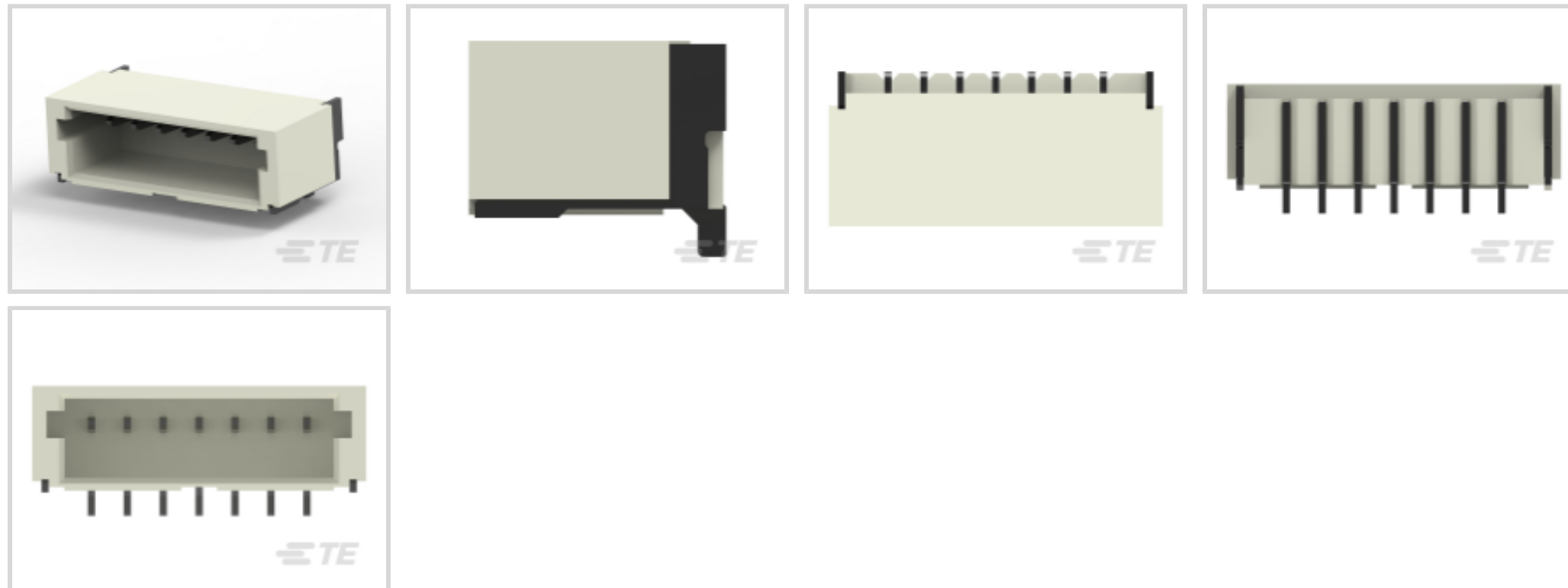




Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 1.0 mm Headers



Connector System: **Wire-to-Board**  
 Number of Positions: 7  
 Number of Rows: 1  
 Centerline (Pitch): 1 mm [ .039 in ]  
 PCB Mount Orientation: **Vertical**

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

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

Operating Voltage	50 VAC
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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 Thickness	3.05 $\mu\text{m}$ [120 $\mu\text{in}$ ]
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Contact Layout	Inline
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Mating Tab Width	.49 mm[.019 in]
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Mating Tab Thickness	.2 mm[.008 in]
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Contact Mating Area Plating Material Thickness	3.048 $\mu\text{m}$ [120 $\mu\text{in}$ ]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Finish	Matte
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material	Nickel
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Contact Type	Pin
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Contact Current Rating (Max)	3 A
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### Termination Features

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

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

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

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

### 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 Type	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

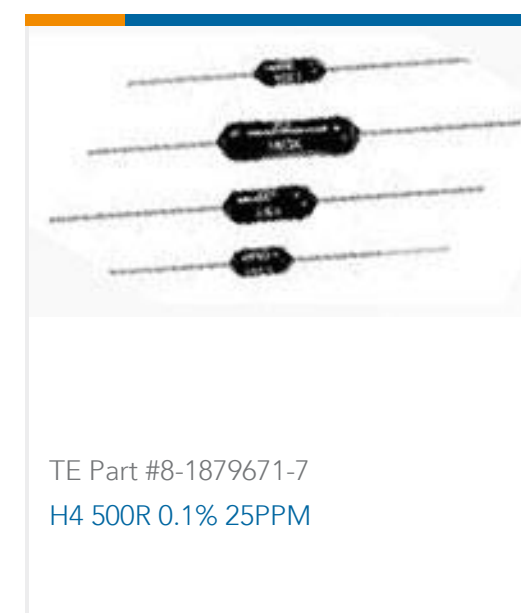
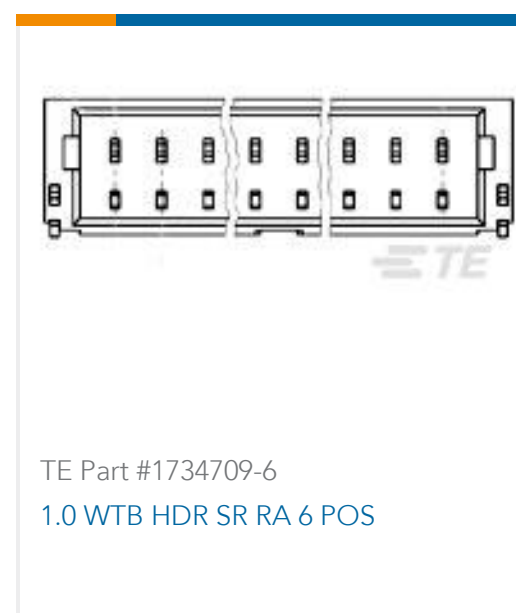
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



## Customers Also Bought



## 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.

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[Datasheets & Catalog Pages](#)

[HPI Connectors QRG](#)

English

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[Product Specifications](#)

[Application Specification](#)

English