

284844-1 ✓ ACTIVE

AMP | AMP MCP 1.5K, AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 284844-1

Housing for Male Terminals, Wire-to-Wire, 12 Position, .196 in [5 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal, Hybrid

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



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

Number of Positions: **12**

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

Centerline (Pitch): **5 mm [ .196 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-Wire               |
| Connector & Housing Type          | Housing for Male Terminals |
| Sealable                          | Yes                        |
| Connector & Contact Terminates To | Wire & Cable               |
| Primary Locking Feature           | On the Terminal            |

### Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 12 |
| Number of Rows      | 2  |

### Electrical Characteristics

|                              |            |
|------------------------------|------------|
| Operating Voltage            | 24 VDC     |
| Nominal Voltage Architecture | 12 V, 24 V |

### Body Features

|                       |       |
|-----------------------|-------|
| Cable Exit Angle      | 180°  |
| Primary Product Color | Black |



### Contact Features

|                              |              |
|------------------------------|--------------|
| Contact Size                 | 1.5mm, 2.8mm |
| Contact Type                 | Tab          |
| Contact Current Rating (Max) | 11 A, 20 A   |

### Mechanical Attachment

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

### Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | PA GF          |
| Centerline (Pitch) | 5 mm [.196 in] |

### Dimensions

|                    |                    |
|--------------------|--------------------|
| Connector Height   | 49.4 mm [1.945 in] |
| Product Width      | 21.5 mm [.846 in]  |
| Product Length     | 41.4 mm [1.63 in]  |
| Row-to-Row Spacing | 5 mm [.197 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 [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F] |
| Operating Temperature Range | -25 – 125 °C [-13 – 257 °F]  |

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 500 |
| Packaging Method   | Box |

### Other

|                                      |    |
|--------------------------------------|----|
| Serviceable                          | No |
| Connector Position Assurance Capable | No |



## Product Compliance

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

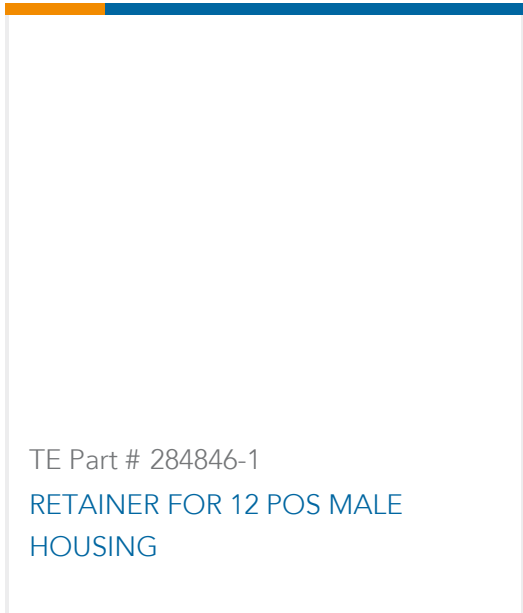
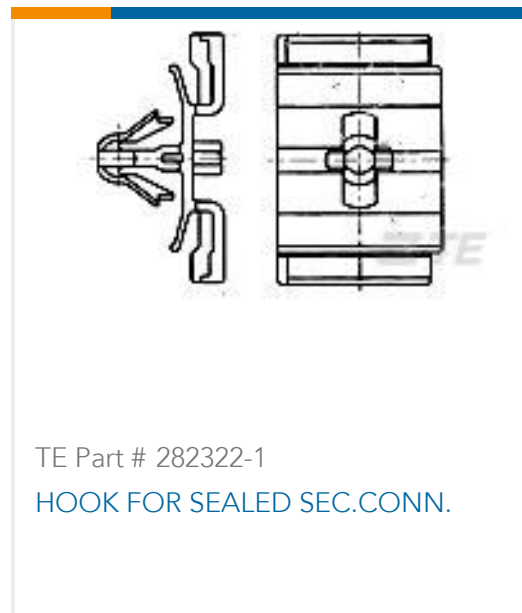
|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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

