

1-2112502-1 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP Hybrids

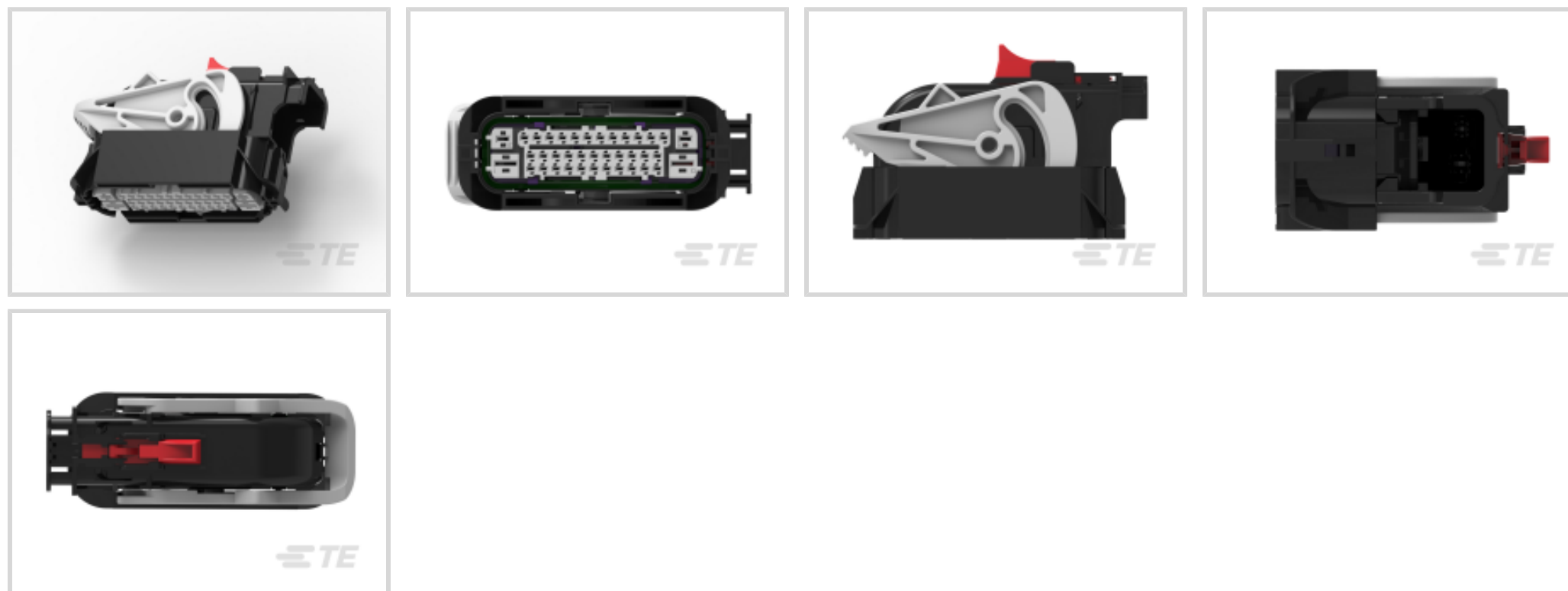
TE Internal #: 1-2112502-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 38  
Position, .157 in [4 mm] Centerline, Sealable, Gray, Signal, Hybrid

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Connectors > Automotive Connectors > Connector Housings > AMP MCP, SEALED CONNECTOR HOUSING



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

Mating Tab Width: **1.5 mm, 2.8 mm, 4.8 mm [ .059 in, .11 in, .189 in ]**

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

Number of Positions: **38**

Centerline (Pitch): **4 mm [ .157 in ]**

[All AMP MCP, SEALED CONNECTOR HOUSING \(158\)](#)

## Features

### Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	Yes
Hybrid Connector	Yes
Primary Locking Feature	On the Terminal

### Configuration Features

Number of Positions	38
Number of Rows	3

### Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

### Body Features



Cable Exit Angle	90°
Body Material	PBT GF
Primary Product Color	Gray
Connector Code	0

