

4-2112780-2 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP Hybrids

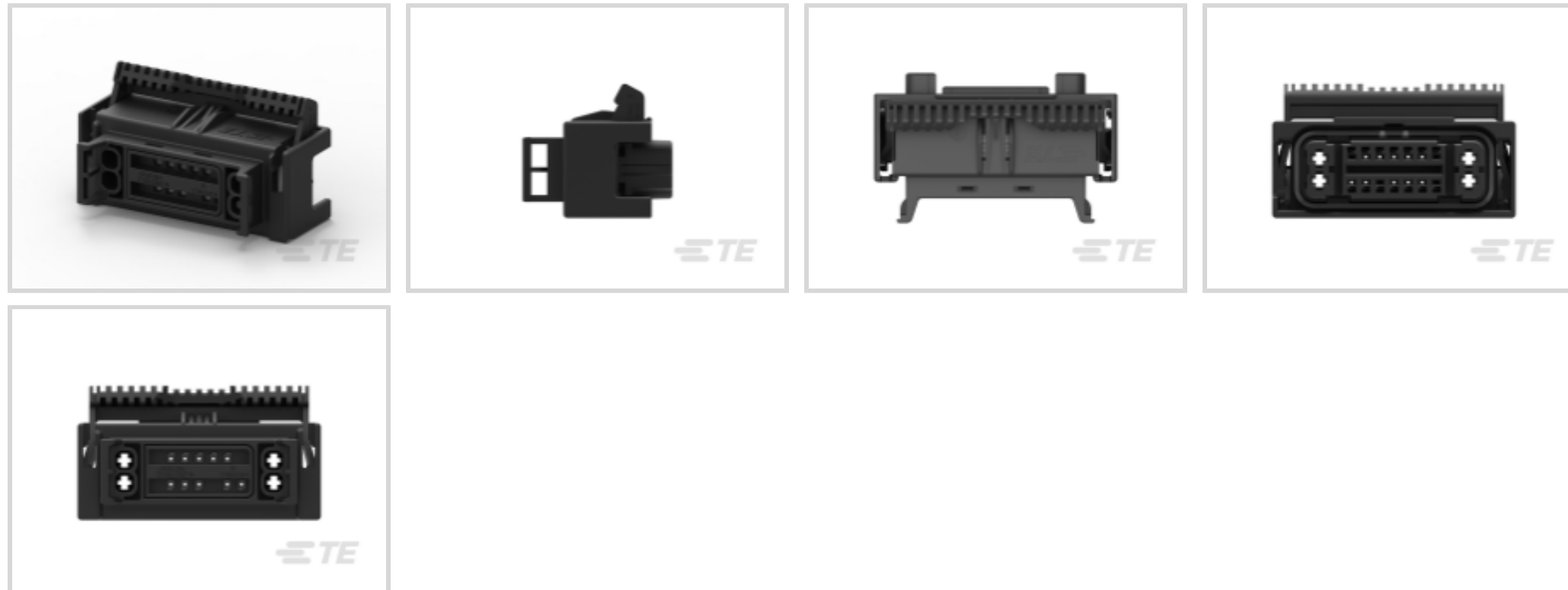
TE Internal #: 4-2112780-2

14 Position Housing, Housing for Female Terminals, Wire-to-Board / Wire-to-Wire, 3.5 mm [.138 in] Centerline, Sealable, Black, Wire & Cable, Hybrid

[View on TE.com >](#)



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



Number of Positions: 14

Connector & Housing Type: Housing for Female Terminals

Mating Tab Width: 1.2 mm, 2.8 mm [.11 in, .047 in]

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

Centerline (Pitch): 3.5 mm [.138 in]

[All AMP MCP, SEALED CONNECTOR HOUSING \(130\)](#)

## Features

### Industry Standards

IP Rating	IPX9K
Compatible With Agency/Standards Products	DIN IEC 512

### Dimensions

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

### Packaging Features

Packaging Quantity	320
Packaging Method	Box

### Mechanical Attachment

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

### Other

Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Electrical Characteristics

Operating Voltage	50 VDC
Nominal Voltage Architecture	50 V

### Body Features

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

### Housing Features

Housing Material	PBT GF
Centerline (Pitch)	3.5 mm [.138 in]

### Contact Features

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

### Product Type Features

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

### Configuration Features



Blank Cavity Position	8, 15, 11, 2
Number of Positions	14
Number of Rows	2

### Usage Conditions

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

### Operation/Application

Circuit Application	Power & Signal
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### Product Compliance

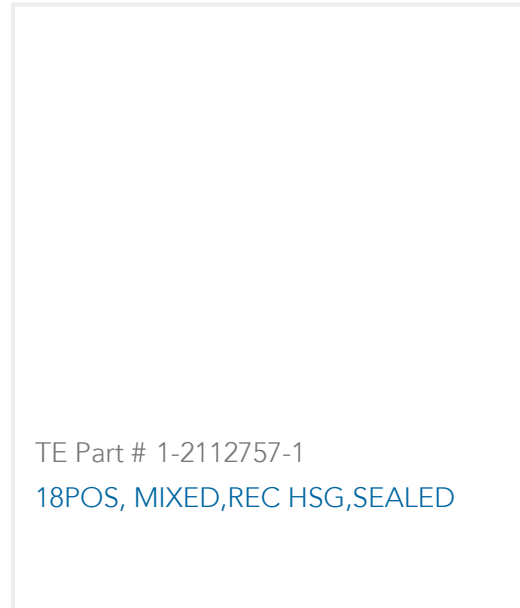
[For compliance documentation, visit the product page on TE.com>](#)

