



HVA 280

TE Internal #: 4-2103015-1

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

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Connectors > Automotive Connectors > Automotive Housings



Number of Positions: 2

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

Mating Tab Width: 2.8 mm [.11 in]

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

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

Features

Industry Standards

IP Rating	IP6K9K
UL Flammability Rating	UL 94HB

Dimensions

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

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Mechanical Attachment

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

Other

Serviceable	Yes
Connector Position Assurance Capable	Yes



EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	850 VDC
Nominal Voltage Architecture	550 V, 24 V, 240 V, 600 V, 80 V, 90 V, 42 V, 48 V, 12 V, 125 V, 500 V

Body Features

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

Housing Features

Housing Material	PA GF
Centerline (Pitch)	10.4 mm[.409 in]

Contact Features

Contact Size	2.8mm
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]

Product Type Features

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

Configuration Features

Number of Positions	2
Number of Rows	1

Usage Conditions

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

-40 – 125 °C[-40 – 257 °F]

Operation/Application

Circuit Application	Signal
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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) Candidate List Declared Against: JUNE 2024 (241) 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



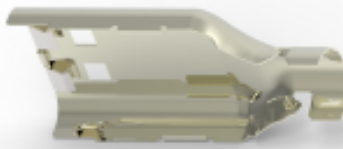
TE Part # 1587985-1
INNER HSG SUBASSY, HVA280-2PHM



TE Part # 2103013-1
CABLE SEAL RETAINER, SIZE 1, HVA280



TE Part # 2103013-3
CABLE SEAL RETAINER, SIZE 2, OR, HVA280



TE Part # 1-2103157-2
SHIELD, PLUG, SIZE 2, Ag, HVA280



TE Part # 1587723-2
INNER FERRULE, SIZE B, HVA280-

TE Part # 2103154-2
CABLE SEAL, SIZE 2, HVA280

TE Part # 1-2208103-5
2POS,HVA,2 PHM,SHUNTED,HYB ASSY

TE Part # 1587977-2
INNER HOUSING, PLUG, HVA280-2PHM, PASS T

TE Part # 1587723-1
INNER FERRULE, SIZE A, HVA280

TE Part # 1587724-1
OUTER FERRULE, SIZE A, HVA280

TE Part # 2103154-3
CABLE SEAL, SIZE 3, HVA280

TE Part # 1587722-2
CABLE SEAL RETAINER, SIZE B, HVA280-3PM

TE Part # 2103414-1
SHIPPING CAP TYPE 1, PLUG, HVA280

TE Part # 1587723-3
INNER FERRULE, SIZE C, HVA280

TE Part # 1587724-2
OUTER FERRULE, SIZE B, HVA280

TE Part # 2103153-1
SPACER, HVA280-2PHM

TE Part # 1587724-3
OUTER FERRULE, SIZE C, HVA280

TE Part # 1-2103157-1
SHIELD, PLUG, SIZE 1, Ag, HVA280

TE Part # 2103306-1
INNER HOUSING, PLUG, HVA280-3PXM, XE

TE Part # 2103157-1
SHIELD, PLUG, SIZE 1, Sn, HVA280

Also in the Series | **HVA 280**

Automotive Connector Caps & Covers (5)

Automotive Connector EMC Shielding (15)

Automotive Headers(32)

Automotive Housings(71)



Connector Seals & Cavity Plugs(8)



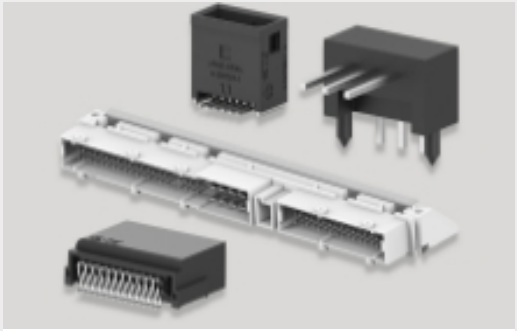
Electric, Hybrid & Fuel Cell Cable Assemblies(21)



High Voltage Wire Processing Equipment(7)

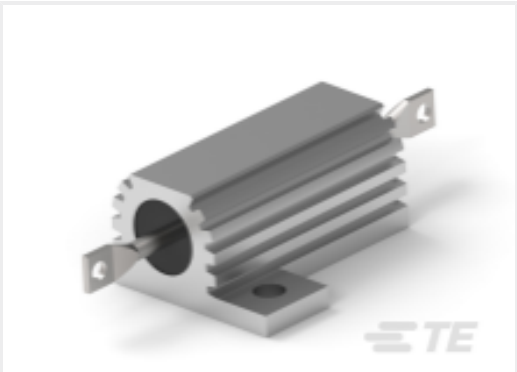


Other Automotive Connector Accessories(38)



PCB Headers & Receptacles(32)

Customers Also Bought



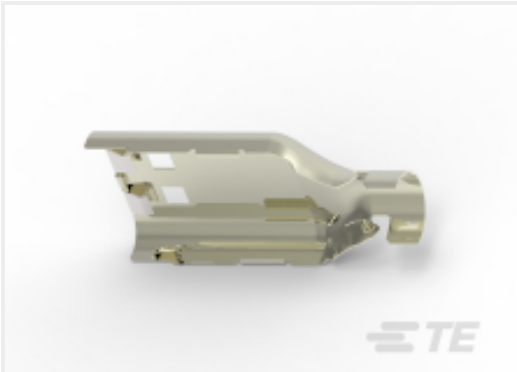
TE Part #CAT-C339-T419
Power Resistor: Aluminum Housed, 75 Watt



TE Part #1587723-2
INNER FERRULE, SIZE B, HVA280-



TE Part #1587724-2
OUTER FERRULE, SIZE B, HVA280



TE Part #1-2103157-2
SHIELD, PLUG, SIZE 2, Ag, HVA280



TE Part #7-2176416-6
9W STD M/OX 5% 68K



TE Part #NB07666001
HTAT-24/6-0-50MM



TE Part #1718328-2
FIXING SLIDE



TE Part #2103013-2
CABLE SEAL RETAINER, SIZE 2, BK, HVA280



TE Part #2103155-2
COLLET, SIZE 2, HVA280

Documents



Product Drawings

PLUG SUBASSY, A, HVA280-2PHM F

English

PLUG SUBASSY, A, HVA280-2PHM F

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-2103015-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2103015-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2103015-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Application Specification

English

Application Specification

English