

YHVA630-2PHM-6MM-A

✓ ACTIVE

HVA 630

TE Internal #: YHVA630-2PHM-6MM-A

Receptacle, Cable-to-Cable / Wire-to-Wire, 2 Position, 9.4 mm [.37 in] Centerline, Sealable, Orange, Wire & Cable, Power & Signal, HVA 630

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Connectors > Automotive Connectors > Automotive Housings



Connector System: **Cable-to-Cable, Wire-to-Wire**

Number of Positions: **2**

Connector & Housing Type: **Receptacle**

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

Sealable: **Yes**

Features

Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector          | Yes                          |
| Connector System                  | Cable-to-Cable, Wire-to-Wire |
| Connector & Housing Type          | Receptacle                   |
| Sealable                          | Yes                          |
| Connector & Contact Terminates To | Wire & Cable                 |
| Primary Locking Feature           | Integrated in Housing        |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 2 |
| Number of Rows      | 1 |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 850 VAC |
|-------------------|---------|

Body Features

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

Contact Features

|              |     |
|--------------|-----|
| Contact Type | Tab |
|--------------|-----|



|                  |                 |
|------------------|-----------------|
| Mating Tab Width | 6.3 mm[.248 in] |
|------------------|-----------------|

Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Terminal Position Assurance | No                         |
| Strain Relief               | With                       |
| Mating Alignment Type       | Keyed                      |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | PA 66 GF30     |
| Centerline (Pitch) | 9.4 mm[.37 in] |

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Height | 71.3 mm[2.81 in] |
| Product Width    | 38.3 mm[1.51 in] |
| Product Length   | 37.6 mm[1.48 in] |

Usage Conditions

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

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                      |               |
|----------------------|---------------|
| Degree of Protection | IP6K7, IP6K9K |
|----------------------|---------------|

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

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 |

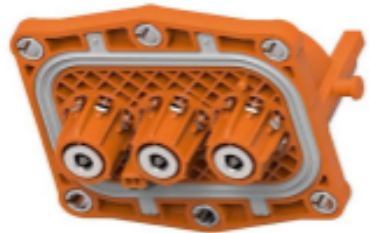


|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free                                      |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                      |

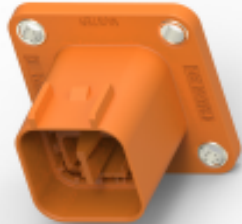
Product Compliance Disclaimer

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 # YHVA630-2PHI-HDR-A  
HVA630 2P (1-2141272-1 ) HEADER, KEY A

Also in the Series | HVA 630



Automotive Connector Caps & Covers (10)



Automotive Connector EMC Shielding (3)



Automotive Housings(17)



Connector Seals & Cavity Plugs(7)





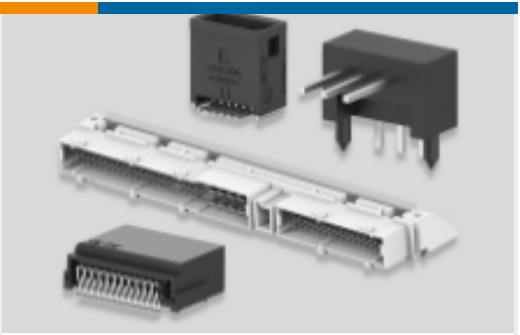
Electric, Hybrid & Fuel Cell Cable Assemblies(18)



High Voltage Wire Processing Equipment(13)



Other Automotive Connector Accessories(3)

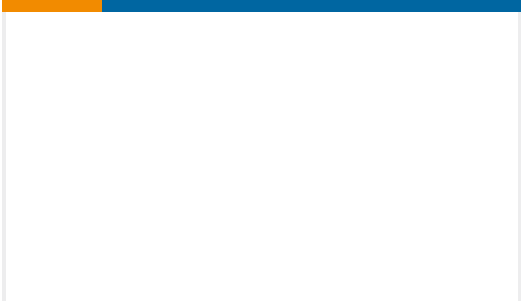


PCB Headers & Receptacles(2)

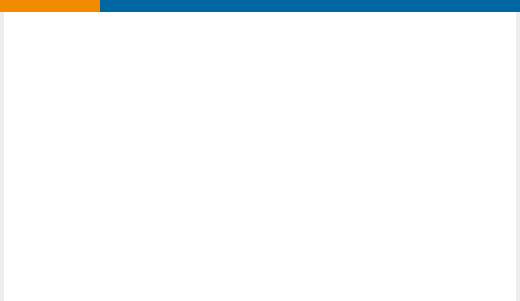
Customers Also Bought



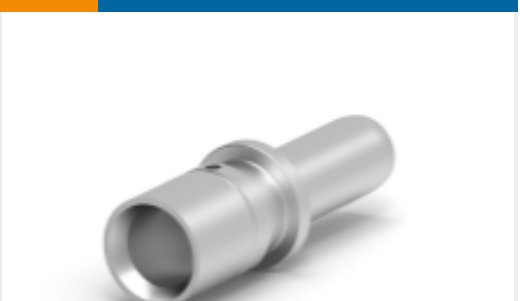
TE Part #2103247-6  
SPLIT HEADER ASSY, KEY F, HVA280



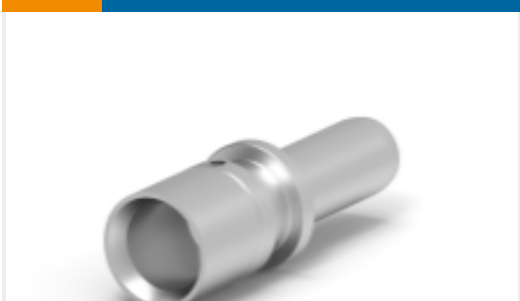
TE Part #1-2371113-1  
3POS,DIA 4MM,PIN HSG ASSY,SLD, COD A



TE Part #1-2371113-2  
3POS,DIA 4MM,PIN HSG ASSY,SLD, COD B



TE Part #SRK-PC-080-32-601  
PIN, SOLID, SIZE M8, 32mm2, AG



TE Part #SRK-PC-080-35-601  
PIN, SOLID, SIZE M8, 35mm2, AG



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



TE Part #2141256-1  
2POS,AMP MCP6.3/4.8K,REC HSG, ASSY



TE Part #2141264-3  
SINGLE WIRE SEAL,AMP MCP6.3/4.8K



TE Part #YHV280-2PM-P-4MM-E  
HVA280-2phm,pass,4sqmm,Key E



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

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_YHVA630-2PHM-6MM-A\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_YHVA630-2PHM-6MM-A\_A.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_YHVA630-2PHM-6MM-A\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[HIVONEX CONNECTORS & CHARGING SOLUTIONS](#)

English

[HEMS Sample Kit YHVA630-2phm-6mm-A](#)

English

Product Specifications

[Application Specification](#)

English