



Connectors > Automotive Connectors > Automotive Housings



Number of Positions: 2

Connector & Housing Type: **Housing for Male Terminals**

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

Sealable: **Yes**

Mating Tab Width: **6.3 mm [.248 in]**

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	2
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Electrical Characteristics

Operating Voltage	850 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V, 500 V, 550 V, 600 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Orange
Connector & Keying Code	A



Contact Features

Contact Size	4.8K, 6.3mm
Contact Type	Tab
Mating Tab Width	6.3 mm[.248 in]

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	With
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	9.4 mm[.37 in]

Dimensions

Connector Height	38.45 mm[1.51 in]
Product Width	37.6 mm[1.48 in]
Product Length	71.3 mm[2.8 in]

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

Circuit Application	Power
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Industry Standards

Degree of Protection	IP4K9K
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Packaging Features

Packaging Quantity	160
Packaging Method	Carton

Other

Serviceable	No
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Connector Position Assurance Capable

Yes

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-HVH5375
High-Voltage Header



TE Part # 2141265-4
COVER,SEAL

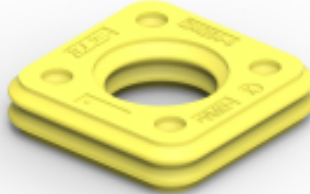
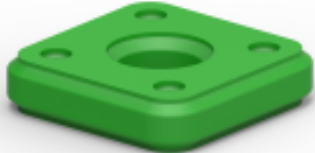
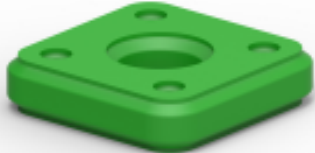


TE Part # 2141259-1
2POS, MIXED,REC HSG,ASSY

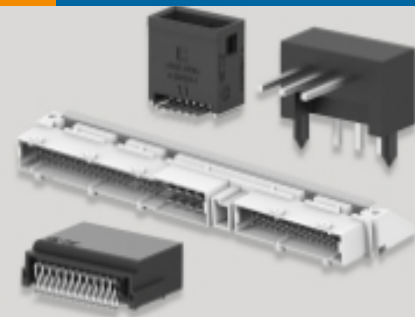


TE Part # 2141262-3
SHIELDING,EMC



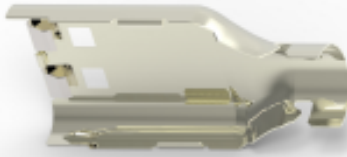
 TE Part # 1-2282291-5 2POS,HVA,630-2PHM PIGTAIL,HYB ASSY	 TE Part # 2141264-3 SINGLE WIRE SEAL,AMP MCP6.3/4.8K	 TE Part # 2141264-4 SINGLE WIRE SEAL,AMP MCP6.3/4.8K	 TE Part # 2141265-3 COVER,SEAL
 TE Part # 2141630-1 5POS,HVA630,REC HSG ASSY, 180DEG,HVIL	 TE Part # 9-2141264-2 SINGLE WIRE SEAL,AMP MCP6.3/4.8K	 TE Part # YHVA630-2PHI-HDR-A HVA630 2P (1-2141272-1) HEADER, KEY A	 TE Part # 2141251-1 2POS,AMP MCP6.3/4.8K,REC HSG, SEALED
 TE Part # 2141252-1 CPA	 TE Part # 2141254-1 RADIAL SEAL 24 X 24	 TE Part # 2141255-1 RETAINER	

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 #4-2103177-5 PLUG ASSY, KEY E, FA,CPA, HVA280-2PHI XE	 TE Part #1587828-3 INNER FERRULE, SIZE C, HVA280-2PI	 TE Part #2177058-1 INSULATION INSERT,180DEG	 TE Part #1587724-3 OUTER FERRULE, SIZE C, HVA280
 TE Part #1587829-2 OUTER FERRULE, SIZE B, HVA280-2PI	 TE Part #1587985-1 INNER HSG SUBASSY, HVA280-2PHM	 TE Part #1-2103157-1 SHIELD, PLUG, SIZE 1, Ag, HVA280	 TE Part #1-2177063-2 3POS,8MM HV,PLUG HSG,ASSY, SEALED
 TE Part #184008-1 2 POS. PLUG ASSY, KEY E, BLACK	 TE Part #184006-1 2 POS. PLUG ASSY, KEY D, GREEN		

Documents

Product Drawings
2POS,AMP MCP6.3/4.8K,REC HSG,ASSY
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2141256-1_B.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_2141256-1_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2141256-1_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