

4-2112780-2 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP Hybrids

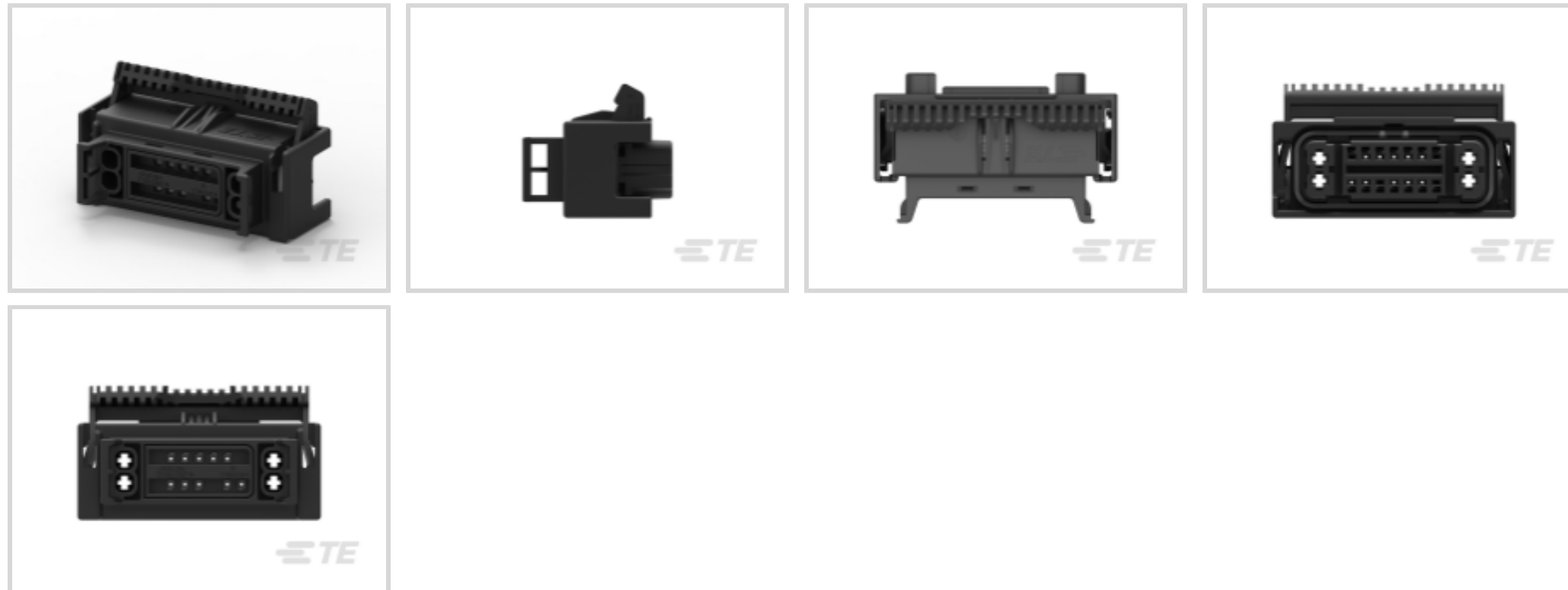
TE Internal #: 4-2112780-2

Housing for Female Terminals, Wire-to-Board, 18 Position, .137 in [3.5 mm] Centerline, Sealable, Black, Signal, Cable Mount (Free-Hanging), Hybrid

[View on TE.com >](#)



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



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

Number of Positions: **18**

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

Centerline (Pitch): **3.5 mm [ .137 in ]**

Sealable: **Yes**

[All AMP MCP, SEALED CONNECTOR HOUSING \(161\)](#)

## Features

### Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector System	Wire-to-Board
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing

### Configuration Features

Blank Cavity Position	11, 15, 2, 8
Number of Positions	18
Number of Rows	2

### Electrical Characteristics

Operating Voltage	50 VDC
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Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 50 V
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### Body Features

Cable Exit Angle	90°
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Primary Product Color	Black
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Connector & Keying Code	A
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### Contact Features

Contact Size	1.2mm, 2.8mm
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Contact Type	Receptacle
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Mating Tab Width	1.2 mm, 2.8 mm [.047 in][.11 in]
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### Mechanical Attachment

Terminal Position Assurance	No
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Strain Relief	Without
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Housing Material	PBT GF
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Centerline (Pitch)	3.5 mm [.137 in]
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### Dimensions

Connector Height	24 mm [.944 in]
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Product Width	37.1 mm [1.46 in]
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Product Length	60.3 mm [2.37 in]
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Row-to-Row Spacing	5.5 mm, 6.3 mm [.216 in][.248 in]
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### Usage Conditions

Operating Temperature (Max)	130 °C [266 °F]
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Operating Temperature Range	-40 – 130 °C [-40 – 266 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Degree of Protection	IPX9K
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Compatible With Agency/Standards Products	DIN IEC 512
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### Packaging Features



Packaging Quantity	320
Packaging Method	Box

### Other

Serviceable	Yes
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: 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