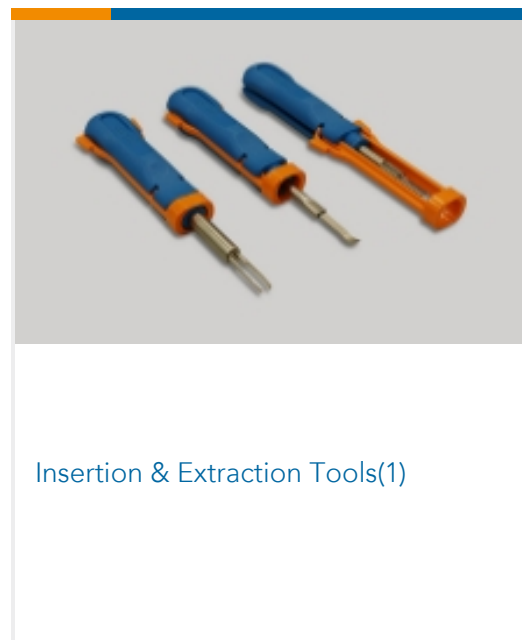
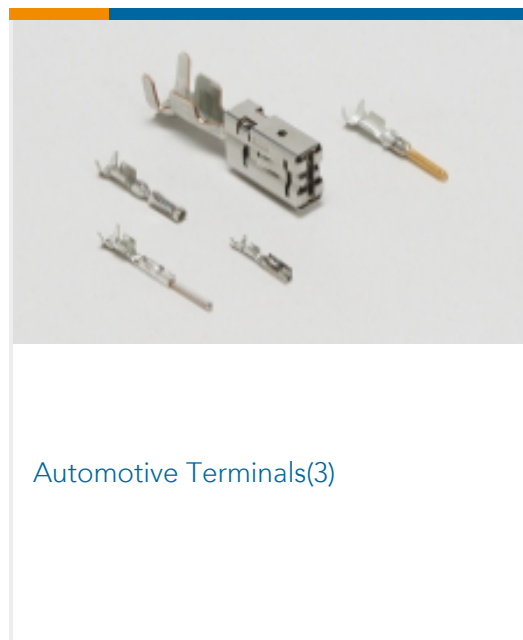
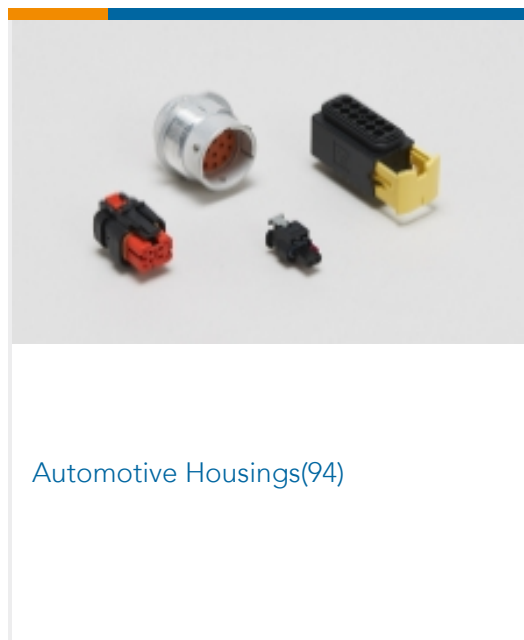
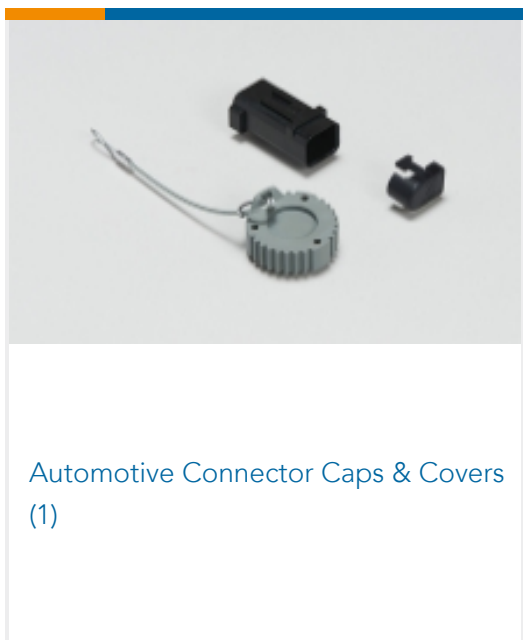
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

|   |  |   |  |
|---|--|---|--|
|  <p>TE Part # CAT-AM705-CH8172<br/>AMP MCP, SEALED CONNECTOR HOUSING</p> |  <p>TE Part # 828922-1<br/>2.5MM CAVITY PLUG FOR 5,4MM DI</p> |  <p>TE Part # 963293-1<br/>SEALING F JPT+2,8</p> |  <p>TE Part # 963292-1<br/>WIRE SEALING 2,2</p> |
|---|--|---|--|



Also in the Series | **AMP MCP 1.5K**

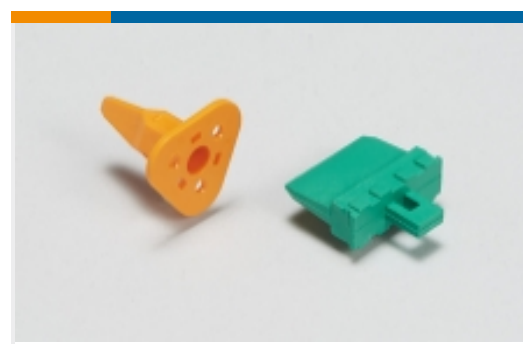


Also in the Series | **AMP MCP 2.8**





Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(5)



Automotive Housings(167)



