

1-2177053-1 ✓ ACTIVE

AMP+ HVP800

TE Internal #: 1-2177053-1

Housing for Male Terminals, Wire-to-Wire, 2 Position, .9 in [23 mm]

Centerline, Sealable, Orange, Wire & Cable, Signal, AMP+ HVP800

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Connectors > Automotive Connectors > Automotive Housings



Connector System: **Wire-to-Wire**

Number of Positions: 2

Connector & Housing Type: **Housing for Male Terminals**

Centerline (Pitch): 23 mm [.9 in]

Sealable: **Yes**

## Features

### Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	2
Number of Rows	1

### Electrical Characteristics

Operating Voltage	850 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°
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Primary Product Color	Orange
Connector & Keying Code	A

### Contact Features

Contact Size	8mm
Contact Type	Pin
Mating Pin Diameter	8 mm [.314 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)	23 mm [.9 in]

### Dimensions

Connector Height	57.3 mm [2.25 in]
Product Width	92.5 mm [3.64 in]
Product Length	85 mm [3.34 in]

### Usage Conditions

Operating Temperature (Max)	140 °C [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
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### Packaging Features

Packaging Quantity	18
Packaging Method	Box

### Other

Serviceable	No
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Connector Position Assurance Capable

Yes

### Product Compliance

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

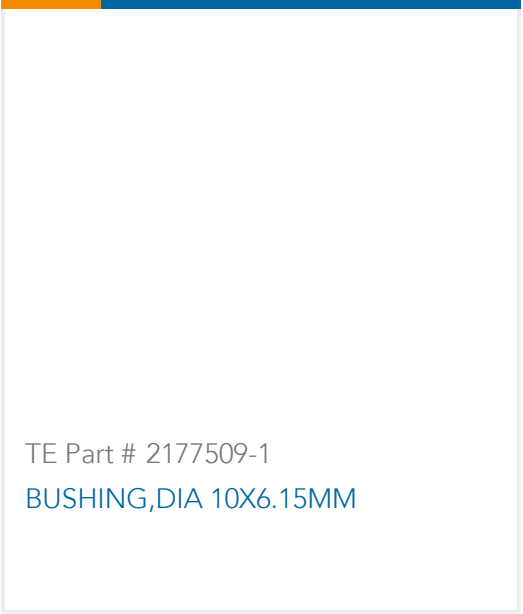
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does 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	Not reviewed for solder process capability

