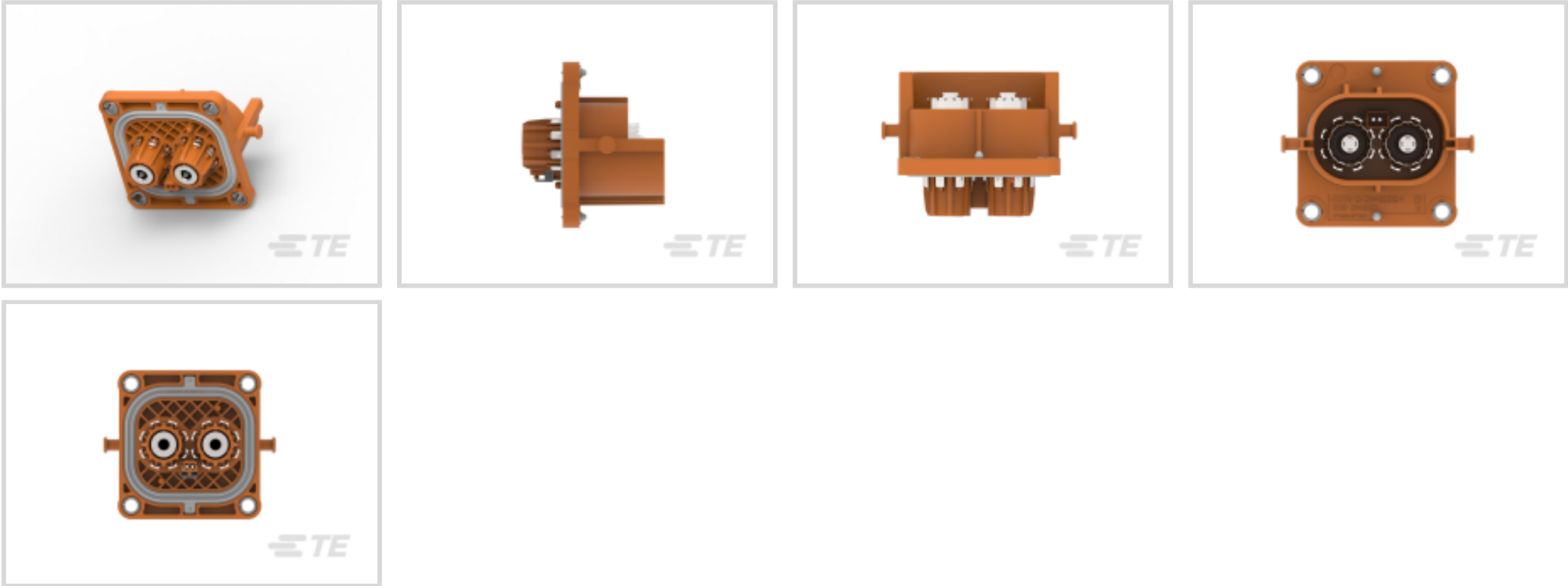




Connectors > PCB Connectors > PCB Headers & Receptacles > High-Voltage Header



Connector System: **Wire-to-Device**

Number of Positions: **2**

Centerline (Pitch): **11.5 mm [.452 in]**

Sealable: **Yes**

Number of Rows: **1**

[All High-Voltage Header \(28\)](#)

Features

Product Type Features

|                             |                  |
|-----------------------------|------------------|
| Mixed & Hybrid Header       | No               |
| Connector Shape             | Rectangular      |
| PCB Connector Assembly Type | PCB Mount Header |
| Header Type                 | Fully Shrouded   |
| Connector System            | Wire-to-Device   |
| Sealable                    | Yes              |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 2 |
| Number of Rows      | 1 |

Body Features

|                         |        |
|-------------------------|--------|
| Primary Product Color   | Orange |
| Connector & Keying Code | A      |

Contact Features



|                     |               |
|---------------------|---------------|
| Contact Size        | 8mm           |
| Contact Type        | Pin           |
| Mating Pin Diameter | 8 mm[.314 in] |

Mechanical Attachment

|                       |                   |
|-----------------------|-------------------|
| Mounting Holes        | With              |
| Mating Retention      | With              |
| Mating Alignment      | With              |
| Mating Retention Type | Locking Interface |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 11.5 mm[.452 in] |
|--------------------|------------------|

Usage Conditions

|                             |                                                                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature (Max) | 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F] |
| Operating Temperature Range | -40 – 140 °C[-40 – 284 °F]                                                                                                                                                         |

Operation/Application

|          |     |
|----------|-----|
| Shielded | Yes |
|----------|-----|

Industry Standards

|                        |         |
|------------------------|---------|
| Degree of Protection   | IP6K9K  |
| UL Flammability Rating | UL 94HB |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 36  |
| Packaging Method   | Box |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241) |



