2141256-1 ✔ ACTIVE

HVA 630

TE Internal #: 2141256-1

Housing for Male Terminals, 2 Position, 9.4 mm [.37 in] Centerline, Sealable, Orange, Power, Cable Mount (Free-Hanging), HVA 630

View on TE.com >

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

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

Industry Standards

Degree of Protection	IP4K9K

Packaging Features

Packaging Quantity	160
Packaging Method	Carton

Other

Serviceable	No

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



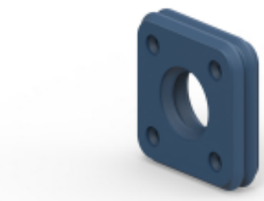
TE Part # 2141259-1
2POS, MIXED,REC HSG,ASSY



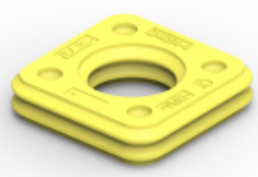
TE Part # 2141262-3
SHIELDING,EMC



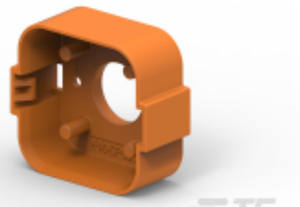
TE Part # 1-2282291-5
2POS,HVA,630-2PHM PIGTAIL,HYB ASSY



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)



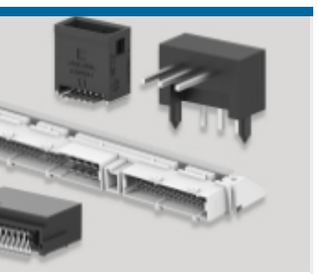
Electric, Hybrid & Fuel Cell Cable Assemblies(18)



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



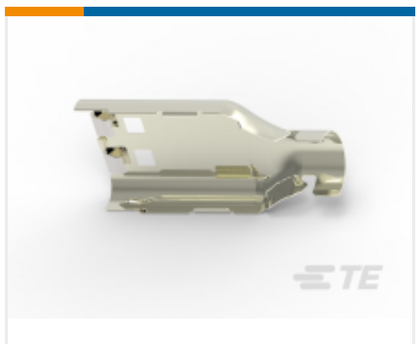
TE Part #1587724-3
OUTER FERRULE, SIZE C, HVA280



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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1969656-1 3430B2F51RTDF SMW73R0JT 2834055-1 917696-1 936348-1 1-794222-0 1393431-1 2-292161-3 2005330-1 MPT100C18RF 1-962915-1 175977-2 3-1393225-0 CRGCQ2010J3K3 RH73H2A40MKTN U5254-000005-030PA 2377783-2 2380312-2 141991-2 2310537-1 3631B101LL 650075-000 ROX05SJ18R TE50BR39J 1743455-2 SBCHE154R7K 1903112-2 CPF0402B37K4E1 SBCHE64R7K