



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



Connector System: **Wire-to-Board, Wire-to-Panel**

Number of Positions: **2**

Centerline (Pitch): **9.4 mm [.37 in]**

Sealable: **Yes**

PCB Mount Orientation: **Vertical**

[All High-Voltage Header \(29\)](#)

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-Board, Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Signal Positions	2
Number of Positions	2
PCB Mount Orientation	Vertical
Number of Rows	1



Electrical Characteristics

Nominal Voltage Architecture	850 V
Operating Voltage	850 VAC

Body Features

Primary Product Color	Orange
Connector & Keying Code	A

Contact Features

Contact Size	6.3mm
Contact Type	Tab
Mating Tab Width	6.3 mm[.248 in]
Mating Tab Thickness	.8 mm[.031 in]
Contact Mating Area Plating Material	Silver
Contact Current Rating (Max)	54 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Mechanical Attachment

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

Housing Features

Centerline (Pitch)	9.4 mm[.37 in]
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Dimensions

Connector Length	50 mm[1.968 in]
Connector Width	50 mm[1.968 in]
PCB Thickness (Recommended)	6.3 mm[.248 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[149 °F][158 °F][167 °F][176 °F][185 °F]
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	[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
Circuit Application	Power

Industry Standards

Degree of Protection	IP6K9K
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	40
Packaging Method	Tray

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

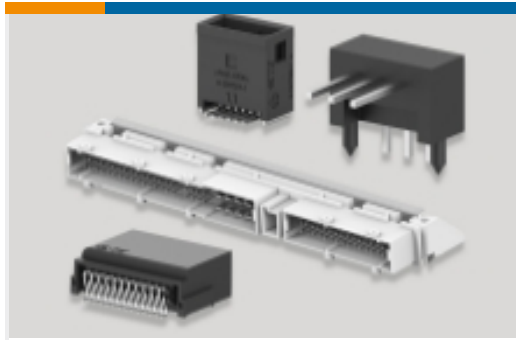
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

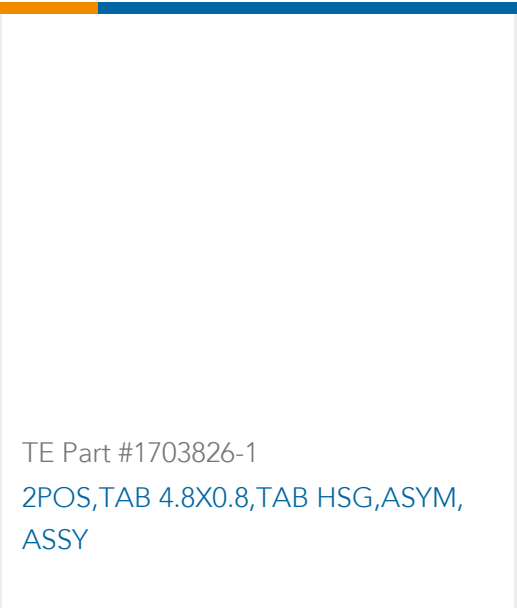
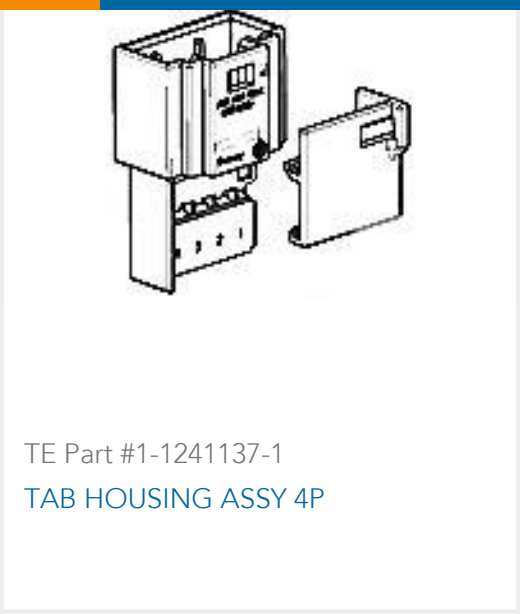
 TE Part # CAT-M4595-T273 MCON Receptacle and Tab	 TE Part # 1-2141256-1 2POS,AMP MCP6.3/4.8K,REC HSG, COD.A,ASSY	 TE Part # 2141256-1 2POS,AMP MCP6.3/4.8K,REC HSG, ASSY	 TE Part # YHVA630-2PHM-4MM-A HVA630-2phm,4sqmm,Key A
 TE Part # YHVA630-2PHM-6MM-A HVA630-2phm,6sqmm,Key A	 TE Part # 2177890-1 TAB 6.3X0.8	 TE Part # 2177890-2 TAB 6.3X0.8	

Also in the Series | **HVA 630**

 Automotive Connector Caps & Covers (10)	 Automotive Connector EMC Shielding (3)	 Automotive Housings(17)	 Connector Seals & Cavity Plugs(7)
 Electric, Hybrid & Fuel Cell Cable Assemblies(18)	 High Voltage Wire Processing Equipment(13)	 Other Automotive Connector Accessories(3)	 PCB Headers & Receptacles(2)

Customers Also Bought



 TE Part #7-967570-3 MQS, CONNECTOR HOUSING	 TE Part #154717-7 PL 250 REC TERMINAL 13-11 AWG PTPPB	 TE Part #4-1879208-2 CPF 0402 510R 0.1% 25PPM 1K RL	 TE Part #1703826-1 2POS,TAB 4.8X0.8,TAB HSG,ASYM, ASSY
 TE Part #2141861-3 MCON 1.2 LL REC SRC AG	 TE Part #0838016010 RBK-VWS-125-NR1-X-35MM	 TE Part #1-1241137-1 TAB HOUSING ASSY 4P	 TE Part #928782-2 SOLDER CONTACT 17-13 0.6MM TPBR

Documents

Product Drawings
2POS, MIXED,HEADER ASSY,CODA
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-2141272-1_B.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-2141272-1_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-2141272-1_B.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