

TE Internal #: 440052-2

PCB Mount Header, Vertical, Wire-to-Board, 2 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: 2

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	2
Number of Rows	1

### **Electrical Characteristics**

Operating Voltage 250 VDC
---------------------------

### **Body Features**



Contact Features  Maring Square Post Dimension Contact Shape & Form Square Contact Mating Area Length Contact Mating Area Length Contact Mating Area Length Contact Termination Area Plating Material PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Contact Mating Area Plating Material Tin (Sn) Contact Type Pin Contact Gurrent Rating (Max) A A  Termination Features  Lermination Features  Lermination Post & Lail Length A A mmj.134 inj Square Termination Post & Tail Dimension A min.025 inj Lermination Method to PCB Inhough Hole Solder  Mechanical Attachment  Mating Retention PCB Mount Retention Type Rolarization PCB Mount Retention Type PCB Mount Alignment PCB Mount Alignment With PCB Mount Alignment With Housing Features  Housing Material Nyien 66 GP Centerline (Pitch) Dimensions  Connector Wolth A mmj.036 inj Dimensions  Connector Wolth A mmj.039 – 063 nj Connector Height A mmj.236 inj Connector Height A mmj.236 inj Connector Height Connector Length A mmj.236 inj Connector Height Connector Length Connector Len	Duine and Dung alouat Callan	NI a to consider
Mating Square Post Dimension  Contact Shape & Form  Contact Mailing Area Length  Contact Base Material  PCB Contact Harmination Area Plating Material  Contact Mating Area Plating Material  Contact Mating Area Plating Material  Contact Mating Area Plating Material  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  Adming 025 in)  Termination Method to PCB  Timough Itale - Solder  Mechanical Attachment  Mating Retention  PCB Mount Retention Type  Mating Alignment Type  PCB Mount Retention  PCB Mount Alignment  Connector Mounting Type  Mating Alignment  With  Housing Features  Housing Material  Nyon 66 GF  Centerline (Pitch)  2.5 mm (.039 – .063 in)  Connector Medith  PCB Thickness (Recommended)  1 – 1.6 mm (.236 in)  Connector Height  Connector Length  L.5 mm (.296 in)	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  Contact Mating Area Plating Material Finish Bright  Contact Mating Area Plating Material Finish Bright  Contact Mating Area Plating Material  Contact Type Pin  Contact Current Rating (Max) 3.4 mml, 134 in]  Square Termination Features  Lemination Post & Tail Dimension 44 mml, 125 in]  Lemination 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  With  PCB Mount Alignment  Connector Mounting Type Board Mount  Mating Alignment  With  Housing Features  Housing Material Nylon 66 GF  Centerline (Pitch) 2.5 mml, 098 in]  Dimensions  Connector Width 3.8 mml, 15 in]  PCB Thickness (Recommended) 1 1.6 mml, 295 in]  Connector Height 6 mml, 295 in]  Connector Length 7.5 mml, 295 in]	Contact Features	
Contact Mating Area Length Contact Base Material Brass PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Finish Contact Mating Area Plating Material Fin Contact Type Pin Contact Current Rating (Max) 3. A  Termination Features  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 PCB Mount Retention 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 GI Centerline (Pitch) 2.5 mml.098 in  Dimensions  Connector Width PCB Thickness (Recommended) 1 - 1.6 mml.236 in  Connector Leight 6 mml.236 in  Connector Leight Connector Leig	Mating Square Post Dimension	.64 mm[.025 in]
Contact Base Material Brass  PCB Contact Termination Area Plating Material I I I I I I I I I I I I I I I I I I I	Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Contact Mating Area Plating Material I finish Contact Mating Area Plating Material Contact Type Pin Contact Current Rating (Max) 3 A  Termination Features  Termination Post & Tail Length Square Termination Post & Tail Dimension  Termination Method to PCB Through Hole - Solder  Mechanical Attachment  Mating Retention PCB Mount Retention Type Kinked Tinas  Mating Alignment Type Polarization PCB Mount Retention PCB Mount Retention Without  Connector Mounting Type Board Mount Housing Features  Housing Material Nylon 66 GF Centerline (Pitch) Dimensions  Connector Width PCB Thickness (Recommended) Connector Height Connector Height Connector Height PCB Tining Material Connector Height PCB Thickness (Recommended) Connector Height PCB Tining Material PCB Tining Material Connector Height PCB Tining Material PCB Tining Mate	Contact Mating Area Length	3.45 mm[.136 in]
Contact Mating Area Plating Material  Contact Type Pin Contact Type Pin Contact Current Rating (Max) 3 A  Termination Post & Tail Length Square Termination Post & Tail Length Square Termination Method to PCB Through Hole Solder  Mechanical Attachment  Mating Retention PCB Mount Retention Type Mating Alignment Type PCB Mount Retention PCB Mount Retention PCB Mount Retention Without Connector Mounting Type Board Mount Mating Alignment Mount Retention PCB Mount Alignment With PCB Mount Dignment With 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[.039 .063 in] Connector Length 7.5 mm[.295 in]	Contact Base Material	Brass