### Contact Features

Contact Size	1.5K, 2.8K, 4.8K, 6.3mm
Contact Type	Receptacle
Mating Tab Width	1.5 mm, 2.8 mm, 4.8 mm [.059 in][.11 in][.189 in]

### Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	With
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Centerline (Pitch)	4 mm [.157 in]
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### Dimensions

Product Width	32 mm [1.26 in]
Product Length	86 mm [3.386 in]
Product Height	36.1 mm [1.421 in]
Row-to-Row Spacing	6 mm [.236 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, 130 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F]
Operating Temperature Range	-40 – 130 °C [-40 – 266 °F]

### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Quantity	75
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Packaging Method

Bag & Box

Other

Serviceable	Yes
Connector Position Assurance Capable	Yes

Product Compliance

For compliance documentation, visit the product page on TE.com>

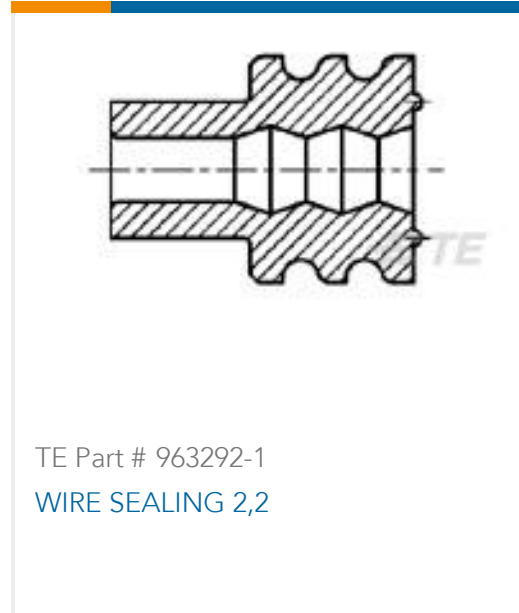
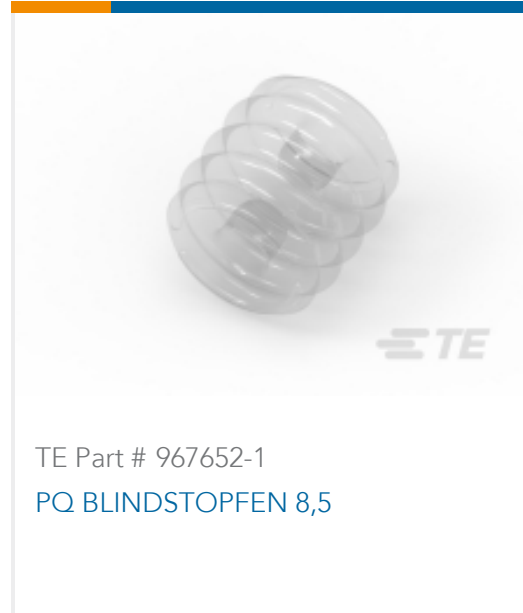
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

