



HVA 630

TE Internal #: 2141608-4

12 V / 48 V / 600 V, 5 Position, Automotive Housing for Female Terminals, Wire-to-Board, 6 mm [.23 in] Centerline, Sealable, Black, HVA 630

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Automotive Parts > Automotive Connectors > Automotive Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V, 600 V

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

Number of Positions: 5

Sealable: **Yes**

Operating Temperature Range: -40 – 140 °C [-40 – 284 °F]

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Locking Lance
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	5
Number of Rows	2

Electrical Characteristics

Operating Voltage	850 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V, 600 V

Body Features

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

Contact Features

Contact Size	6.3mm
Contact Type	Receptacle
Mating Tab Width	6.3 mm[.248 in]

Mechanical Attachment

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

Housing Features

Housing Material	PA GF
Centerline (Pitch)	6 mm [.23 in]

Dimensions

Row-to-Row Spacing	6.3 mm [.24 in]
Product Width	80 mm [3.14 in]
Product Length	63.5 mm [2.5 in]
Connector Height	39.3 mm [1.54 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP4K9K
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Packaging Features

Packaging Quantity	84
Packaging Method	Box



Other

Serviceable	No
Connector Position Assurance Capable	No

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 2-1241408-3
AMP MCP 6.3/4.8K, CONTACT



TE Part # 2141616-1
SHIELDING, 5+2 POS HV CONN



TE Part # 2141614-3
COVER, CABLE SEAL



TE Part # 2141630-1
5POS,HVA630,REC HSG ASSY,
180DEG,HVIL




TE Part # 2141613-2
CARRIER, SEAL,YW



TE Part # 2141612-6
RADIAL SEAL,25X43,CABLE SEAL, BL



TE Part # 2141614-5
COVER,CABLE SEAL



TE Part # YHVA630-5PHM-6MM-A
HVA630-5pmm,5x6sqmm,Key A



TE Part # 2-2282265-5
5POS,HVA630,180 DEG,6 SQMM, PIGTAIL



TE Part # 2141614-6
COVER,CABLE SEAL



TE Part # 2141614-4
COVER, CABLE SEAL



TE Part # 2141613-4
CARRIER, SEAL,RD



TE Part # 2141612-2
RADIAL SEAL 25 X 43, CABLE SEAL, YW



TE Part # 2141614-2
COVER, CABLE SEAL



TE Part # 2141613-3
CARRIER, SEAL,GN



TE Part # 2141612-3
RADIAL SEAL 25 X 43, CABLE SEAL, GN




TE Part # 2141613-5
CARRIER,SEAL,BN



TE Part # 2141613-6
CARRIER,SEAL,BL



TE Part # 2141612-5
RADIAL SEAL,25X43,CABLE SEAL,BN




TE Part # YHVA630-3PHM-4MM-A
HVA630-5pmm,3x4sqmm,Key A

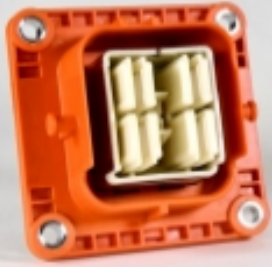
Also in the Series | **HVA 630**




Automotive Connector Locks & Position Assurance(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



Documents

Product Drawings

5POS,AMP MCP6.3/4.8K,REC HSG,A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2141608-4_F.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2141608-4_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2141608-4_F.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English