



HVA 280

TE Internal #: 1587831-1

Vertical, Wire-to-Wire, 2 Position, 1 Rows, 10.4mm [.409in]  
Centerline, Tin (Sn), Sealable, 40A Contact Current Rating (Max),  
Power & Signal, HVA 280

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Automotive Parts > Automotive Connectors > Automotive Headers > High-Voltage Header



PCB Mount Orientation: **Vertical**  
Contact Current Rating (Max): **40 A**  
Sealable: **Yes**  
Centerline (Pitch): **10.4 mm [ .409 in ]**  
Connector System: **Wire-to-Wire**

[All High-Voltage Header \(3\)](#)

**Features**

**Product Type Features**

Mixed & Hybrid Header	No
Header Type	Fully Shrouded
Sealable	Yes
Connector System	Wire-to-Wire

**Configuration Features**

Number of Signal Positions	2
Number of Sections	1
PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1

**Electrical Characteristics**

Voltage Rating (Max)	600 VDC
Nominal Voltage Architecture	600 V

**Body Features**

Primary Product Color	Black
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**Contact Features**

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Mating Tab Width	2.8 mm[.11 in]
Mating Tab Thickness	2.8 mm[.11 in]
Contact Type	Blade
Contact Current Rating (Max)	40 A
Contact Mating Area Plating Material	Tin (Sn)

### Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Interface
PCB Mount Retention	Without
Mounting Holes	Without
PCB Mount Alignment	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Centerline (Pitch)	10.4 mm[.409 in]
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### Dimensions

Connector Width	53.9 mm[2.12 in]
Profile Height from PCB	34.6 mm[1.36 in]
Connector Length	38.2 mm[1.5 in]

### Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

### Operation/Application

Shielded	Yes
Circuit Application	Power & Signal

### Industry Standards

IP Rating	IP2B
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### Packaging Features

Packaging Quantity	1
Packaging Method	Package

### 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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Not applicable 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



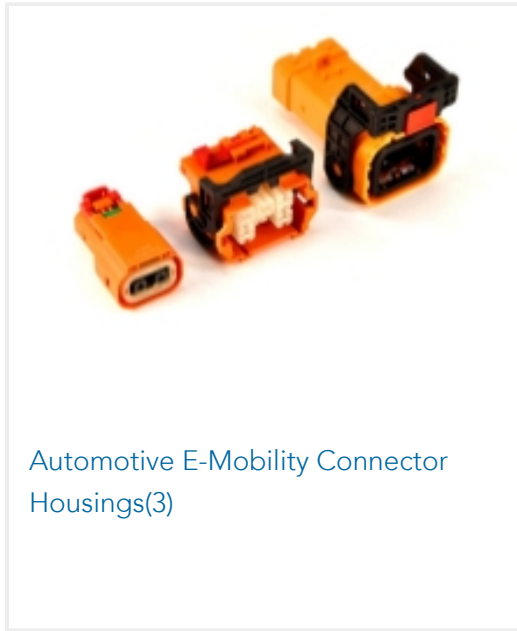
TE Part # 1587733-1  
SHIPPING CAP, CAP, HVA280-3PM



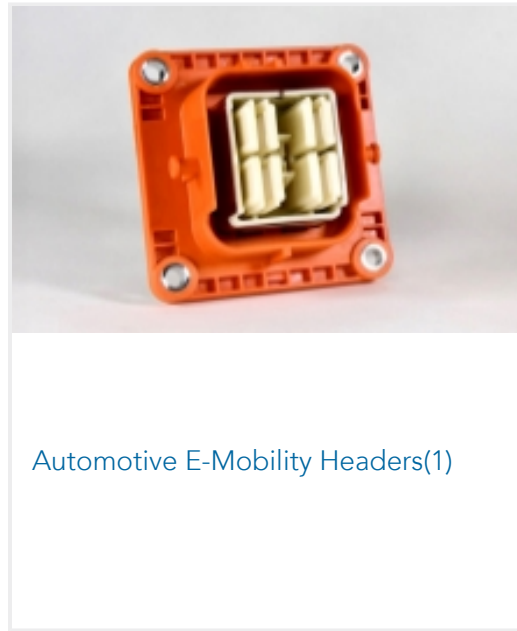
TE Part # 1587819-1  
PLUG ASSY, KEY A, HVA280-2PHI