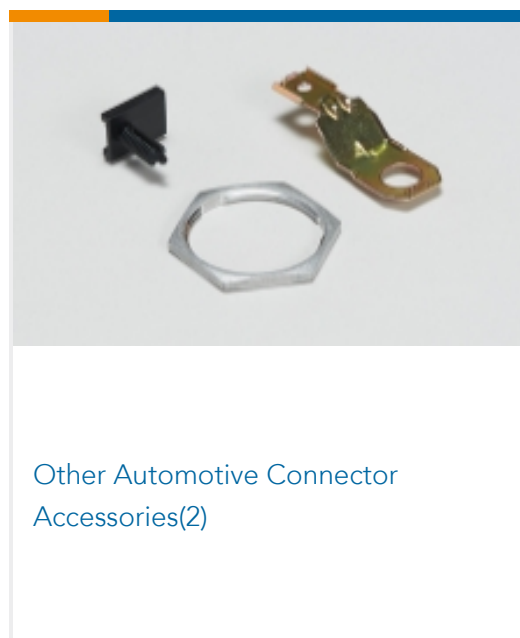
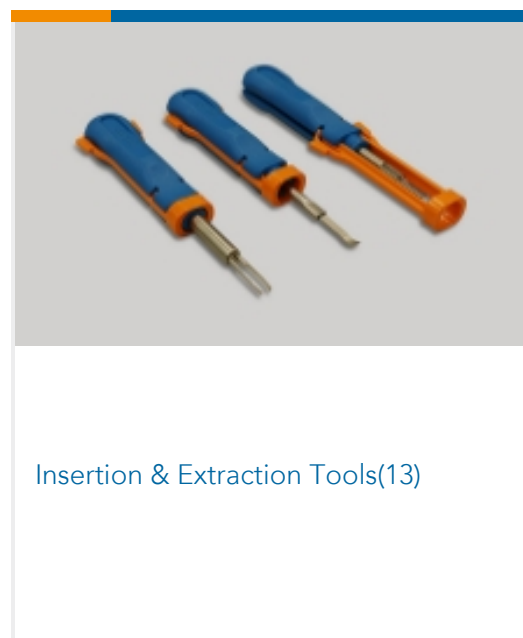
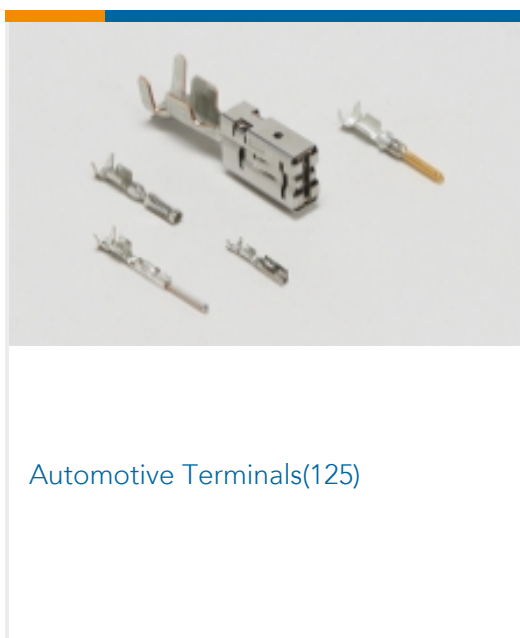
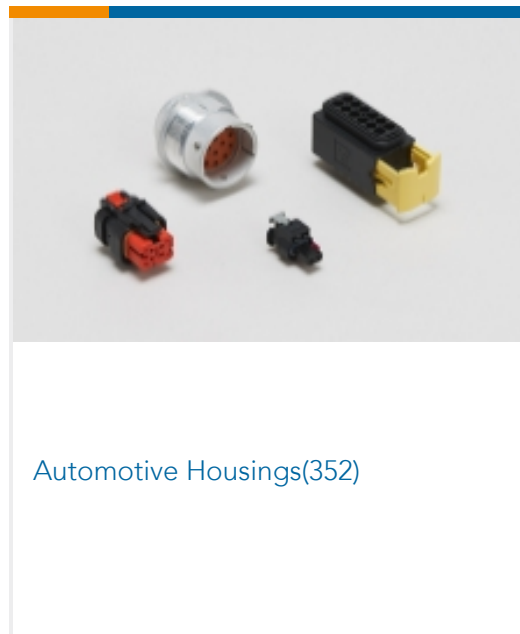
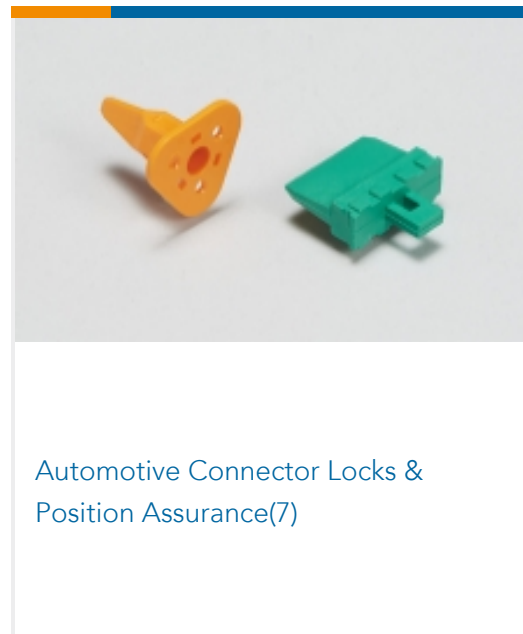
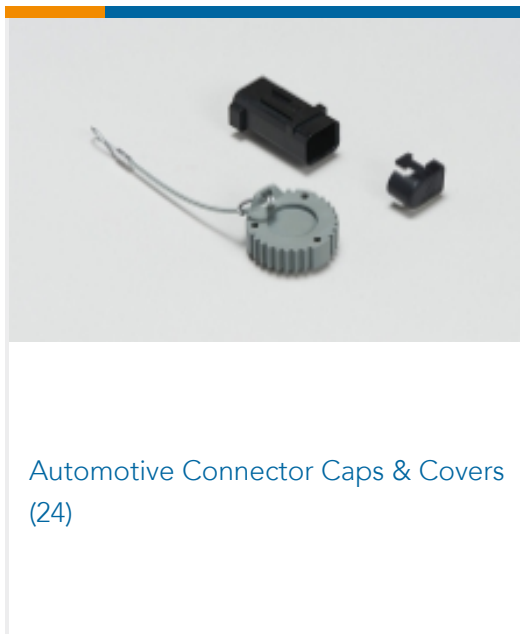
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1823111-1 SINGLE WIRE SEAL, FOR WIRE 2.5 SQMM, BN</p>	 <p>TE Part # 964972-1 EINZELLEITERDICHTNG</p>	 <p>TE Part # 1394512-1 EINZELLEITDICHTG, BL</p>	 <p>TE Part # 963531-1 BLINDSTOPFEN</p>
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Also in the Series | **AMP MCP Connector System**