#### Product Compliance Disclaimer

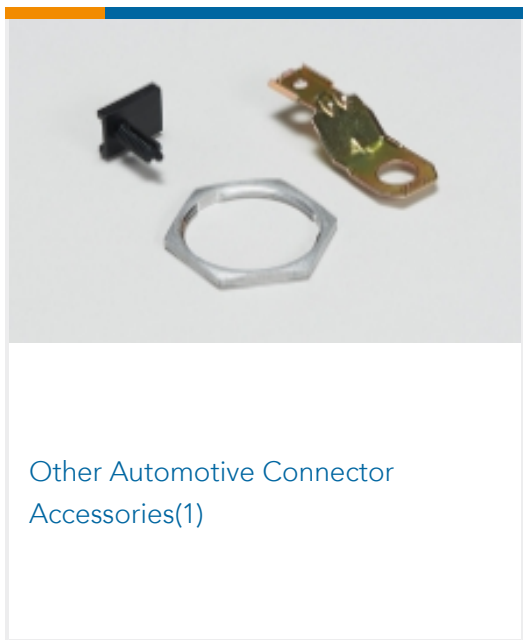
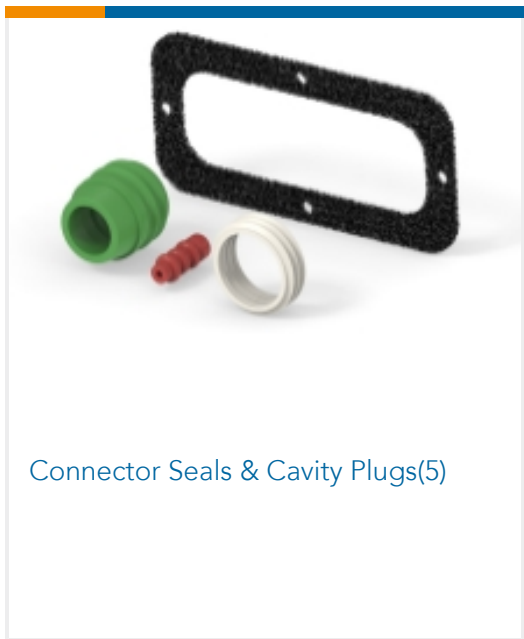
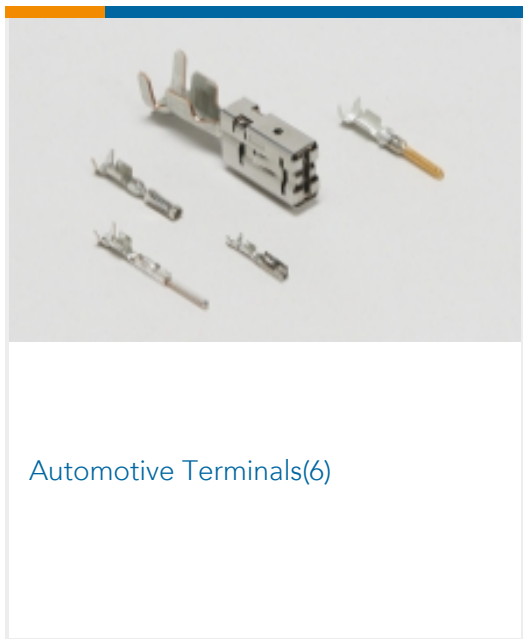
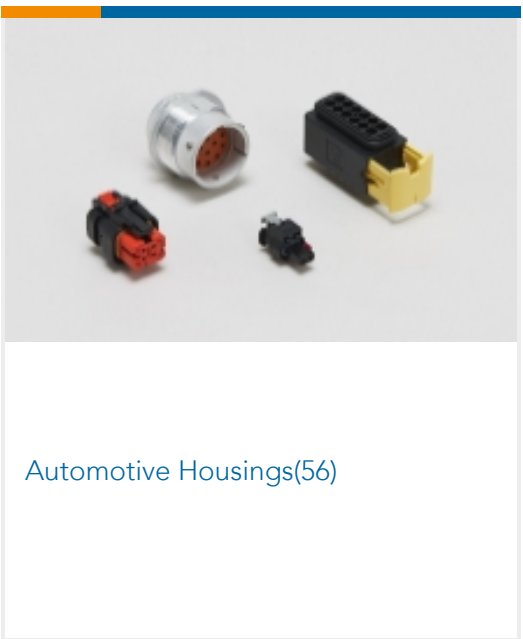
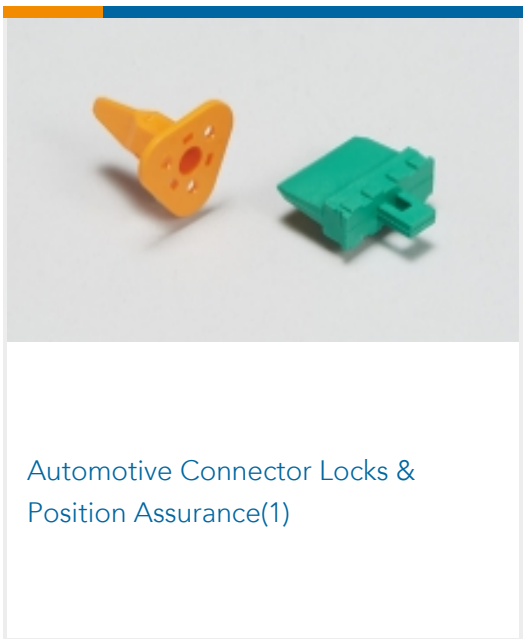
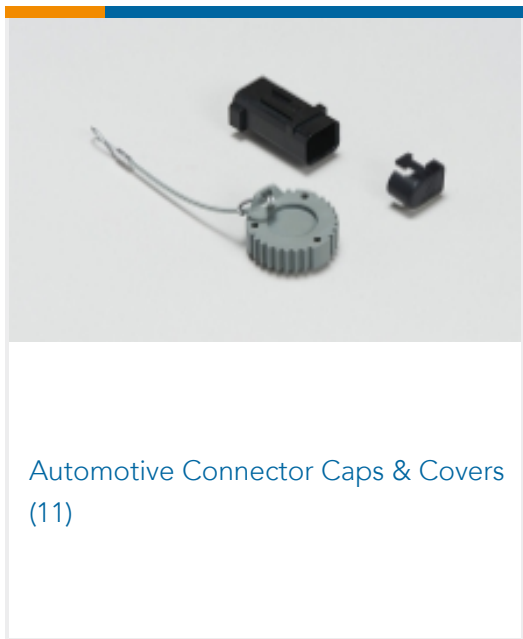
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Part # 2141156-1 SWS,8MM HV,WHT,50 SQMM</p>	 <p>TE Part # 2177059-1 PROTECTION CAP,180DEG</p>	 <p>TE Part # 2177058-1 INSULATION INSERT,180DEG</p>	 <p>TE Part # 2141156-2 SWS,8MM HV,WHT,35 SQMM</p>
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Also in the Series | AMP+ HVP800



Customers Also Bought



## Documents

### Product Drawings

[2POS, 8MM HV, PLUG HSG, ASSY, SEALED](#)

English

[2POS, 8MM HV, PLUG HSG, ASSY, SEALED](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2177053-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2177053-1\\_B.3d\\_igs.zip](#)

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[Product Specifications](#)

[Application Specification](#)

English