TE Part # 1587832-1  
INNER HOUSING, HEADER HVA280-2P w/HVIL

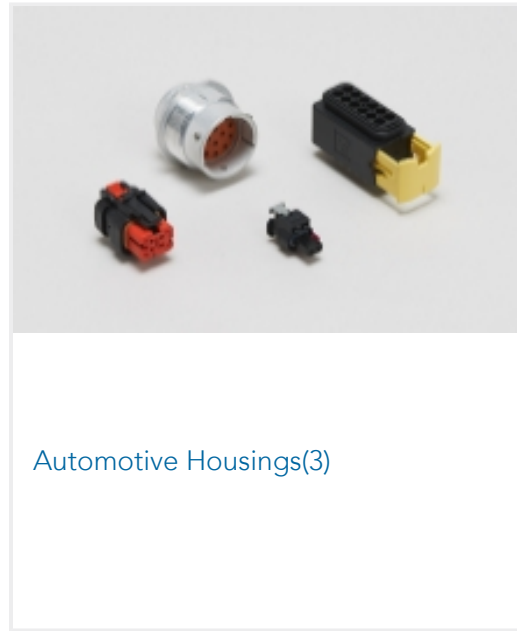
### Also in the Series | [HVA 280](#)



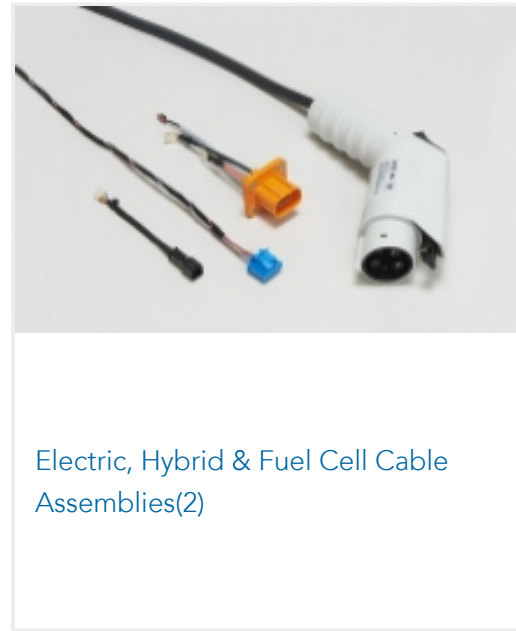
Automotive E-Mobility Connector Housings(3)



Automotive E-Mobility Headers(1)



Automotive Housings(3)

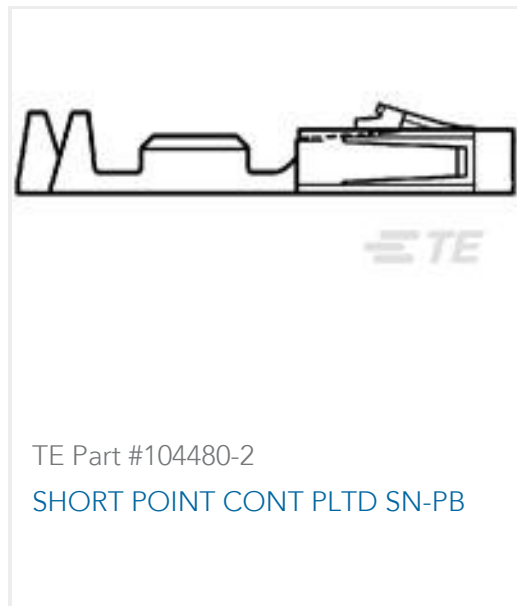


Electric, Hybrid & Fuel Cell Cable Assemblies(2)

## Customers Also Bought



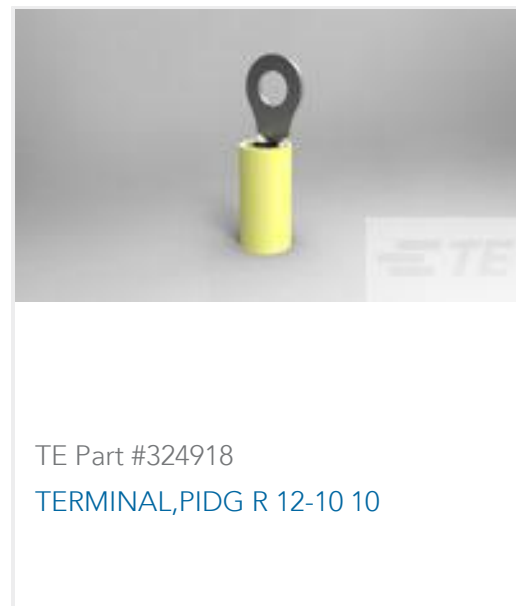
TE Part #66255-2  
MALE CONTACT ASSY. (STRIP)



