

1-1394765-1 ✓ ACTIVE

AMP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1-1394765-1

Housing for Male Terminals, Wire-to-Wire, 21 Position, .196 in [5 mm] Centerline, Brown, Signal, Panel Mount, -40 – 248 °F [-40 – 120 °C], Hybrid

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Connectors > Automotive Connectors > Automotive Housings > AMP MCP Unsealed Connector Housings



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

Number of Positions: **21**

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

Centerline (Pitch): **5 mm [.196 in]**

Sealable: **No**

[All AMP MCP Unsealed Connector Housings \(195\)](#)

## Features

### Product Type Features

Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	No

### Configuration Features

Number of Positions	21
Number of Rows	3

### Body Features

Cable Exit Angle	180°
Primary Product Color	Brown
Connector & Keying Code	A



### Contact Features

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

### Mechanical Attachment

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

### Housing Features

Housing Material	PBT GF
Centerline (Pitch)	5 mm[.196 in]

### Dimensions

Connector Height	33.7 mm[1.32 in]
Product Width	21 mm[.826 in]
Product Length	44.7 mm[1.75 in]
Row-to-Row Spacing	5.5 mm[.216 in]

### Usage Conditions

Operating Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

### Operation/Application

Circuit Application	Signal
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### Industry Standards

Agency/Standard	DIN IEC 512, SAE/USCAR-2
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### Packaging Features

Packaging Quantity	462
Packaging Method	Package

### 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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>

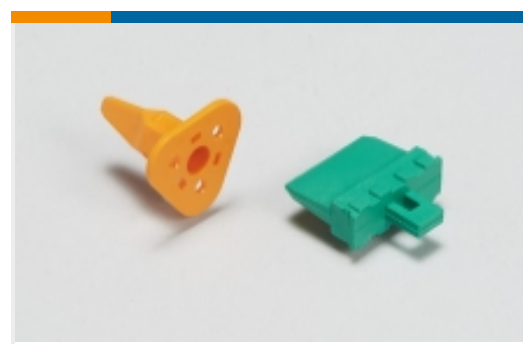
## Compatible Parts



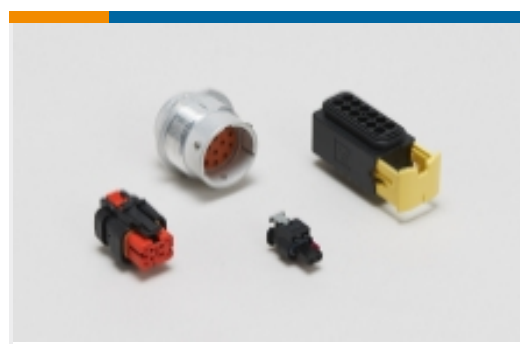
Also in the Series | [AMP MCP 2.8](#)



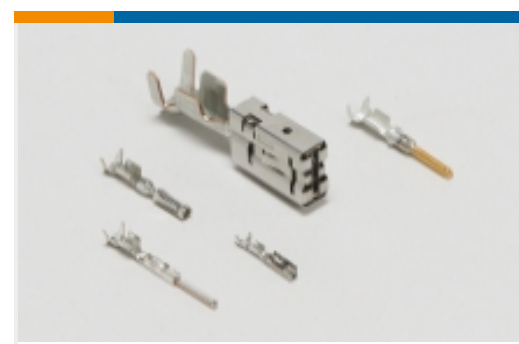
Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance (6)



Automotive Housings (183)



Automotive Terminals (10)



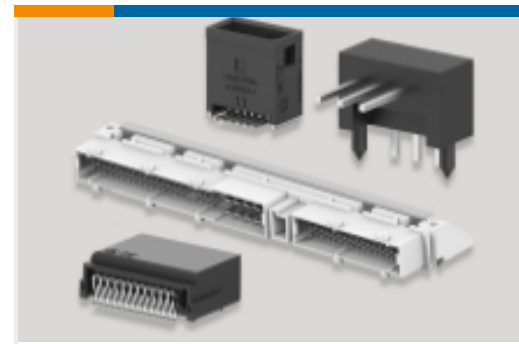
Connector Seals & Cavity Plugs (1)



