

2399663-8 ✓ ACTIVE

PowerTube | PowerTube HVP-HD 1400

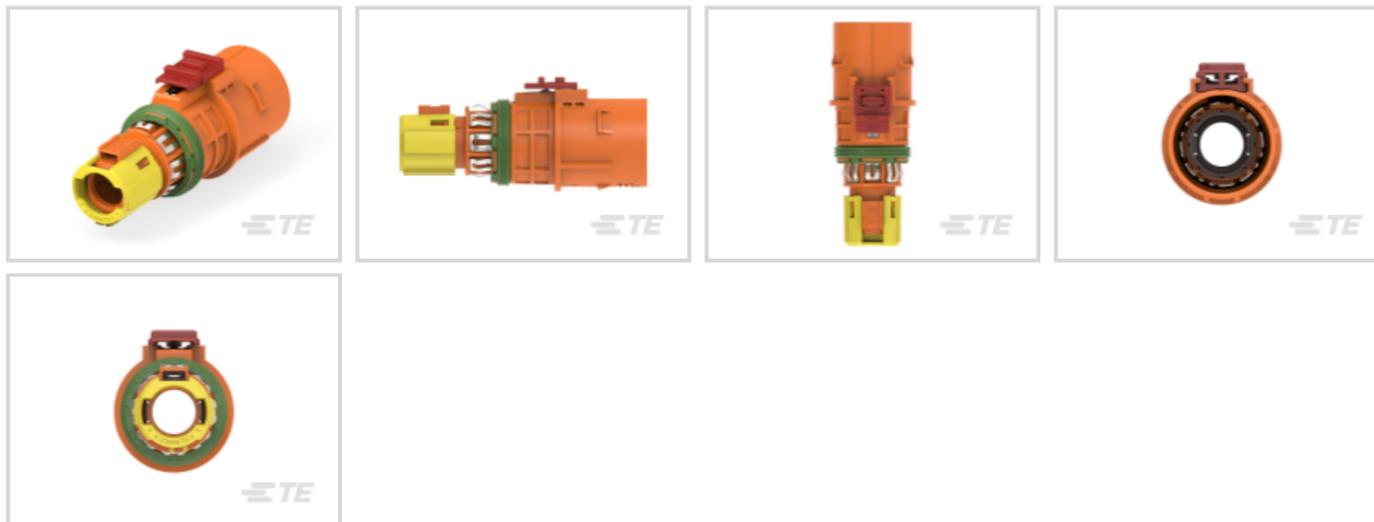
TE Internal #: 2399663-8

12 V, 1 Position, Automotive Housing for Female Terminals, Wire-to-Panel, Sealable, Orange, Wire & Cable, Power, PowerTube HVP-HD 1400

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > PowerTube HVP-HD 1400 Plug Pre-Assemblies



Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: 1

Sealable: **Yes**

Operating Temperature Range: **-40 – 140 °C [-40 – 284 °F]**

Number of Rows: 1

[All PowerTube HVP-HD 1400 Plug Pre-Assemblies \(24\)](#)

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector | Yes |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | Integrated in Housing |
| Connector System | Wire-to-Panel |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

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

Electrical Characteristics

| | |
|------------------------------|----------|
| Operating Voltage | 1000 VDC |
| Nominal Voltage Architecture | 12 V |



Body Features

| | |
|-------------------------|--------|
| Cable Exit Angle | 180° |
| Primary Product Color | Orange |
| Connector & Keying Code | H |

Contact Features

| | |
|---------------------|---------------|
| Contact Type | Socket |
| Mating Pin Diameter | 14 mm[.55 in] |

Mechanical Attachment

| | |
|-----------------------------|----------------------------|
| Strain Relief | With |
| Terminal Position Assurance | Yes |
| Mating Alignment Type | Polarization |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

| | |
|------------------|-------|
| Housing Material | PA GF |
|------------------|-------|

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|------------------------|----------|
| IP Rating | IPX9K |
| UL Flammability Rating | UL 94V-0 |

Other

| | |
|--------------------------------------|-----|
| Serviceable | Yes |
| Connector Position Assurance Capable | Yes |

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: JUNE 2025 (250)
 Candidate List Declared Against: JAN 2025 (247)
 SVHC > Threshold:
 Dodecamethylcyclohexasiloxane (D6) (.3% in Component Part)
 Decamethylcyclopentasiloxane (D5) (.3% in Component Part)
 Octamethylcyclotetrasiloxane (D4) (.3% 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 < 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-HHD1400180
 PowerTube HVP-HD 1400 180° Headers



TE Part # 2405341-1
 BLIND PLUG BLOCK ASSAMBLY, FINGER UNLOCK.



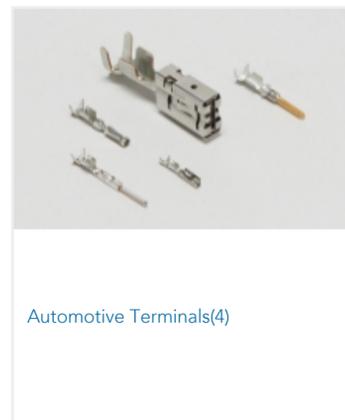
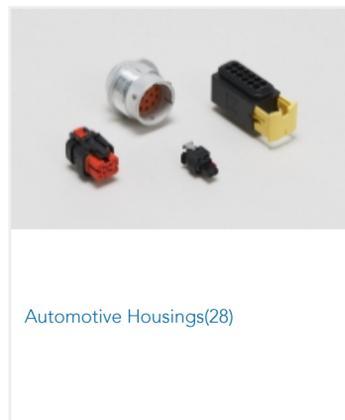
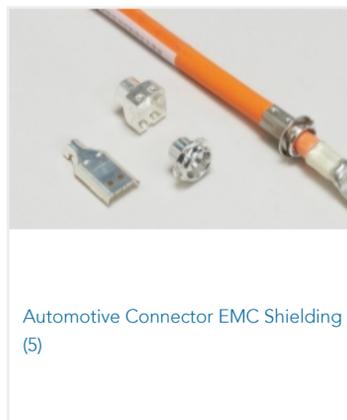
TE Part # 2-2399610-8
 2POS,HVP1400,ASSY,90DEG,CODE HG



TE Part # 2386340-4
 DIA 14MM,TERMINAL,FAM SLD /UNSLD,CB



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



Customers Also Bought



Documents

Product Drawings

[Pre-ASSY,Finger Access,Code H](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2399663-8_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2399663-8_C.3d_igs.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2399663-8_C.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