**

Contact Layout	Inline
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Contact Mating Area Length	3.35 mm[.131 in]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2.03 µm[80 µin]
Contact Mating Area Plating Material Thickness	2.032 µm[80 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
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]
Terminations per Post (Max)	3
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
PCB Mount Retention Type	Kinked Legs
Mating Retention Type	Locking
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

#### Housing Features

Housing Material	Nylon 66
Centerline (Pitch)	2 mm[.079 in]

#### Dimensions

Connector Length	30 mm[1.181 in]
Connector Height	5.8 mm[.228 in]
Connector Width	7.7 mm[.303 in]



PCB Thickness (Recommended)	1 – 1.6 mm [.039 – .063 in]
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### Usage Conditions

Operating Temperature Range	-25 – 85 °C [-13 – 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	160
Packaging Type	Bag, Box

## 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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 260°C

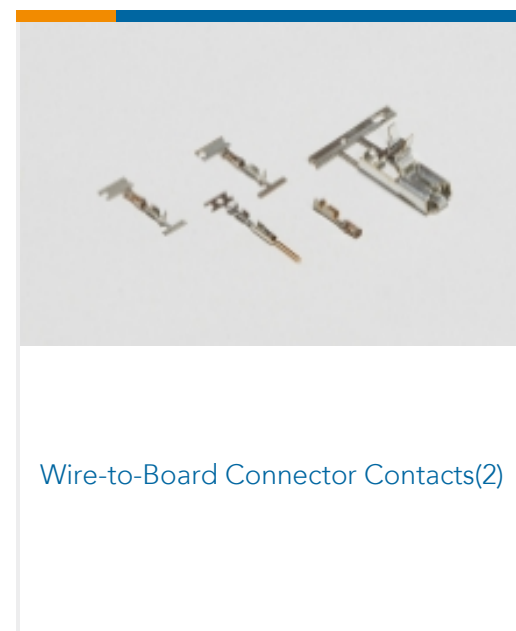
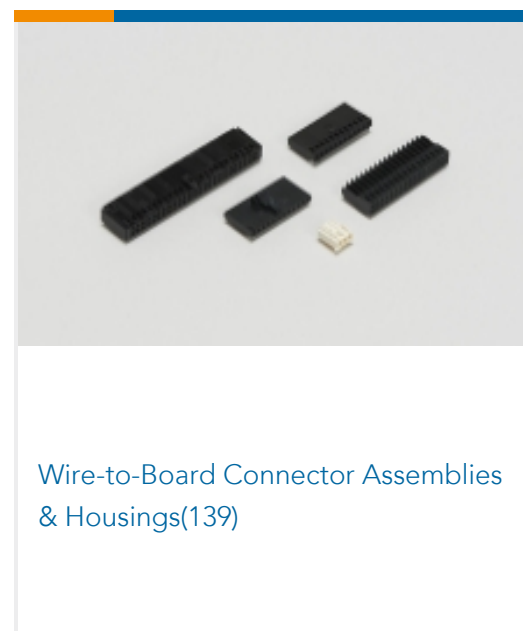
#### Product Compliance Disclaimer

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



## Also in the Series | HPI



## Documents

### Product Drawings

[HPI 2.0MM CONN., R/A, DIP, 14P](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2041145-4\\_A.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2041145-4\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2041145-4\\_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

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