

1745078-1 ✓ ACTIVE

AMP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1745078-1

Housing for Female Terminals, Wire-to-Wire, 6 Position, .217 in [5.5 mm] Centerline, Sealable, Gray, Signal, Cable Mount (Free-Hanging), Hybrid

[View on TE.com >](#)



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



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

Mating Tab Width: **2.8 mm [.11 in]**

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

Number of Positions: **6**

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

[All AMP MCP, SEALED CONNECTOR HOUSING \(158\)](#)

Features

Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
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
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Nominal Voltage Architecture	12 V, 24 V
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Body Features

Cable Exit Angle	180°
Body Material	PBT GF
Primary Product Color	Gray

Contact Features

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

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	5.5 mm [.217 in]
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Dimensions

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

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]
Operating Temperature Range	-40 – 100 °C [-40 – 212 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	IPX7
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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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

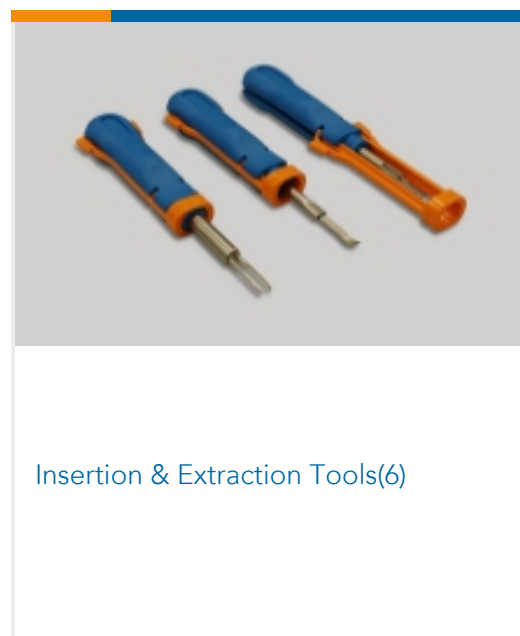
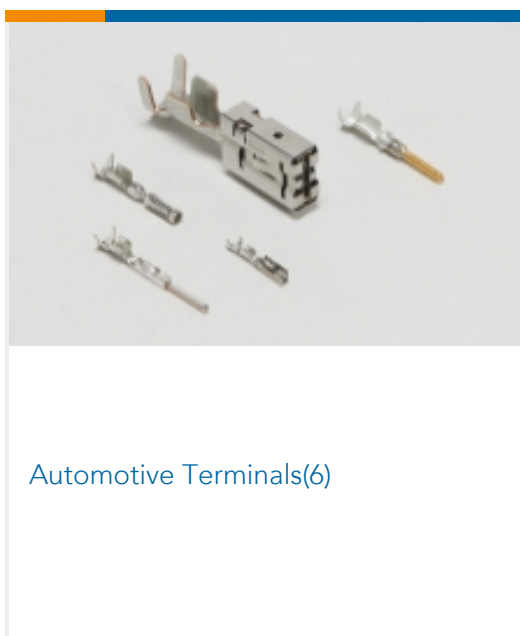
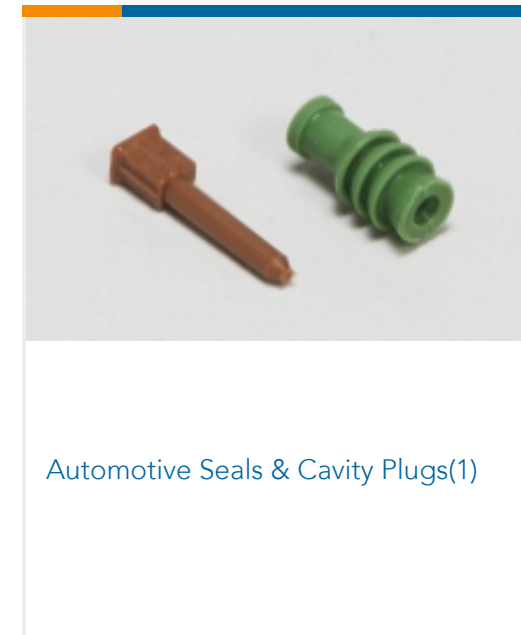
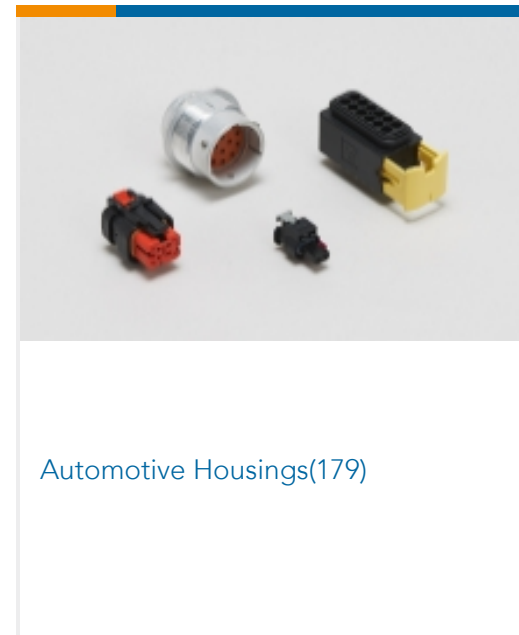
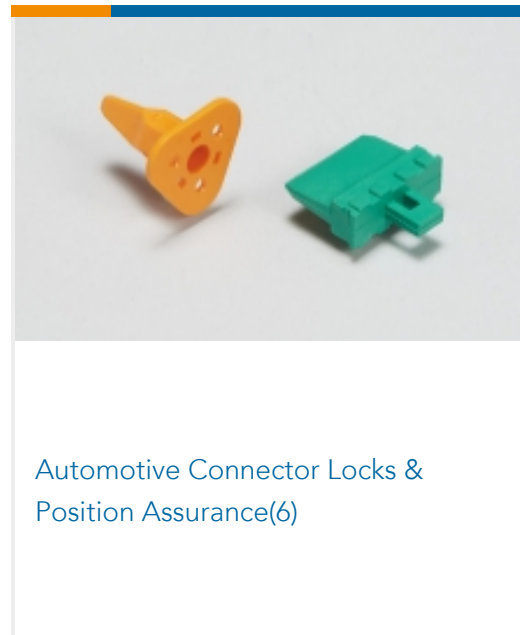
Product Compliance Disclaimer

