



Connectors > PCB Connectors > PCB Headers & Receptacles > PowerTube HVP-HD 1400 180° Headers



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

Number of Positions: **2**

Number of Rows: **1**

Centerline (Pitch): **47 mm [1.85 in]**

Header Type: **Fully Shrouded**

[All PowerTube HVP-HD 1400 180° Headers \(90\)](#)

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

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	1000 VDC
Nominal Voltage Architecture	1000 V



Body Features

Connector & Keying Code	A/B
Primary Product Color	Black, Natural

Contact Features

Mating Pin Diameter	14 mm[.55 in]
Contact Mating Area Plating Material	Silver (Ag)
Contact Type	Pin

Termination Features

Termination Method to PCB	Through Hole - Screw
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Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention	Without
Connector Mounting Type	Panel Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	47 mm[1.85 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP6K9K
UL Flammability Rating	UL 94V-0

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Decamethylcyclopentasiloxane (D5) (2.41% in 30409226519) 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 # CAT-AQ4-HFFTH1400
PowerTube HVP-HD 1400 Plug Pre-Assemblies



TE Part # 2446256-3
HD1400 PRE-ASSY SU-BEAM,NO TPA, FINGER



TE Part # 2446256-1
HD1400 PRE-ASSY,NO TPA,FINGER



TE Part # 2446256-4
HD1400 PRE-ASSY SU-BEAM,NO TPA, TOOL




TE Part # 2407804-1
COVER, SHIPPING CAP FOR HD1400
HEADR



TE Part # 2446256-2
HD1400 PRE-ASSY, NO TPA, TOOL


Also in the Series | PowerTube HVP-HD 1400



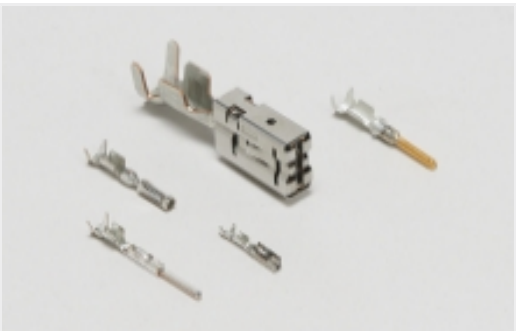
Automotive Connector Caps & Covers
(1)



Automotive Connector EMC Shielding
(5)



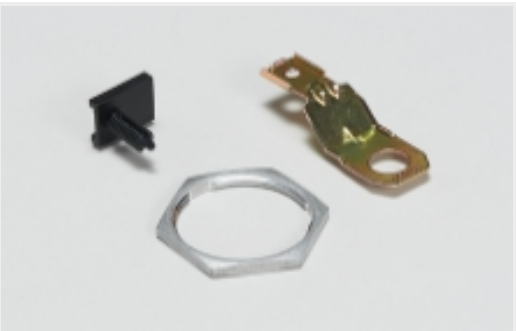
Automotive Housings(28)



Automotive Terminals(4)



Connector Caps & Covers(1)



Other Automotive Connector
Accessories(29)



PCB Headers & Receptacles(189)



Rectangular Power Connectors(189)

Customers Also Bought



TE Part #1-2394085-1
Pre-ASSY, Finger Access, Code K



TE Part #2-2399607-3
2POS, HVP1400, ASSY, 180DEG, COD E
/F



TE Part #2387549-3
CU ALLOY, INNER FERRULE, 120SQ



TE Part #2394112-2
H&S 50mm, Cable clip



TE Part #61454-1
WRAP TYPE TAB RECEPTACLE 24-20
AWG TPBR



TE Part #5-1618413-0
EV600HVANM = CONTACTOR, SPST-
NO 12V COIL



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



TE Part #CAT-AQ4-HHD1400090
PowerTube HVP-HD 1400 90° Headers



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_2399607-1_D.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2399607-1_D.3d_igs.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2399607-1_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