2141272-1 ✔ ACTIVE

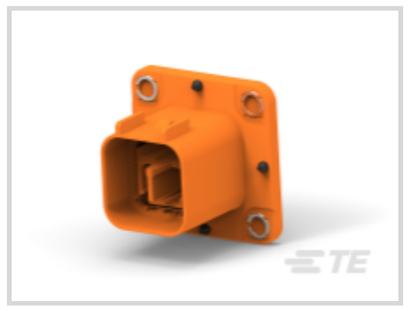
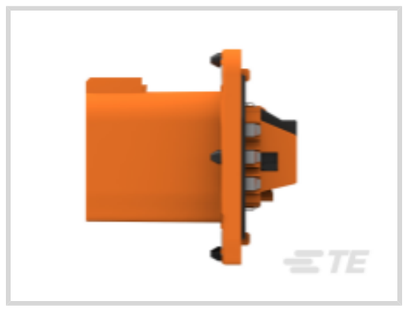
AMP+ | HVA 630

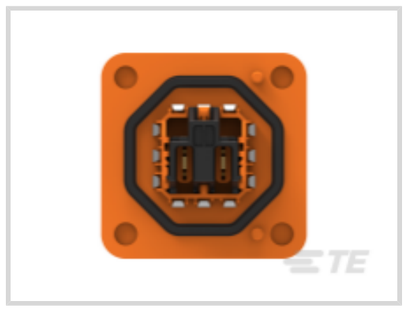
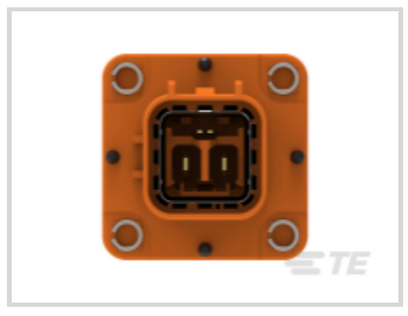
TE Internal #: 2141272-1

Vertical, Wire-to-Board / Wire-to-Panel, 4 Position, 1 Row, 9.4mm [.37in] Centerline, Silver (Ag), Sealable, Printed Circuit Board, HVA 630

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > High-Voltage Header

PCB Mount Orientation: **Vertical**

Contact Current Rating (Max): **42 A, 54 A**

Termination Method to PCB: **Through Hole - Screw**

Sealable: **Yes**

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

All High-Voltage Header (4)

Features

Product Type Features

Mixed & Hybrid Header	Yes
Header Type	Fully Shrouded
Connector Shape	Rectangular
Connector Product Type	Connector Assembly
Sealable	Yes
Connector System	Wire-to-Board, Wire-to-Panel
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	850 VDC

Body Features

Connector & Keying Code	A
Primary Product Color	Orange

Contact Features

Mating Tab Thickness	.8 mm[.031 in]
Contact Type	Tab
Mating Tab Width	1.2 mm, 6.3 mm[.047 in][.248 in]
Contact Current Rating (Max)	42 A, 54 A
Contact Mating Area Plating Material	Silver (Ag)

Termination Features

Termination Method to PCB	Through Hole - Screw

Mechanical Attachment

Mounting Holes	With
Panel Mount Feature	With
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	9.4 mm[.37 in]

Dimensions

Connector Width	50 mm[1.96 in]
Connector Length	50 mm[1.96 in]

Usage Conditions

Operating Temperature (Max)	140 °C[284 °F]
Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]

Operation/Application

Shielded	Yes
Circuit Application	Power

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 2141269-1
TAB 6.3X0.8

TE Part # 2141271-1
AXIAL SEAL 33 X 33,BK

TE Part # 2177378-2
COMPRESSION DELIMITER

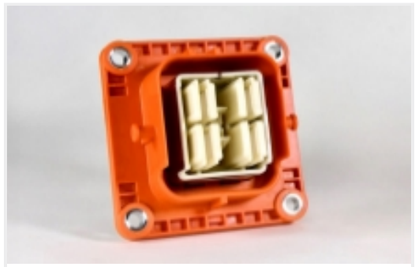
Also in the Series | HVA 630



Automotive Connector Caps & Covers (1)



Automotive E-Mobility Connector Housings(5)



Automotive E-Mobility Headers(2)



Automotive Housings(5)



Electric, Hybrid & Fuel Cell Cable Assemblies(7)

Customers Also Bought



TE Part #364097-E
DRCBTB 1,27 12 M BTB26 24,2 137 * 094 TR



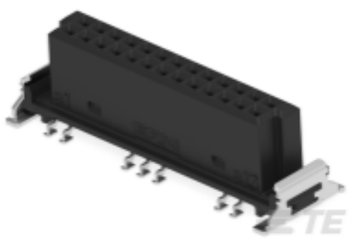
TE Part #1-640456-2
12P MTA100 HDR ASSY F/L SQ STR



TE Part #1-640457-2
12P MTA100 HDR ASSY SQ R/A F/L



TE Part #2236454-1
5POS,HVA630,180DEG,HEADER,CODA



TE Part #494613-E
SMCB 14 F AB 0538 7-13 CL * H007 137 E00



TE Part #515163-E
DRCBTB 1,27 12 M BTB40 38,2 137 * 094 TR

TE Part #3-1372415-2
INSERTION FINGER COMPLETE

TE Part #4-1372710-6
CUTTING BLADE

TE Part #5-1372720-1
CUTTING PLATE

TE Part #1932638-6
Std USB Type A, R/A, SMT, Offset

Documents

Product Drawings

2POS,HVA630,180DEG,HEADER,COD A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2141272-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2141272-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_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