

440054-6 ✓ ACTIVE

TE Internal #: 440054-6

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, Natural, Bag

[View on TE.com >](#)



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



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

[All AMP HPI 2.0 mm Headers \(206\)](#)

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Electrical Characteristics



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

Body Features

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

Contact Features

PCB Contact Termination Area Plating Material Finish	Bright
--	--------

Contact Mating Area Plating Material Thickness	2.032 μ m[80 μ in]
--	----------------------------

Mating Square Post Dimension	.5 mm[.02 in]
------------------------------	---------------

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

Contact Mating Area Length	3.35 mm[.131 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
--------------------------------------	-----

Contact Type	Pin
--------------	-----

Contact Current Rating (Max)	3 A
------------------------------	-----

Termination Features

Terminations per Post (Max)	3
-----------------------------	---

Termination Post & Tail Length	3.4 mm[.134 in]
--------------------------------	-----------------

Square Termination Post & Tail Dimension	.5 mm[.02 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 mm[.079 in]
--------------------	---------------

Dimensions



Connector Width	4.7 mm[.185 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
Connector Height	6.05 mm[.238 in]
Connector Length	14 mm[.551 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 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 Drawings

[2.0MM,HDR,6POS,VERTICAL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_440054-6_F4.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_440054-6_F4.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_440054-6_F4.3d_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

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English