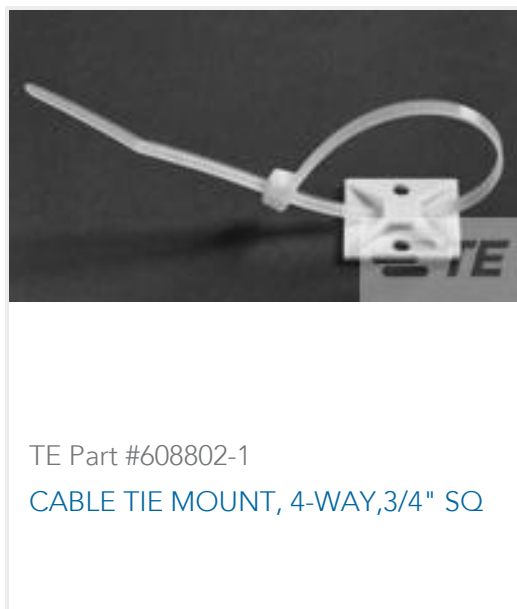
TE Part #104480-2  
SHORT POINT CONT PLTD SN-PB



TE Part #205206-8  
HDP-20,PLUG,SIZE 2, 15 POSN



TE Part #324918  
TERMINAL,PIDG R 12-10 10



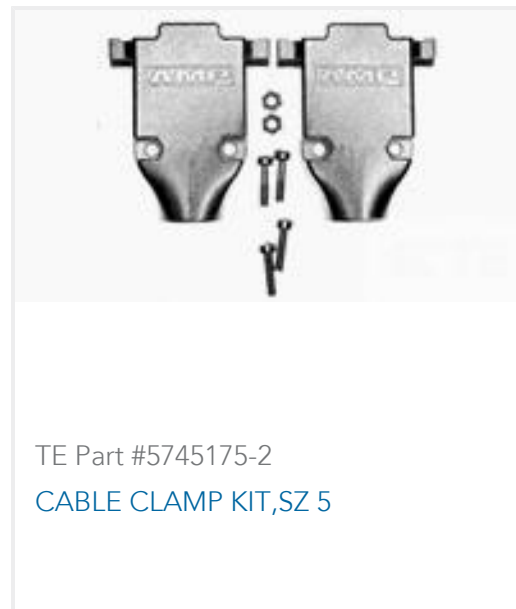
TE Part #608802-1  
CABLE TIE MOUNT, 4-WAY,3/4" SQ



TE Part #3-641238-3  
03P MTA100 CONN ASSY NATL 30AU



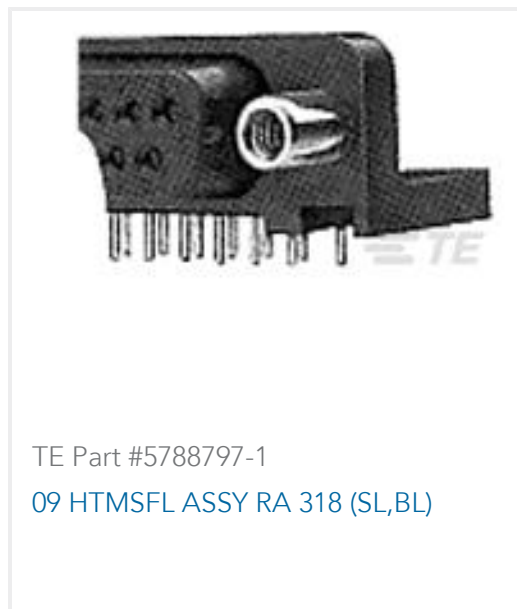
TE Part #1658641-3  
PLUG ASSY SIZE 5



TE Part #5745175-2  
CABLE CLAMP KIT,SZ 5



TE Part #5747832-4  
09 MSFL PLUG RA 590 (IN,FM,BL)



TE Part #5788797-1  
09 HTMSFL ASSY RA 318 (SL,BL)

## Documents

### Product Drawings

[HEADER ASSY - HVA280 2P w / HVIL, KEY A](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1587831-1\\_D.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1587831-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1587831-1\\_D.3d\\_stp.zip](#)

English

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### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English