

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, Wire & Cable, Power & Signal, Hybrid

[View on TE.com >](#)



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 \(172\)](#)

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
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Nominal Voltage Architecture	12 V, 24 V
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Body Features

Cable Exit Angle	180°
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Primary Product Color	Gray
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Connector & Keying Code	Neutral
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Contact Features

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

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

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

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

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

Circuit Application	Power & 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

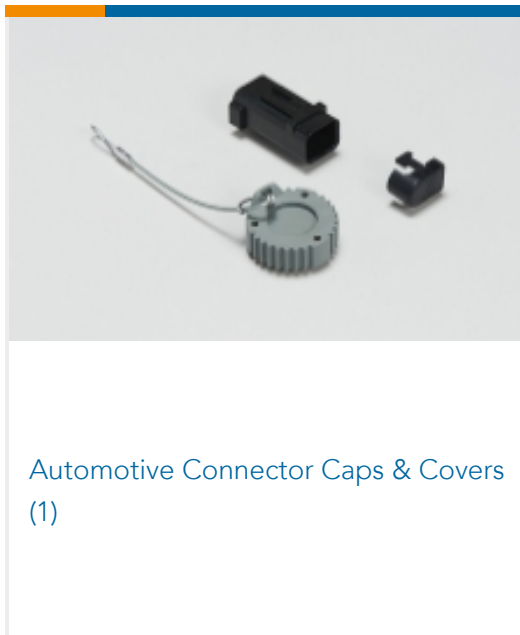


TE Part # CAT-T4827-CH8172
Timer Connector Housing

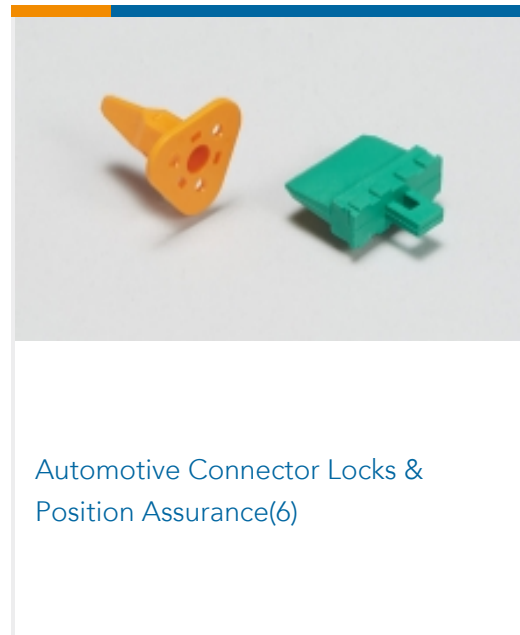


TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB

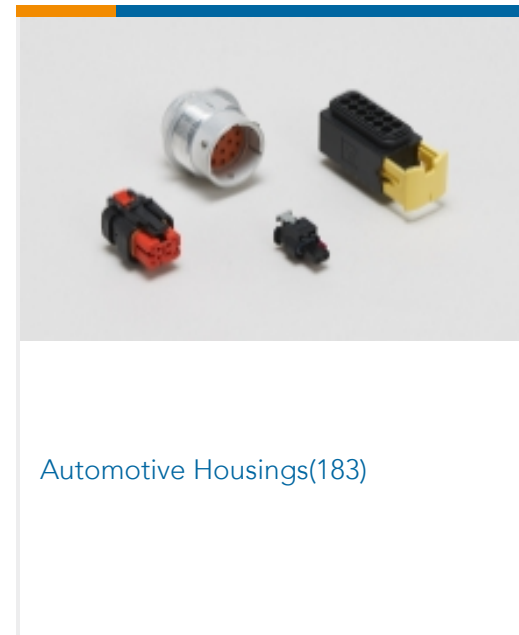
Also in the Series | AMP MCP 2.8



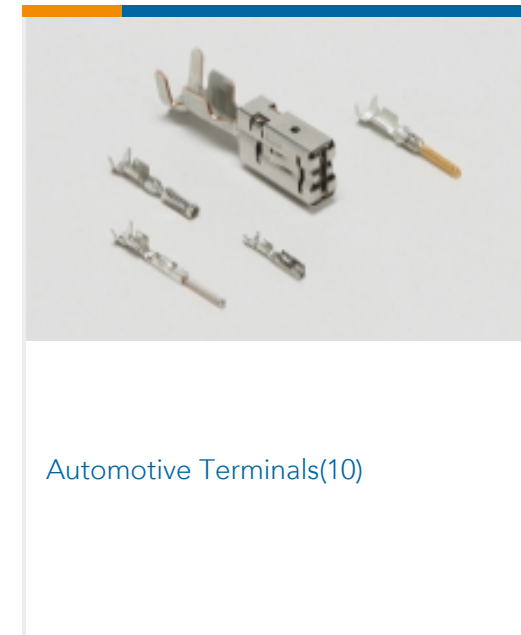
Automotive Connector Caps & Covers (1)



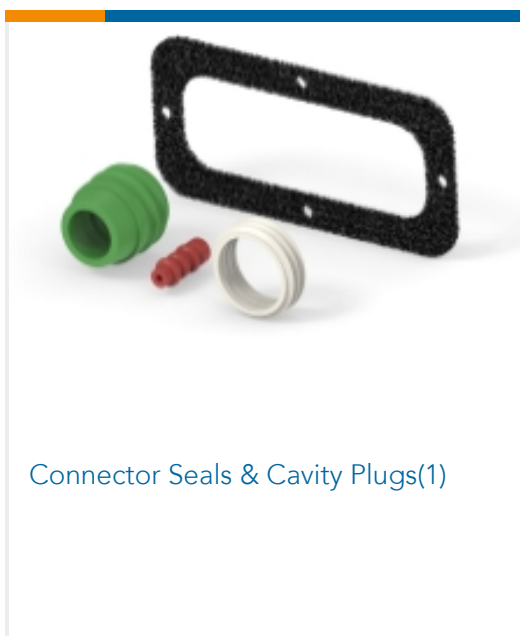
Automotive Connector Locks & Position Assurance (6)



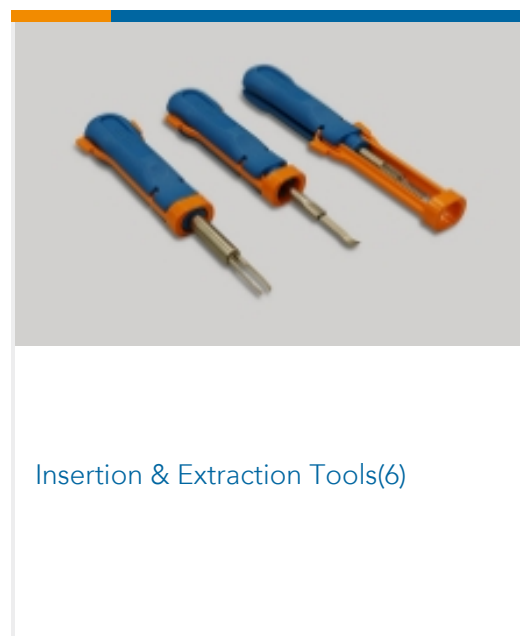
Automotive Housings (183)



Automotive Terminals (10)



Connector Seals & Cavity Plugs (1)



Insertion & Extraction Tools (6)

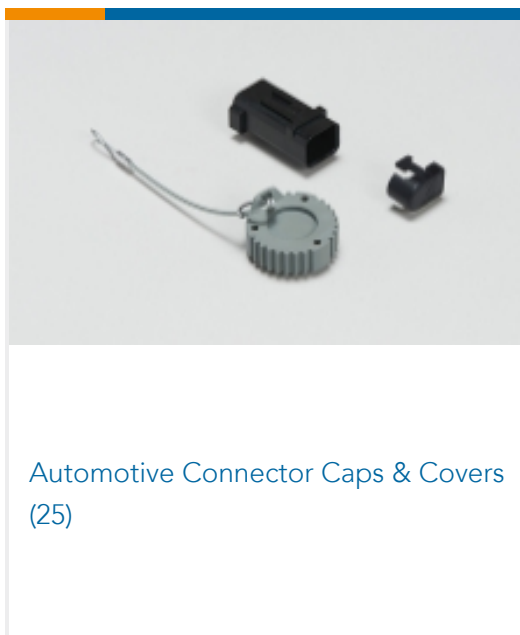


Module Components (1)

