

1745078-1 ✓ ACTIVE

[AMP MCP](#) | [AMP MCP 2.8](#)

TE Internal #: 1745078-1

Housing for Female Terminals, Wire-to-Wire, 6 Position, 5.5 mm [.217 in] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, AMP MCP 2.8

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



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

Number of Positions: **6**

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

Centerline (Pitch): **5.5 mm [.217 in]**

Sealable: **Yes**

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

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Primary Locking Feature | On the Terminal |

Configuration Features

| | |
|-----------------------|---|
| Blank Cavity Position | 0 |
| Number of Positions | 6 |
| 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 | Gray |
| Connector & Keying Code | Neutral |

Contact Features

| | |
|------------------------------|----------------|
| Contact Size | 2.8K |
| Contact Type | Receptacle |
| Mating Tab Width | 2.8 mm[.11 in] |
| Contact Current Rating (Max) | 30 A |

Mechanical Attachment

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

Housing Features

| | |
|--------------------|-----------------|
| Housing Material | PBT GF |
| Centerline (Pitch) | 5.5 mm[.217 in] |

Dimensions

| | |
|--------------------|----------------------------------|
| Connector Height | 29.8 mm[1.173 in] |
| Product Width | 31.5 mm[1.24 in] |
| Product Length | 26.4 mm[1.039 in] |
| Row-to-Row Spacing | 3.2 mm, 5.5 mm[.126 in][.217 in] |

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|----------------------|------|
| Degree of Protection | IPX7 |
|----------------------|------|



Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 100 |
| Packaging Method | Bag |

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 | 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 | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Not applicable for solder process capability |

