



Connectors > Automotive Connectors > Automotive Connector Accessories > Automotive Connector EMC Shielding



Connector Shielding Accessory Type: **Ferrule**

Primary Product Material: **Copper Alloy**

Features

Product Type Features

Sealable	No
Connector Shielding Accessory Type	Ferrule

Body Features

Primary Product Material	Copper Alloy
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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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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	Hand solderable with lead free solder

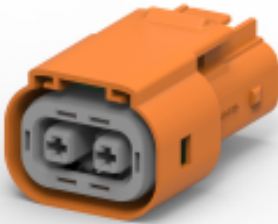
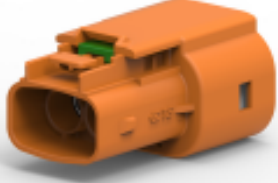
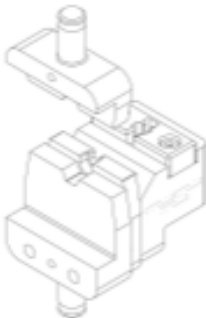
Product Compliance Disclaimer

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 # 4-2103177-6 PLUG ASSY, KEY F, FA,CPA, HVA280-2PHI XE	 TE Part # 4-2103177-1 PLUG ASSY, KEY A, FA,CPA, HVA280-2PHI XE	 TE Part # 4-2103177-5 PLUG ASSY, KEY E, FA,CPA, HVA280-2PHI XE	 TE Part # 4-2103177-4 PLUG ASSY, KEY D, FA,CPA, HVA280-2PHI XE
 TE Part # 1-2103177-4 PLUG ASSY, KEY D, TA, HVA280-2PHI XE	 TE Part # 2103191-2 CAP SUBASSY, KEY B, HVA280-2PHI XE	 TE Part # 4-2103177-2 PLUG ASSY, KEY B, FA,CPA, HVA280-2PHI XE	 TE Part # 1-2103177-1 PLUG ASSY, KEY A, TA, HVA280-2PHI XE
 TE Part # 1-2103177-2 PLUG ASSY, KEY B, TA, HVA280-2PHI XE	 TE Part # 2103191-1 CAP SUBASSY, KEY A, HVA280-2PHI XE	 TE Part # 2103191-4 CAP SUBASSY, KEY D, HVA280-2PHI XE	 TE Part # 2103191-5 CAP SUBASSY, KEY E, HVA280-2PHI XE
 TE Part # 2103191-6 CAP SUBASSY, KEY F, HVA280-2PHI XE	 TE Part # 2350495-3 HVA280 inner ferrule	 TE Part # 2359750-1 DIE SET HVA280-2P F 4mm2	 TE Part # 2400922-1 STEEL,INNER FERRULE,PCON18,180,35SQMM





TE Part # 2400922-2
STEEL, INNER FERRULE



TE Part # 2400922-3
STEEL, INNER FERRULE, PCON18, 180, 70SQMM



TE Part # 2400922-4
STEEL, INNER FERRULE, PCON18, 180, 25SQMM



TE Part # 2401674-1
STEEL, INNER FERRULE, PCON12

Also in the Series

HVA 280



Automotive Connector Caps & Covers
(5)



Automotive Connector EMC Shielding
(15)



Automotive Housings (70)



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 # 4-2103177-4
PLUG ASSY, KEY D, FA, CPA, HVA280-2PHI XE



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



TE Part # 2103731-3
SPACER-SEAL ASSY, SIZE C, HVA280 2PI SE



TE Part # 2266440-2
OCEAN_2.0_Applicator-S-107F146OV-RSA



TE Part # 2293270-3
PIN DIA 6.0, RIGID, POWER PE



TE Part # 2296056-6
STRAIN RELIEF, AC



TE Part # 2310537-1
PLUG ASSY, KEY A, CPA, HVA280-2PHI, V0



TE Part # 2358638-1
DIE SET DIA 6MM T 6MM2



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1587828-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1587828-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1587828-3_B.3d_stp.zip

English

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

Product Specifications

HVA 280 2phi SE Application Spec

English

HVA280-2phi High-Voltage Plug Connector

English