

1-2112780-2 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP Hybrids

TE Internal #: 1-2112780-2

Housing for Female Terminals, Wire-to-Wire, 18 Position, 1.457 in / .138 in [37 mm / 3.5 mm] Centerline, Sealable, Black, 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: **1.2 mm, 2.8 mm** [ .047 in, .11 in ]

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

Number of Positions: **18**

Centerline (Pitch): **3.5 mm, 37 mm** [ .138 in, 1.457 in ]

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

## Features

### Product Type Features

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

### Configuration Features

Blank Cavity Position	11, 15, 16, 2, 6, 8
Number of Positions	18
Number of Rows	2

### Electrical Characteristics

Operating Voltage	50 VAC
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### Body Features



Cable Exit Angle	180°
Body Material	PBT GF
Primary Product Color	Black
Connector Code	A

### Contact Features

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

### Mechanical Attachment

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

### Housing Features

Centerline (Pitch)	3.5 mm, 37 mm [.138 in][1.457 in]
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### Dimensions

Product Width	35 mm [1.378 in]
Product Length	60.3 mm [2.374 in]
Product Height	37.1 mm [1.461 in]
Row-to-Row Spacing	5.5 mm, 6.3 mm [.217 in][.248 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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### Industry Standards

Degree of Protection	IPX9K
Agency/Standard	DIN IEC 512



UL Flammability Rating	UL 94HB
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 applicable for solder process capability

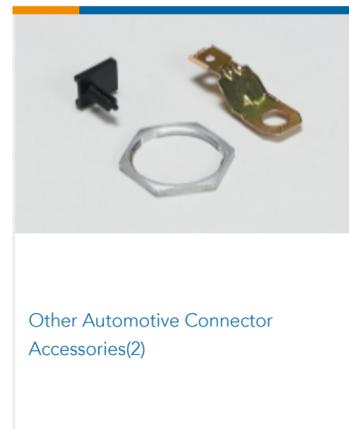
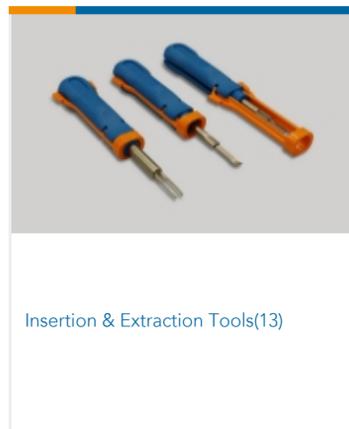
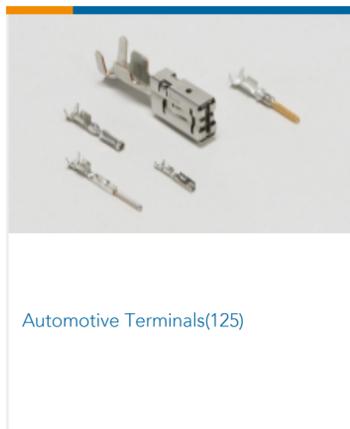
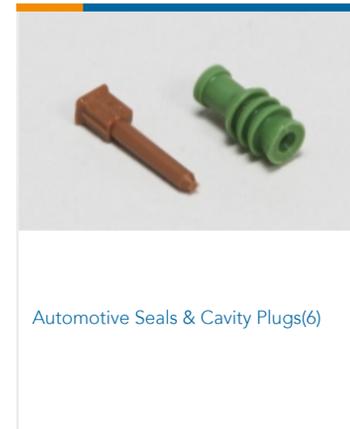
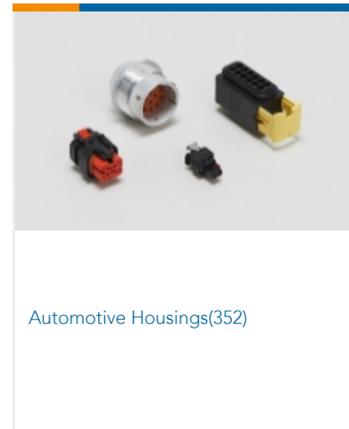
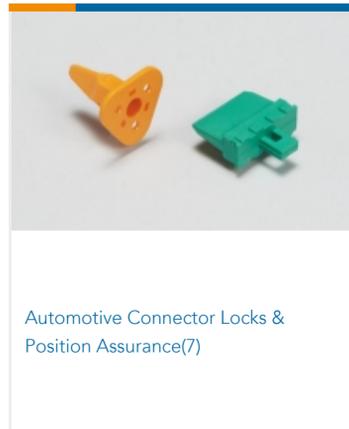
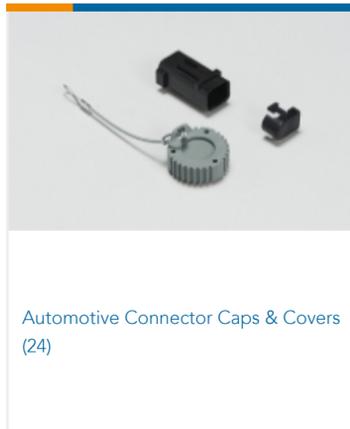
#### Product Compliance Disclaimer

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>

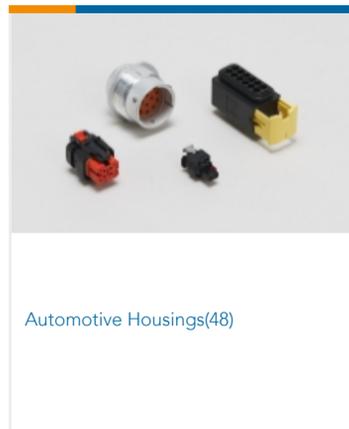
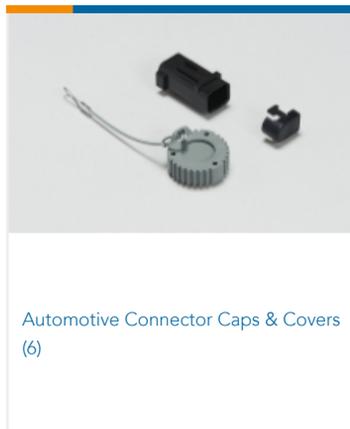
### Compatible Parts



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



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



Documents

**Product Drawings**

18POS, MIXED, REC HSG, ASSY, SEALED

English

**CAD Files**

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2112780-2\\_F.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2112780-2\\_F.3d\\_igs.zip](#)

English

Customer View Model

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English

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**Product Specifications**

[Application Specification](#)

English