

TE Internal #: 440052-5

PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.5 mm [.

098 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole -

Solder, Signal

View on TE.com >

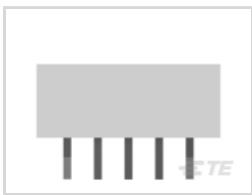


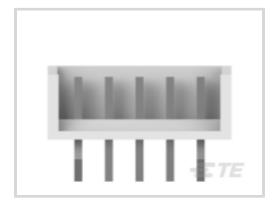
Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.5 mm Headers











PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical Connector System: Wire-to-Board

Number of Positions: 5 Number of Rows: 1

All AMP HPI 2.5 mm Headers (78)

### **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	

### Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	5
Number of Rows	1

### **Electrical Characteristics**

Operating Voltage	250 VDC

### **Body Features**



Contact Features  Mating Square Post Dimension	Duine and Dua duint Calan	Nietowal
Matting Square Post Dimension Contact Shape & Form Square Contact Mating Area Length Subset Material PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Contact Type Pin Contact Type Pin Contact Current Rating (Max) 3.A  Termination Post & Tail Length 3.4 mm]. 134 inj Square Termination Post & Tail Length 3.4 mm]. 134 inj Square Termination Post & Tail Dimension Features  Termination Method to PCB Through Hole Solder  Mechanical Attachment  Mating Retention Without PCB Mount Retention Type Kinked Tines Mating Alignment Type Polarization PCB Mount Retention With Housing Features Housing Material Nylon 66 GF Centerline (Ptch) 2.5 mm [098 in]  Dimensions Connector Width 1 – 1.6 mm [039 – 063 in] Connector Height Connector Length DCB mm [236 in] FCB mm [2	Primary Product Color	Natural
Contact Shape & Form Square Contact Mating Area Length 3.45 mml,136 in] Contact Base Material Brass PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Finish Bright Contact Mating Area Plating Material Finish Bright Contact Type Pin Contact Current Rating (Max) 3.4 Termination Features  Termination Post & Tail Length 3.4 mml,134 in] Square Termination Post & Tail Length 3.4 mml,125 in] Termination Method to PCB Through Hole - Solder  Mechanical Attachment  Mating Retention Without PCB Mount Retention Type Kinked Tines Mating Alignment Type Polarization PCB Mount Retention PCB Mount Retention PCB Mount Retention Without Connector Mounting Type Board Mount Mating Alignment Without Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Nylon 66 GF Centerline (Pitch) 2.5 mml, 096 in]  Dimensions  Connector Width 3.8 mml, 15 in] PCB Thickness (Recommended) 1 1.6 mml, 236 in] Connector Length 15 mml, 291 in]	Contact Features	
Contact Mating Area Length  Contact Base Material  PCB Contact Termination Area Plating Material  FCB Contact Mating Area Plating Material Finish  Contact Mating Area Plating Material Finish  Contact Type  Pin  Contact Current Rating (Max)  3 A  Termination Features  Termination Post & Tail Length  3.4 mm[134 in]  Square Termination Post & Tail Dimension  6.4 mm[025 in]  Termination Method to PCB  Through Hole Solder  Mechanical Attachment  Mating Retention  PCB Mount Retention Type  Mating Alignment Type  PCB Mount Retention  With  PCB Mount Alignment  Connector Mounting Type  Board Mount  Mating Alignment  Without  Connector Mounting Type  Board Mount  Mating Alignment  With  Housing Features  Housing Material  Nylon 66 GF  Centerline (Pitch)  Dimensions  Connector Width  1 - 1.6 mm [.339063 in]  Connector Leight  6 mm [.236 in]  Connector Leight  6 mm [.236 in]  Connector Leight  6 mm [.236 in]	Mating Square Post Dimension	.64 mm[.025 in]
