



HVA 280

TE Internal #: 4-2103015-5

Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 2 Position, .409 in [10.4 mm] Centerline, Sealable, Orange, Signal, HVA 280

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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

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

Contact Features

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|--|--|
| | |
|--|--|



| | |
|------------------|----------------|
| Contact Size | 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

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|------------------|-------------------|
| 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

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|-----------------------------|---|
| 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>](#)




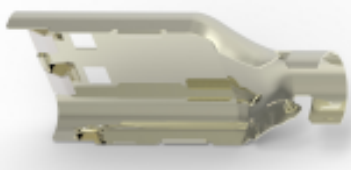















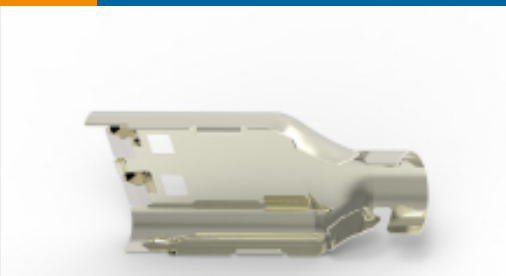


| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | 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








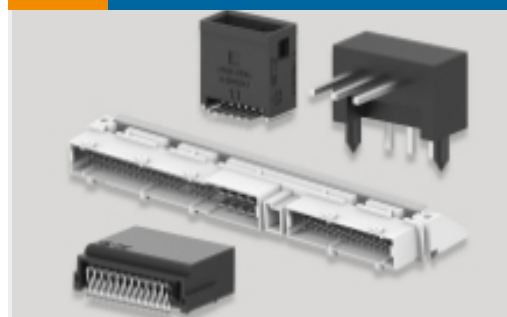
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

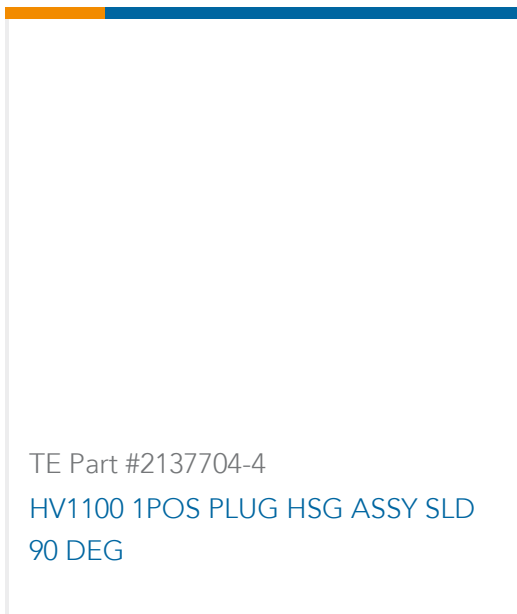
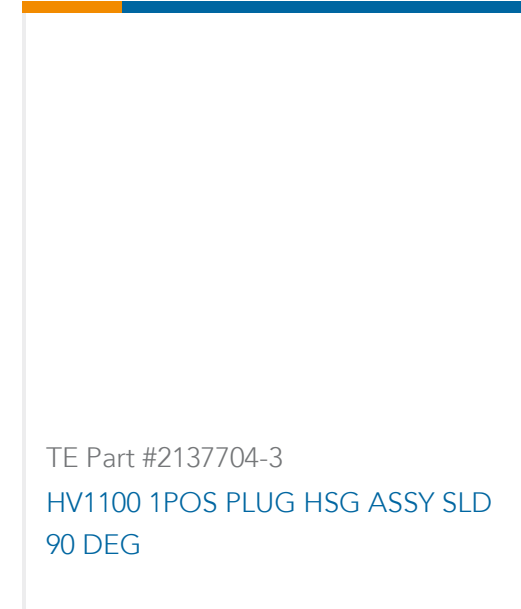
| | | | |
|---|---|--|---|
|  <p>TE Part # 1587723-2 INNER FERRULE, SIZE B, HVA280-</p> |  <p>TE Part # 1587724-2 OUTER FERRULE, SIZE B, HVA280</p> |  <p>TE Part # 2103013-1 CABLE SEAL RETAINER, SIZE 1, HVA280</p> |  <p>TE Part # 1-2103157-2 SHIELD, PLUG, SIZE 2, Ag, HVA280</p> |
|  <p>TE Part # 1587724-3 OUTER FERRULE, SIZE C, HVA280</p> |  <p>TE Part # 1587985-1 INNER HSG SUBASSY, HVA280-2PHM</p> |  <p>TE Part # 1587723-3 INNER FERRULE, SIZE C, HVA280</p> |  <p>TE Part # 2103153-1 SPACER, HVA280-2PHM</p> |

| | | | |
|---|--|--|--|
|  <p>TE Part # 1587724-1 OUTER FERRULE, SIZE A, HVA280</p> |  <p>TE Part # 1587723-1 INNER FERRULE, SIZE A, HVA280</p> |  <p>TE Part # 2103157-1 SHIELD, PLUG, SIZE 1, Sn, HVA280</p> |  <p>TE Part # 2103306-1 INNER HOUSING, PLUG, HVA280-3PXM, XE</p> |
|  <p>TE Part # 2103188-2 CABLE SEAL, SIZE B, HVA280-3PM</p> |  <p>TE Part # 1587977-2 INNER HOUSING, PLUG, HVA280-2PHM, PASS T</p> |  <p>TE Part # 2103154-2 CABLE SEAL, SIZE 2, HVA280</p> |  <p>TE Part # 2103154-1 CABLE SEAL, SIZE 1, HVA280</p> |
|  <p>TE Part # 2103155-1 COLLET, SIZE 1, HVA280</p> |  <p>TE Part # 1-2103157-1 SHIELD, PLUG, SIZE 1, Ag, HVA280</p> |  <p>TE Part # 2103013-2 CABLE SEAL RETAINER, SIZE 2, BK, HVA280</p> |  <p>TE Part # 2103013-3 CABLE SEAL RETAINER, SIZE 2, OR, HVA280</p> |

Also in the Series | **HVA 280**

| | | | |
|---|---|---|--|
|  <p>Automotive Connector Caps & Covers (5)</p> |  <p>Automotive Connector EMC Shielding (15)</p> |  <p>Automotive Housings(78)</p> |  <p>Connector Seals & Cavity Plugs(8)</p> |
|  <p>Electric, Hybrid & Fuel Cell Cable Assemblies(6)</p> |  <p>High Voltage Wire Processing Equipment(7)</p> |  <p>Other Automotive Connector Accessories(37)</p> |  <p>PCB Headers & Receptacles(37)</p> |

Customers Also Bought



Documents

Product Drawings

[PLUG SUBASSY, E, HVA280-2PHM F](#)

English

[PLUG SUBASSY, E, HVA280-2PHM F](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_4-2103015-5_A.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-2103015-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2103015-5_A.3d_stp.zip](#)

English



Product Specifications

Application Specification

English

Application Specification

English

Application Specification

English