

1-440053-4 ✓ ACTIVE

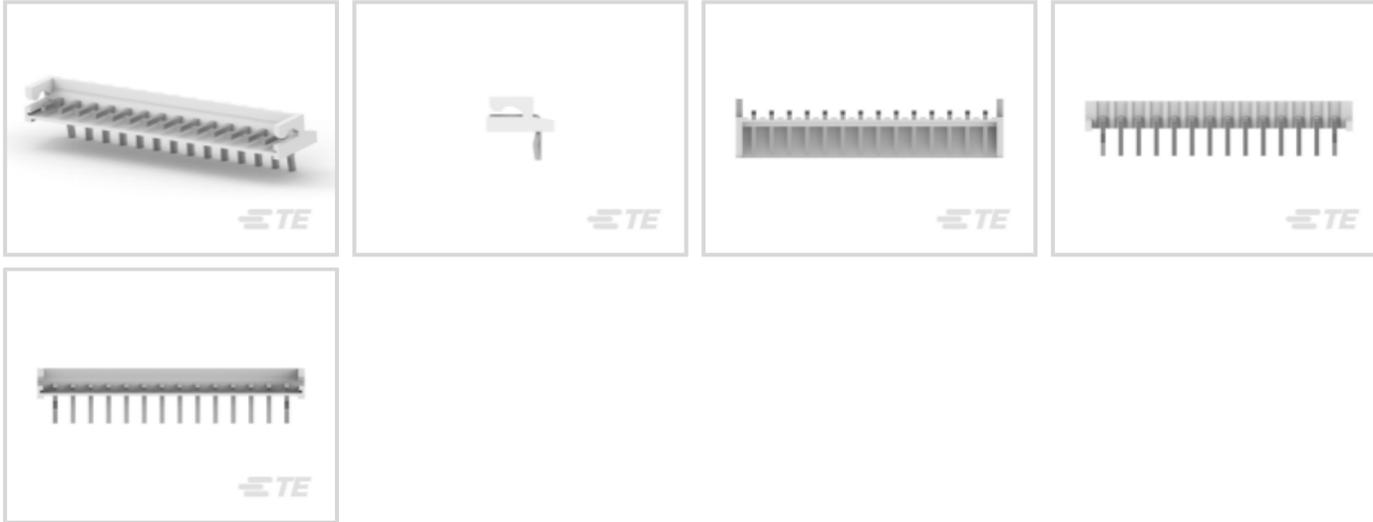


TE Internal #: 1-440053-4

PCB Mount Header, Right Angle, Wire-to-Board, 14 Position, 2.5 mm [.098 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Press-Fit, 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: **Right Angle**

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

Number of Positions: **14**

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

| | |
|-----------------------|-------------|
| PCB Mount Orientation | Right Angle |
| Number of Positions | 14 |
| Number of Rows | 1 |

Electrical Characteristics

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

Body Features



| | |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

| | |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
|------------------------------|-----------------|

| | |
|----------------------|--------|
| Contact Shape & Form | Square |
|----------------------|--------|

| | |
|----------------------------|---------------|
| Contact Mating Area Length | 4 mm[.158 in] |
|----------------------------|---------------|

| | |
|-----------------------|-------|
| Contact Base Material | Brass |
|-----------------------|-------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|--------------------------------------|----------|
| 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 | .64 mm[.025 in] |
|--|-----------------|

| | |
|---------------------------|--------------------------|
| Termination Method to PCB | Through Hole - Press-Fit |
|---------------------------|--------------------------|

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

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|------------------|-------------|
| Housing Material | Nylon 66 GF |
|------------------|-------------|

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 2.5 mm[.098 in] |
|--------------------|-----------------|

Dimensions

| | |
|-----------------|-----------------|
| Connector Width | 8.2 mm[.323 in] |
|-----------------|-----------------|

| | |
|-----------------------------|----------------------------|
| PCB Thickness (Recommended) | 1 – 1.6 mm[.039 – .063 in] |
|-----------------------------|----------------------------|

| | |
|------------------|-----------------|
| Connector Height | 4.2 mm[.165 in] |
|------------------|-----------------|

| | |
|------------------|-------------------|
| Connector Length | 37.5 mm[1.476 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 | 14000 |
| 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 | 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: JAN 2025 (247) Candidate List Declared Against: JUNE 2022 (224) 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 | Not lead free process capable |

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

[2.5MM,HDR,14POS,R/A](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-440053-4_A2.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-440053-4_A2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-440053-4_A2.3d_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