

2-968977-9 ✓ ACTIVE

AMP | AMP MCP 2.8, AMP MCP Connector System

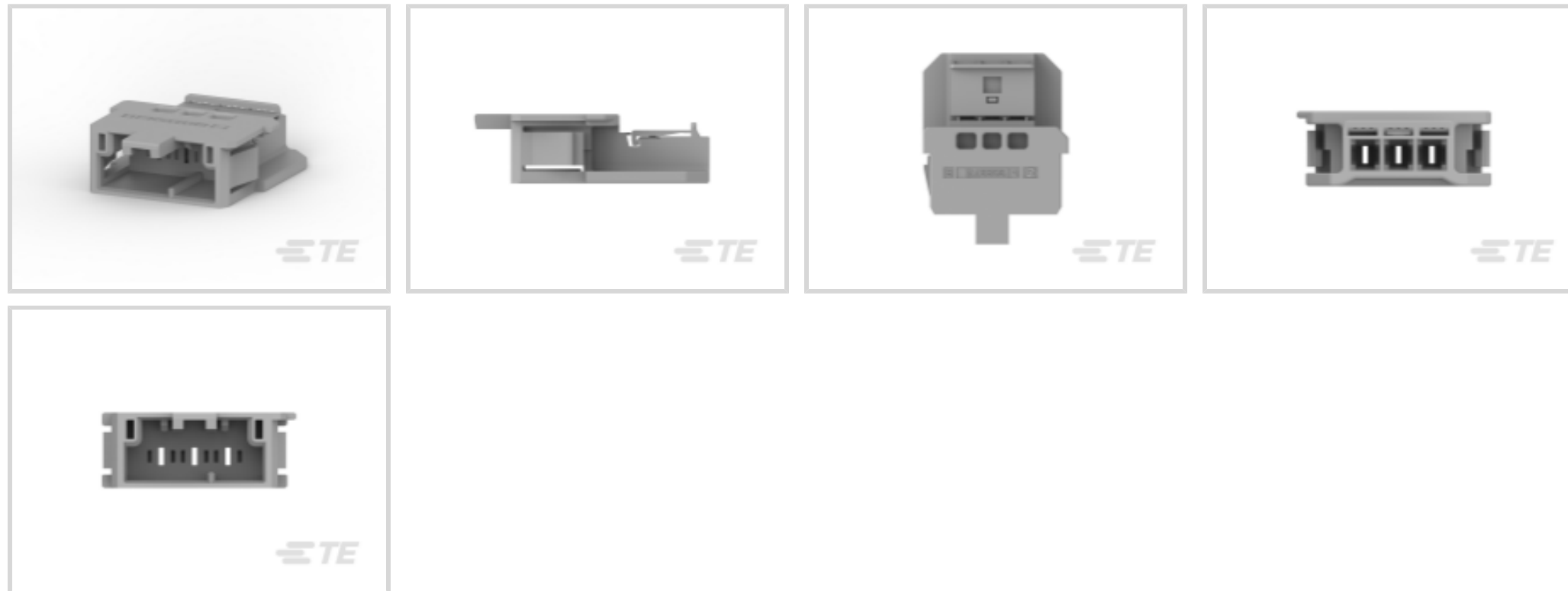
TE Internal #: 2-968977-9

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

Contact Features

| | |
|------------------|----------------|
| Mating Tab Width | 2.8 mm[.11 in] |
|------------------|----------------|

Mechanical Attachment

| | |
|------------------|---------|
| Mounting Feature | Without |
|------------------|---------|

| | |
|-----------------------------|-----|
| Terminal Position Assurance | Yes |
|-----------------------------|-----|

| | |
|---------------|----|
| Strain Relief | No |
|---------------|----|

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 |
|------------------------|---------|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1500 |
|--------------------|------|

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Other

| | |
|-------------|-----|
| Serviceable | Yes |
|-------------|-----|

| | |
|--------------------------------------|----|
| Connector Position Assurance Capable | No |
|--------------------------------------|----|

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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)

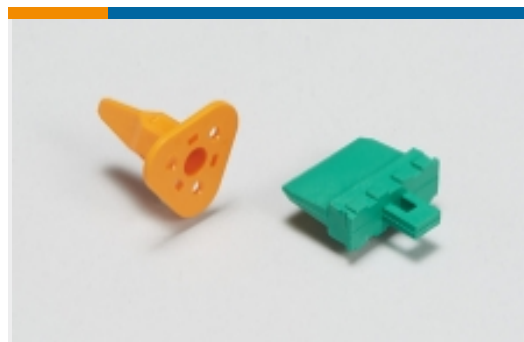


Module Components(1)

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(8)



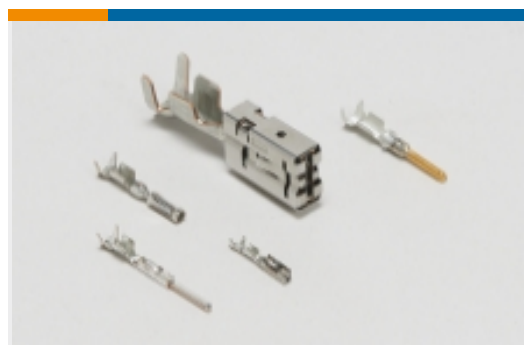
Automotive Headers(29)



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 #1-2141846-3
AMP MCP BACKSHELLS



TE Part #1-2112890-4
AMP MCP, UNSEALED CONNECTOR HOUSING



TE Part #1-1564534-1
HEAVY DUTY SEALED CONNECTOR HOUSINGS



TE Part #1-967588-1
AMP MCP, RECEPTACLE AND TAB HOUSINGS



TE Part #A619664001
HFT5000-100/50-0-SP



TE Part #1-1355133-2
HEBEL F.AUFNAHM-GEH



TE Part #1-1718284-2
ADAPTER 90° FOR 10-14 POS. SOCKE

Documents

Product Drawings

2,8MM FLA-STE-GEH3P

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-968977-9_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-968977-9_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-968977-9_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