



Connectors > PCB Connectors > PCB Headers & Receptacles > AMPSEAL PCB Vertical Headers



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

Number of Positions: **23**

Centerline (Pitch): **4 mm [.157 in]**

Sealable: **Yes**

PCB Mount Orientation: **Vertical**

[All AMPSEAL PCB Vertical Headers \(56\)](#)

Features

Product Type Features

Connector Shape	Rectangular
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	Vertical
Number of Rows	3

Body Features

Primary Product Color	Black
Connector & Keying Code	1

Contact Features

Contact Size	1.3mm
Contact Type	Pin



Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	17 A

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Operating Temperature Range	-40 – 125 °C[-40 – 257 °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: JUNE 2024 (241) 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	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 #1-776200-2
AMPSEAL PCB Vertical Headers

TE Part #DTM04-12PA
REC, 12P, GRY, N, A

TE Part #2112233-1
COVER,90,FOR 46POS

TE Part #DT06-12SB-CE06
PLG, 12P, BLK, E, SEAL RET, ENH KEY, B

TE Part #1825136-8
A101SYAV2B04

TE Part #1SNA176708R1600
BJMI5DR

TE Part #3-2112231-1
46POS,AMP MCP1.5K,REC HSG,ASSY

Documents

Product Drawings

23POS,PIN DIA 1.3,HDR ASSY,180DEG,COD 1

English

CAD Files

Customer View Model

ENG_CVM_1-776200-1_D3.3d_igs.zip

English

Customer View Model

ENG_CVM_1-776200-1_D3.3d_stp.zip

English

Customer View Model

ENG_CVM_1-776200-1_D3.2d_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-776200-1_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-776200-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-776200-1_G.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

Agency Approvals

UL Report

English