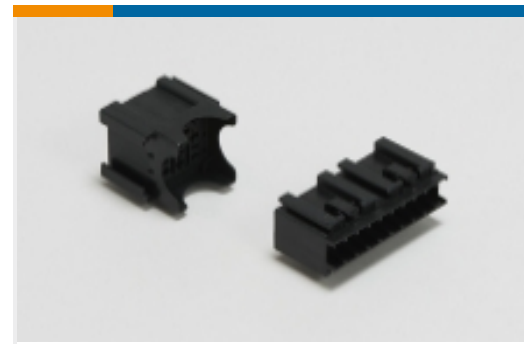
Automotive Terminals(9)



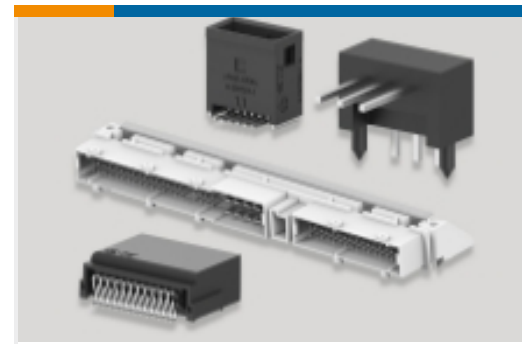
Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(6)



Module Components(1)

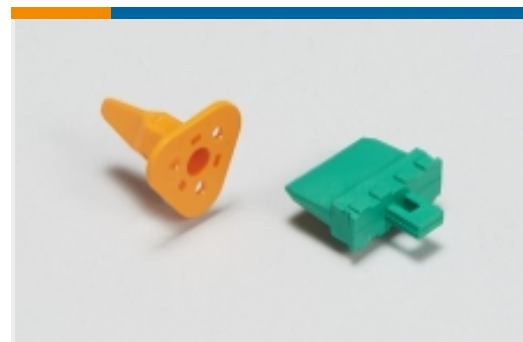


PCB Headers & Receptacles(1)

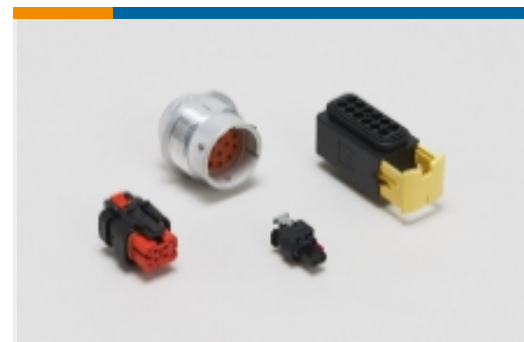
## Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (22)



Automotive Connector Locks & Position Assurance(6)



Automotive Housings(332)



Automotive Terminals(130)



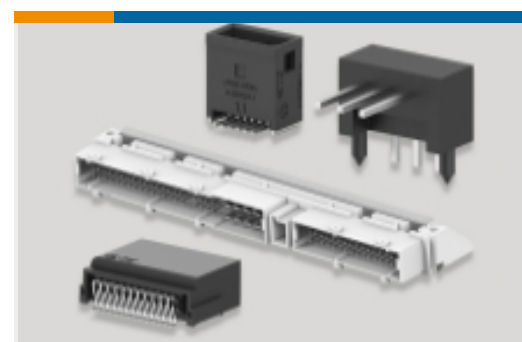
Connector Seals & Cavity Plugs(7)



Insertion & Extraction Tools(13)

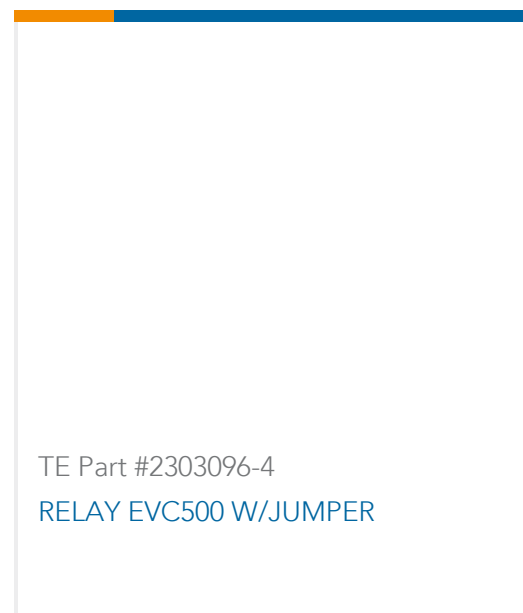


Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(28)

## Customers Also Bought



## Documents

### Product Drawings

#### 12 POS MCP HYBRID MALE CONN AS

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_284844-1\\_D.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_284844-1\\_D.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_284844-1\\_D.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

## Product Specifications



### Product Specification

English

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### Instruction Sheets

Instruction Sheet (non U.S.)

English