

1241418-4 ✓ ACTIVE

AMP | AMP MCP Connector System

TE Internal #: 1241418-4

Automotive Terminals, Receptacle, Mating Tab Width 6.3 mm / 5.8 mm / 4.8 mm [.228 in / .189 in / .248 in], AMP MCP Connector System

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Terminals & Splices > Automotive Terminals > AMP MCP, RECEPTACLE AND TAB



Terminal Type: **Receptacle**

Mating Tab Width: 4.8 mm, 5.8 mm, 6.3 mm [.189 in, .228 in, .248 in]

Mating Tab Thickness: .8 mm [.031 in]

Terminal Transmits: 25 – 40 A (Power)

Wire Size: 11 – 9 AWG

[All AMP MCP, RECEPTACLE AND TAB \(129\)](#)

## Features

### Product Type Features

|                         |               |
|-------------------------|---------------|
| Receptacle Style        | 180°          |
| Sealable                | Yes           |
| Primary Locking Feature | Locking Lance |

### Body Features

|                    |                        |
|--------------------|------------------------|
| Terminal Seal Type | Single Wire Seal (SWS) |
|--------------------|------------------------|

### Contact Features

|  |  |
|--|--|
| Contact Size                                   | 4.8mm, 6.3mm                                       |
| Contact Fabrication                            | Stamped & Formed                                   |
| Wire Contact Termination Area Plating Material | Tin  |
| Typical Current Rating                         | 36 A   |
| Crimp Type                                     | F-Crimp  |
| Terminal Type                                  | Receptacle   |
| Mating Tab Width                               | 4.8 mm, 5.8 mm, 6.3 mm [.189 in][.228 in][.248 in] |
| Mating Tab Thickness                           | .8 mm [.031 in]                                    |
| Interface Plating                              | Tin (Sn)   |

### Termination Features



|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

|                       |      |
|-----------------------|------|
| Product Terminates To | Wire |
|-----------------------|------|

### Dimensions

|                                      |                               |
|--------------------------------------|-------------------------------|
| Compatible Insulation Diameter Range | 3.4 – 4.3 mm [.132 – .168 in] |
|--------------------------------------|-------------------------------|

|           |                       |
|-----------|-----------------------|
| Wire Size | 4 – 6 mm <sup>2</sup> |
|-----------|-----------------------|

|                  |                       |
|------------------|-----------------------|
| Wire Size Search | 9 AWG, 10 AWG, 11 AWG |
|------------------|-----------------------|

### Usage Conditions

|                   |             |
|-------------------|-------------|
| Insulation Option | Uninsulated |
|-------------------|-------------|

|                             |  |
|-----------------------------|--|
| Operating Temperature (Max) | 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C [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

|                                    |        |
|------------------------------------|--------|
| Compatible With Wire Base Material | Copper |
|------------------------------------|--------|

### Industry Standards

|                 |       |
|-----------------|-------|
| Agency/Standard | LV214 |
|-----------------|-------|

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1500 |
|--------------------|------|

|                  |      |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

### Other

|                            |    |
|----------------------------|----|
| Customer Preferred Contact | No |
|----------------------------|----|

|                    |                   |
|--------------------|-------------------|
| Terminal Transmits | 25 – 40 A (Power) |
|--------------------|-------------------|

### 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



TE Part # CAT-AM7-FRB69  
Sealed Fuse and Relay Boxes



TE Part # CAT-L489-CH8172  
LEAVYSEAL Housings



TE Part # CAT-H3399-CH8172  
Heavy Duty Sealed Connector Series Housings



TE Part # CAT-AM705-CH8173  
AMP MCP Unsealed Connector Housings



TE Part # 1-1579007-3  
EXTRACTION TOOL



TE Part # 1719043-1  
SINGLE WIRE SEAL, GREEN



TE Part # 1394512-1  
EINZELLEITDICHTG, BL



TE Part # 2305570-1  
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 1-1718628-1  
AMP MCP 2.8 HSG. 4POS., ASS'Y



TE Part # 1-2344950-1  
95POS, HYBRID, REC HSG, ASSY, COD A



TE Part # 2-2151466-1  
OCEAN\_2.0\_APPLICATIONATOR-S-160F2700



TE Part # 2-2151466-2  
OCEAN\_2.0\_APPLICATIONATOR-S-160F2700






TE Part # 2-2344950-1  
95POS, HYBRID, REC HSG, ASSY, COD B



TE Part # 2151466-1  
OCEAN\_2.0\_APPLICATOR-S-160F2700



TE Part # 2151466-2  
OCEAN\_2.0\_APPLICATOR-S-160F2700



TE Part # 5-2151466-1  
OCEAN\_2.0\_APPLICATOR-S-160F2700



TE Part # 5-2151466-2  
OCEAN\_2.0\_APPLICATOR-S-160F2700



TE Part # 7-2151466-1  
OCEAN\_2.0\_APPLICATOR-S-160F2700



TE Part # 7-2151466-2  
OCEAN\_2.0\_APPLICATOR-S-160F2700



TE Part # 7-2151466-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-160F2700


Also in the Series | AMP MCP Connector System




Automotive Connector Caps & Covers (25)




Automotive Connector Locks & Position Assurance (7)




Automotive Housings (360)




Automotive Terminals (135)



Connector Seals & Cavity Plugs (6)



Insertion & Extraction Tools (13)



Other Automotive Connector Accessories (2)



PCB Headers & Receptacles (30)

Customers Also Bought



TE Part #1823111-1  
SINGLE WIRE SEAL, FOR WIRE 2.5 SQMM, BN



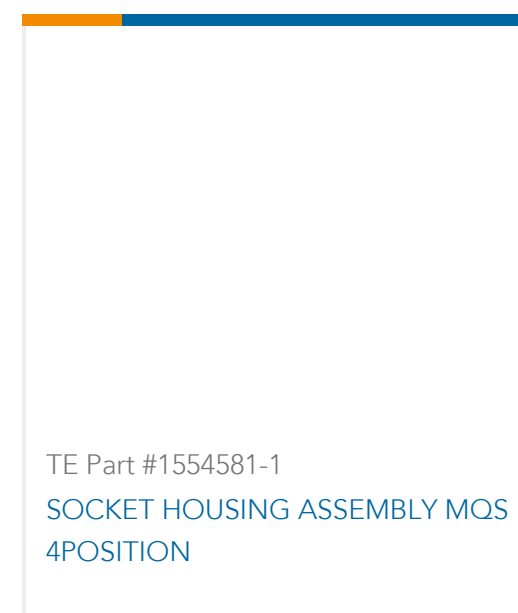
TE Part #1241414-1  
AMP MCP, RECEPTACLE AND TAB



TE Part #2098164-4  
Cover, 60 Pos, No Fuse Graphic or Holder



TE Part #85011-1  
RUBBER PLUG FOR SEALED CONN.



## Documents

### Product Drawings

[AMP MCP 6.3/4.8K, CONTACT, SWS](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1241418-4\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1241418-4\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1241418-4\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[HDSCS Catalog](#)

English

[CONNECTOR SELECTOR](#)

English

### Product Specifications

[Application Specification](#)

German



## Application Specification

English