4-2103177-2 ✔ ACTIVE

HVA 280

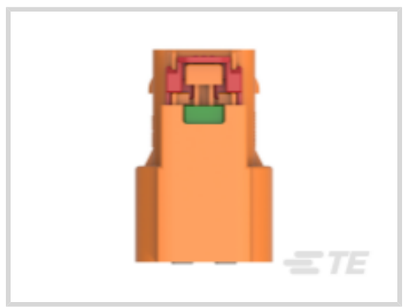
TE Internal #: 4-2103177-2

Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 2 Position, 10.4 mm [.409 in] Centerline, Sealable, Black, 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	600 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	Black
Connector & Keying Code	B

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	Without
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	26.4 mm[1.039 in]
Product Width	50.8 mm[2 in]
Product Length	32.9 mm[1.296 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[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

Circuit Application	Signal

Industry Standards

Degree of Protection	IP6K9K
UL Flammability Rating	UL 94HB

Other

Serviceable	No

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 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 # 2103124-2
HVA280 2P HEADER ASSY, KEY B



TE Part # 2103181-2
CABLE SEAL RTNR, SIZE B, HVA280-2PI XE



TE Part # 1587826-2
CABLE SEAL, SIZE B, HVA280-2PI



TE Part # 1587828-3
INNER FERRULE, SIZE C, HVA280-2PI



TE Part # 1587829-2
OUTER FERRULE, SIZE B, HVA280-2PI



TE Part # 2103181-1
CABLE SEAL RTNR, SIZE A, HVA280-2PI XE



TE Part # 2103181-3
CABLE SEAL RTNR, SIZE C, HVA280-2PI XE



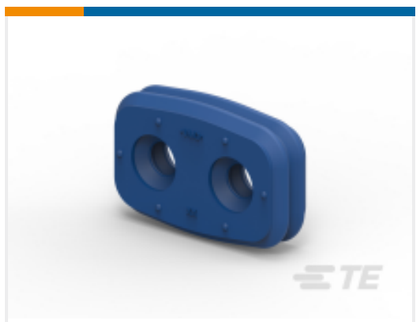
TE Part # 1587828-2
INNER FERRULE, SIZE B, HVA280-2PI



TE Part # 1587829-3
OUTER FERRULE, SIZE C, HVA280-2PI



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



TE Part # 1587826-1
CABLE SEAL, SIZE A, HVA280-2PI

Also in the Series | HVA 280



Automotive Connector Caps & Covers (5)



Automotive Connector EMC Shielding (14)



Automotive Housings(66)



Connector Seals & Cavity Plugs(8)



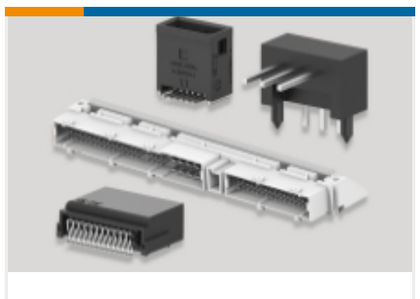
Electric, Hybrid & Fuel Cell Cable Assemblies(21)



High Voltage Wire Processing Equipment(7)



Other Automotive Connector Accessories(35)



PCB Headers & Receptacles(22)

Customers Also Bought



TE Part #1587826-2
CABLE SEAL, SIZE B, HVA280-2PI



TE Part #1587828-3
INNER FERRULE, SIZE C, HVA280-2PI



TE Part #1587829-2
OUTER FERRULE, SIZE B, HVA280-2PI



TE Part #1676344-2
RN 0805 453R 0.1% 10PPM 1KRL



TE Part #1587827-3
CABLE SEAL RETAINER, SIZE C, HVA280-2PI



TE Part #2103181-1
CABLE SEAL RTNR, SIZE A, HVA280-2PI XE



TE Part #2103181-3
CABLE SEAL RTNR, SIZE C, HVA280-2PI XE



TE Part #1587828-2
INNER FERRULE, SIZE B, HVA280-2PI



TE Part #1-1614892-6
CPF 0805 1K15 0.1% 25PPM 1K RL



TE Part #2-2367295-1
PROTECTION CAP/CVR,PCON21

Documents

Product Drawings

PLUG ASSY, KEY B, FA,CPA, HVA280-2PHI XE

English

PLUG ASSY, KEY B, FA,CPA, HVA280-2PHI XE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2103177-2_B_c-4-2103177-2-b.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2103177-2_B_c-4-2103177-2-b.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2103177-2_B_c-4-2103177-2-b.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

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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