



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



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

Number of Positions: **2**

Centerline (Pitch): **10.4 mm [.409 in]**

Sealable: **Yes**

Number of Rows: **1**

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

Features

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Wire
Sealable	Yes

Configuration Features

Number of Sections	1
Number of Signal Positions	2
Number of Positions	2
Number of Rows	1

Body Features

Primary Product Color	Orange
Connector & Keying Code	F

Contact Features

Contact Type	Tab
Mating Tab Width	2.8 mm[.11 in]



Mating Tab Thickness	.8 mm[.031 in]
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Mechanical Attachment

Mounting Holes	Without
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Locking Interface

Housing Features

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

Connector Length	45.4 mm[1.78 in]
Connector Width	40.6 mm[1.59 in]

Operation/Application

Shielded	Yes
Circuit Application	Signal

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: JUNE 2024 (241) 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



TE Part # 4-2103177-6  
PLUG ASSY, KEY F, FA,CPA, HVA280-2PHI XE




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




TE Part # 2103177-6  
PLUG ASSY, KEY F, TA,CPA, HVA280-2PHI XE


Also in the Series | HVA 280




Automotive Connector Caps & Covers (5)




Automotive Connector EMC Shielding (14)




Automotive Housings(66)




Connector Seals & Cavity Plugs(8)



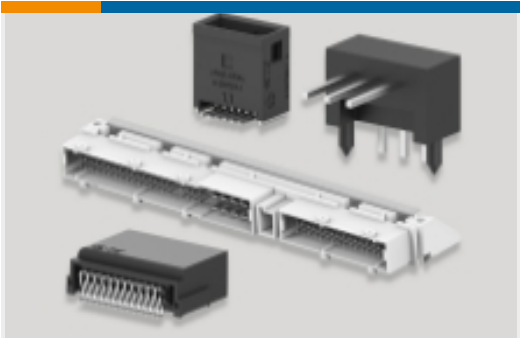
Electric, Hybrid & Fuel Cell Cable Assemblies(21)



High Voltage Wire Processing Equipment(7)



Other Automotive Connector Accessories(35)



PCB Headers & Receptacles(22)

Customers Also Bought





TE Part #2103124-2  
High-Voltage Header



TE Part #7-1625971-8  
HSA25 R10 5%



TE Part #1-1879075-8  
THS25 3R3 5%



TE Part #4-1825136-4  
A101SYCB04



TE Part #87227-6  
12 MODII HDR DRST UNSHRD .100



TE Part #182206-2  
MOD 2 TERMINAL



TE Part #2-1393302-3  
V23134A0052G243-EV-CBOX



TE Part #150520-2  
RT .197 DIA TERMINAL 16-13 AWG  
TPBR

Documents

Product Drawings  
HVA280 2P HEADER ASSY, KEY F  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2103124-6\_B.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2103124-6\_B.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2103124-6\_B.3d\_stp.zip  
English

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

Instruction Sheets  
Instruction Sheet (U.S.)  
English