



Connectors > Automotive Connectors > Automotive Housings



Number of Positions: 1

Connector & Housing Type: **Plug**

Mating Pin Diameter: **8 mm [.315 in]**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Sealable: **Yes**

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	1
Number of Positions	1
Number of Rows	1

Electrical Characteristics

Operating Voltage	850 VDC
-------------------	---------

Body Features



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

Contact Features

Contact Size	8mm
Contact Type	Socket
Mating Pin Diameter	8 mm[.315 in]
Contact Current Rating (Max)	200 A

Mechanical Attachment

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

Housing Features

Housing Material	PA 66 GF
------------------	----------

Dimensions

Product Width	56.8 mm[2.24 in]
Product Length	59 mm[2.32 in]
Connector Height	102 mm[4.01 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

IP Rating	IP6K7, IP6K9K
Compatible With Agency/Standards Products	LV214
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	15
--------------------	----



Packaging Method	Box
Other	
Connector Position Assurance Capable	No

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

<div></div> <div>TE Part # 2324108-7 1POS,P2P,HDR ASSY,COD A,UL94V-0</div>	<div></div> <div>TE Part # 2324108-2 1POS,PIN DIA 8.0,HDR ASSY,COD B</div>	<div></div> <div>TE Part # 541872-2 APPLICATOR HV, 180AK, CAT2, 25SQ. MM</div>	<div></div> <div>TE Part # 1-2324108-7 1POS,P2P,HDR ASSY,COD A,UL94V-0</div>
--	--	--	--

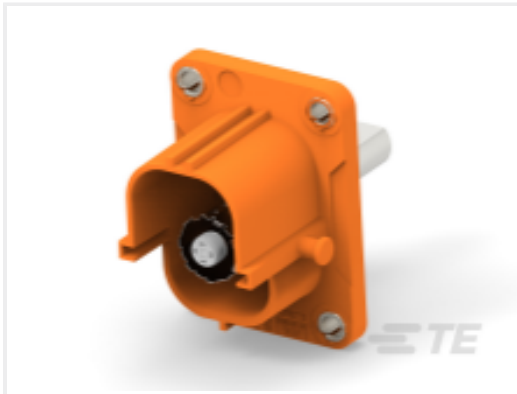





TE Part # 4-2324108-1
1POS,P2P,HDR ASSY,COD A,UL94V-0



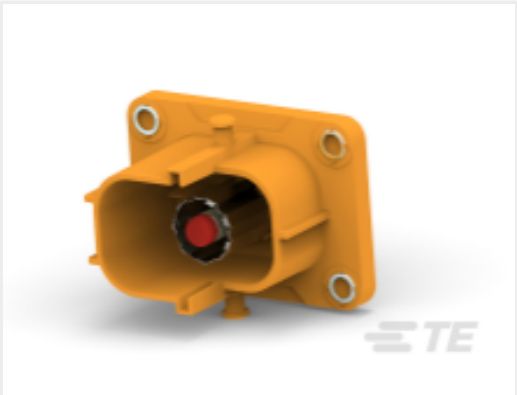
TE Part # 2324108-1
1POS,P2P,HDR ASSY,COD A,UL94V-0




TE Part # 2324108-3
1POS,PIN DIA 8.0,HDR ASSY,COD C




TE Part # 2324108-5
1POS,PIN DIA 8.0,HDR ASSY,COD E




TE Part # 4-2324108-2
1POS,PIN DIA 8.0,HDR ASSY,COD B



TE Part # 2324108-6
1POS,PIN DIA 8.0,HDR ASSY,COD F




TE Part # 2324108-4
1POS,PIN DIA 8.0,HDR ASSY,COD D

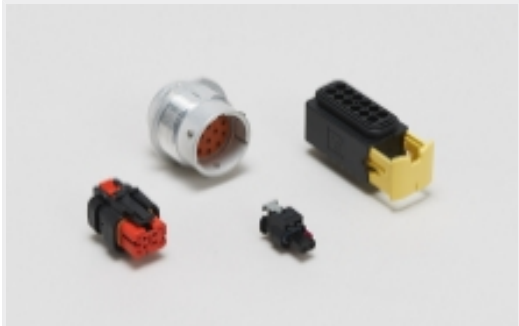


TE Part # 2299123-1
1POS,P2P,SOC HSG ASSY,180DEG, CODA,UL94V0


Also in the Series | AMP+ HVP800




Automotive Headers(14)



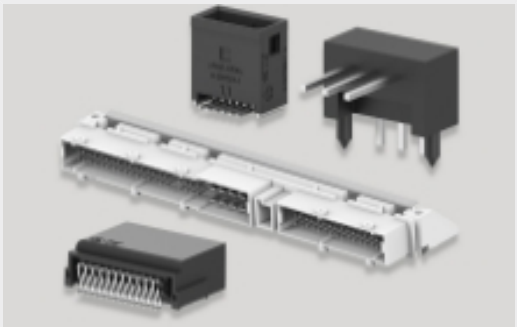
Automotive Housings(25)




Electric, Hybrid & Fuel Cell Cable Assemblies(13)



High Voltage Wire Processing Equipment(24)



PCB Headers & Receptacles(14)



Rectangular Power Connectors(12)

Customers Also Bought



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



TE Part #2361027-1
PLUG ASSY, KEY A, CPA, HVA280-2PHI, V0



TE Part #2341055-3
SEAL RETAINER,ASSY, HVA280 2PHI



Documents

Product Drawings

1POS,P2P,SOC HSG ASSY,180DEG,CODA,50SQMM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2324086-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2324086-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2324086-1_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

HIVONEX CONNECTORS & CHARGING SOLUTIONS

English

Product Specifications

Application Specification

English