Does not contain REACH SVHC

|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
| Halogen Content           | Low Halogen - Br, Cl, F, I < 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

|                                                                                                                                                             |                                                                                                                                                         |                                                                                                                                                          |                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-2141154-1<br/>2POS,8MM HV,REC HSG,90DEG,ASSY, SEALED</p> |  <p>TE Part # 1-2177053-5<br/>2POS,8MM HV,PLUG HSG,ASSY, SEALED</p> |  <p>TE Part # 1-2177053-7<br/>2POS,8MM HV,PLUG HSG,ASSY, SEALED</p> |  <p>TE Part # 1-2286937-6<br/>2POS,HVP800,180 DEG,50 SQMM, COD A,CS</p> |
|  <p>TE Part # 1-2286945-1<br/>2POS,HVP800,90 DEG,50 SQMM,COD A</p>       |  <p>TE Part # 1-2286945-3<br/>2POS,HVP800,90 DEG,50 SQMM,COD A</p>  |  <p>TE Part # 1-2286945-5<br/>2POS,HVP800,90 DEG,50 SQMM,COD A</p>  |  <p>TE Part # 1-2286946-1<br/>2POS,HVP800,90 DEG,35 SQMM,COD A</p>      |
|  <p>TE Part # 1-2286946-3<br/>2POS,HVP800,90 DEG,35 SQMM,COD A</p>       |  <p>TE Part # 1-2286946-5<br/>2POS,HVP800,90 DEG,35 SQMM,COD A</p>  |  <p>TE Part # 1-2286947-1<br/>2POS,HVP800,90 DEG,25 SQMM,COD A</p>  |  <p>TE Part # 1-2286947-3<br/>2POS,HVP800,90 DEG,25 SQMM,COD A</p>      |



TE Part # 1-2286947-5  
2POS,HVP800,90 DEG,25 SQMM,COD A

TE Part # 2-2286713-1  
2POS,8MM HV,REC HSG,90DEG,ASSY, SEALED

TE Part # 9-2208101-1  
PROTEC. COVER 8MM HV,3POS PINHEADER

TE Part # YH800-2P-180-50M-A  
HVP800-2phi XE,180,50sqmm,Key A

TE Part # YHV800-2P-90-50M-A  
HVP800-2PHI XE,90,50SQMM,KEY A

TE Part # 2141220-1  
2POS,PIN DIA 8.0,PIN HSG,90,SEALED

TE Part # 2141225-3  
SHIELDING SLEEVE

Also in the Series | AMP+ HVP800

Automotive Connector Caps & Covers (11)

Automotive Connector EMC Shielding (10)

Automotive Connector Locks & Position Assurance(1)

Automotive Housings(56)

Automotive Terminals(7)

Connector Seals & Cavity Plugs(5)

Electric, Hybrid & Fuel Cell Cable Assemblies(79)

High Voltage Wire Processing Equipment(24)

Other Automotive Connector Accessories(1)

PCB Headers & Receptacles(44)

Customers Also Bought





TE Part #2103124-2  
High-Voltage Header



TE Part #2-1393210-0  
T9AS1D12-5



TE Part #5-1437646-0  
3PCV-06-006=#3 TRIBARRIER - CO



TE Part #1-2120958-1  
M8 MALE SOCKET WITH WIRES, 0.25 SQMM



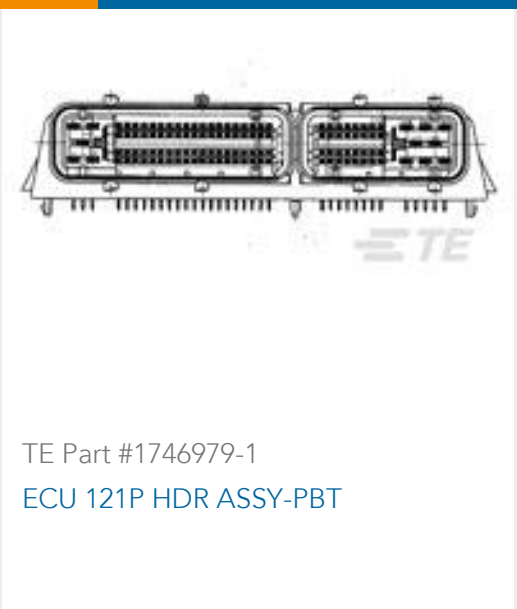
TE Part #1-2141227-1  
2POS,PIN DIA 8.0,PIN HSG,ASSY,SLD



TE Part #SRK02-MDA-32A-001  
REC, 32P, BLK, E, FLANGE, A



TE Part #1-1719102-1  
PCB 6.3 TERMINAL



TE Part #1746979-1  
ECU 121P HDR ASSY-PBT



TE Part #YHV800-2P-90-50M-A  
HVP800-2PHI XE,90,50SQMM,KEY A

Documents

Product Drawings  
2POS,PIN DIA 8.0,PIN HSG,ASSY,SLD  
German

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2141227-1\_D.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2141227-1\_D.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2141227-1\_D.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

2141227-1

PCB Mount Header, Wire-to-Device, 2 Position, 11.5 mm [.452 in] Centerline, Fully Shrouded, Sealable, Orange, Box, AMP+ HVP800



Application Specification

English