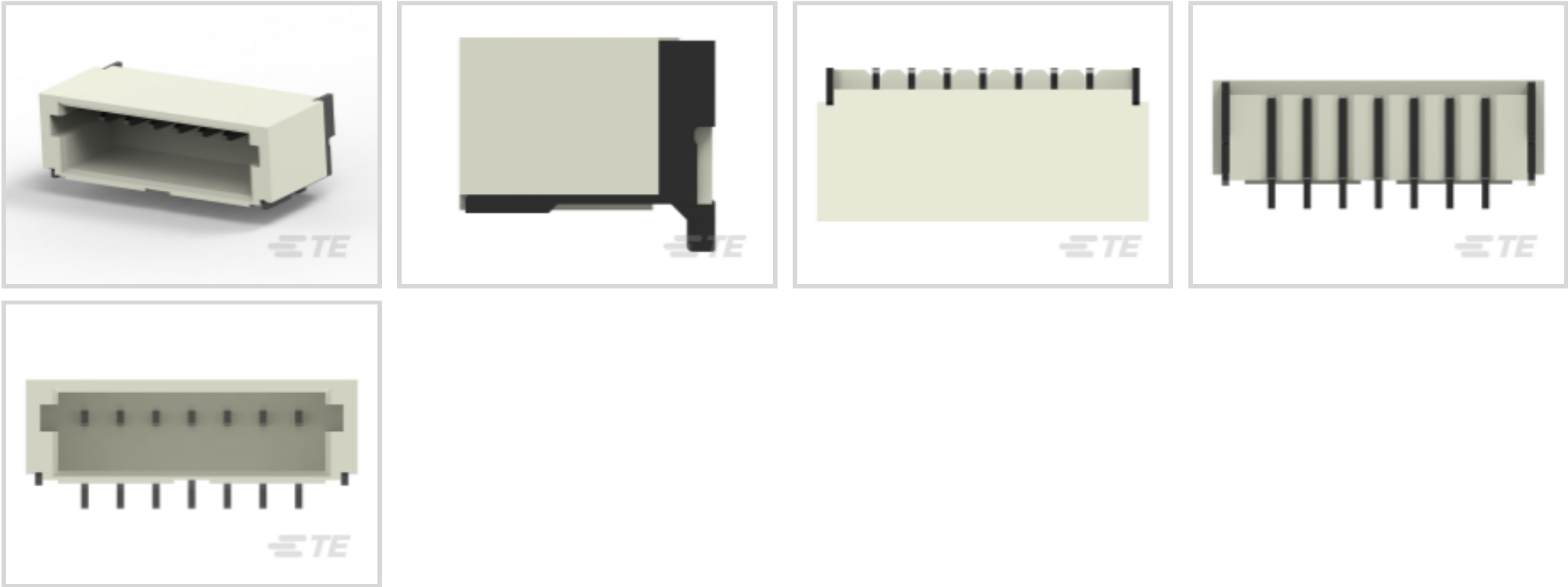




Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 1.0 mm Headers



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

Number of Rows: **1**

[All AMP HPI 1.0 mm Headers \(0\)](#)

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC
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Body Features

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Primary Product Color	Ivory
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.048 µm[120 µin]
Mating Tab Width	.49 mm[.019 in]
PCB Contact Termination Area Plating Material Thickness	3.05 µm[120 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Nickel (Ni)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Width	.3 mm[.012 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Terminations per Post (Max)	3
Termination Post & Tail Length	.7 mm[.028 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention Type	Solder Peg
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	High Temperature Thermoplastic
Centerline (Pitch)	1 mm[.039 in]

Dimensions

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Connector Width	5.1 mm[.2 in]
Connector Height	4.3 mm[.169 in]
Connector Length	9.3 mm[.366 in]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1000
Packaging Method	Tape

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 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°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

TE Part # 1470364-7
1.0MM W T B RECPT,7POS HOUSING

Customers Also Bought

TE Part #1-1879216-6
CPF 0402 71K5 0.1% 25PPM 1K RL

TE Part #1-1879214-3
CPF 0402 432R 0.1% 25PPM 1K RL

TE Part #1-1879623-3
H4 250R 0.1% 25PPM

TE Part #8-1676481-8
CPF 0603 36K 0.1% 25PPM 1K RL

TE Part #3-1437719-9
T01-0550-S07-FEMALE PLUG
CONNECTOR SOLDE

TE Part #5-1676481-1
CPF 0603 680R 0.1% 25PPM 1K RL

TE Part #CAT-H857-H34210
AMP HPI 1.0 mm Headers

TE Part #4-1625827-5
TL3A R033 1% 2K RL

TE Part #103960-5
4X6 MTE RCPT SR LATCH .100CL

Documents

Product Drawings
1.0 WTB SR VT HDR 7 POS

English

CAD Files
Customer View Model
ENG_CVM_1734595-7_A1.3d_igs.zip

English



Customer View Model

[ENG_CVM_1734595-7_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1734595-7_A1.2d_dxf.zip](#)

English

3D PDF

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