



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

|                                   |                       |
|-----------------------------------|-----------------------|
| 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

|                         |   |
|-------------------------|---|
| Connector & Keying Code | 4 |
|-------------------------|---|

Contact Features

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

Termination Features



|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

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] |
|--------------------|----------------|

Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40 – 125 °C [-40 – 257 °F] |
|-----------------------------|-----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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



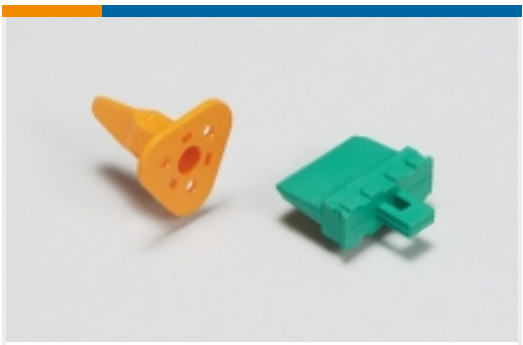
limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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)



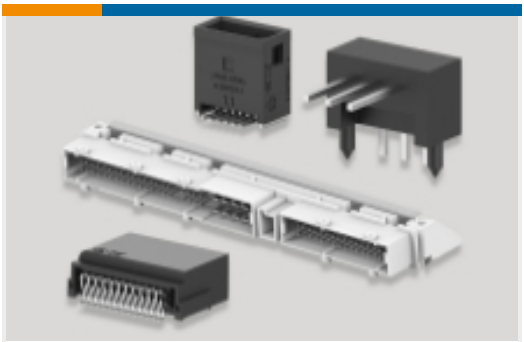
Automotive Terminals(8)



Connector Backshells(4)

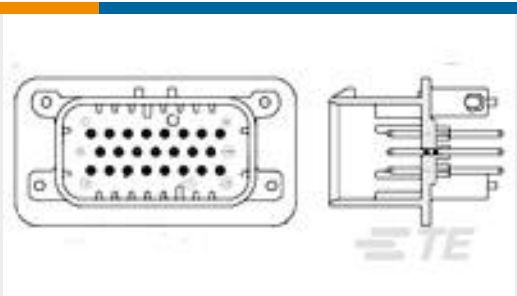


Connector Seals & Cavity Plugs(2)

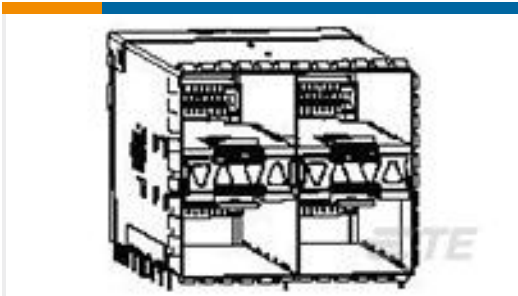


PCB Headers & Receptacles(120)

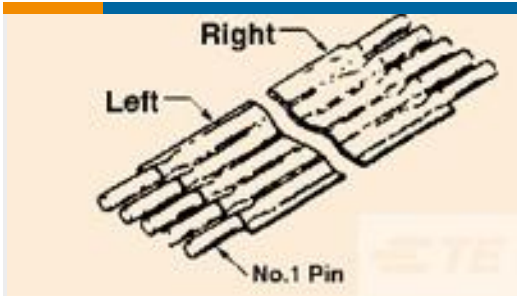
Customers Also Bought



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



TE Part #2198325-6  
zSFP+ STACKED 2X2 RECEPTACLE  
ASSEMBLY



TE Part #9-6474612-2  
FSN-22A-6



TE Part #6-2319848-4  
END STACK DIP1PGRECSSEALT&R



TE Part #2-2176372-5  
RQ 0603 88K7 0.1% 10PPM 5K RL



TE Part #DTF13-3P  
HDR, 3P, BLK, RA, SN/NI/CU



TE Part #1-1418773-1  
32pos MQS .63 header 180deg THR



TE Part #2338212-1  
PLUG SOCKET ASSY, 4P, W2W,  
SEALED COAX



TE Part #1-1617754-7  
FCA-410-1620M=M83536/16-020M

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 Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

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[CONNECTOR SELECTOR](#)

English

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[Product Specifications](#)

[Application Specification](#)

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[Agency Approvals](#)

[UL Report](#)

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