



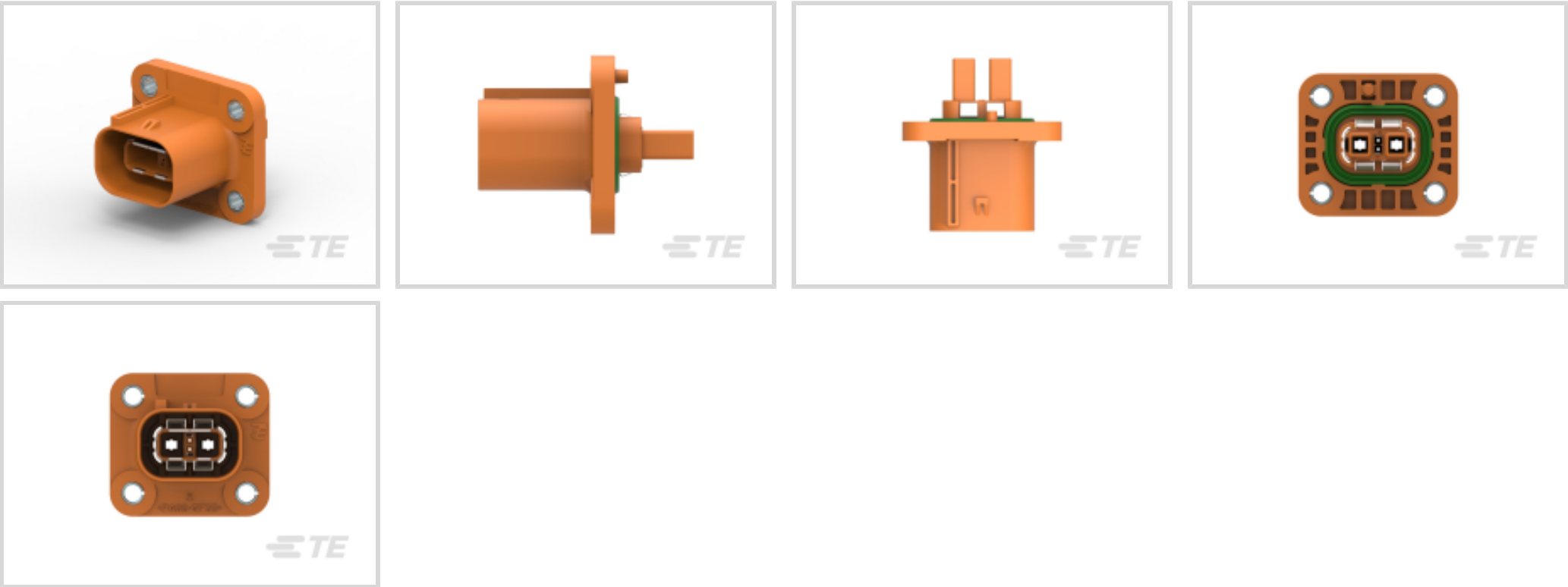
HVA 280

TE Internal #: 1-2103124-5

PCB Mount Header, Vertical, Wire-to-Device, 4 Position, 10.4 mm [.409 in] Centerline, Fully Shrouded, Silver, Through Hole - Press-Fit, HVA 280

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Press-Fit & SMT Header



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

Number of Positions: **4**

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

Sealable: **Yes**

PCB Mount Orientation: **Vertical**

[All Press-Fit & SMT Header \(26\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header | Yes |
| Connector Shape | Rectangular |
| PCB Connector Assembly Type | PCB Mount Header |
| Header Type | Fully Shrouded |
| Connector System | Wire-to-Device |
| Sealable | Yes |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------|----------|
| Number of Sections | 2 |
| Number of Signal Positions | 2 |
| Number of Positions | 4 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 1, 2 |



Electrical Characteristics

| | |
|----------------------|---------|
| Voltage Rating (Max) | 600 VDC |
|----------------------|---------|

Body Features

| | |
|-------------------------|--------|
| Primary Product Color | Orange |
| Connector & Keying Code | E |

Contact Features

| | |
|--------------------------------------|----------------|
| Contact Type | Tab |
| Mating Tab Width | 2.8 mm[.11 in] |
| Mating Tab Thickness | .8 mm[.031 in] |
| Contact Mating Area Plating Material | Silver |

Termination Features

| | |
|---|--------------------------|
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |
|---|--------------------------|

Mechanical Attachment

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

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 10.4 mm[.409 in] |
|--------------------|------------------|

Dimensions

| | |
|------------------|------------------|
| Connector Length | 45.4 mm[1.78 in] |
| Connector Width | 40.6 mm[1.59 in] |

Usage Conditions

| | |
|-----------------------------|--|
| Operating Temperature (Max) | 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[149 °F][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

| | |
|----------|-----|
| Shielded | Yes |
|----------|-----|



| | |
|---------------------|---------|
| Circuit Application | Signal |
| Packaging Features | |
| Packaging Quantity | 1 |
| Packaging Method | Package |

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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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>

Also in the Series | HVA 280



| | | | |
|---|---|--|-----------------------------------|
| | | | |
| Automotive Connector Caps & Covers (5) | Automotive Connector EMC Shielding (15) | Automotive Housings(71) | Connector Seals & Cavity Plugs(8) |
| | | | |
| Electric, Hybrid & Fuel Cell Cable Assemblies(21) | High Voltage Wire Processing Equipment(7) | Other Automotive Connector Accessories(39) | PCB Headers & Receptacles(32) |

Customers Also Bought

| | | | |
|---|--|--|--|
| | | | |
| TE Part #968073-2 PQ5,2 Sn rec LL unseal. >2,5-4 | TE Part #776487-4 AS 16, 4P PLUG ASSY, KEY 4 | TE Part #172128-1 FF 250 REC HSG 1P NYLON NAT | TE Part #282370-1 070 MULTILOCK CAP HSG 8 POS |
| | | | |
| TE Part #2-2141598-2 TAB 2.8x0.8 CONTACT CF SRC Ag | TE Part #1564324-3 AMP MCP 1.5K, CONTACT, SWS | TE Part #4-2103015-5 PLUG SUBASSY, E, HVA280-2PHM F | TE Part #172494-1 MIC MARK-2 PLUG HSG 5P |
| | | | |
| TE Part #91287-1 TOOL,T-HANDLE | TE Part #336363-3 TOP COVER , ISCS | | |

Documents



Product Drawings

HEADER ASSY, Ag SHIELD, KEY E, HVA280-2P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2103124-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2103124-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2103124-5_B.3d_stp.zip

English

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

Instruction Sheets

Instruction Sheet (U.S.)

English