Contact Base Material Brass  PCB Contact Termination Area Plating Material Tin  Contact Mating Area Plating Material Finish Bright  Contact Mating Area Plating Material Tin (Sn)  Contact Type Pin  Contact Current Rating (Max) 3.A  Termination Features  Termination Post & Tail Length 3.4 mm[.134 in]  Square Termination Post & Tail Dimension .44 mm[.025 in]  Termination Method to PCB Through Hole - Solder  Mechanical Attachment  Mating Retention Without  PCB Mount Retention Type Kinked Tines  Mating Alignment Type Polarization  PCB Mount Retention With  PCB Mount Retention With  PCB Mount Retention With  Housing Features  Housing Material With  Housing Features  Housing Material Nylon 66 GF  Centerline (Ritch) 2.5 mm[.098 in]  Dimensions  Connector Width 3.8 mm[.15 in]  PCB Tinkness (Recommended) 1 – 1.6 mm[.039 – .063 in]  Connector Height 6 mm[.236 in]  Connector Length 15 mm[.591 in]	Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Finish Bright Contact Mating Area Plating Material Tin (Sn) Contact Type Pin Contact Current Rating (Max) 3 A  Termination Peatures  Termination Post & Tail Length Square Termination Post & Tail Dimension Ad mmi, 025 in] Termination Method to PCB Through Hole - Solder  Mechanical Attachment  Mating Retention Without PCB Mount Retention Type Kinked Tines  Mating Alignment Type Polarization PCB Mount Retention With PCB Mount Retention With Housing Features Housing Material Nylon 66 GF Centerline (Ptch) Dimensions  Connector Width 3.8 mmi, 15 in] PCB Thickness (Recommended) Connector Height Connector Height Connector Height Connector Length 15 mmi, 591 in]	Contact Mating Area Length	3.45 mm[.136 in]
Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Type Pin Contact Current Rating (Max) 3 A  Termination Peatures  Termination Post & Tail Length 3.4 mml_134 in] Square Termination Post & Tail Dimension 4.64 mml_025 in] Termination Method to PCB Through Hole - Solder  Mechanical Attachment  Mating Retention PCB Mount Retention Type Kinked Tines  Mating Alignment Type Polarization PCB Mount Retention With PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Mating Alignment With  Housing Features  Housing Material Nylon 66 GF Centerline (Pitch) 2.5 mml_039 = .063 in] Connector Width PCB Thickness (Recommended) 1 - 1.6 mml_039063 in] Connector Height 6 mml_236 in] Connector Height Connector Length 15 mml_591 in]	Contact Base Material	Brass
Contact Mating Area Plating Material  Contact Type  Pin  Contact Current Rating (Max)  3 A  Termination Post & Tail Length  Square Termination Post & Tail Dimension  Termination Method to PCB  Mechanical Attachment  Mating Retention  PCB Mount Retention Type  Mating Alignment Type  PCB Mount Retention  Without  PCB Mount Retention  Without  Connector Mounting Type  Board Mount  Mating Alignment  With  Housing Features  Housing Material  Centerline (Pitch)  Dimensions  Connector Width  3.8 mm[.15 in]  PCB Tim [.591 in]  Connector Height  Connector Length  15 mm[.591 in]	PCB Contact Termination Area Plating Material	Tin
Contact Type Pin  Contact Current Rating (Max) 3 A  Termination Features  Termination Post & Tail Length 3.4 mm[.134 in]  Square Termination Post & Tail Dimension .64 mm[.025 in]  Termination Method to PCB Through Hole Solder  Mechanical Attachment  Mating Retention Without  PCB Mount Retention Type Kinked Tines  Mating Alignment Type Polarization  PCB Mount Alignment  Without  Connector Mounting Type Board Mount  Mating Alignment  With  Housing Features  Housing Features  Housing Material Nylon 66 GF  Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 3.8 mm[.15 in]  PCB Thickness (Recommended) 1 – 1.6 mm[.039 – .063 in]  Connector Height 6 mm[.236 in]  Connector Length 15 mm[.591 in]	Contact Mating Area Plating Material Finish	Bright
Contact Current Rating (Max)  Termination Features  Termination Post & Tail Length Square Termination Post & Tail Dimension  Termination Method to PCB Through Hole - Solder  Mechanical Attachment  Mating Retention Without PCB Mount Retention Type Kinked Tines  Mating Alignment Type Polarization PCB Mount Retention With PCB Mount Alignment Without  Connector Mounting Type Board Mount  Mating Alignment With  Housing Features  Housing Material Nylon 66 GF Centerline (Pitch)  Dimensions  Connector Width 3.8 mm[.15 in] PCB Thickness (Recommended)  1 - 1.6 mm[.039063 in] Connector Length  6 mm[.236 in]  Connector Length  15 mm[.591 in]	Contact Mating Area Plating Material	Tin (Sn)