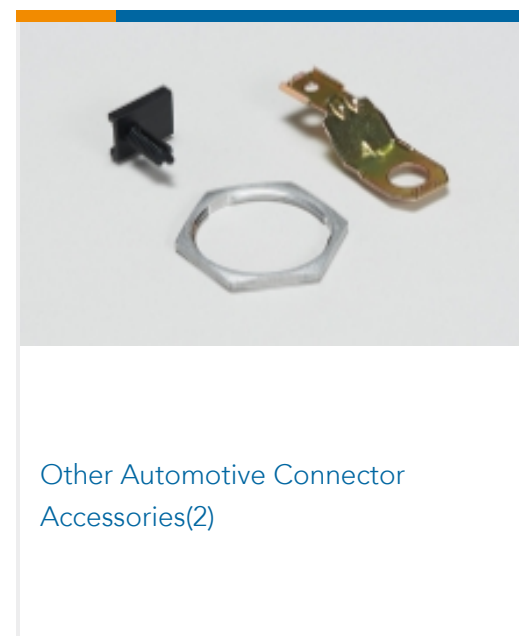
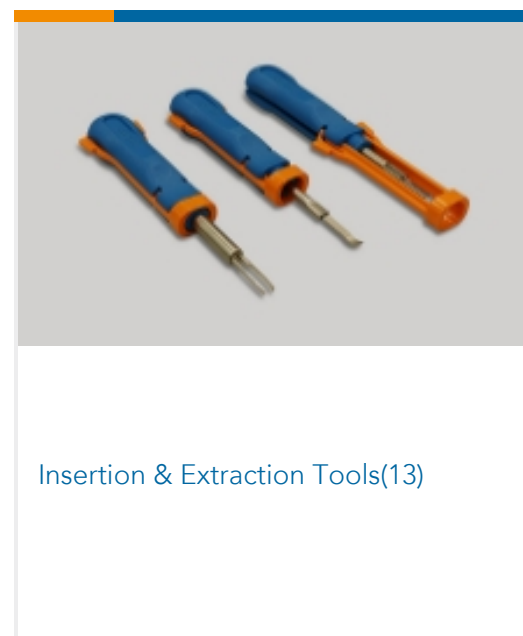
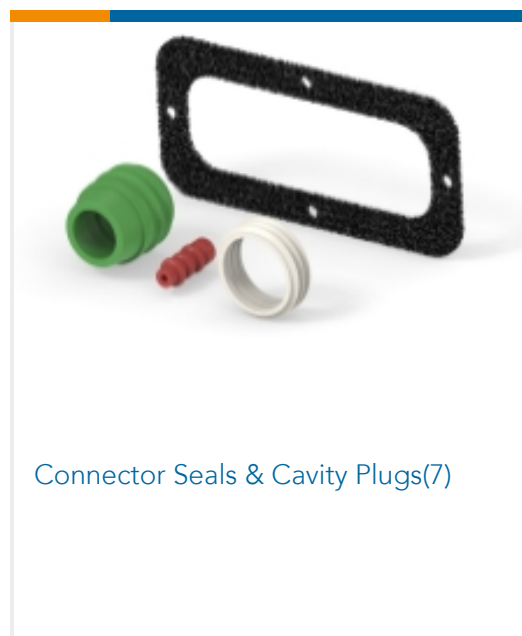
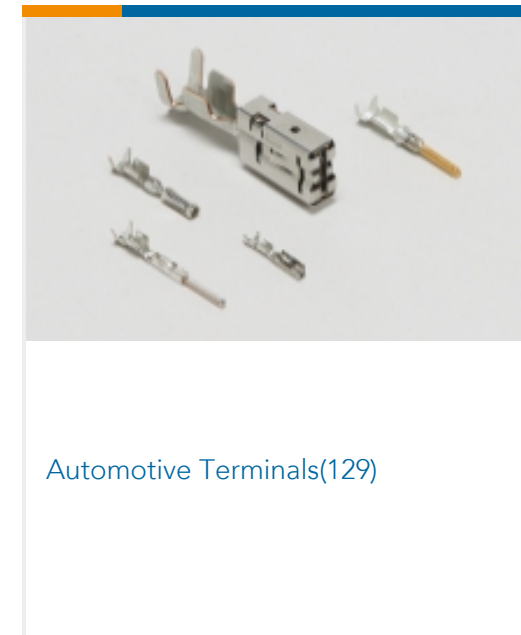
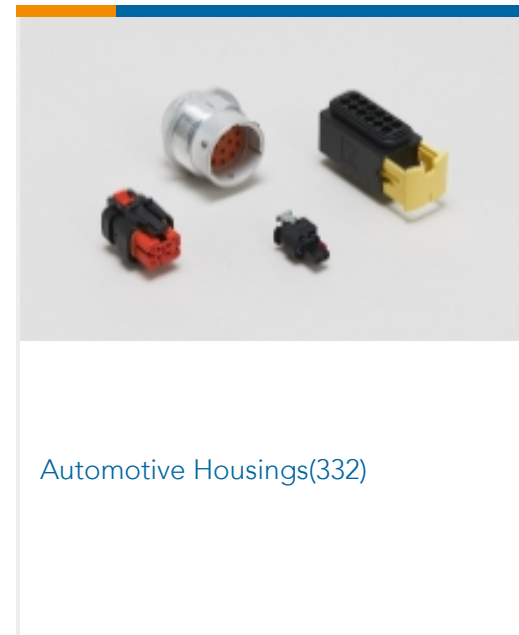
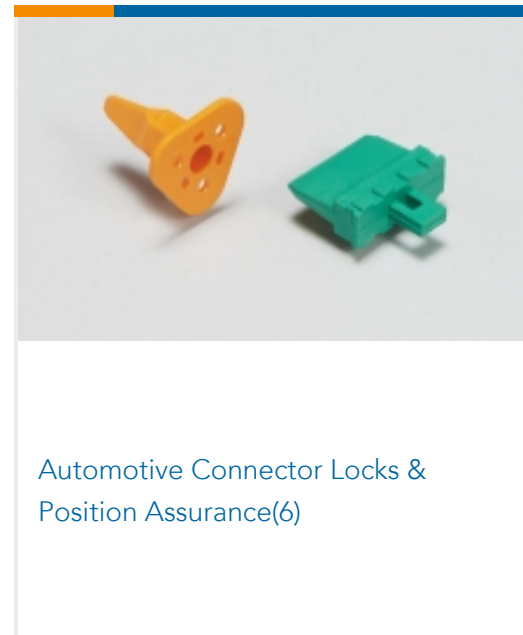
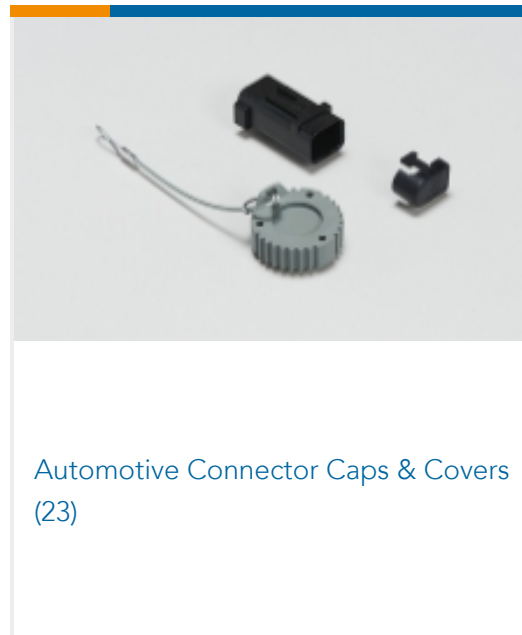
#### Product Compliance Disclaimer