Insertion & Extraction Tools (6)



Module Components (1)

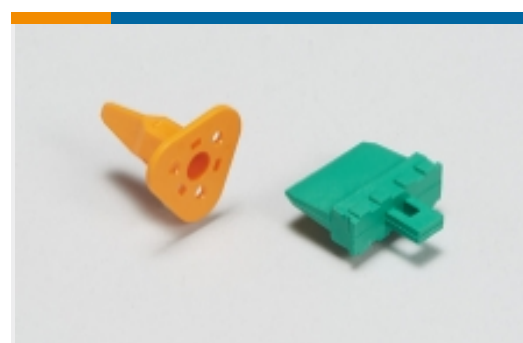


PCB Headers & Receptacles (1)

## Also in the Series | AMP MCP Connector System



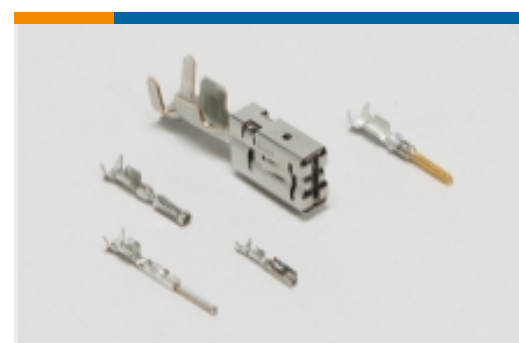
Automotive Connector Caps & Covers (25)



Automotive Connector Locks & Position Assurance (7)



Automotive Housings (360)



Automotive Terminals (135)



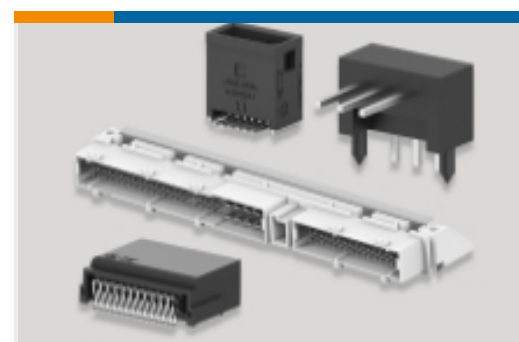
Connector Seals & Cavity Plugs (6)



Insertion & Extraction Tools (13)

