

2098198-5 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP 2.8

TE Internal #: 2098198-5

12 V / 24 V / 48 V, 1 Position, Automotive Housing for Female

Terminals, Wire-to-Board / Wire-to-Device, Sealable, Black, Wire &

Cable, Power, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready 2.8mm Sealed Connectors



Nominal Voltage Architecture: 12 V, 24 V, 48 V

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

Number of Positions: 1

Sealable: **Yes**

Operating Temperature Range: -40 – 155 °C [ -40 – 311 °F ]

[All 48V Ready 2.8mm Sealed Connectors \(27\)](#)

## Features

### Product Type Features

|                                   |                               |
|-----------------------------------|-------------------------------|
| Mixed & Hybrid Connector          | No                            |
| Connector Shape                   | Circular                      |
| Connector & Housing Type          | Housing for Female Terminals  |
| Sealable                          | Yes                           |
| Primary Locking Feature           | Locking Lance                 |
| Connector System                  | Wire-to-Board, Wire-to-Device |
| Connector & Contact Terminates To | Wire & Cable                  |

### Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 1 |
| Number of Rows      | 1 |

### Electrical Characteristics

|                              |                  |
|------------------------------|------------------|
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |
|------------------------------|------------------|



### Body Features

|                         |       |
|-------------------------|-------|
| Primary Product Color   | Black |
| Connector & Keying Code | A     |

### Contact Features

|                  |                |
|------------------|----------------|
| Contact Size     | 2.8mm          |
| Contact Type     | Receptacle     |
| Mating Tab Width | 2.8 mm[.11 in] |

### Mechanical Attachment

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

### Housing Features

|                  |            |
|------------------|------------|
| Housing Material | PA 46 GF15 |
|------------------|------------|

### Dimensions

|                  |                 |
|------------------|-----------------|
| Product Width    | 33 mm[1.29 in]  |
| Product Length   | 22.6 mm[.89 in] |
| Connector Height | 33 mm[1.299 in] |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 155 °C[-40 – 311 °F] |
| Operating Temperature (Max) | 155 °C[311 °F]             |

### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

### Industry Standards

|           |       |
|-----------|-------|
| IP Rating | IP69K |
|-----------|-------|

### Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

### 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F < 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 # 2138907-1<br/>CPA, SEALED CONNECTORS</p> | <p>TE Part # 2098204-2<br/>Peripheral Seal, 1 Posn MCP 2.</p> | <p>TE Part # 2138413-1<br/>Plug Housing, 1 Posn Sealed, M</p> |  <p>TE Part # CAT-AM705-T273<br/>AMP MCP, RECEPTACLE AND TAB</p> |
|-------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

### Also in the Series | AMP MCP 2.8



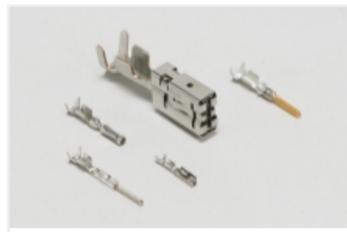
Automotive Connector Caps & Covers (26)



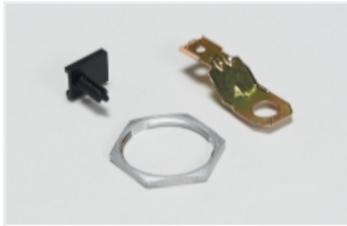
Automotive Housings(237)



Automotive Signal & Power Headers(5)

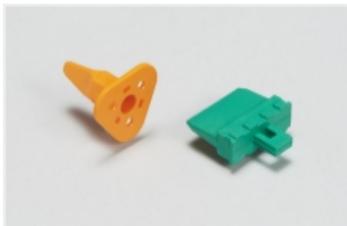


Automotive Terminals(7)



Other Automotive Connector Accessories(4)

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



Automotive Connector Locks & Position Assurance(5)



Automotive Housings(237)



Automotive Seals & Cavity Plugs(6)



Automotive Signal & Power Connector Housings(83)



Other Automotive Connector Accessories(4)

### Customers Also Bought



## Documents

### Product Drawings

Plug Assembly, Sealed, 1 Posn,

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2098198-5\\_C\\_c-2098198-5-c.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2098198-5\\_C\\_c-2098198-5-c.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2098198-5\\_C\\_c-2098198-5-c.3d\\_stp.zip](#)

English

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### Product Specifications



### Application Specification

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English