

2-2399610-1

✓ ACTIVE

PowerTube | PowerTube HVP-HD 1400

TE Internal #: 2-2399610-1

Bus Bar-to-Wire, 2 Position, 47 mm [1.85 in] Centerline, Fully Shrouded, Silver (Ag), Through Hole - Screw, Sealable, Power, PowerTube HVP-HD 1400

[View on TE.com >](#)

Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles &gt; HVP HD1400 90 deg



Connector System: Bus Bar-to-Wire

Number of Positions: 2

Number of Rows: 1

Centerline (Pitch): 47 mm [ 1.85 in ]

Termination Method to PCB: Through Hole - Screw

[All HVP HD1400 90 deg \(90\)](#)

## 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

### Configuration Features

Number of Positions	2
Number of Rows	1

### Electrical Characteristics

Nominal Voltage Architecture	1000 V
Operating Voltage	1000 VAC

### Body Features

Connector &amp; 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

**Mechanical Attachment**

Mating Alignment Type

Polarization

Connector Mounting Type

Panel Mount

Mating Alignment

With

PCB Mount Retention

Without

**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**

Degree of Protection

IP6K9K

UL Flammability Rating

UL 94V-0

**Packaging Features**

Packaging Method

Container

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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 2024

(241)

Candidate List Declared Against: JUNE  
2024 (241)

SVHC &gt; Threshold:

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

Not Yet Reviewed for halogen content

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  
Housing for Female Terminals HVP-HD  
1400