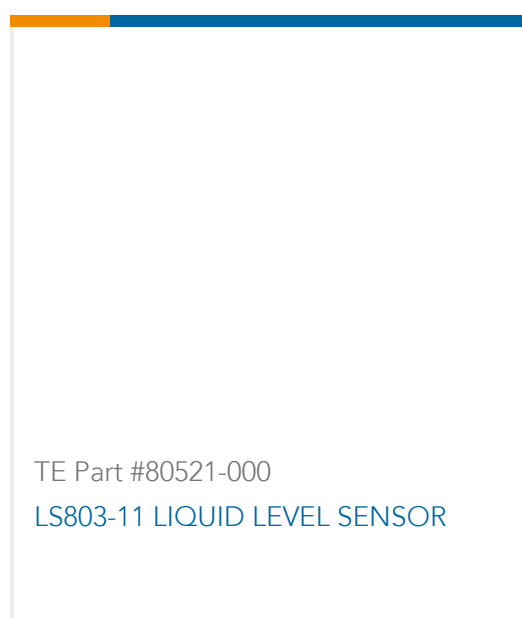
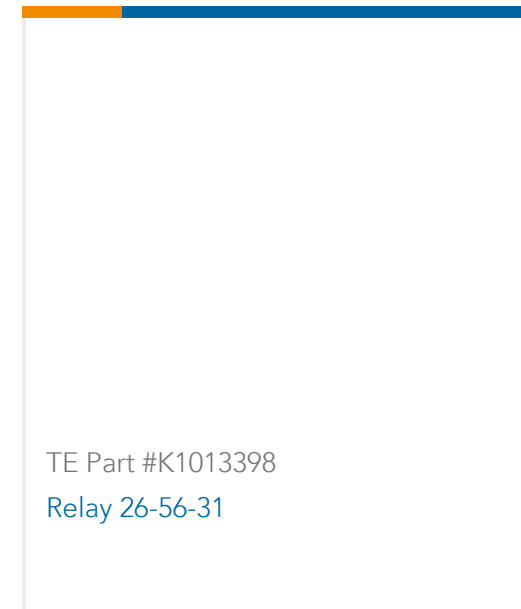
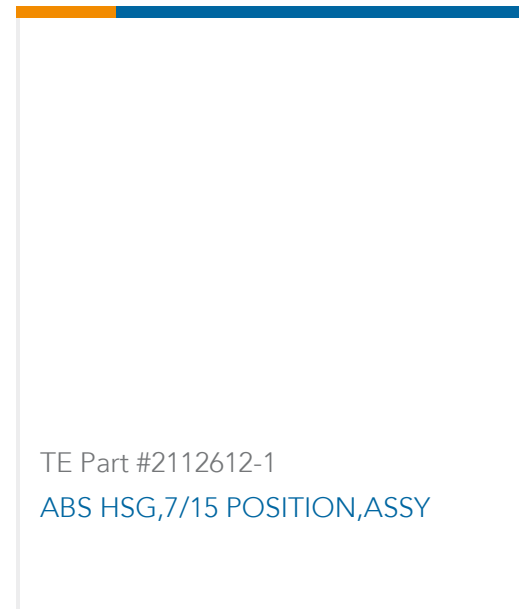
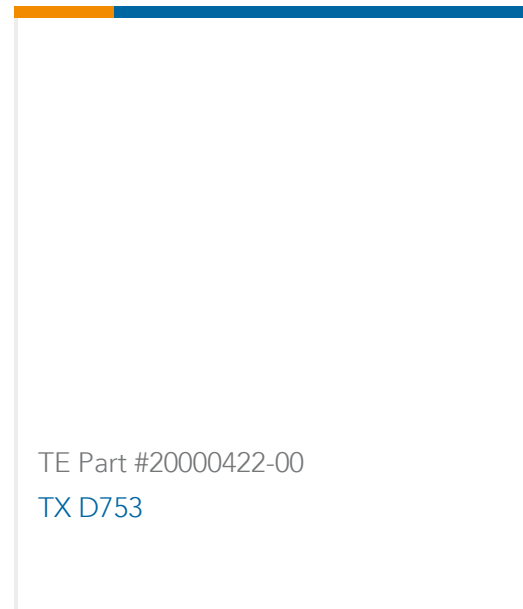
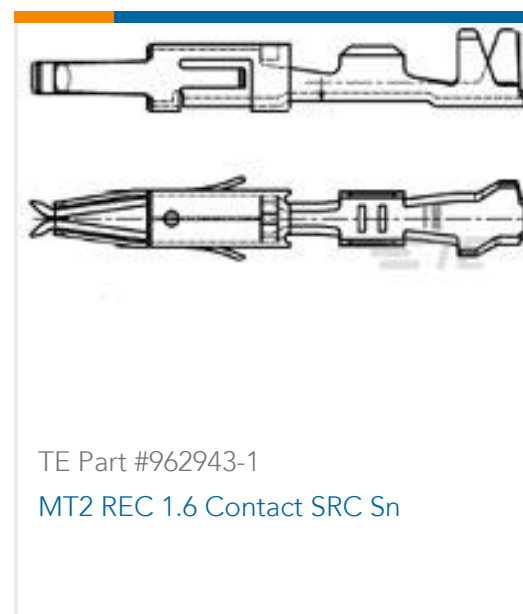


Other Automotive Connector Accessories (2)



PCB Headers & Receptacles (30)

## Customers Also Bought



## Documents

### Product Drawings

2.8FLA-STE-GEH 21P

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1394765-1\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1394765-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1394765-1\\_C.3d\\_stp.zip](#)

English

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

## Product Specifications

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Housing for Male Terminals, Wire-to-Wire, 21 Position, .196 in [5 mm] Centerline,  
Brown, Signal, Panel Mount, -40 – 248 °F [-40 – 120 °C], Hybrid



## Product Specification

English