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>

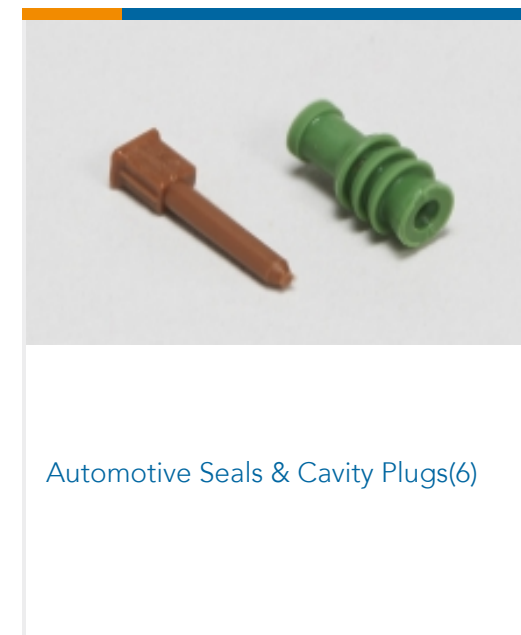
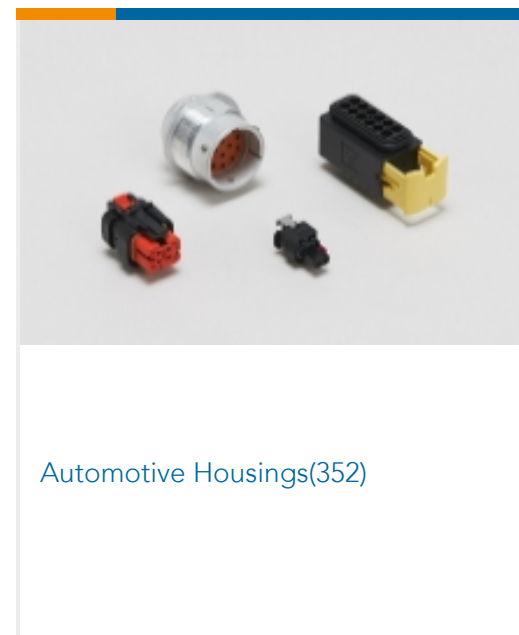
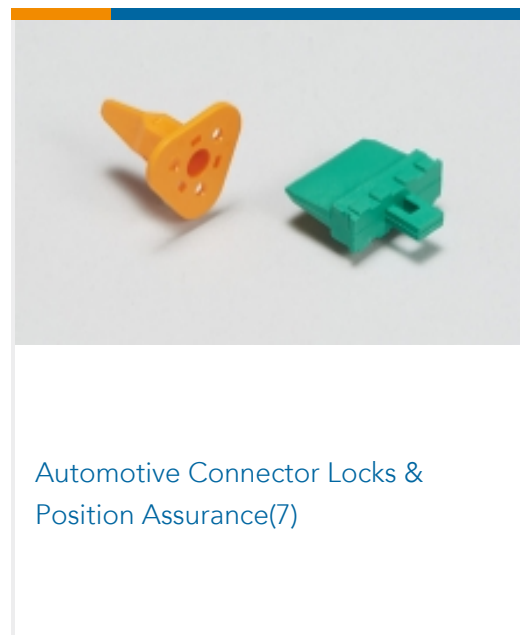
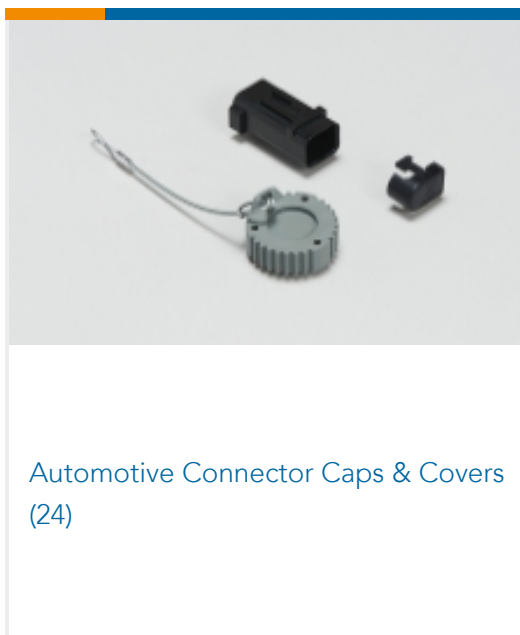
Compatible Parts



