

1-2399610-1 ✓ ACTIVE

PowerTube | PowerTube HVP-HD 1400

TE Internal #: 1-2399610-1

Bus Bar-to-Wire, 2 Position, 1 Row, 47mm [1.85in] Centerline, Silver (Ag), Sealable, Bus Bar, Power, Black / Natural, PowerTube HVP-HD 1400

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Automotive Parts > Automotive Connectors > Automotive Headers > PowerTube HVP-HD 1400 90° Headers



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

Sealable: **Yes**

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

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

Number of Positions: **2**

[All PowerTube HVP-HD 1400 90° 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

| | |
|---------------------|---|
| 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 Type | Pin |
| Contact Mating Area Plating Material | Silver (Ag) |

Termination Features

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

Mechanical Attachment

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

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | 47 mm[1.85 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 | 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) (10% in Component Part) Decamethylcyclopentasiloxane (D5) (2.41% in M-68282-2) 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 # CAT-AQ4-HFFTH1400
PowerTube HVP-HD 1400 Plug Pre-Assemblies



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



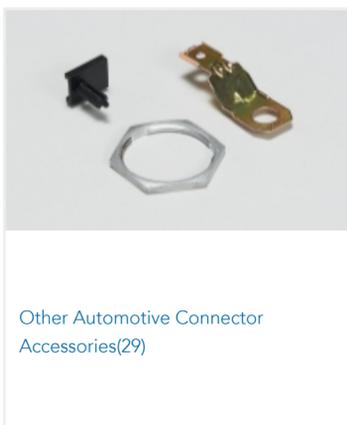
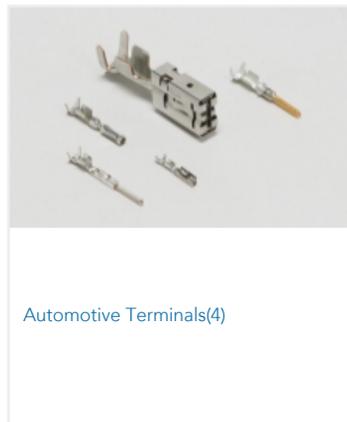
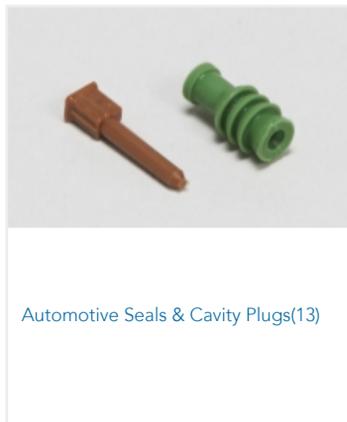
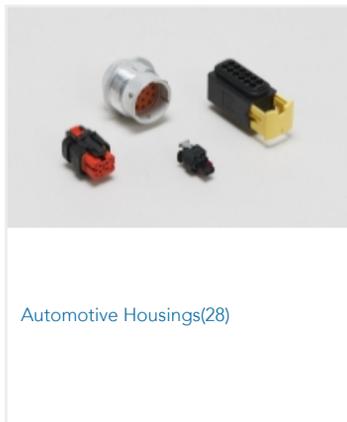
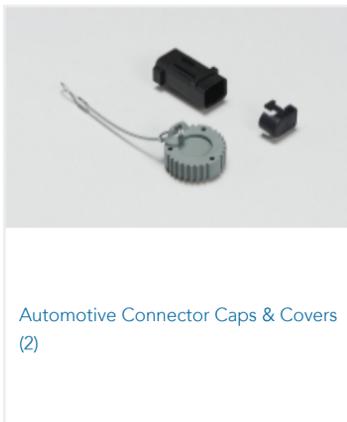
TE Part # 2446256-2
HD1400 PRE-ASSY,NO TPA,TOOL



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

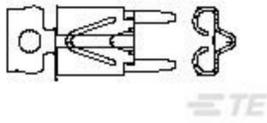


Also in the Series | **PowerTube HVP-HD 1400**



Customers Also Bought





TE Part #63994-1
FASTON 205/250 PCB MOUNTED
TPBR



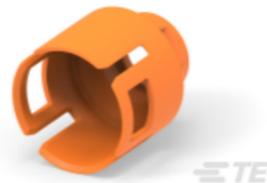
TE Part #770086-1
06P .093 COMM P&S RECPT HSG



TE Part #5-1437624-1
PKES60B1/8=KNOB



TE Part #2392558-2
SOC CONN CVR,3POS,DIA 4MM,ICT
CVE



TE Part #2394113-2
H&S 50mm, Cable cover

TE Part #F168413001
ASC86161B

Documents

Product Drawings

[2POS,HVP1400,ASSY,90DEG,COD A/B](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-2399610-1_D.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2399610-1_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2399610-1_D.3d_igs.zip](#)

English

3D PDF

3D

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