

440055-6 ✓ ACTIVE

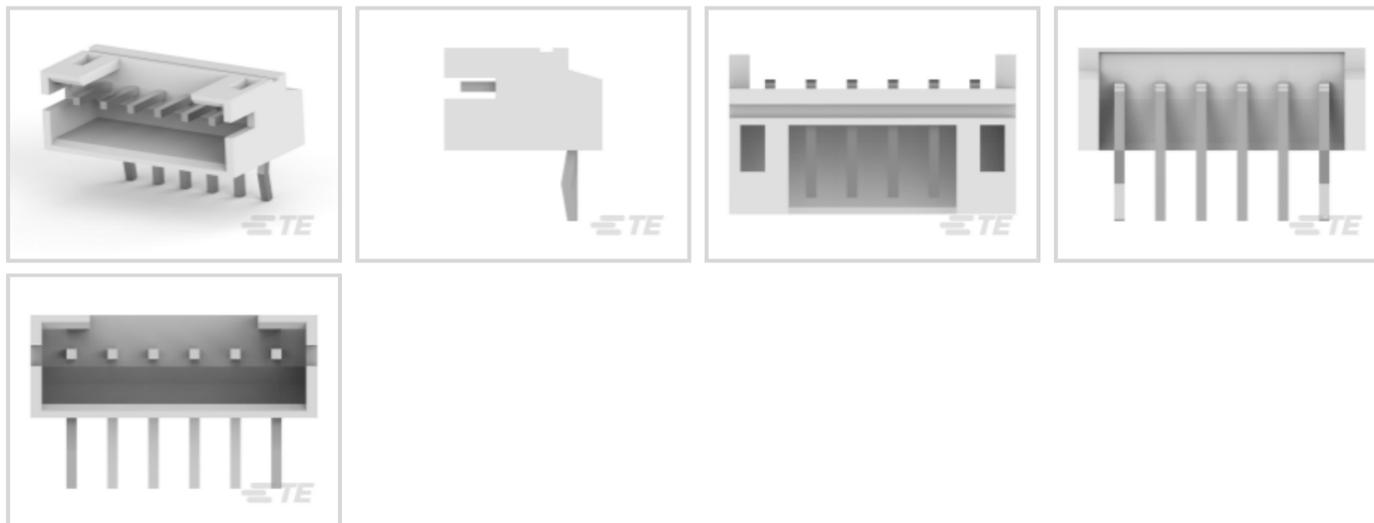
TE Internal #: 440055-6

PCB Mount Header, Right Angle, Wire-to-Board, 6 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, Signal

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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: **6**

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

[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	Partially 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	6
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VDC
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### Body Features



Primary Product Color	Natural
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### Contact Features

PCB Contact Termination Area Plating Material Finish	Bright
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Mating Square Post Dimension	.5 mm[.02 in]
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Contact Shape & Form	Square
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Contact Mating Area Length	3.5 mm[.138 in]
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Contact Base Material	Brass
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Mating Area Plating Material Finish	Bright
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Contact Type	Pin
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Contact Current Rating (Max)	3 A
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### Termination Features

Termination Post & Tail Length	3.4 mm[.134 in]
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Square Termination Post & Tail Dimension	.5 mm[.02 in]
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Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

PCB Mount Retention Type	Kinked Tines
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Mating Alignment Type	Polarization
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PCB Mount Alignment	Without
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Mating Retention	Without
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PCB Mount Retention	With
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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### Housing Features

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

Connector Width	7.7 mm[.303 in]
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PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
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Connector Height	4.95 mm[.195 in]
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Connector Length	14 mm[.551 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	250
Packaging Method	Bag

### 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	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 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



## Customers Also Bought



## Documents

**Product Drawings**  
2.0MM,HDR,6POS,R/A

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_440055-6\_B3.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_440055-6\\_B3.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_440055-6\\_B3.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[HPI Connectors QRG](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[UL](#)

English

[UL](#)

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