



Connectors > PCB Connectors > PCB Headers & Receptacles > AMPSEAL PCB Right-Angle Headers



Connector System: **Wire-to-Board**  
Number of Positions: **23**  
Centerline (Pitch): **4 mm [ .157 in ]**  
Sealable: **Yes**  
PCB Mount Orientation: **Right Angle**

[All AMPSEAL PCB Right-Angle Headers \(63\)](#)

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	23
PCB Mount Orientation	Right Angle
Number of Rows	3

Body Features

Primary Product Color	Black
Connector & Keying Code	1

Contact Features

Contact Type	Pin
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	8 A



Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	4 mm[.157 in]
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Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
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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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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-AM78-CH8172  
[AMPSEAL Receptacle Housings](#)

## Also in the Series | AMPSEAL

Automotive Connector Locks & Position Assurance(1)

Automotive Housings(31)

Automotive Terminals(8)


Connector Backshells(4)

Connector Seals & Cavity Plugs(2)

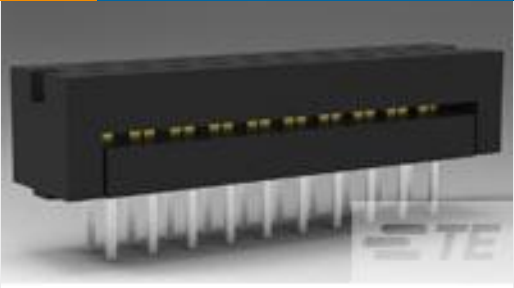
PCB Headers & Receptacles(120)

## Customers Also Bought







TE Part #963357-6  
Low & Medium Power Header




TE Part #1-746610-9  
40 DIP PLUG, 100CL, LEAD FREE



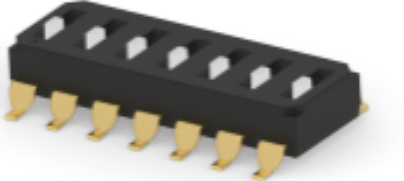
TE Part #6-1879028-7  
RN 0805 249K 0.1% 10PPM 1K RL




TE Part #1-2176339-8  
CRGCQ 0603 270R 1%



TE Part #3-2176339-1  
CRGCQ 0603 3K3 1%



TE Part #2-2319847-8  
END STACK DIP 7P G RAISED T&R



TE Part #2389806-1  
STRAIN RELIEF, 23 POSITION  
AMPSEAL

TE Part #1-1617030-4  
HFW1201D24 = HFW 1/2 SIZE RELA

Documents

Product Drawings  
23POS,PIN DIA 1.3,HDR ASSY,90DEG,COD 1  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_770669-1\_P.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_770669-1\_P.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_770669-1\_P.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages  
AMPSEAL Connector Catalog  
English  
ICT Terminals and Connectors Catalogue  
English  
CONNECTOR SELECTOR  
English

Product Specifications



Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English