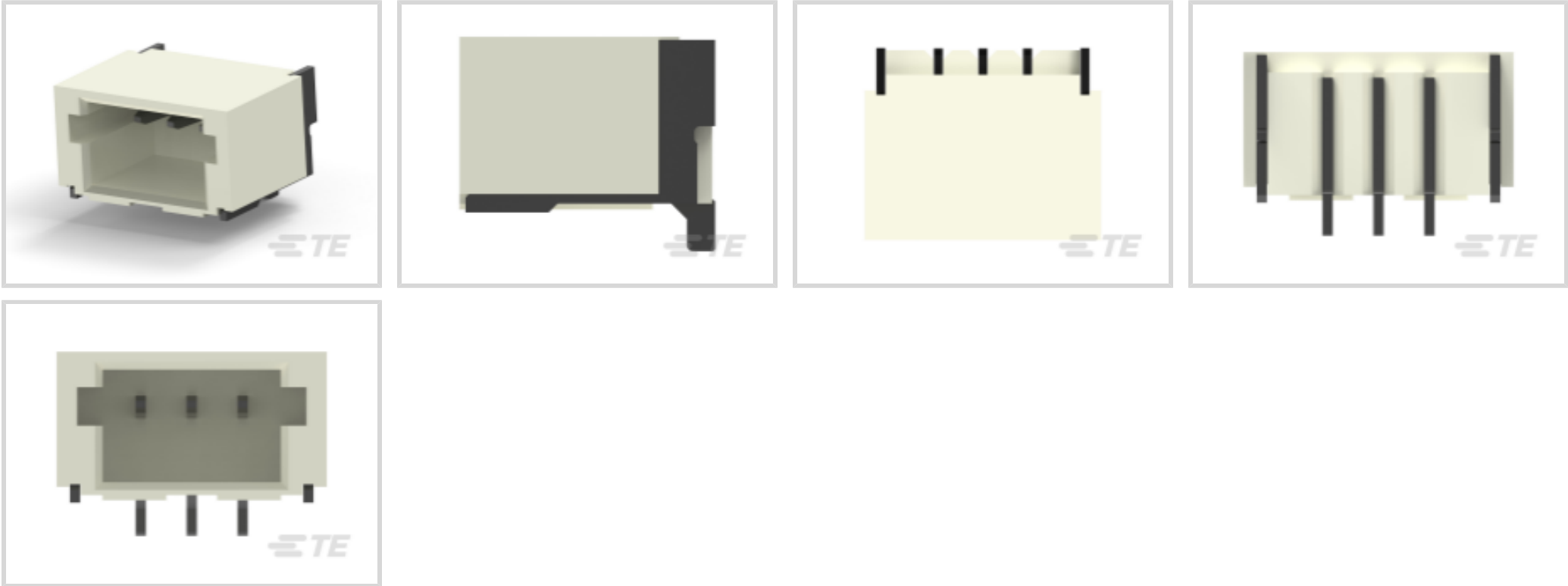


TE Internal #: 1734595-3
PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 1mm [.039in] Centerline, 1 Row, Nickel, Ivory Housing Color, Fully Shrouded
[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles > AMP HPI 1.0MM HEADERS



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **3**
Centerline (Pitch): **1 mm [.039 in]**

[All AMP HPI 1.0MM HEADERS \(28\)](#)

Features

Product Type Features

PCB Connector Assembly 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	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC
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Contact Features



Contact Layout	Inline
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	3.05 µm[120 µin]
Mating Tab Width	.49 mm[.019 in]
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Nickel
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.048 µm[120 µin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

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

Mechanical Attachment

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

Housing Features

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



Dimensions

Connector Length	5.3 mm[.209 in]
Connector Height	4.3 mm[.169 in]
Connector Width	5.1 mm[.2 in]
Wire Size	28 AWG

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # CAT-H857-H817210
AMP HPI 1.0MM RECEPTACLE HOUSINGS

TE Part # CAT-H857-C7671100
HPI: 1mm Wire-to-Board Contact

Customers Also Bought

TE Part #1470364-3
AMP HPI 1.0MM RECEPTACLE HOUSINGS

TE Part #1658670-3
D-Sub Connector Contacts: Pin, Brass, Signal, Size 22

TE Part #1734595-2
AMP HPI 1.0MM HEADERS

TE Part #1-5146888-1
Free Height Plug Connector: Board-Board, Vertical, 64, 1mm

TE Part #1586842-2
2P MICRO MNL ASY,VRT,REV REEL

TE Part #1734577-2
MOD-JK,8P8C,SHD W/LED, G/Y,15U"

TE Part #8-87589-6
06 MODII HDR DRST SHRD .100CL

TE Part #1326032-1
1.5/2.8 CONNECTOR SYSTEM, RECPT AND TAB

Documents

Product Drawings
1.0 WTB SR VT HDR 3 POS

English

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

English

Customer View Model
ENG_CVM_1734595-3_A1.3d_stp.zip



English

Customer View Model

[ENG_CVM_1734595-3_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

Product Environmental Compliance

[MD_1734595-3_050420142255_dmtec](#)

English

[MD_1734595-3_050420142255_dmtec](#)

English