# 2-1394765-1 ✔ ACTIVE

AMP | AMP MCP Connector System, AMP MCP 2.8

TE Internal #: 2-1394765-1

12 V, 21 Position, Automotive Housing for Male Terminals, Wire-to-Panel, 5 mm [.197 in] Centerline, Natural, Wire & Cable, Power, Panel Mount, Hybrid

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > AMP Unsealed Connector Housing







Nominal Voltage Architecture: **12 V**

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

Number of Positions: **21**

Sealable: **No**

Operating Temperature Range: **-40 – 85 °C [ -40 – 185 °F ]**

All AMP Unsealed Connector Housing (109)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Male Terminals |
| Sealable | No |
| Primary Locking Feature | Integrated in Housing |
| Connector System | Wire-to-Panel |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 21 |
| Number of Rows | 3 |

### Electrical Characteristics

| | |
|---|---|
| Nominal Voltage Architecture | 12 V |

## Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |
| Primary Product Color | Natural |
| Connector & Keying Code | B |

## Contact Features

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

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Terminal Position Assurance | No |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Panel Mount |

## Housing Features

| | |
|---|---|
| Housing Material | PBT GF10 |
| Centerline (Pitch) | 5 mm[.197 in] |

## Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 5.5 mm[.216 in] |
| Product Width | 21 mm[.826 in] |
| Product Length | 44.7 mm[1.76 in] |
| Connector Height | 33.7 mm[1.33 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
| Operating Temperature (Max) | 85 °C[185 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | DIN IEC 512, SAE/USCAR-2 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 462 |
| Packaging Method | Box |

### Other

| | |
|---|---|
| Serviceable | No |
| 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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 # 2-1394817-1
2,8FLA-STE-GEH 21P



TE Part # CAT-AM705-CH8173
AMP Unsealed Connector Housing

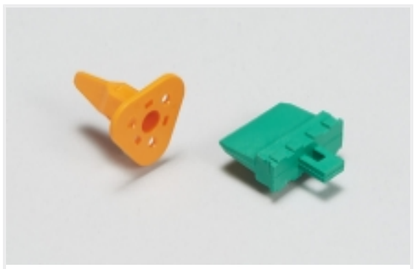


TE Part # 8-968975-1
MCP2.8 GEH 21P

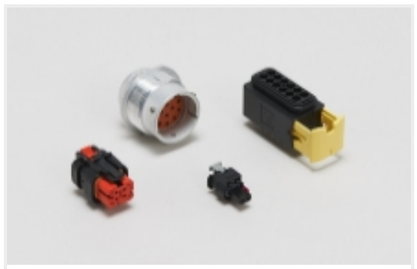
## Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (1)



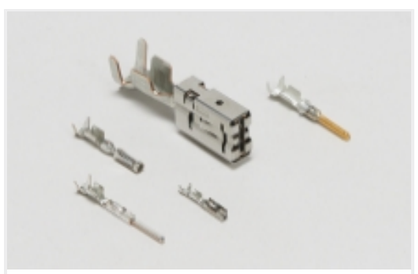
Automotive Connector Locks & Position Assurance(5)



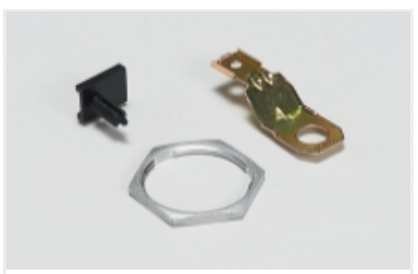
Automotive Housings(193)



Automotive Signal & Power Headers(1)

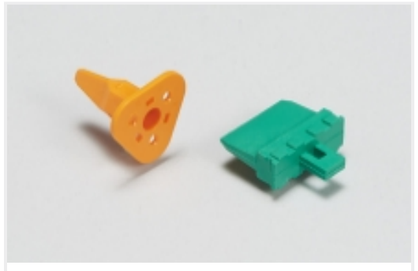


Automotive Terminals(52)



Other Automotive Connector Accessories(1)

## Also in the Series | AMP MCP 2.8



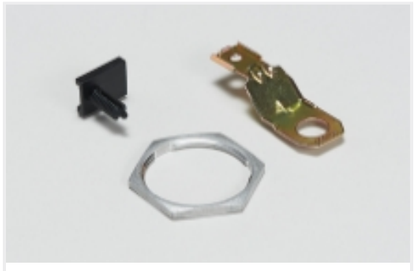
Automotive Connector Locks & Position Assurance(5)



Automotive Housings(193)



Automotive Seals & Cavity Plugs(2)



Other Automotive Connector Accessories(1)

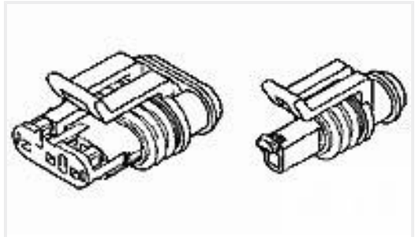
## Customers Also Bought



TE Part #HD10-9-1939P
REC, 9P, BLK, N, FLANGE, J1939, TYPE 1



TE Part #K1007167
Switch guard 08-0-0-01



TE Part #282080-1
AMP SUPERSEAL 1.5 SERIES 2P PL



TE Part #828905-1
SINGLE-WIRE-SEAL(5MM HOLE)



TE Part #963040-3
2P JUN-TIMER GEH

## Documents

### Product Drawings

2.8FLA-STE-GEH 21P

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1394765-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1394765-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1394765-1_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Product Specifications

Application Specification

English