



Connectors > Automotive Connectors > Automotive Housings



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

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, Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	2
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Electrical Characteristics

Operating Voltage	750 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

Contact Features

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

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Polarized
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	42.45 mm[1.671 in]
Product Width	42.45 mm[1.671 in]
Product Length	19.3 mm[.76 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
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Industry Standards

Degree of Protection	IP6K9K
UL Flammability Rating	UL 94HB

Other

Serviceable	No
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
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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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 2103169-2
OUTER HOUSING, CAP, KEY B,
HVA280-2PHM



TE Part # 2103169-1
OUTER HOUSING, CAP, KEY A,
HVA280-2PHM



TE Part # 2103169-4
OUTER HOUSING, CAP, KEY D,
HVA280-2PHM



TE Part # 2103169-5
OUTER HOUSING, CAP, KEY E,
HVA280-2PHM



TE Part # 2103169-6
OUTER HOUSING, CAP, KEY F,
HVA280-2PHM

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(39)	PCB Headers & Receptacles(32)

Customers Also Bought

TE Part # 2103013-1 CABLE SEAL RETAINER, SIZE 1, HVA280	TE Part # 1587724-3 OUTER FERRULE, SIZE C, HVA280	TE Part # 1587985-1 INNER HSG SUBASSY, HVA280-2PHM	TE Part # 1587723-3 INNER FERRULE, SIZE C, HVA280
TE Part # 2103153-1 SPACER, HVA280-2PHM	TE Part # 1-968853-3 AMP MCP 2.8, CONTACT	TE Part # 4-2103015-1 PLUG SUBASSY, A, HVA280-2PHM F	TE Part # 2103157-1 SHIELD, PLUG, SIZE 1, Sn, HVA280
TE Part # 2103154-1 CABLE SEAL, SIZE 1, HVA280	TE Part # 2103155-1 COLLET, SIZE 1, HVA280		

Documents



Product Drawings

INNER HOUSING, CAP, HVA280-2PHM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2103170-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2103170-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2103170-1_A.3d_stp.zip

English

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