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

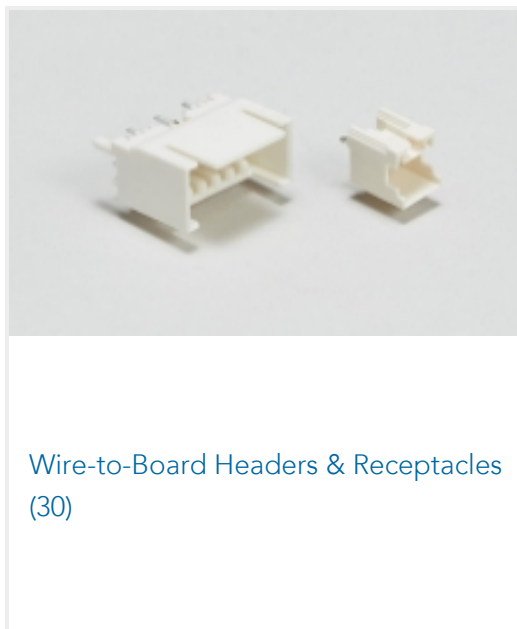
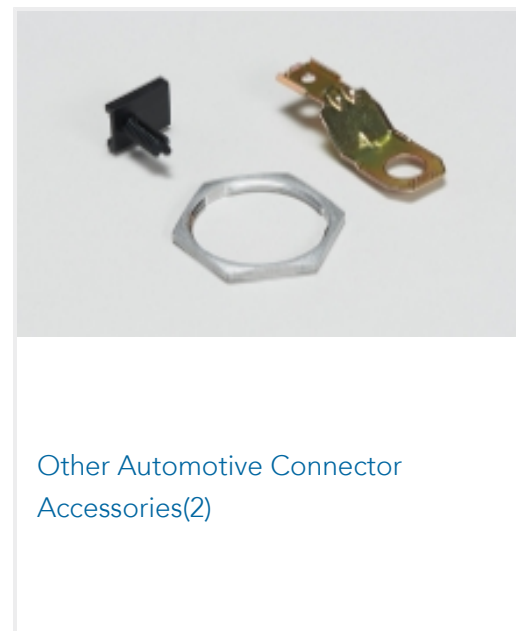
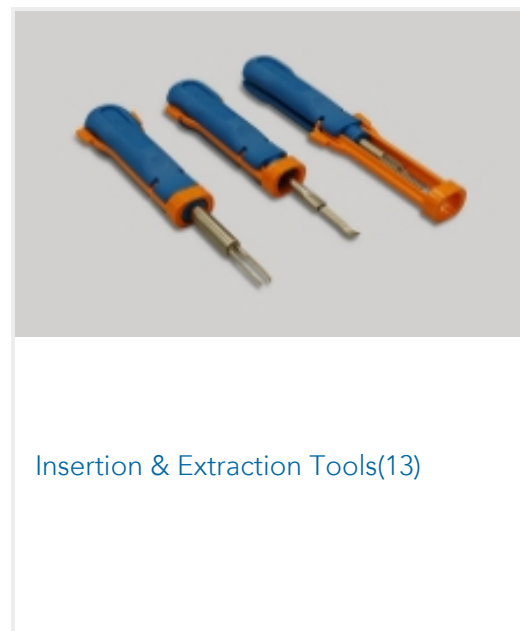
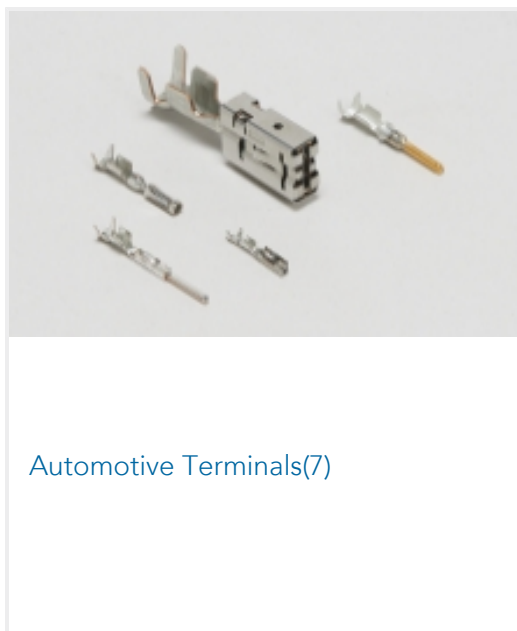
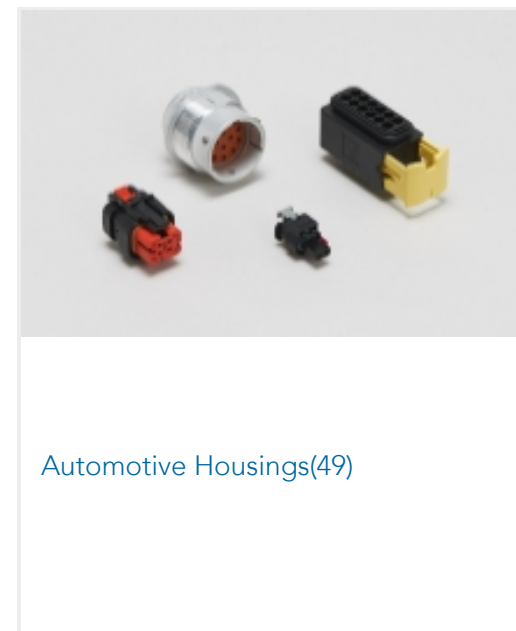
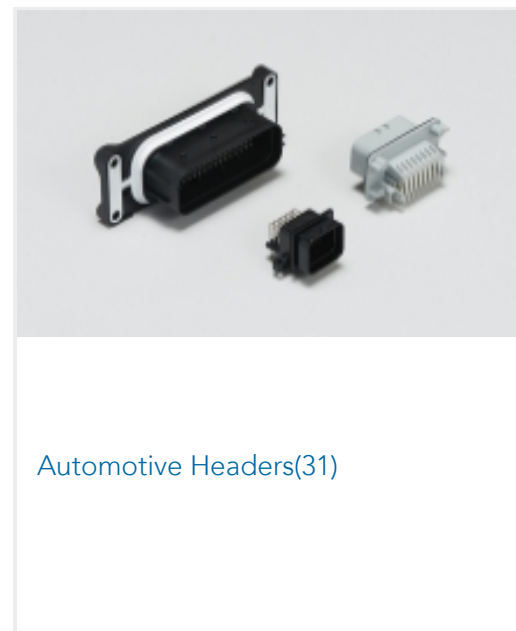
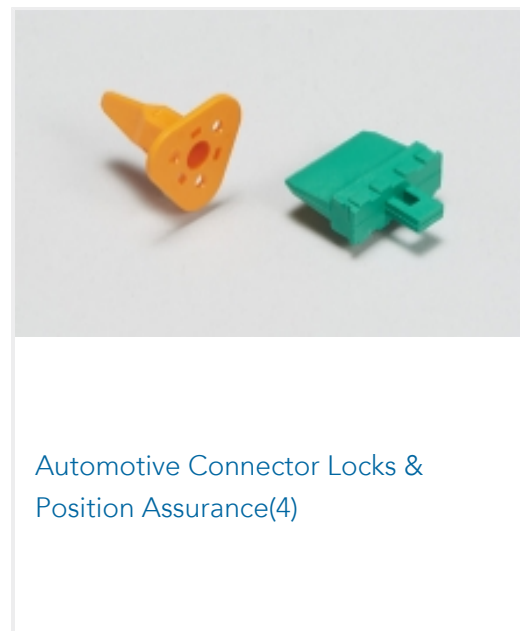
#### Product Compliance Disclaimer

