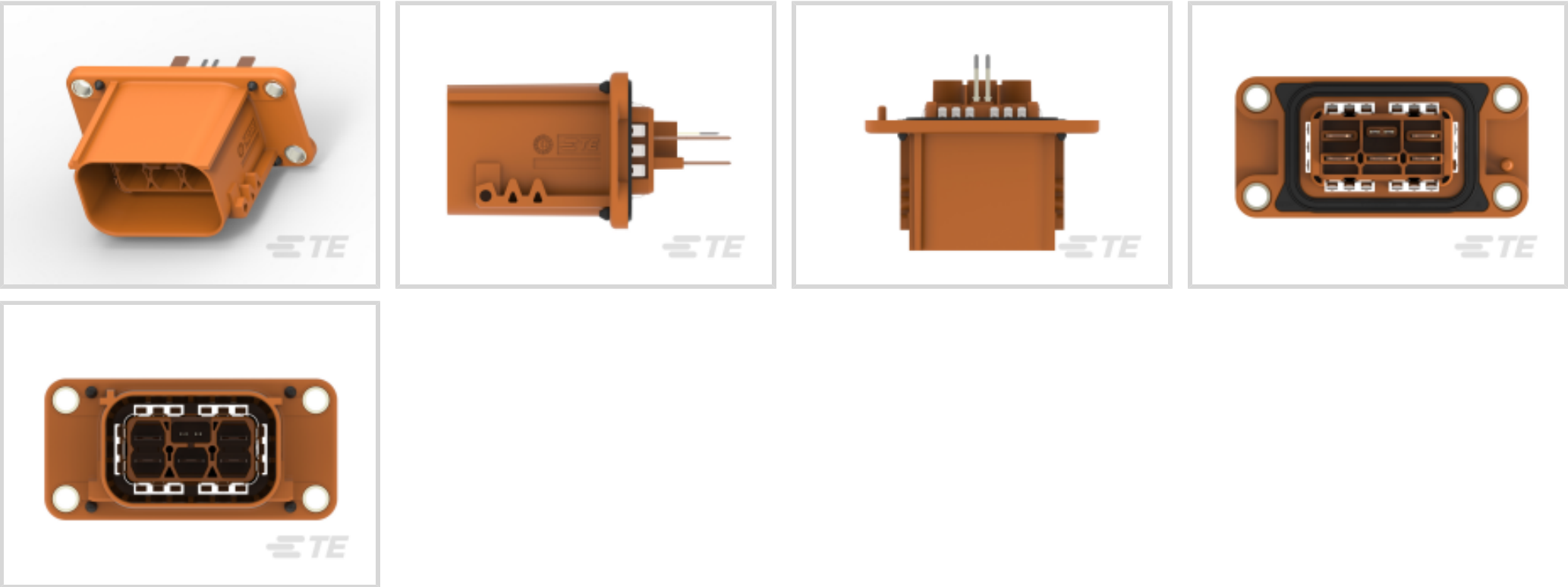




Connectors > PCB Connectors > PCB Headers & Receptacles > High-Voltage Header



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

Number of Rows: **2**

[All High-Voltage Header \(3\)](#)

Features

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	Yes
Connector Product Type	Connector Assembly

Configuration Features

Number of Signal Positions	7
Number of Sections	1
PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	2



Electrical Characteristics

Operating Voltage	850 VDC
Voltage Rating (Max)	850 VDC
Nominal Voltage Architecture	850 V

Body Features

Connector & Keying Code	A
Primary Product Color	Orange

Contact Features

Contact Size	6.3mm
Mating Tab Width	1.2 mm, 6.3 mm[.062 in][.248 in]
Mating Tab Thickness	.6 mm, .8 mm[.023 in][.031 in]
Contact Mating Area Plating Material	Silver (Ag)
Contact Type	Tab

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

Centerline (Pitch)	12 mm[.472 in]
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Dimensions

Connector Width	64.3 mm[2.53 in]
Profile Height from PCB	39.5 mm[1.55 in]
Connector Length	82 mm[3.22 in]

Usage Conditions

Operating Temperature (Max)	125 °C[212 °F]
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Operating Temperature Range

