



Connectors > PCB Connectors > PCB Headers & Receptacles > Low & Medium Power Header



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

Number of Positions: **2**

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

Sealable: **Yes**

Number of Rows: **1**

[All Low & Medium Power Header \(103\)](#)

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

Connector & Keying Code	A
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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: 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
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 # 1-2141154-1 2POS,8MM HV,REC HSG,90DEG,ASSY, SEALED	TE Part # 1-2286937-6 2POS,HVP800,180 DEG,50 SQMM, COD A,CS	TE Part # 2-2286713-1 2POS,8MM HV,REC HSG,90DEG,ASSY, SEALED	TE Part # 9-2208101-1 PROTEC. COVER 8MM HV,3POS PINHEADER

Also in the Series | AMP+ HVP800

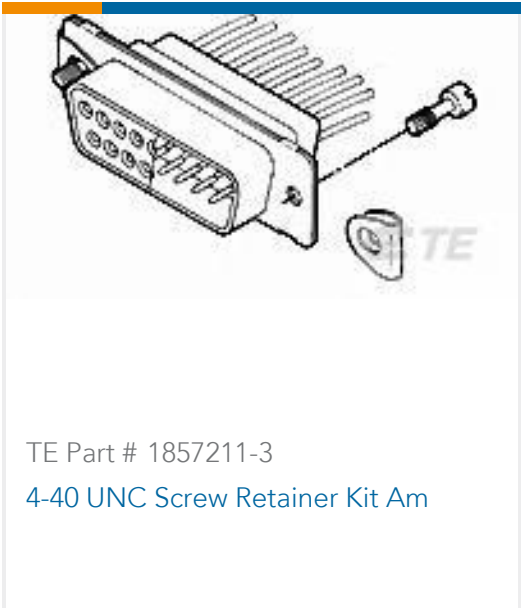
Automotive Connector Caps & Covers (11)	Automotive Connector EMC Shielding (10)	Automotive Connector Locks & Position Assurance(1)	Automotive Housings(56)
Automotive Terminals(7)	Connector Seals & Cavity Plugs(5)	Electric, Hybrid & Fuel Cell Cable Assemblies(79)	High Voltage Wire Processing Equipment(24)
Other Automotive Connector Accessories(1)	PCB Headers & Receptacles(44)		

Customers Also Bought





TE Part # 2103346-2
HVA280 2 Bay Header Sub-Assy, KEY D, F



TE Part # 1857211-3
4-40 UNC Screw Retainer Kit Am



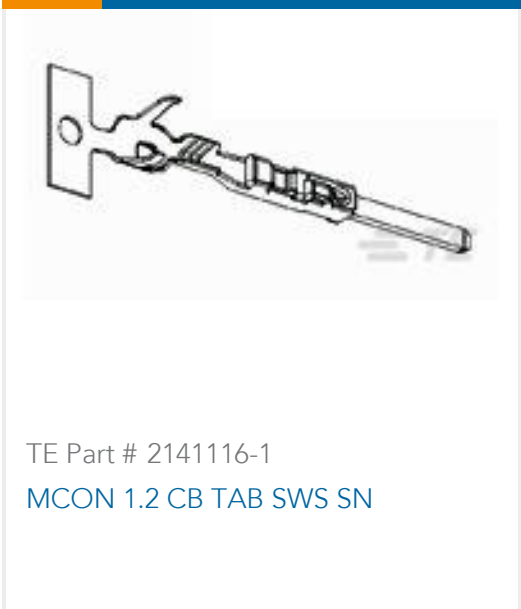
TE Part # 6-160432-0
250 FASTON REC 20-16 AWG TPBZ



TE Part # 1-794607-1
MICRO MNL RPT CNT STRP 15AU LF



TE Part # 1-1355134-1
RETAINER 94P



TE Part # 2141116-1
MCON 1.2 CB TAB SWS SN



TE Part # 1-2286937-5
2POS,HVP800,180 DEG,50 SQMM, COD A,CS



TE Part # 374335-E
DRCBUG B 2,54 20 * CSI 112 E012 ADV J 2



TE Part # 1-2103212-1
Plug Assembly, 350A, MSD



TE Part # 2138557-2
2P GENERATION Y Plug, Single-P

Documents

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

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-2141227-1_D.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-2141227-1_D.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-2141227-1_D.3d_stp.zip
English

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

Product Specifications

1-2141227-1

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



Application Specification

English