Contact Mating Area Plating Material  Contact Type  Pin  Contact Current Rating (Max)  3 A  Termination Peatures  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  Mating Alignment Type  PCB Mount Retention  Without  Connector Mounting Type  Mating Alignment  With  Housing Features  Housing Material  Centerline (Pitch)  Dimensions  Connector Width  3.8 mm[.15 in]  PCB Thickness (Recommended)  Connector Height  6 mm[.236 in]  Connector Length  7.5 mm[.295 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 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 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 7.5 mm[.295 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) Connector Height 6 mm[.236 in] Connector Height Connector Length 7.5 mm[.295 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 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 7.5 mm[.295 in]	Contact Type	Pin
Termination Post & Tail Length  Square Termination Post & Tail Dimension  Ad mm[.025 in]  Termination Method to PCB  Through Hole - Solder  Mechanical Attachment  Mating Retention  Without  PCB Mount Retention Type  Mating Alignment Type  PCB Mount Retention  With  PCB Mount Retention  With  PCB Mount Alignment  With  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)  Connector Height  6 mm[.236 in]  Connector Length  7.5 mm[.295 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 7.5 mm[.295 in]	Termination Features	
Termination Method to PCB  Mechanical Attachment  Mating Retention  PCB Mount Retention Type  Mating Alignment Type  PCB Mount Retention  PCB Mount Retention  With  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  Through Hole - Solder  Mithout  Cinnes  Kinked Tines  Kinked Tines  With  With  With  Polarization  With  With  With  3.8 rm[.15 in]  1 - 1.6 rm[.039063 in]  Connector Height  Connector Length	Termination Post & Tail Length	3.4 mm[.134 in]
Mechanical Attachment  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  Nylon 66 GF  Centerline (Pitch)  Dimensions  Connector Width  PCB Thickness (Recommended)  Connector Height  6 mm[.236 in]  Connector Length  7.5 mm[.295 in]	Square Termination Post & Tail Dimension	.64 mm[.025 in]
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 7.5 mm[.295 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 7.5 mm[.295 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 7.5 mm[.295 in]	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  With  With  With  3.8 mm[.15 in]  6 mm[.236 in]  7.5 mm[.295 in]	Mating Alignment Type	Polarization
Connector Mounting Type  Mating Alignment  With  Housing Features  Housing Material  Centerline (Pitch)  Dimensions  Connector Width  PCB Thickness (Recommended)  Connector Height  Connector Length  Board Mount  With  Board Mount  With  Alignment  With  Alignment  Support Alignment  Alignment  Support Alignment  With  Alignment  Support Alignment  With  Alignment  Support Alignment  Support Alignment  With  Alignment  Support Alignment  Support Alignment  With  Alignment  Support Alignment  Support Alignment  Support Alignment  With  Alignment  Support Alignment  Support Alignment  Support Alignment  Support Alignment  With  Housing Alignment  Nylon 66 GF  2.5 mm[.098 in]  Dimensions  Connector Width  3.8 mm[.15 in]  Connector Height  6 mm[.236 in]  Connector Length	PCB Mount Retention	With
Mating Alignment  Housing Features  Housing Material  Nylon 66 GF  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  7.5 mm[.295 in]	PCB Mount Alignment	Without
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  7.5 mm[.295 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]  1.5 mm[.098 in]  6 mm[.15 in]  7.5 mm[.295 in]	Mating Alignment	With
Centerline (Pitch)       2.5 mm[.098 in]         Dimensions	Housing Features	
DimensionsConnector Width3.8 mm[.15 in]PCB Thickness (Recommended)1 – 1.6 mm[.039 – .063 in]Connector Height6 mm[.236 in]Connector Length7.5 mm[.295 in]	Housing Material	Nylon 66 GF
Connector Width  PCB Thickness (Recommended)  1 – 1.6 mm[.039 – .063 in]  Connector Height  6 mm[.236 in]  Connector Length  7.5 mm[.295 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  7.5 mm[.295 in]	Dimensions	
Connector Height  Connector Length  7.5 mm[.295 in]	Connector Width	3.8 mm[.15 in]
Connector Length 7.5 mm[.295 in]	PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
	Connector Height	6 mm[.236 in]
Usage Conditions	Connector Length	7.5 mm[.295 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**







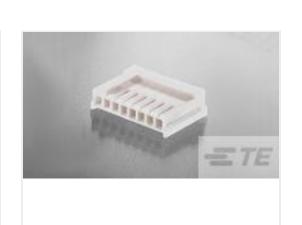


## Customers Also Bought







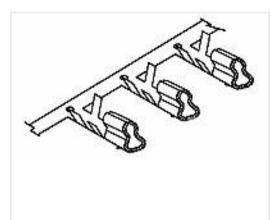


E 17

TE Part #1775134-1 MOD JACK, RJ45, SINGLE, 6u" Au

TE Part #440133-2 2.5MM,HSG,2POS









TE Part #440134-1 2.5mm, Crimp Contact

TE Part #1735446-6 2MM PITCH HPI POST HEADER, VERTICAL, 6P

TE Part #5-534267-5

TE Part #114022-E ERMB 125 FS 1 EED9 \* 3,70 A-E V-V \* TE Part #1571102-3 PRCDA1-20F-BB0CW,POWER ROCKER

### **Documents**

**Product Drawings** 

2.5MM,HDR,2POS,VERTICAL, CONNECTOR

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

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



English

**Customer View Model** 

ENG\_CVM\_CVM\_440052-2\_A8.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_440052-2\_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