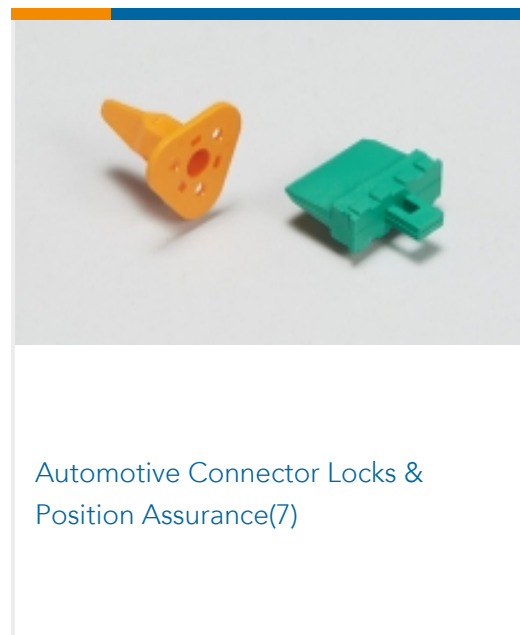


PCB Headers & Receptacles (1)

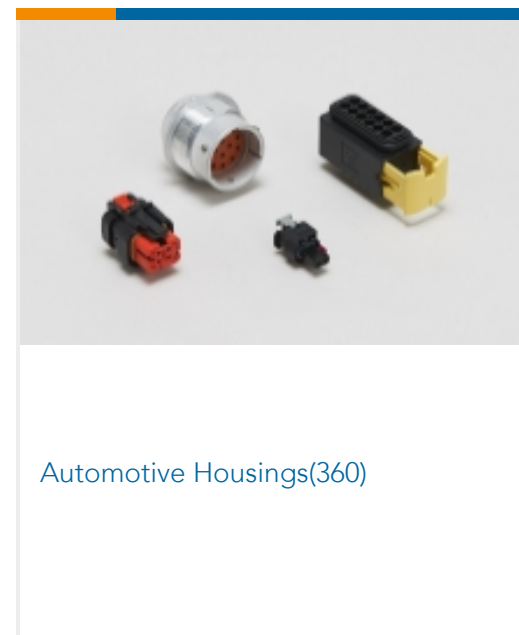
Also in the Series | AMP MCP Connector System



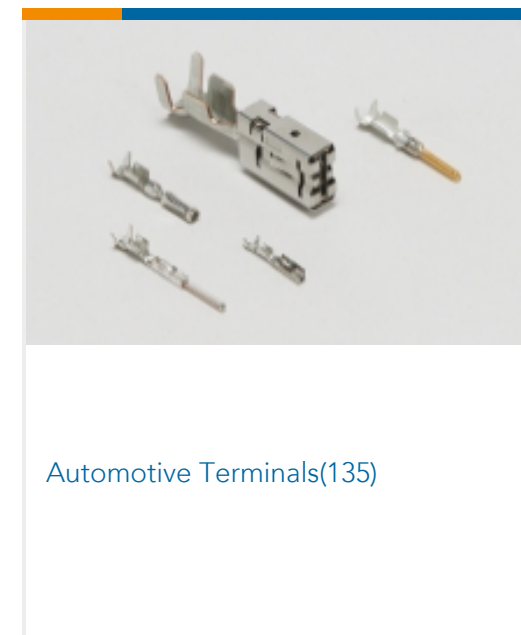
Automotive Connector Caps & Covers (25)



