

4-2399606-1 ACTIVE

PowerTube | PowerTube HVP-HD 1400

TE Internal #: 4-2399606-1

Vertical, Bus Bar-to-Wire, 1 Position, 1 Row, Silver (Ag), Sealable,
Bus Bar, Power, Black, Panel Mount, PowerTube HVP-HD 1400

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Headers > PowerTube HVP-HD 1400 180° Headers



PCB Mount Orientation: **Vertical**

Termination Method to PCB: **Through Hole - Screw**

Sealable: **Yes**

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

Number of Positions: **1**

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

Features

Product Type Features

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

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	A
Primary Product Color	Black

Contact Features

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

Termination Features

Termination Method to PCB	Through Hole - Screw
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Mechanical Attachment

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

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	



Current ECHA Candidate List: JUNE 2025 (250)

Candidate List Declared Against: JUNE 2025 (250)

SVHC > Threshold:

Octamethylcyclotetrasiloxane (D4) (.47% in 30408935353)

Decamethylcyclopentasiloxane (D5) (2.41% in M-48908-1)

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



TE Part # 2405341-2
BLIND PLUG BLOCK ASSMBLY, TOOL UNLOCK.



TE Part # 2494561-1
HD1400 BLIND PLUG GEN2 NO SHIELD FINGER



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



TE Part # 2485609-2
HD1400 BLIND PLUG GEN2 TOOL



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



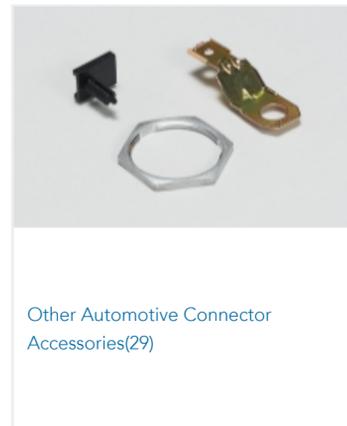
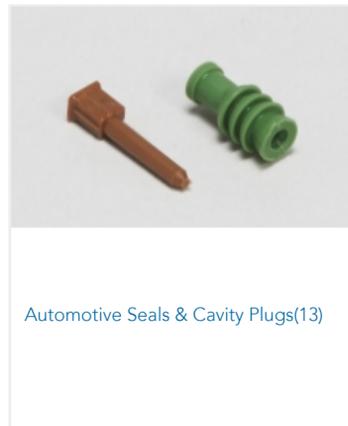
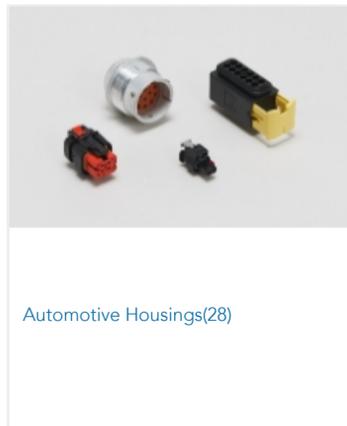
TE Part # CAT-AQ4-HFFTH1400
PowerTube HVP-HD 1400 Plug Pre-Assemblies



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



Also in the Series | **PowerTube HVP-HD 1400**



Customers Also Bought



Documents

Product Drawings

[1POS,HVP1400,ASSY,180DEG,COD A](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_4-2399606-1_E.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_4-2399606-1_E.3d_igs.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-2399606-1_E.3d_stp.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