



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



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **23**

Number of Rows: **3**

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

Features

Body Features

Connector & Keying Code	4
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Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	23
Number of Rows	3

Contact Features

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

Termination Features



Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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

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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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 Headers(120)

Automotive Housings(31)

Connector Backshells(4)

Connector Seals & Cavity Plugs(2)

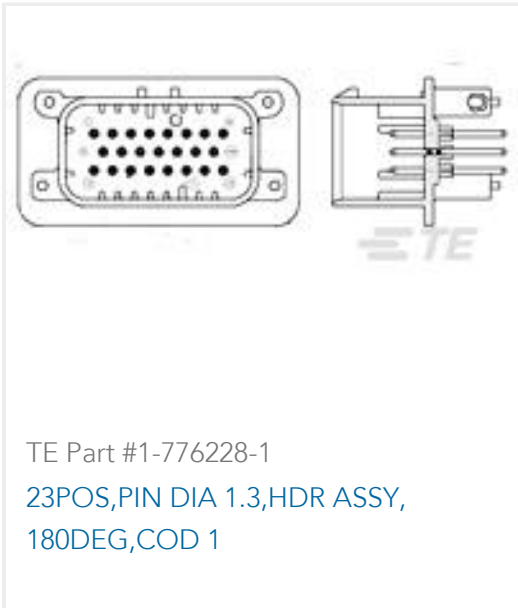
PCB Headers & Receptacles(120)

Wire-to-Board Headers & Receptacles (119)

Customers Also Bought



TE Part #CAT-C73765-M1H
M12 Panel Mount PCB



TE Part #1-776228-1
23POS, PIN DIA 1.3, HDR ASSY,
180DEG, COD 1



TE Part #1-770520-1
AMPSEAL, TERMINAL, GOLD PLATE,
22-24AWG WIR



TE Part #2119118-1
SDE Commercial Tool & Die



TE Part #2300275-1
zSFP+ 1x4 Cage Assembly, Press-Fit



TE Part #776441-1
AS 16, EXTRACTION TOOL



TE Part #1776186-1
PASSTHROUGH RECEPTACLE ASSY



TE Part #1-964106-2
MAG MATE KONTAKT

Documents

Product Drawings

23POS, PIN DIA 1.3, HDR ASSY, 180DEG, COD 4

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-776228-4_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-776228-4_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-776228-4_F.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 Series

English

AMPSEAL Connector Catalog

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English



Product Specifications

Application Specification

English

Agency Approvals

UL Report

English