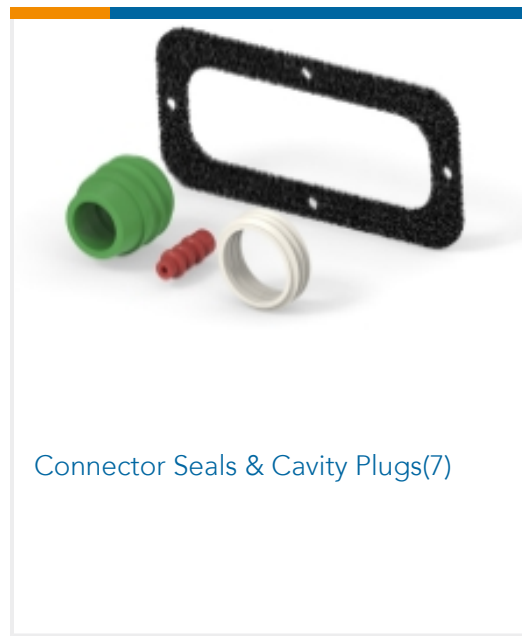
Automotive Connector Locks & Position Assurance (7)



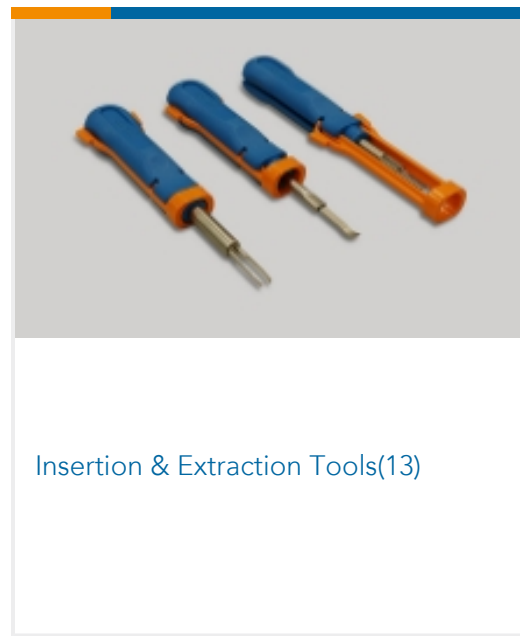
Automotive Housings (360)



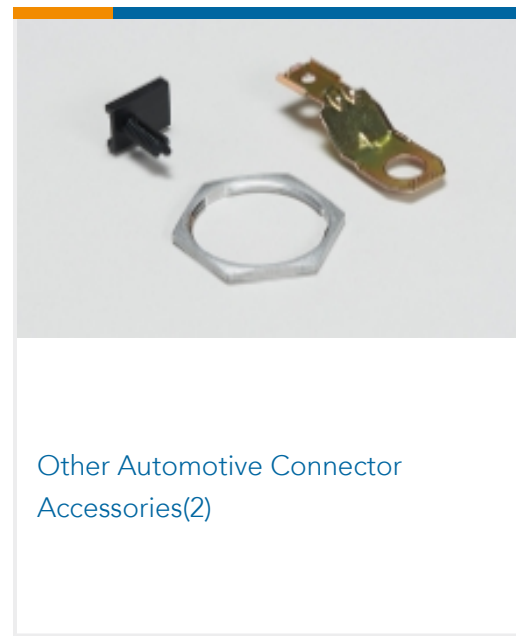
Automotive Terminals (135)



Connector Seals & Cavity Plugs(7)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(30)

Customers Also Bought

TE Part #HDP26-24-21PE-L015
PLG, 21P, BLK, E, THD, 12/16, PTE Part #DT04-12PA-P075
DEUTSCH DT Receptacle ConnectorsTE Part #TAB62235501-150
Fieldbus, PROFIBUS M12B 2p PUR
Drag ChainTE Part #963294-1
SINGLE WIRE SEAL INSULATION DITE Part #1241396-1
AMP MCP 2.8K, CONTACT, SWSTE Part #1443997-2
BASE ASSEMBLY, 60 POSITION, BBTE Part #928931-1
FF 110 (2.8 X 0.8 MM) TAB SSP
CUZN30TE Part #323068
DIAMOND GRIP 12-10 HR R 10

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