

1-968977-9 ✓ ACTIVE

AMP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1-968977-9

Housing for Male Terminals, Wire-to-Wire, 3 Position, .217 in [5.5 mm] Centerline, Black, Signal, Panel Mount, -40 – 248 °F [-40 – 120 ° C], Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > AMP MCP, UNSEALED 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, UNSEALED CONNECTOR HOUSING \(187\)](#)

## Features

### Product Type Features

Connector & Housing Shape	Rectangular
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
Connector Code	A

### Contact Features

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

### Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount

### Housing Features

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

### 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
---------------------	--------

### Industry Standards

UL Flammability Rating	UL 94HB
------------------------	---------

### 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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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>

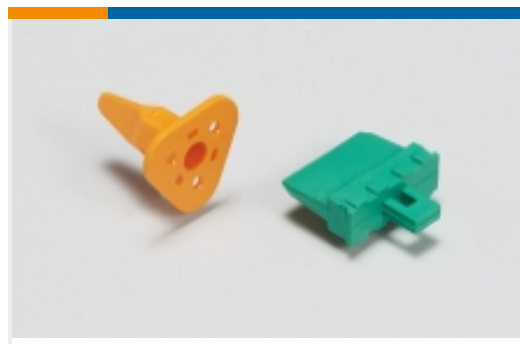
### Compatible Parts



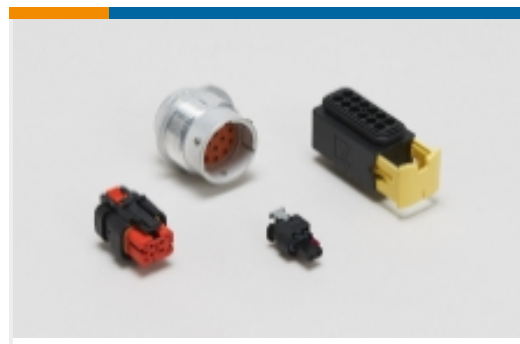
Also in the Series | [AMP MCP 2.8](#)



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance (6)



Automotive Housings (179)



Automotive Seals & Cavity Plugs (1)



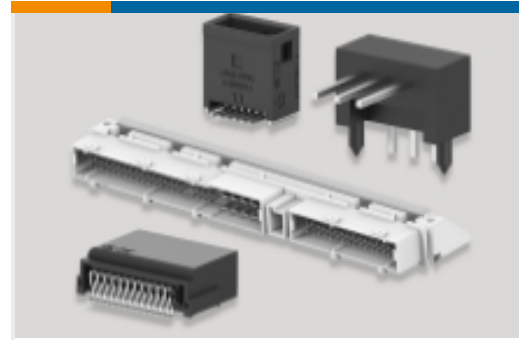
Automotive Terminals (6)



Insertion & Extraction Tools (6)



Module Components (1)

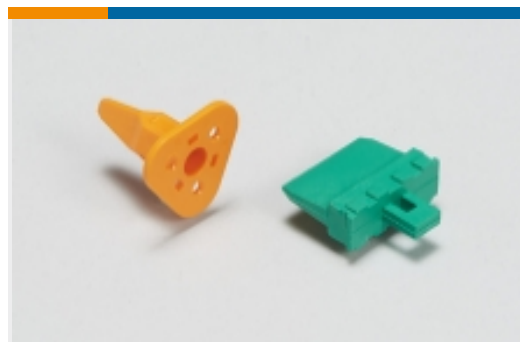


PCB Headers & Receptacles (1)

## Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance (7)



Automotive Housings (352)



Automotive Seals & Cavity Plugs (6)



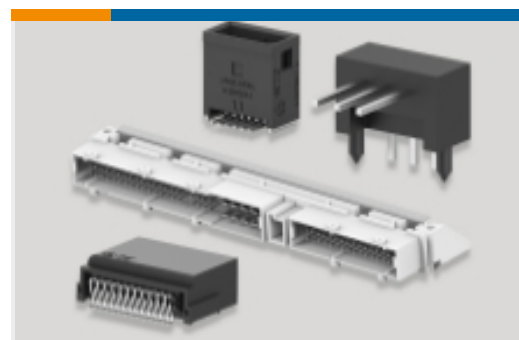
Automotive Terminals (125)



Insertion & Extraction Tools (13)



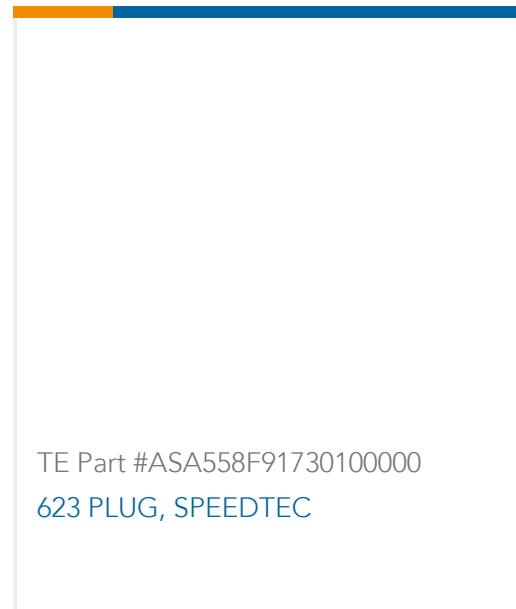
Other Automotive Connector Accessories (2)



PCB Headers & Receptacles (29)

## Customers Also Bought





## Documents

### Product Drawings

#### 2,8MM FLA-STE-GEH3P

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-968977-9\\_B.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-968977-9\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-968977-9\\_B.3d\\_stp.zip](#)

English

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

### Product Specifications

#### HOUSINGS FOR AMP MCP2.8 CONTACT, UNSEALED

English

#### Application Specification

English

### Product Environmental Compliance

#### Product Compliance

English

1-968977-9

Housing for Male Terminals, Wire-to-Wire, 3 Position, .217 in [5.5 mm] Centerline,  
Black, Signal, Panel Mount, -40 – 248 °F [-40 – 120 °C], Hybrid



## Product Compliance

English