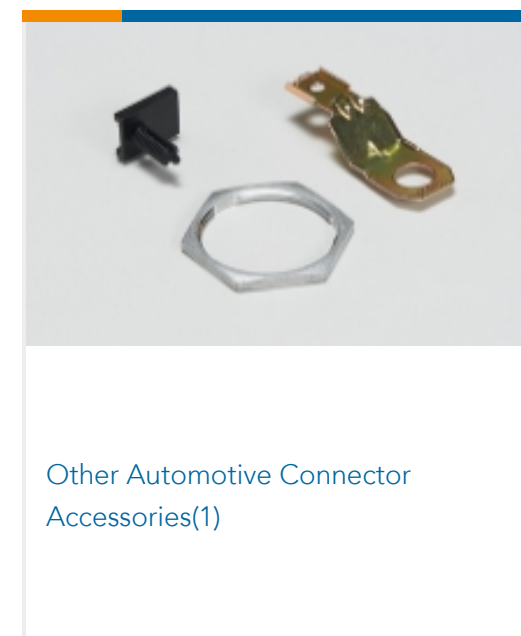
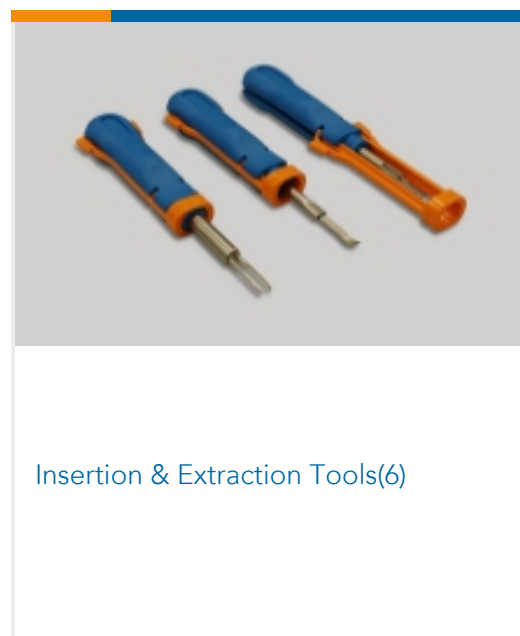
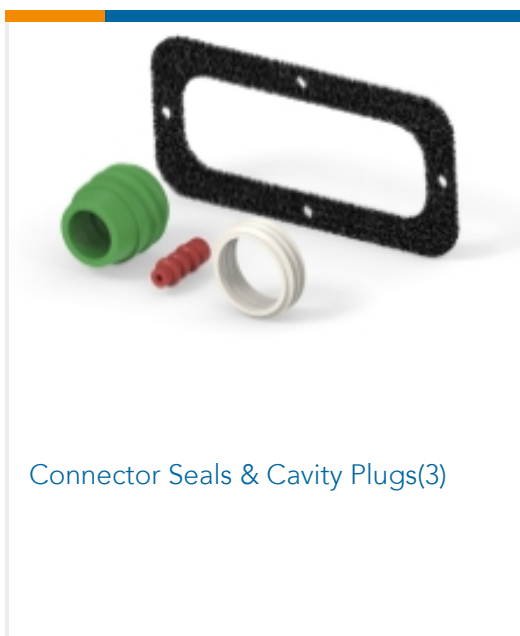
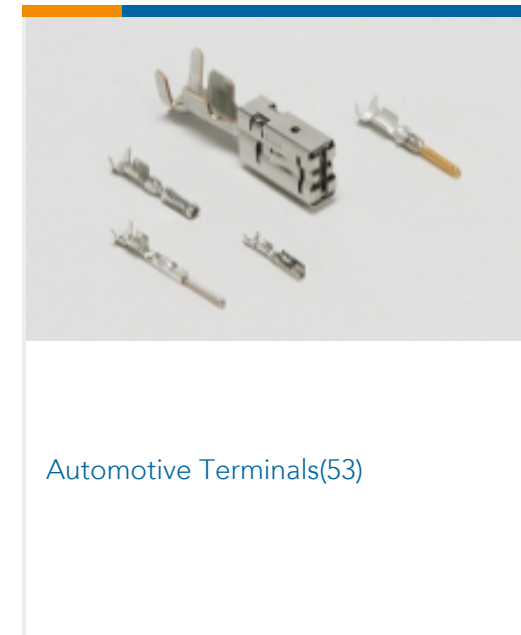
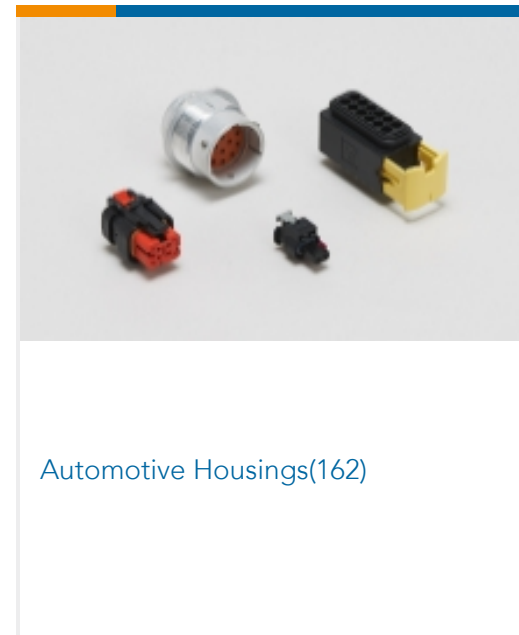
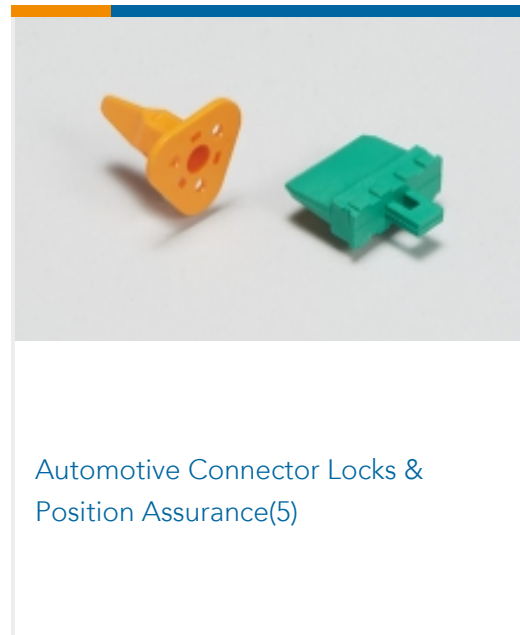
Product Compliance Disclaimer

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

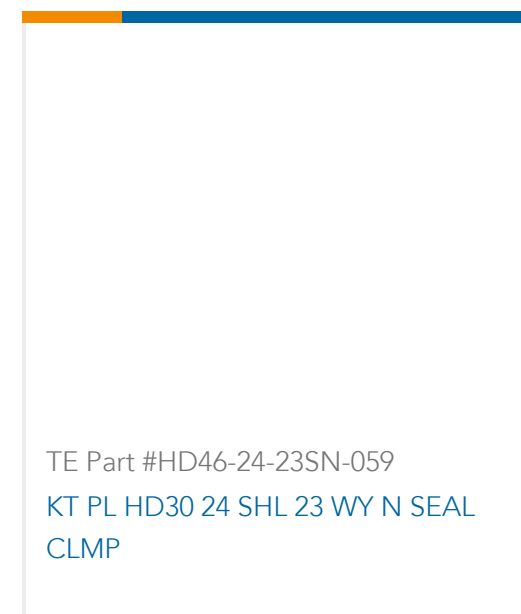


Also in the Series | **AMP MCP 2.8**



Customers Also Bought





Documents

Product Drawings

AMP MCP 2.8K - REC. HOUSING

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1745078-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1745078-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1745078-1_A.3d_stp.zip](#)

English

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Product Specifications

Interface for Rec. Hsg. 6pos.,JPT

German

Application Specification

German