

2141227-2 ✓ ACTIVE

AMP+ HVP800

TE Internal #: 2141227-2

PCB Mount Header, Wire-to-Device, 2 Position, 11.5 mm [.452 in]

Centerline, Fully Shrouded, Sealable, AMP+ HVP800

[View on TE.com >](#)



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 \(34\)](#)

Features

Product Type Features

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

Connector & Keying Code	B
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Contact Features

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

Mechanical Attachment

Mating Alignment	With
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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
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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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # 1-2141154-2 2POS,8MM HV,REC HSG,90DEG,ASSY, SEALED</p>	 <p>TE Part # 1-2177053-5 2POS,8MM HV,PLUG HSG,ASSY, SEALED</p>	 <p>TE Part # 1-2177053-7 2POS,8MM HV,PLUG HSG,ASSY, SEALED</p>	 <p>TE Part # 2-2286713-1 2POS,8MM HV,REC HSG,90DEG,ASSY, SEALED</p>
 <p>TE Part # 2-2286945-1 2POS,HVP800,90 DEG,50 SQMM,COD B</p>	 <p>TE Part # 2-2286945-3 2POS,HVP800,90 DEG,50 SQMM,COD B</p>	 <p>TE Part # 2-2286945-5 2POS,HVP800,90 DEG,50 SQMM,COD B</p>	 <p>TE Part # 2-2286946-1 2POS,HVP800,90 DEG,35 SQMM,COD B</p>
 <p>TE Part # 2-2286946-3 2POS,HVP800,90 DEG,35 SQMM,COD B</p>	 <p>TE Part # 2-2286946-5 2POS,HVP800,90 DEG,35 SQMM,COD B</p>	 <p>TE Part # 2-2286947-1 2POS,HVP800,90 DEG,25 SQMM,COD B</p>	 <p>TE Part # 2-2286947-3 2POS,HVP800,90 DEG,25 SQMM,COD B</p>
 <p>TE Part # 2-2286947-5 2POS,HVP800,90 DEG,25 SQMM,COD B</p>	 <p>TE Part # 9-2208101-1 PROTEC. COVER 8MM HV,3POS PINHEADER</p>	 <p>TE Part # YH800-2P-180-50M-B HVP800-2phi XE,180,50sqmm,Key B</p>	 <p>TE Part # YHV800-2P-90-50M-B HVP800-2PHI XE,90,50SQMM,KEY B</p>

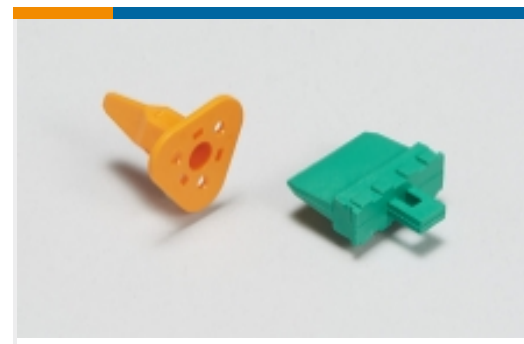
Also in the Series | **AMP+ HVP800**



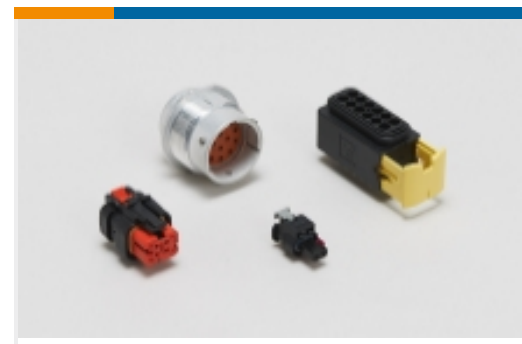
Automotive Connector Caps & Covers (11)



Automotive Connector EMC Shielding (10)



Automotive Connector Locks & Position Assurance(1)



Automotive Housings(56)



Automotive Terminals(6)



Connector Seals & Cavity Plugs(5)



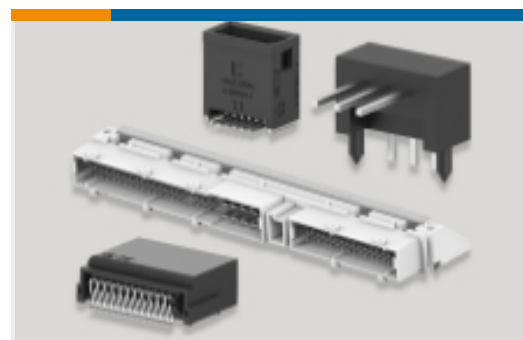
Electric, Hybrid & Fuel Cell Cable Assemblies(10)



High Voltage Wire Processing Equipment(25)



Other Automotive Connector Accessories(1)

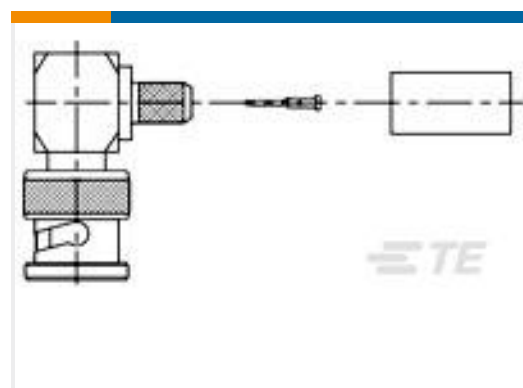


PCB Headers & Receptacles(44)

Customers Also Bought



TE Part #9-2141158-2
CU ALLOY,SHIELD,8MM HV,CONN HSG,90 DEG



TE Part #1-1478075-0
BNC R/A Plg Hex 50Ohm Silver Pltd RG58C/



TE Part #2203194-1
EVC135, RELAY, SPST NO



TE Part #1-2177053-2
2POS,8MM HV,PLUG HSG,ASSY, SEALED



TE Part #1-2177053-1
2POS,8MM HV,PLUG HSG,ASSY, SEALED



TE Part #537543-000
CWT-3-W122-5



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



TE Part #2138168-1
EVC135, RELAY, SIDE MOUNT



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



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

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2141227-2_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2141227-2_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2141227-2_D.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English