

Connectors > Automotive Connectors > Automotive Housings



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

Number of Positions: **2**

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

Centerline (Pitch): **10.4 mm [.409 in]**

Sealable: **Yes**

Features

Product Type Features

| | |
|--------------------------|-------------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Board, Wire-to-Device |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | On the Terminal |

Configuration Features

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

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 | B |

Contact Features

| | |
|--------------|--------------|
| Contact Size | .63mm, 2.8mm |
|--------------|--------------|

| | |
|------------------|----------------|
| Contact Type | Receptacle |
| Mating Tab Width | 2.8 mm[.11 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 GF |
| Centerline (Pitch) | 10.4 mm[.409 in] |

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 27.6 mm[1.087 in] |
| Product Width | 55.3 mm[2.177 in] |
| Product Length | 32.9 mm[1.295 in] |

Usage Conditions

| | |
|-----------------------------|---|
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 ° F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F] |
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|---------|
| Degree of Protection | IP6K9K |
| UL Flammability Rating | UL 94HB |

Other

| | |
|--------------------------------------|-----|
| Serviceable | Yes |
| Connector Position Assurance Capable | Yes |

Product Compliance

For compliance documentation, visit the product page on TE.com>

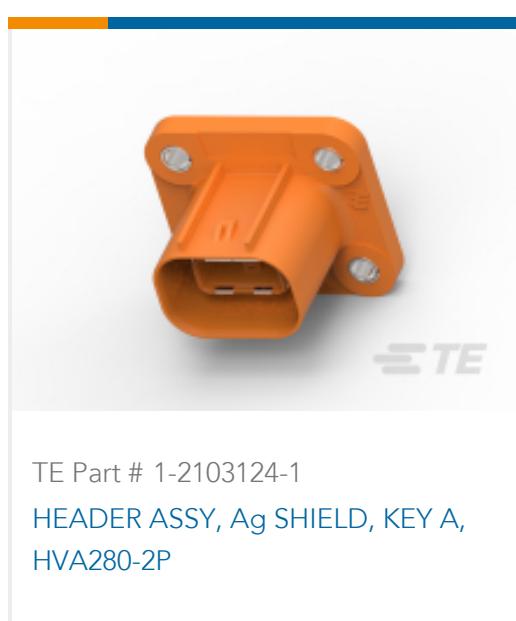
| | |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

| | |
|---|---|
| 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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 # 1-2103124-1
HEADER ASSY, Ag SHIELD, KEY A,
HVA280-2P

Customers Also Bought



TE Part #776262-2
14POS,PIN DIA 1.3,HDR ASSY,
180DEG,COD 2



TE Part #776267-5
AMPSEAL PCB Horizontal Headers



TE Part #YHV280-2PM-S-4MM-A
HVA280-2PHM,SHUNTED,4SQMM,
KEY A



TE Part #1-1718492-2
1.5MM TAB HSG 36 POS ASSY



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_YHV280-2PM-S-4MM-B_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHV280-2PM-S-4MM-B_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHV280-2PM-S-4MM-B_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[HEMS Sample Kit YHV280-2pm-s-4mm-B](#)

English