



Connectors > PCB Connectors > PCB Headers & Receptacles > PowerTube HVP-HD 1000 180° Headers



Connector System: **Bus Bar-to-Wire**

Number of Positions: **2**

Number of Rows: **1**

Centerline (Pitch): **36 mm [ 1.417 in ]**

Header Type: **Header & Push-Push Assembly**

[All PowerTube HVP-HD 1000 180° Headers \(87\)](#)

Features

Product Type Features

|                                   |                             |
|-----------------------------------|-----------------------------|
| Connector System                  | Bus Bar-to-Wire             |
| Header Type                       | Header & Push-Push Assembly |
| Sealable                          | Yes                         |
| Connector & Contact Terminates To | Bus Bar                     |
| Connector Product Type            | Connector Assembly          |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 2 |
| Number of Rows      | 1 |

Electrical Characteristics

|                              |          |
|------------------------------|----------|
| Operating Voltage            | 1000 VDC |
| Nominal Voltage Architecture | 1000 V   |

Body Features

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



|                         |              |
|-------------------------|--------------|
| Connector & Keying Code | C/D          |
| Primary Product Color   | Blue, Purple |

Contact Features

|                                      |                |
|--------------------------------------|----------------|
| Mating Pin Diameter                  | 10 mm[.393 in] |
| Contact Mating Area Plating Material | Silver (Ag)    |
| Contact Type                         | Pin            |

Termination Features

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

Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Alignment Type   | Polarization |
| Connector Mounting Type | Panel Mount  |
| Mating Alignment        | With         |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 36 mm[1.417 in] |
|--------------------|-----------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 140 °C[284 °F]             |
| Operating Temperature Range | -40 – 140 °C[-40 – 284 °F] |

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|                        |          |
|------------------------|----------|
| IP Rating              | IP6K9K   |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

|                  |           |
|------------------|-----------|
| Packaging Method | Container |
|------------------|-----------|

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)

SVHC > Threshold:

Dodecamethylcyclohexasiloxane (D6) (.71% in 20433499892)

Decamethylcyclopentasiloxane (D5) (2.41% in 30409098329)

Octamethylcyclotetrasiloxane (D4) (10% in Component Part)

**Article Safe Usage Statements:**  
Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Halogen Content           | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Not reviewed for solder process capability             |

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

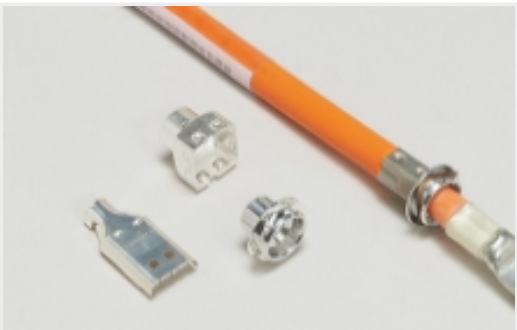


TE Part # CAT-AQ4-HFFTH1000  
PowerTube HVP-HD 1000 Plug Pre-Assemblies



TE Part # 2407806-1  
COVER, SHIPPING CAP FOR HD1000 HEADER

Also in the Series | [PowerTube HVP-HD 1000](#)



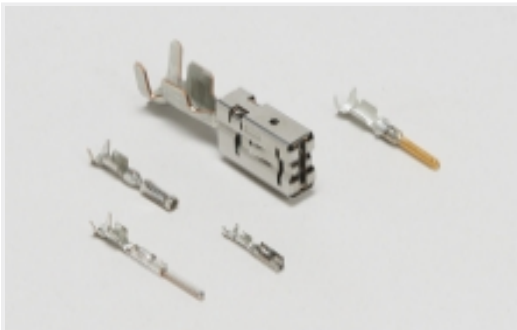
Automotive Connector EMC Shielding (4)



Automotive Headers(183)



Automotive Housings(27)



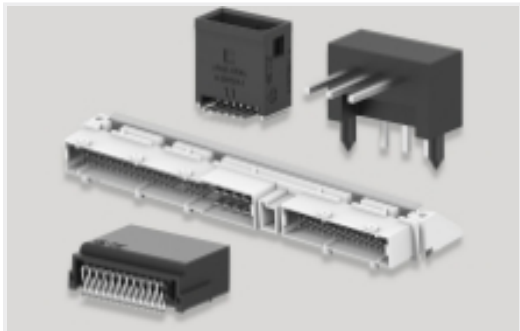
Automotive Terminals(6)



Connector Seals & Cavity Plugs(5)



Other Automotive Connector Accessories(29)



PCB Headers & Receptacles(183)



Rectangular Power Connectors(183)

## Customers Also Bought



TE Part #1-963734-1  
TAB 5.8x0.8 CONTACT CS SRC Sn



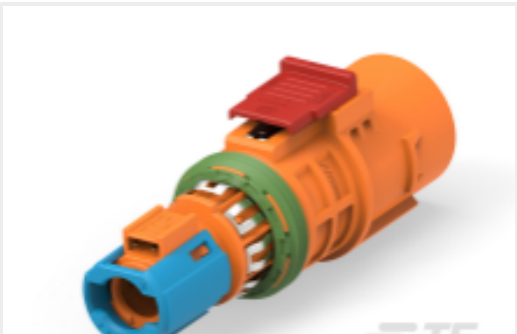
TE Part #2399669-3  
H&S 120mm, Cable cover



TE Part #CAT-AQ4-HHD1400180  
PowerTube HVP-HD 1400 180° Headers



TE Part #2-2371113-3  
2POS,DIA 4MM,SOC HSG ASSY,SLD, COD C



TE Part #CAT-AQ4-HFFTH1000  
PowerTube HVP-HD 1000 Plug Pre-Assemblies



TE Part #CAT-AQ4-HHD1000180  
PowerTube HVP-HD 1000 180° Headers

## Documents

Product Drawings  
2POS,HVP1000,ASSY,180DEG,COD C/D

English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2-2394061-2\_D.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2394061-2\\_D.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2394061-2\\_D.3d\\_igs.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[HIVONEX CONNECTORS & CHARGING SOLUTIONS](#)

English

Product Specifications

[Application Specification](#)

English