4-2103015-4 ✔ ACTIVE

HVA 280

TE Internal #: 4-2103015-4

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

View on TE.com >

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	D

Contact Features

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

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



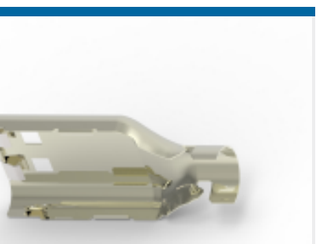
TE Part # 1587723-2
INNER FERRULE, SIZE B, HVA280-



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



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



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



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



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



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



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



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



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



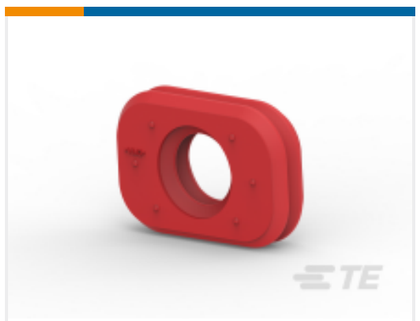
TE Part # 2103306-1
INNER HOUSING, PLUG, HVA280-3PXM, XE



TE Part # 2103188-2
CABLE SEAL, SIZE B, HVA280-3PM



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



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



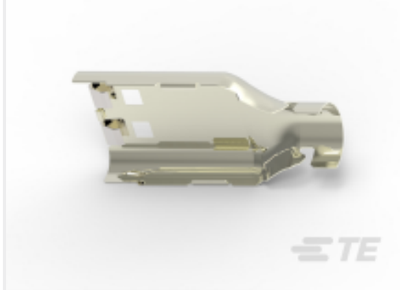
TE Part # 1587985-1
INNER HSG SUBASSY, HVA280-2PHM



TE Part # 2103154-1
CABLE SEAL, SIZE 1, HVA280



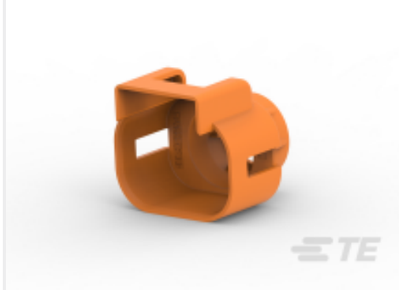
TE Part # 2103155-1
COLLET, SIZE 1, HVA280



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



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



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

Also in the Series | HVA 280



Automotive Connector Caps & Covers (5)



Automotive Connector EMC Shielding (14)



Automotive Housings(66)



Connector Seals & Cavity Plugs(8)



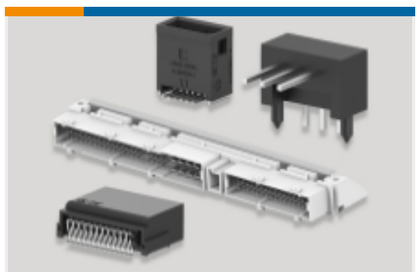
Electric, Hybrid & Fuel Cell Cable Assemblies(21)



High Voltage Wire Processing Equipment(7)



Other Automotive Connector Accessories(35)



PCB Headers & Receptacles(22)

Customers Also Bought



TE Part #2103124-4
HVA280 2P HEADER ASSY, KEY D



TE Part #1-968853-3
AMP MCP 2.8, CONTACT



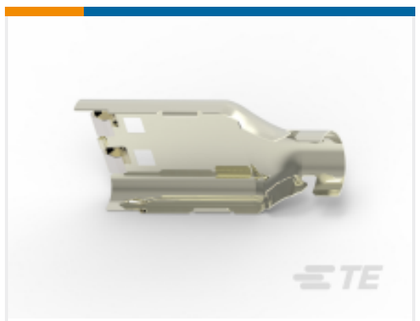
TE Part #2103168-1
CABLE SEAL RETAINER, SIZE 1, HVA280



TE Part #2103170-1
INNER HOUSING, CAP, HVA280-2PHM



TE Part #1-1991225-5
PROTECTIVE COVER. IPT 16-50mm sq. CABLE D



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



TE Part #2141265-3
COVER,SEAL



TE Part #4-2103015-6
PLUG SUBASSY, F, HVA280-2PHM F

TE Part #9-2177810-1
PIN DIA 6.0, L/N, ASSY



TE Part #9-2177861-1
FAMILY SEAL, MIXED, BU, Vers.1

Documents

Product Drawings

PLUG SUBASSY, D, HVA280-2PHM F

English

PLUG SUBASSY, D, HVA280-2PHM F

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-2103015-4_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2103015-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2103015-4_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

English

Application Specification

English

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

SBCHE154R7K SBCHE64R7K 1-962915-1 650075-000 936348-1 CPF0402B37K4E1 917696-1 SMW73R0JT 1743455-2 3430B2F51RTDF 3631B101LL CRGCQ2010J3K3 1-794222-0 RH73H2A40MKTN 141991-2 175977-2 2005330-1 2377783-2 1903112-2 2310537-1 3-1393225-0 TE50BR39J U5254-000005-030PA 2380312-2 1393431-1 1969656-1 2-292161-3 2834055-1 MPT100C18RF ROX05SJ18R