

2399663-1 ✓ ACTIVE

PowerTube | PowerTube HVP-HD 1400

TE Internal #: 2399663-1

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



Nominal Voltage Architecture: 12 V

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

Number of Positions: 1

Sealable: **Yes**

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

[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	A

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	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) (.3% in Component Part)

Dodecamethylcyclohexasiloxane (D6) (.3% in Component Part)

Decamethylcyclopentasiloxane (D5) (.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 # 2410841-1
BLIND PLUG BLOCK ASSAMBLY, FINGER UNLOCK.



TE Part # 2472249-1
HD1400 2PIN 90DEG AB CODE NO HVIL TOP



TE Part # 2399667-5
HS HIGH FLEX,95MM2,CABLE SWS



TE Part # 2458887-2
HD1400 2PIN 90DEG DB CODE NO HVIL BACK




TE Part # 2413971-3
HD1400 2PIN 180DEG AB CODE NO HVIL TOP



TE Part # 2399666-6
HS HIGH FLEX,120MM2,INNER SPACER



TE Part # 2399667-1
H&S 70mm, SWS



TE Part # CAT-AQ4-HHD1400180
PowerTube HVP-HD 1400 180° Headers



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



TE Part # 2413971-2
HD1400 2PIN 180DEG BB CODE NO HVIL TOP



TE Part # 2399667-2
H&S 95mm, SWS



TE Part # 2386340-1
DIA 14MM,TERMINAL,FAM SLD /UNSLD,CB



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



TE Part # 2445665-1
3POS,PIN DIA 14.0,HDR ASSY,180DEG



TE Part # 2414096-3
1POS DIA14.0 ASSY,180DEG THROUGH HOLE



TE Part # 2399668-4
HS,150MM,CABLE CLIP



TE Part # 2488528-1
HD1400 2PIN 180DEG CD CODE NO HVIL BACK



TE Part # 2399667-4
HS,150MM,SWS



TE Part # 2488527-1
HD1400 2PIN 180DEG AB CODE NO HVIL FRONT



TE Part # CAT-AQ4-PHA1400
PowerTube HVP-HD 1400 Accessories and Plug Components

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



Automotive Connector EMC Shielding (5)



Automotive Housings(28)



Automotive Seals & Cavity Plugs(13)



Other Automotive Connector Accessories(29)

Customers Also Bought



Documents

Product Drawings

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

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2399663-1_C.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2399663-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2399663-1_C.3d_igs.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