Termination Features  Termination Post & Tail Length 3.4 mm[.134 in]  Square Termination Post & Tail Dimension .64 mm[.025 in]  Termination Method to PCB Through Hole - Solder  Mechanical Attachment  Mating Retention Without  PCB Mount Retention Type Kinked Tines  Mating Alignment Type Polarization  PCB Mount Retention With  PCB Mount Alignment  Connector Mounting Type Board Mount  Mating Alignment Without  Connector Mounting Type Board Mount  Housing Features  Housing Material Nylon 66 GF  Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 3.8 mm[.15 in]  PCB Thickness (Recommended) 1 – 1.6 mm[.039 – .063 in]  Connector Height 6 mm[.236 in]  Connector Length 15 mm[.591 in]	Contact Type	Pin
Termination Post & Tail Length  Square Termination Post & Tail Dimension  .64 mm[.025 in]  Termination Method to PCB  Through Hole Solder  Mechanical Attachment  Mating Retention  Without  PCB Mount Retention Type  Kinked Tines  Mating Alignment Type  Polarization  PCB Mount Retention  With  PCB Mount Retention  With  PCB Mount Alignment  Connector Mounting Type  Board Mount  Mating Alignment  With  Housing Features  Housing Material  Centerline (Pitch)  Dimensions  Connector Width  3.8 mm[.15 in]  PCB Thickness (Recommended)  1 – 1.6 mm[.039 – .063 in]  Connector Height  6 mm[.236 in]  Connector Length  15 mm[.591 in]	Contact Current Rating (Max)	3 A
Square Termination Post & Tail Dimension .64 mm[.025 in]  Termination Method to PCB Through Hole - Solder  Mechanical Attachment  Mating Retention Without  PCB Mount Retention Type Kinked Tines  Mating Alignment Type Polarization  PCB Mount Retention With  PCB Mount Alignment Without  Connector Mounting Type Board Mount  Mating Alignment With  Housing Features  Housing Material Nylon 66 GF  Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 3.8 mm[.15 in]  PCB Thickness (Recommended) 1 – 1.6 mm[.039 – .063 in]  Connector Height 6 mm[.236 in]  Connector Length 15 mm[.591 in]	Termination Features	
Termination Method to PCB  Mechanical Attachment  Mating Retention  PCB Mount Retention Type  Mating Alignment Type  PCB Mount Retention  With  PCB Mount Alignment  Connector Mounting Type  Board Mount  Mating Alignment  With  With  With  Housing Features  Housing Material  Centerline (Pitch)  Dimensions  Connector Width  PCB Thickness (Recommended)  Connector Height  Connector Length  Through Hole - Solder  Without  Cinnes  Kinked Tines  With  With  With  With  With  With  With  3.8 mm[.15 in]  Connector Height  6 mm[.236 in]	Termination Post & Tail Length	3.4 mm[.134 in]
Mechanical Attachment       Without         Mating Retention       Without         PCB Mount Retention Type       Kinked Tines         Mating Alignment Type       Polarization         PCB Mount Retention       With         PCB Mount Alignment       Without         Connector Mounting Type       Board Mount         Mating Alignment       With         Housing Features       Housing Material         Centerline (Pitch)       2.5 mm[.098 in]         Dimensions         Connector Width       3.8 mm[.15 in]         PCB Thickness (Recommended)       1 – 1.6 mm[.039 – .063 in]         Connector Height       6 mm[.236 in]         Connector Length       15 mm[.591 in]	Square Termination Post & Tail Dimension	.64 mm[.025 in]
Mating Retention  PCB Mount Retention Type  Kinked Tines  Mating Alignment Type  Polarization  PCB Mount Retention  With  PCB Mount Alignment  Without  Connector Mounting Type  Board Mount  Mating Alignment  With  Housing Features  Housing Material  Centerline (Pitch)  Dimensions  Connector Width  PCB Thickness (Recommended)  Connector Height  Connector Length  Kinked Tines  Rinked Tines  Nother  Polarization  With  With  1 - 1.6 mm[.039063 in]  Connector Length  1 - 1.6 mm[.236 in]	Termination Method to PCB	Through Hole - Solder
PCB Mount Retention Type Mating Alignment Type Polarization  PCB Mount Retention With  PCB Mount Alignment Without  Connector Mounting Type Board Mount  Mating Alignment With  Housing Features  Housing Material Nylon 66 GF  Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 3.8 mm[.15 in]  PCB Thickness (Recommended) 1 – 1.6 mm[.039 – .063 in]  Connector Height 6 mm[.236 in]  Connector Length	Mechanical Attachment	
