



HPI

TE Internal #: 2041145-8

PCB Mount Header, Right Angle, Wire-to-Board, 8 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, Signal, HPI

[View on TE.com >](#)

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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **8**

Number of Rows: **1**

[All AMP HPI 2.0 mm Headers \(183\)](#)

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

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	100 VDC, 250 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

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PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2.032 µm[80 µin]
Mating Square Post Dimension	.5 mm[.02 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.03 µm[80 µin]
Contact Layout	Inline
Contact Mating Area Length	3.35 mm[.131 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
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 Type	Locking
Mating Retention	With
PCB Mount Retention Type	Kinked Legs
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
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Width	7.7 mm[.303 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]



Connector Height	5.8 mm[.228 in]
Connector Length	18 mm[.709 in]

Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	300
Packaging Method	Bag, Box

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: JAN 2025 (247) 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 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 # 440055-8  
2.0MM,HDR,8POS,R/A

Also in the Series | HPI

Connector Contacts(1)

PCB Headers & Receptacles(332)

Rectangular Connector Housings(51)

Rectangular Power Connectors(275)

Standard Rectangular Connectors(51)

Wire-to-Board Connector Assemblies & Housings(83)

Wire-to-Board Headers & Receptacles (332)

Customers Also Bought

TE Part #5646574-1  
Z-PACK A/B REC ASY 125P 2MMHM

TE Part #1676644-2  
RN 0805 12R1 0.1% 10PPM 1K RL

TE Part #5-146131-4  
10 MODII HDR DRST SFMNT B/A LF

TE Part #4-1879208-7  
CPF 0402 820R 0.1% 25PPM 1K RL





TE Part #1-1879214-2  
CPF 0402 422R 0.1% 25PPM 1K RL



TE Part #5-146274-1  
01 MODII HDR SRST B/A .100CL



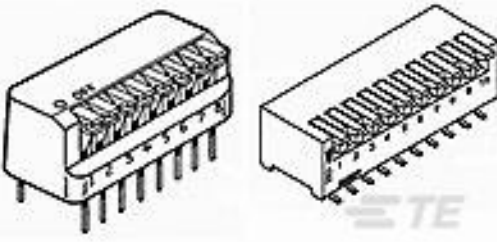
TE Part #2176058-3  
RLP73V 3A R012 5% 2K RL



TE Part #2176244-3  
CRGS0805 5% 1R5



TE Part #7-1625867-2  
RP 1J 0.166W 34R8 0.1% 25PPM 1K RL



TE Part #5435802-1  
RIGHT ANGLE DIP SW 8P AU

Documents

Product Drawings

HPI 2.0MM CONN., R/A, DIP, 8P

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2041145-8\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2041145-8\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2041145-8\_A.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