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>

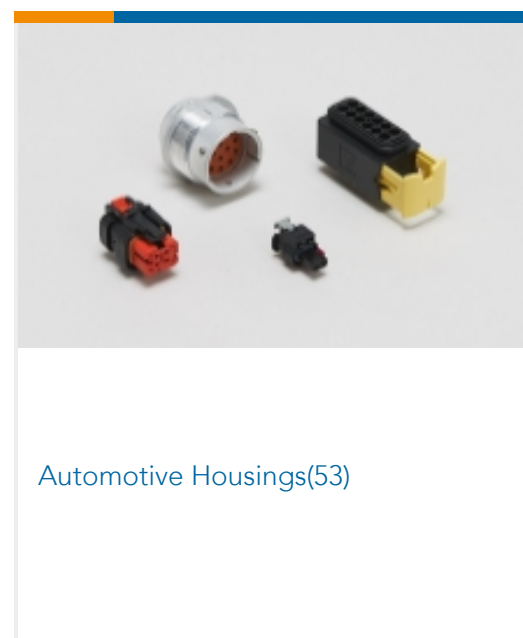
## Compatible Parts



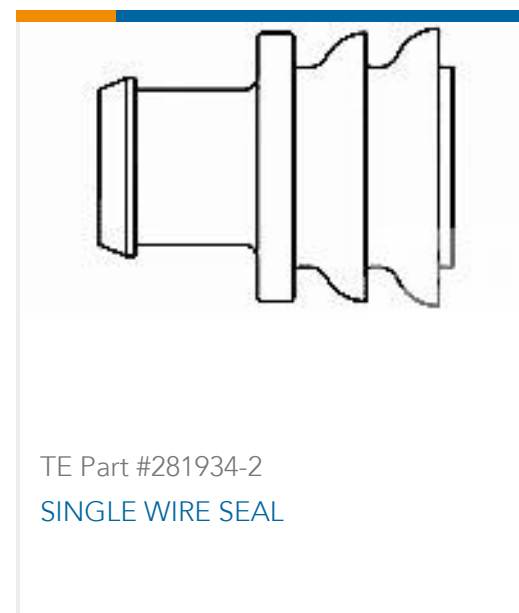
### Also in the Series | AMP MCP Connector System



### Also in the Series | AMP MCP Hybrids



### Customers Also Bought



## Documents

### Product Drawings

18POS, MIXED, REC HSG, ASSY, SEALED

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_4-2112780-2\\_F.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-2112780-2\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-2112780-2\\_F.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English