



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



PCB Mount Orientation: **Vertical**
Connector System: **Bus Bar-to-Wire**
Number of Positions: **1**
Number of Rows: **1**
Header Type: **Fully Shrouded**

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

Features

Product Type Features

| | |
|-----------------------------------|--------------------|
| Connector Shape | Circular |
| Connector System | Bus Bar-to-Wire |
| Header Type | Fully Shrouded |
| Sealable | Yes |
| Connector & Contact Terminates To | Bus Bar |
| Connector Product Type | Connector Assembly |

Configuration Features

| | |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 1 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|----------|
| Operating Voltage | 1000 VDC |
|-------------------|----------|



| | |
|------------------------------|--------|
| Nominal Voltage Architecture | 1000 V |
|------------------------------|--------|

Body Features

| | |
|-------------------------|---------|
| Connector & Keying Code | B |
| Primary Product Color | Natural |

Contact Features

| | |
|--------------------------------------|---------------|
| Mating Pin Diameter | 10 mm[.04 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 |
| PCB Mount Retention | Without |
| Connector Mounting Type | Panel Mount |
| Mating Alignment | With |

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:
Decamethylcyclopentasiloxane (D5) (2.41% in 30409052209)
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 | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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

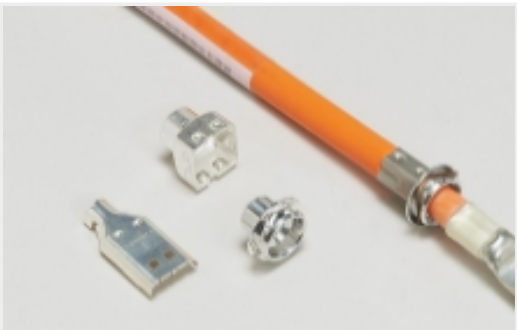


TE Part # 2407806-1
COVER, SHIPPING CAP FOR HD1000
HEADER



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

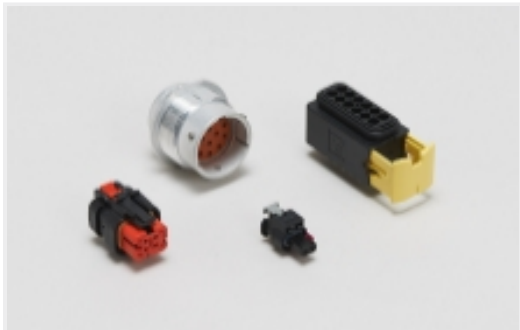
Also in the Series | [PowerTube HVP-HD 1000](#)



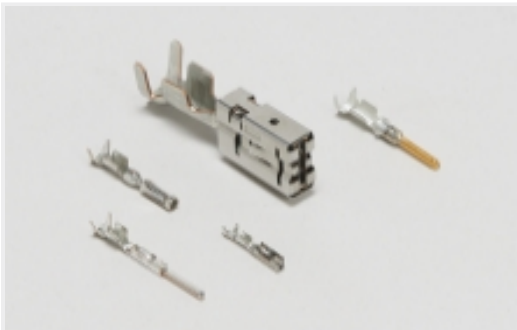
Automotive Connector EMC Shielding (4)



Automotive Headers(183)



Automotive Housings(27)



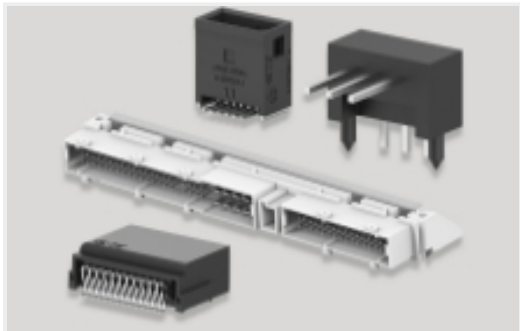
Automotive Terminals(6)



Connector Seals & Cavity Plugs(5)



Other Automotive Connector Accessories(29)



PCB Headers & Receptacles(183)



Rectangular Power Connectors(183)

Customers Also Bought



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



TE Part #2399606-2
1POS,HVP1400,ASSY,180DEG,COD B



TE Part #1-1534126-1
AMP MCP 2.8 SOCKET HSG.,15POS. ASSY



TE Part #284863-1
SINGLE WIRE SEAL F.EXT.INS.DIA



TE Part #CAT-C4962-B128
Circular DIN Backshells

Documents

Product Drawings
1POS,HVP1000,ASSY,180DEG,COD B

English

CAD Files
Customer View Model
ENG_CVM_CVM_4-2394060-2_D.3d_stp.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_4-2394060-2_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2394060-2_D.2d_dxf.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