2103191-2 ✔ ACTIVE

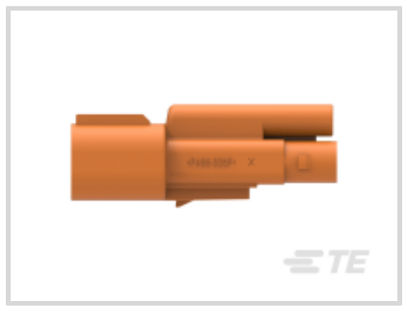
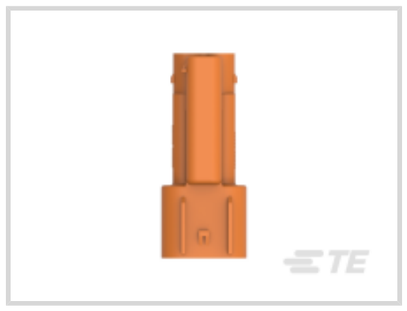
HVA 280

TE Internal #: 2103191-2

Housing for Male 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 Male Terminals**

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

Sealable: **Yes**

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Device
Connector & Housing Type	Housing for Male 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	Orange
Connector & Keying Code	B

Contact Features

Contact Size	2.8mm
Contact Type	Tab
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	27.65 mm[1.08 in]
Product Width	71.55 mm[2.81 in]
Product Length	29.9 mm[1.17 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

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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: JUN 2015 (163) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

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

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

TE Part # 2-2141600-2
TAB 2.8x0.8 CONTACT CF SRC Ag

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

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

TE Part # 1587530-1
CABLE SEAL HVA SIZE A-B

TE Part # 1587530-2
CABLE SEAL HVA SIZE C-D

TE Part # 1587940-1
CABLE SEAL RETAINER, SIZE A

TE Part # 1587940-2
CABLE SEAL RETAINER, SIZE B

TE Part # 1587940-3
CABLE SEAL RETAINER, SIZE C

Also in the Series | HVA 280

Automotive Connector Caps & Covers (5)

Automotive Connector EMC Shielding (15)

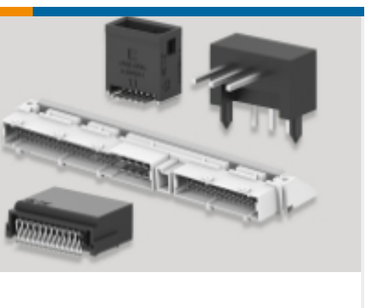
Automotive Housings(71)

Connector Seals & Cavity Plugs(8)

Electric, Hybrid & Fuel Cell Cable Assemblies(21)

High Voltage Wire Processing Equipment(7)

Other Automotive Connector Accessories(38)



PCB Headers & Receptacles(32)

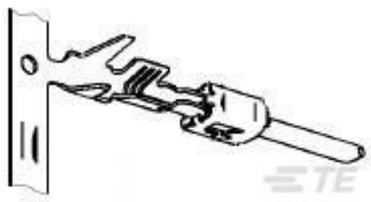
Customers Also Bought

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

TE Part #HDP24-24-21SE-L017
REC, 21P, BLK, E, RNG, 12/16, S

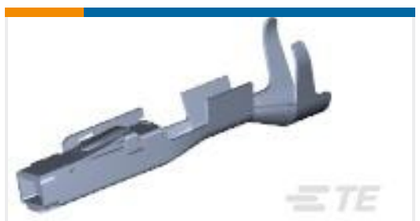
TE Part #DTM13-12PA-R008
HDR, 12P, BLK, RA EEC, NI/CU, A

TE Part #DTM04-6P-E003
REC, 6P, GRY, N, CAP



TE Part #2-2141598-2
TAB 2.8x0.8 CONTACT CF SRC Ag

TE Part #2822357-1
070 CAVITY PLUG



TE Part #7-1452668-1
MCON 1.2 LL REC SWS SN

TE Part #5-1418758-1
MCON 1.2 LL TAB STC SN

TE Part #DT4P-L012-GKT
GASKET, 4P, BLK, DT/DTM

TE Part #2103191-1
CAP SUBASSY, KEY A, HVA280-2PHI

Documents

Product Drawings

CAP SUBASSY, KEY B, HVA280-2PHI

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2103191-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2103191-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2103191-2_A.3d_stp.zip

English

Product Specifications

Application Specification

English