-40 – 140 °C[-40 – 284 °F]

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

IP Rating	IP6K7, IP6K9K
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Packaging Features

Packaging Quantity	108
Packaging Method	Box

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: JAN 2025 (247) 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 # 2141608-1
5POS,AMP MCP6.3/4.8K,REC HSG,A



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



TE Part # 1-2282265-5
5POS,HVA,630,PIGTAIL,HYB ASSY

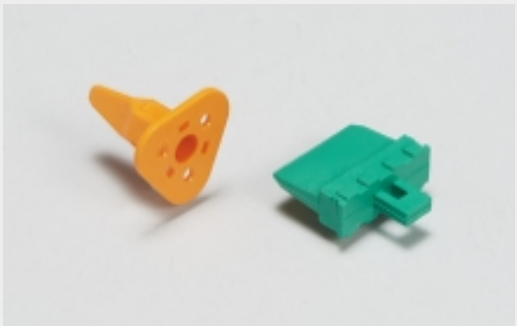


TE Part # YHVA630-4PHM-4MM-A
HVA630-5phm,4x4sqmm,Key A



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

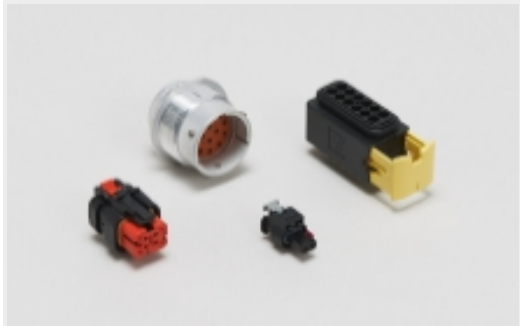
Also in the Series | **HVA 630**



Automotive Connector Locks & Position Assurance(1)



Automotive Headers(2)



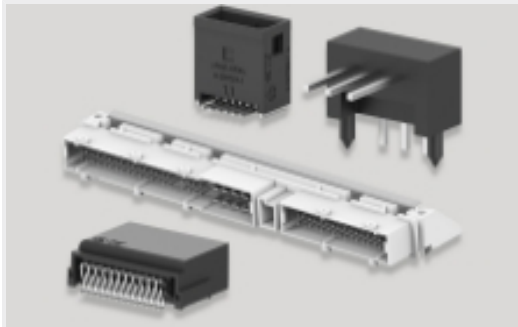
Automotive Housings(5)



Electric, Hybrid & Fuel Cell Cable Assemblies(7)



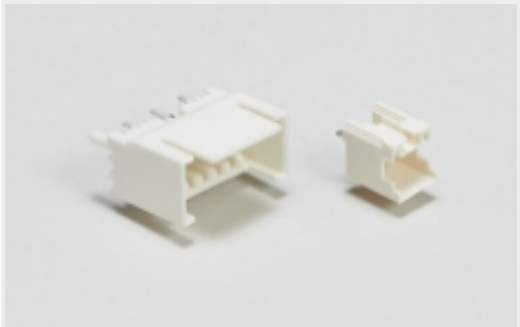
High Voltage Wire Processing Equipment(13)



PCB Headers & Receptacles(2)



Rectangular Power Connectors(1)



Wire-to-Board Headers & Receptacles (2)

Customers Also Bought



TE Part #2322946-3
6POS,TAB0.63X0.63,HDR ASSY,90DEG



TE Part #DT04-08PA-L022
REC, 8P, GRY, N, FLANGE, A



TE Part #CAT-AM705-P299
PCB CONTACTS



TE Part #1-968720-2
32pos MQS .63 header 90deg THR



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

TE Part #1-967162-2
3pos MQS .63 header 90deg THR

TE Part #1-368067-2
MINI FUSE REC(JPT/PCB TYPE)

TE Part #7-1904107-4
V23201-R1001-A512

TE Part #2278496-1
HVA280 HEADER CABLE ASSEMBLY

Documents

Product Drawings

5POS,TAB 6.3X0.8,HEADER ASSY,CODA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2236454-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2236454-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2236454-1_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