

1-968977-1 ✓ ACTIVE

AMP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1-968977-1

Hybrid, Housing for Male Terminals, Wire-to-Wire, 3 Position, 5.5 mm [.217in] Centerline, Black, Signal

[View on TE.com >](#)



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



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

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

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

Number of Positions: **3**

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

[All AMP MCP, SEALED CONNECTOR HOUSING \(159\)](#)

## Features

### Product Type Features

Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	No
Hybrid Connector	No
Primary Locking Feature	On the Terminal

### Configuration Features

Number of Positions	3
Number of Rows	1

### Electrical Characteristics

Operating Voltage	28 VDC
Nominal Voltage Architecture	12 V, 24 V

### Body Features

Cable Exit Angle	Other
Body Material	PA GF
Primary Product Color	Black

### Contact Features

Mating Tab Width	2.8 mm[.11 in]
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### Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	No

### Housing Features

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

Product Width	42 mm[1.653 in]
Product Length	32.1 mm[1.264 in]
Product Height	12.4 mm[.488 in]

### Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94HB
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### Packaging Features

Packaging Quantity	1500
Packaging Method	Container

### Other

Serviceable	Yes
Connector Position Assurance Capable	No

### 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: JAN 2021  
(211)  
Candidate List Declared Against: JAN 2021  
(211)  
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-AM705-CH8173  
AMP MCP, UNSEALED CONNECTOR HOUSING

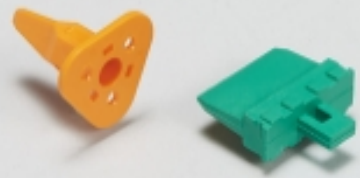


TE Part # CAT-T4827-T273  
TIMER, RECEPTACLE AND TAB


## Also in the Series | AMP MCP 2.8




Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(6)



Automotive Headers(1)



Automotive Housings(179)



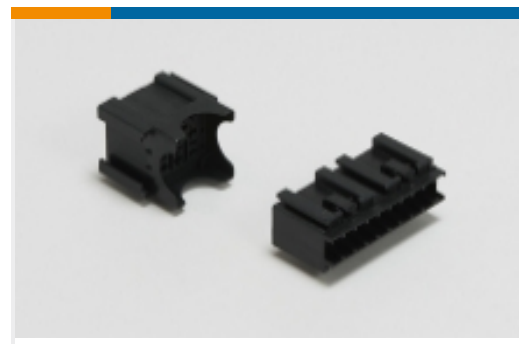
Automotive Seals & Cavity Plugs(1)



Automotive Terminals(6)



Insertion & Extraction Tools(6)

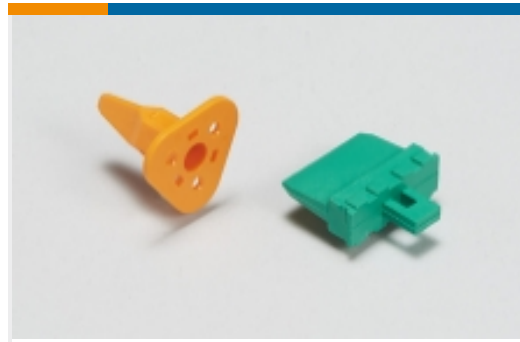


Module Components(1)

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



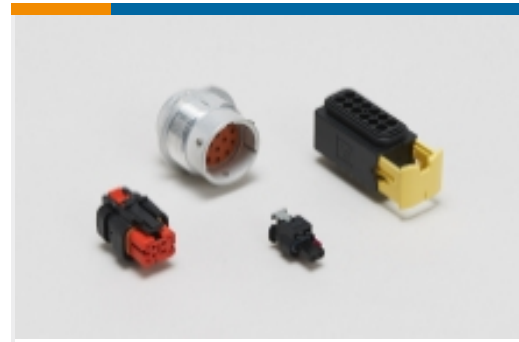
Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(8)



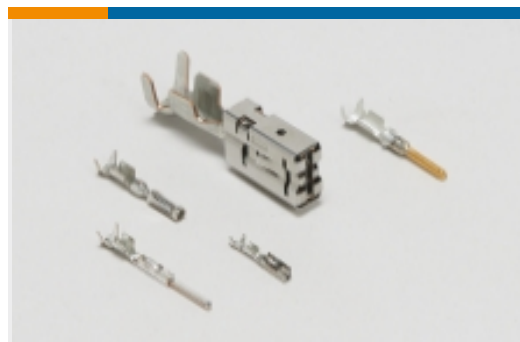
Automotive Headers(29)



Automotive Housings(352)



Automotive Seals & Cavity Plugs(6)



Automotive Terminals(124)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)

Customers Also Bought



TE Part #5054014010  
RNF-3000 Single Wall Stick Heat Shrink



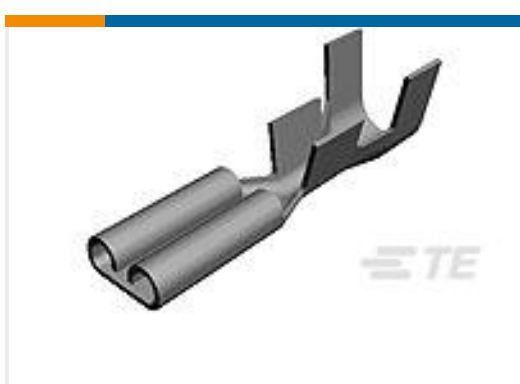
TE Part #T4151410004-002  
M12 A-CODE FEMALE R/A SINGLE ENDED CABL



TE Part #1241728-2  
MQS, CONNECTOR HOUSING



TE Part #1534968-2  
BOLT M5 WITH SQUARE HEAD



TE Part #160534-3  
110 FASTON,REC.,17-20 AWG,BR



TE Part #2150052-2  
OCEAN\_2\_0\_Applicator-E-100F120OV



TE Part #2836322-2  
OCEAN-2.0-APPLICATOR-S-042F062F



TE Part #3-1414773-5  
V23145B1101A402-EV-CBOX





## Documents

### Product Drawings

[2,8MM FLA-STE-GEH3P](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-968977-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-968977-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-968977-1\\_B.3d\\_stp.zip](#)

English

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