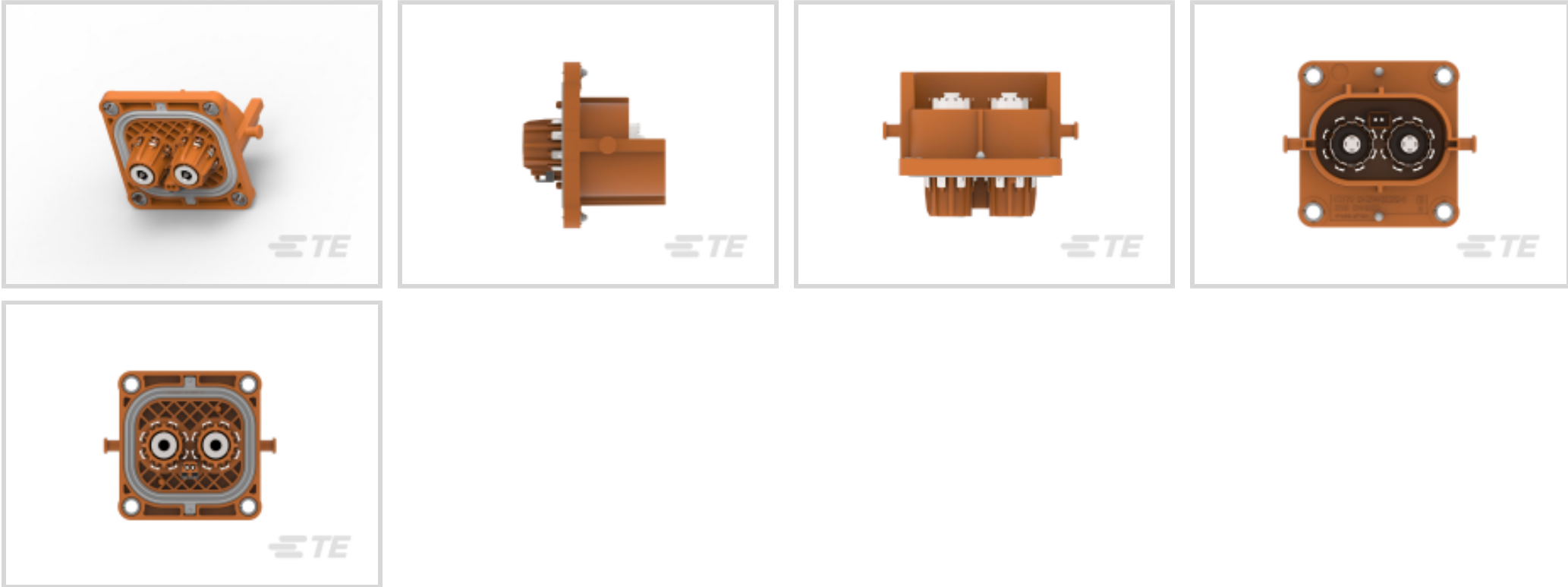




Connectors > PCB Connectors > PCB Headers & Receptacles > High-Voltage Header



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 \(29\)](#)

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]
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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
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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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240)



Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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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 # 1-2141154-1 2POS,8MM HV,REC HSG,90DEG,ASSY, SEALED	 TE Part # 1-2177053-5 2POS,8MM HV,PLUG HSG,ASSY, SEALED	 TE Part # 1-2177053-7 2POS,8MM HV,PLUG HSG,ASSY, SEALED	 TE Part # 1-2286937-6 2POS,HVP800,180 DEG,50 SQMM, COD A,CS
 TE Part # 1-2286945-1 2POS,HVP800,90 DEG,50 SQMM,COD A	 TE Part # 1-2286945-3 2POS,HVP800,90 DEG,50 SQMM,COD A	 TE Part # 1-2286945-5 2POS,HVP800,90 DEG,50 SQMM,COD A	 TE Part # 1-2286946-1 2POS,HVP800,90 DEG,35 SQMM,COD A
 TE Part # 1-2286946-3 2POS,HVP800,90 DEG,35 SQMM,COD A	 TE Part # 1-2286946-5 2POS,HVP800,90 DEG,35 SQMM,COD A	 TE Part # 1-2286947-1 2POS,HVP800,90 DEG,25 SQMM,COD A	 TE Part # 1-2286947-3 2POS,HVP800,90 DEG,25 SQMM,COD A



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 # 2103245-6 Inner Housing, Split Hdr, Key F, HVA280	 TE Part # 63721-1 RING 24-20 AWG TPBR	 TE Part # 5-1437646-0 3PCV-06-006=#3 TRIBARRIER - CO	 TE Part # 6-1623930-6 CFR25 5% 2K2
 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 # 2-2141272-1 2POS, MIXED,HEADER ASSY,CODA
 TE Part # 2349367-1 5POS,HVA630,HDR ASSY	 TE Part # 364229-E SRCBUG A 2,54 2 5 CSI 165 E1 ADV J 2 324		

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