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



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

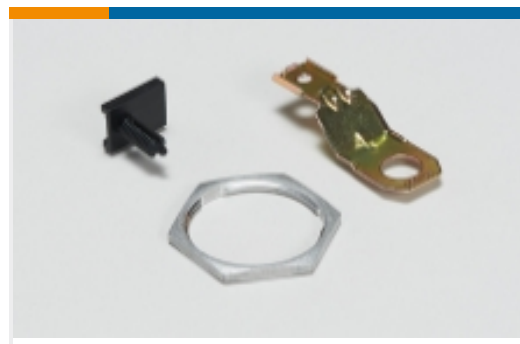




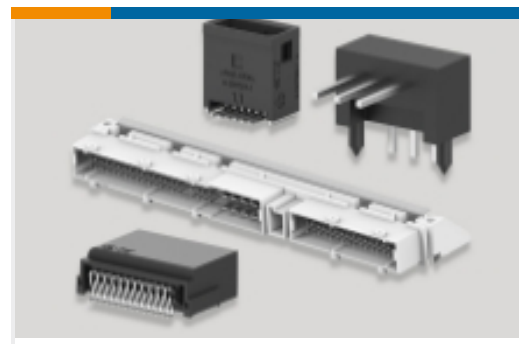
Automotive Terminals(125)



Insertion & Extraction Tools(13)

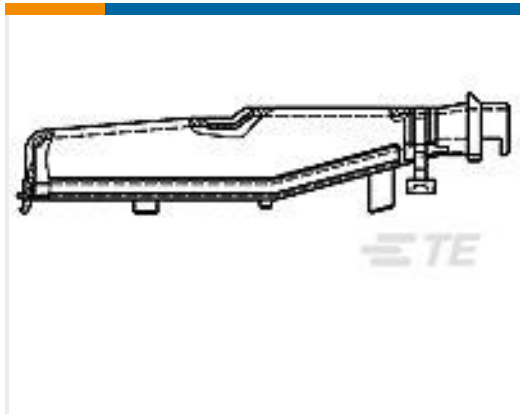


Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(29)

Customers Also Bought



TE Part #929674-1
DECKEL F 55P GEH



TE Part #963293-1
SEALING F JPT+2,8



TE Part #2-1879353-7
RR02 5% 51K AMMO



TE Part #DRC26-40SA-L011
PLG, 40P, BLK, N, ROUTER CAP, A



TE Part #1241396-1
AMP MCP 2.8K, CONTACT, SWS



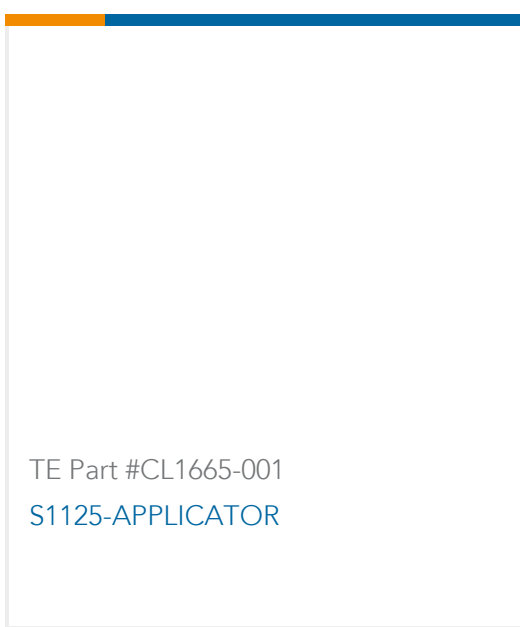
TE Part #HD34-18-14SE-059
REC, 14P, AL, E, CBL CLMP BT, DRAIN, 16, S, MC



TE Part #HDP24-24-14PE
REC, 14P, BLK, E, 4/12/16, P



TE Part #293009-1
4 POS. FASTIN-FASTON CONN. TAB HOUSING R



TE Part #CL1665-001
S1125-APPLICATOR

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