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



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



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

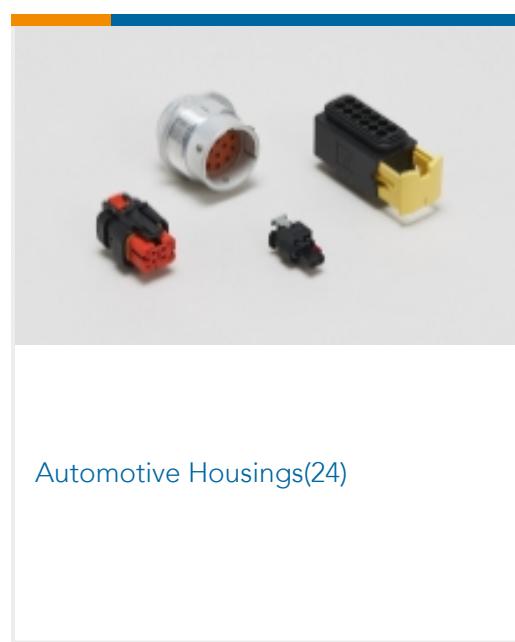


TE Part # 2446256-3  
HD1400 PRE-ASSY SU-BEAM,NO TPA,  
FINGER

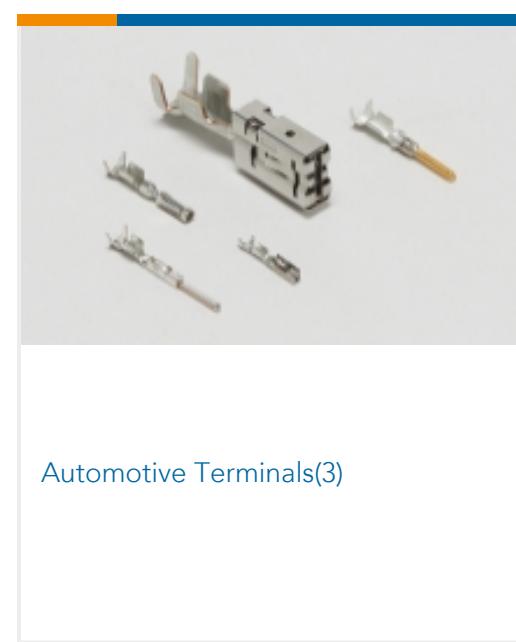


TE Part # 2446256-4  
HD1400 PRE-ASSY SU-BEAM,NO TPA,  
TOOL

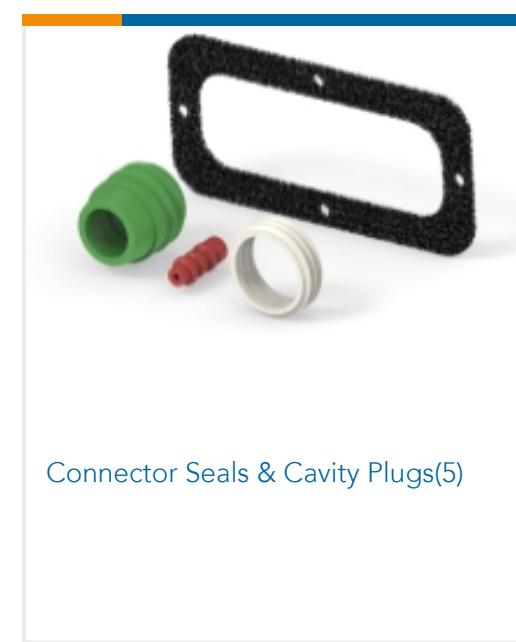
## Also in the Series | PowerTube HVP-HD 1400



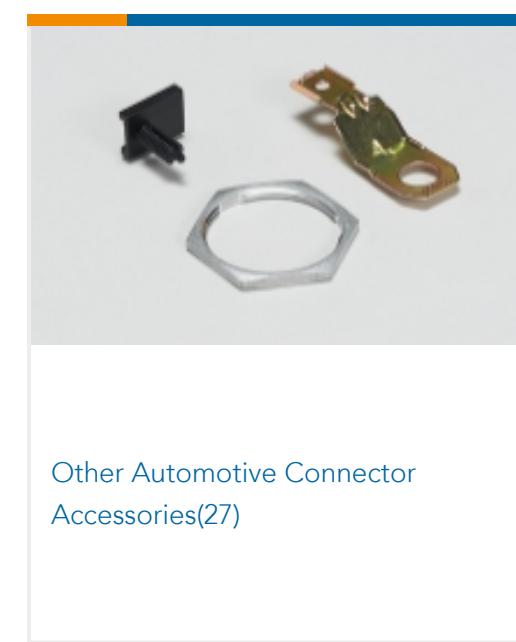
Automotive Housings(24)



Automotive Terminals(3)



Connector Seals &amp; Cavity Plugs(5)

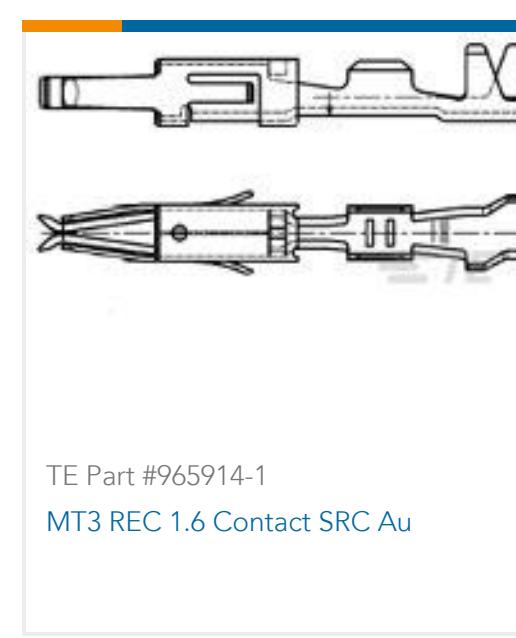


Other Automotive Connector Accessories(27)



PCB Headers &amp; Receptacles(183)

## Customers Also Bought

TE Part #HDP26-24-47SE-L017  
PLG, 47P, BLK, E, RNG, 16/20, STE Part #967067-1  
MQS SGL WIRE SEALTE Part #965914-1  
MT3 REC 1.6 Contact SRC AuTE Part #2-2394061-5  
2POS,HVP1000,ASSY,180DEG,COD J /KTE Part #2-2394071-5  
2POS,HVP1000,ASSY,90DEG,COD J /KTE Part #2-2399610-2  
HVP HD1400 90 degTE Part #2405341-1  
BLIND PLUG BLOCK ASSAMBLY,  
FINGER UNLOCK.TE Part #1-963745-2  
SPECIAL TERMINAL 20-17 AWG SLIPB  
LP

## Documents

### Product Drawings

2POS,HVP1400,ASSY,90DEG,COD A/B

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2399610-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2399610-1\\_B.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2399610-1\\_B.2d\\_dxf.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