Mating Alignment Type Polarization  PCB Mount Retention With  PCB Mount Alignment Without  Connector Mounting Type Board Mount  Mating Alignment With  Housing Features  Housing Material Nylon 66 GF  Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 3.8 mm[.15 in]  PCB Thickness (Recommended) 1 – 1.6 mm[.039 – .063 in]  Connector Height 6 mm[.236 in]  Connector Length 15 mm[.591 in]	Mating Retention	Without
PCB Mount Retention With  PCB Mount Alignment Without  Connector Mounting Type Board Mount  Mating Alignment With  Housing Features  Housing Material Nylon 66 GF  Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 3.8 mm[.15 in]  PCB Thickness (Recommended) 1 – 1.6 mm[.039 – .063 in]  Connector Height 6 mm[.236 in]  Connector Length	PCB Mount Retention Type	Kinked Tines
PCB Mount Alignment  Connector Mounting Type  Board Mount  Mating Alignment  With  Housing Features  Housing Material  Centerline (Pitch)  Dimensions  Connector Width  PCB Thickness (Recommended)  Connector Height  Connector Length  Without  Board Mount  With  With  3.8 mm [.15 in]	Mating Alignment Type	Polarization
Connector Mounting Type  Mating Alignment  With  Housing Features  Housing Material  Centerline (Pitch)  Nylon 66 GF  2.5 mm[.098 in]  Dimensions  Connector Width  3.8 mm[.15 in]  PCB Thickness (Recommended)  1 – 1.6 mm[.039 – .063 in]  Connector Height  6 mm[.236 in]  Connector Length	PCB Mount Retention	With
Mating Alignment  Housing Features  Housing Material  Nylon 66 GF  Centerline (Pitch)  2.5 mm[.098 in]  Dimensions  Connector Width  3.8 mm[.15 in]  PCB Thickness (Recommended)  1 – 1.6 mm[.039 – .063 in]  Connector Height  6 mm[.236 in]  Connector Length  15 mm[.591 in]	PCB Mount Alignment	Without
Housing Features  Housing Material  Centerline (Pitch)  Dimensions  Connector Width  PCB Thickness (Recommended)  Connector Height  Connector Length  Nylon 66 GF  2.5 mm[.098 in]  3.8 mm[.15 in]  1 – 1.6 mm[.039 – .063 in]  6 mm[.236 in]	Connector Mounting Type	Board Mount
Housing Material  Centerline (Pitch)  Dimensions  Connector Width  PCB Thickness (Recommended)  Connector Height  Connector Length  Nylon 66 GF  2.5 mm[.098 in]  3.8 mm[.15 in]  1 – 1.6 mm[.039 – .063 in]  6 mm[.236 in]	Mating Alignment	With
Centerline (Pitch)       2.5 mm[.098 in]         Dimensions       3.8 mm[.15 in]         PCB Thickness (Recommended)       1 – 1.6 mm[.039 – .063 in]         Connector Height       6 mm[.236 in]         Connector Length       15 mm[.591 in]	Housing Features	
DimensionsConnector Width3.8 mm[.15 in]PCB Thickness (Recommended)1 – 1.6 mm[.039 – .063 in]Connector Height6 mm[.236 in]Connector Length15 mm[.591 in]	Housing Material	Nylon 66 GF
Connector Width3.8 mm[.15 in]PCB Thickness (Recommended)1 – 1.6 mm[.039 – .063 in]Connector Height6 mm[.236 in]Connector Length15 mm[.591 in]	Centerline (Pitch)	2.5 mm[.098 in]
PCB Thickness (Recommended)  1 – 1.6 mm[.039 – .063 in]  Connector Height  6 mm[.236 in]  Connector Length  15 mm[.591 in]	Dimensions	
Connector Height  Connector Length  6 mm[.236 in]  15 mm[.591 in]	Connector Width	3.8 mm[.15 in]
Connector Length 15 mm[.591 in]	PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
	Connector Height	6 mm[.236 in]
Usage Conditions	Connector Length	15 mm[.591 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	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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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



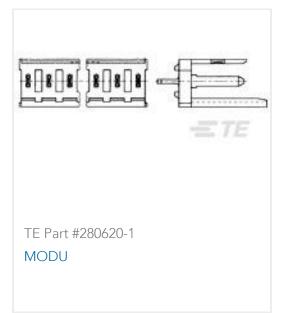






## Customers Also Bought













10X2.00MM







### **Documents**

Product Drawings

2.5MM,HDR,5POS,VERTICAL, CONNECTOR

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_440052-5\_A8.2d\_dxf.zip



English

**Customer View Model** 

ENG\_CVM\_CVM\_440052-5\_A8.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_440052-5\_A8.3d\_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**

AMP 2.5MM PITCH HPI WIRE TO BOARD SYSTEM.

English

**Application Specification** 

English

### **Agency Approvals**

**UL Report** 

English

**UL Report** 

English