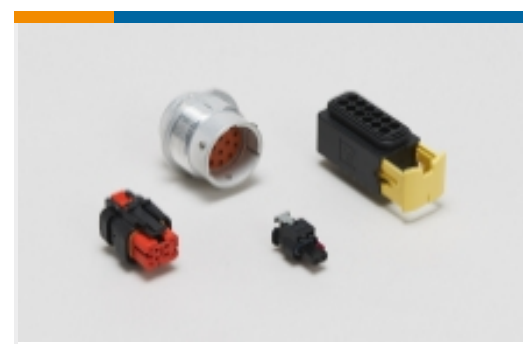


Also in the Series | **AMP MCP Hybrids**





Automotive Connector Caps & Covers  
(6)



Automotive Housings(48)

## Customers Also Bought



TE Part #284224-2  
MQS, CONNECTOR HOUSING



TE Part #2209441-1  
2W SPLASH PROOF CONN. W.S.L.  
JPT



TE Part #2050036-4  
64P ECU PLUG CONNECTOR



TE Part #6-929264-2  
MT2 GEH 6P,ASSY,SW



TE Part #2298627-1  
24POS,HYBRID,TAB HSG ASSY,  
UNSLD,COD A



TE Part #2299987-4  
65W PLUG ASSEMBLY



TE Part #2209954-1  
AIRBAG 24P COVER ASSY



TE Part #2209954-2  
AIRBAG 24P COVER ASSY

## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-2112502-1\\_B\\_c-1-2112502-1-b.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-2112502-1\\_B\\_c-1-2112502-1-b.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-2112502-1\\_B\\_c-1-2112502-1-b.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English

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Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 38 Position, .157 in [4 mm] Centerline, Sealable, Gray, Signal, Hybrid