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



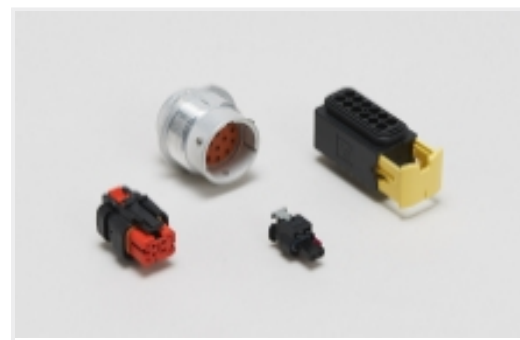
## Also in the Series | AMP MCP Connector System



## Also in the Series | AMP MCP Hybrids



Automotive Connector Caps & Covers (4)



Automotive Housings(49)

## Customers Also Bought



TE Part #206070-8  
CABLE CLAMP KIT #17



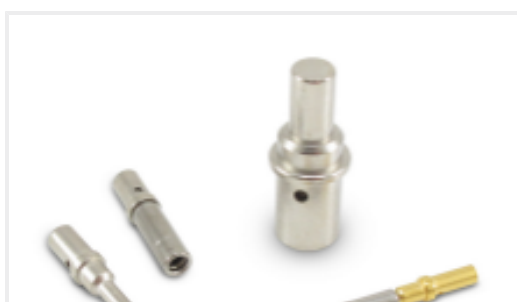
TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



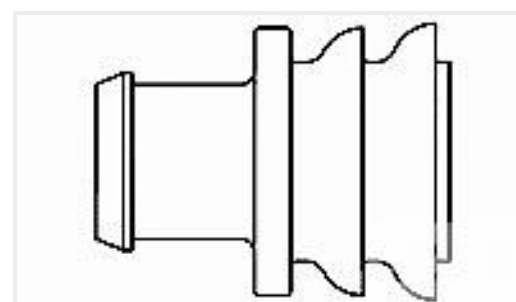
TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL

## 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