

TE Internal #: 440054-7

PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 2 mm [.079]

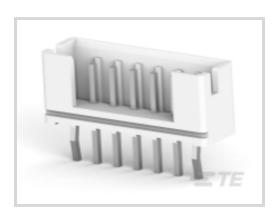
in] Centerline, Partially Shrouded, Tin, Through Hole - Solder,

Signal, Natural

View on TE.com >

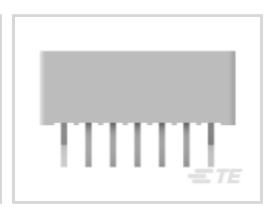


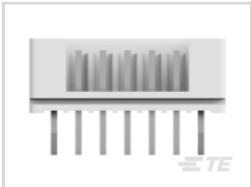
Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0 mm Headers











Connector System: Wire-to-Board

Number of Positions: 7
Number of Rows: 1

Centerline (Pitch): 2 mm [.079 in]
PCB Mount Orientation: Vertical

All AMP HPI 2.0 mm Headers (206)

## 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	
Number of Positions	7
Number of Rows	1
PCB Mount Orientation	Vertical

# **Electrical Characteristics**

Operating Voltage 250 VAC	
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### **Body Features**

Primary Product Color Natural



#### **Contact Features**

Contact Mating Area Length	3.35 mm[.131 in]
Mating Square Post Dimension	.5 mm[.02 in]
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	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	3.4 mm[.134 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### **Housing Features**

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

#### **Dimensions**

Connector Length	16 mm[.63 in]
Connector Height	6.05 mm[.238 in]
Connector Width	4.7 mm[.185 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 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	300
Packaging Type	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	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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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	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 Drawings2.0MM,HDR,7POS,VERTICAL

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_440054-7\_F4.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_440054-7\_F4.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_440054-7\_F4.3d\_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

**Product Specifications** 

**Application Specification** 

English

Agency Approvals

**UL Report** 

English