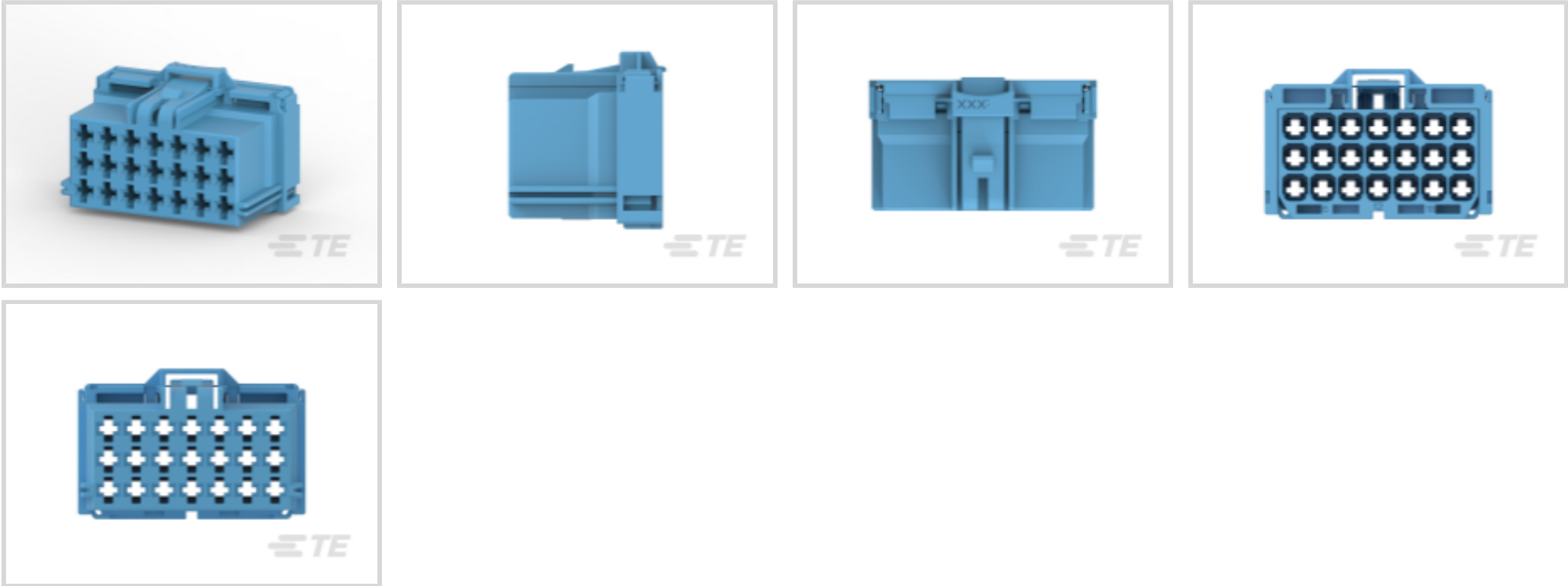




Connectors > Automotive Connectors > Automotive Housings > AMP Unsealed Connector Housing



Number of Positions: 21

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

Mating Tab Width: 2.8 mm [.11 in]

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

Centerline (Pitch): 5 mm [.197 in]

[All AMP Unsealed Connector Housing \(109\)](#)

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

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



Body Features

|                         |            |
|-------------------------|------------|
| Cable Exit Angle        | 180°       |
| Primary Product Color   | Light Blue |
| Connector & Keying Code | C          |

Contact Features

|                  |                |
|------------------|----------------|
| Contact Size     | 2.8mm          |
| Contact Type     | Receptacle     |
| 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     | Cable Mount (Free-Hanging) |

Housing Features

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

Dimensions

|                  |                   |
|------------------|-------------------|
| Product Length   | 37.5 mm[1.476 in] |
| Connector Height | 24 mm[.945 in]    |

Usage Conditions

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

Operation/Application

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

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Box |
| Packaging Quantity | 900 |

Other

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



Product Compliance

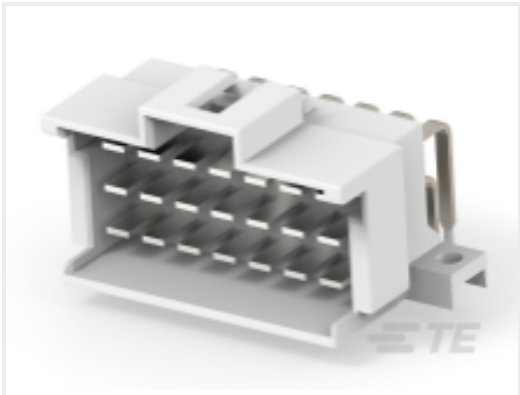
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>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>

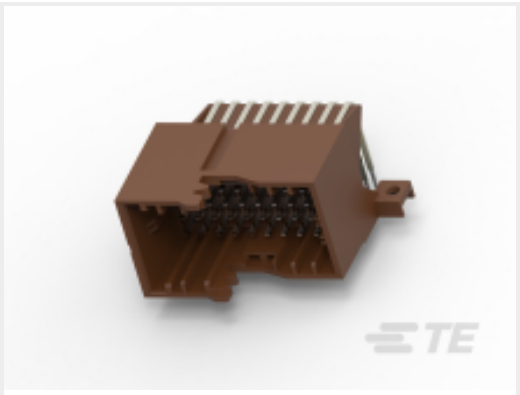
Compatible Parts



TE Part # 4-966140-6  
TAB HEADER2,8X0,8MM 21POS



TE Part # 967635-1  
2.0 KONT



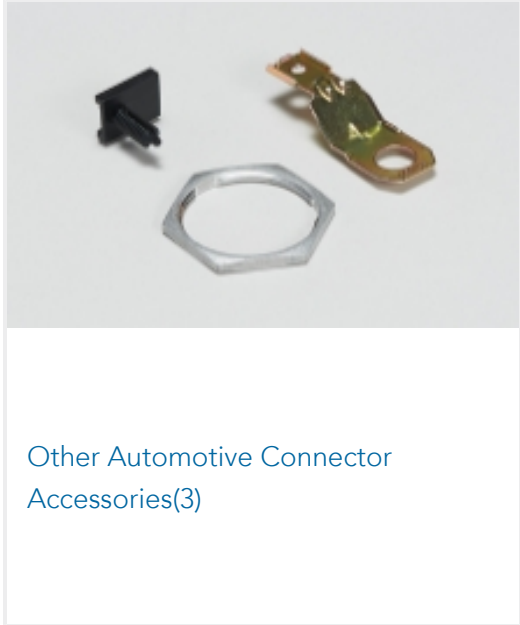
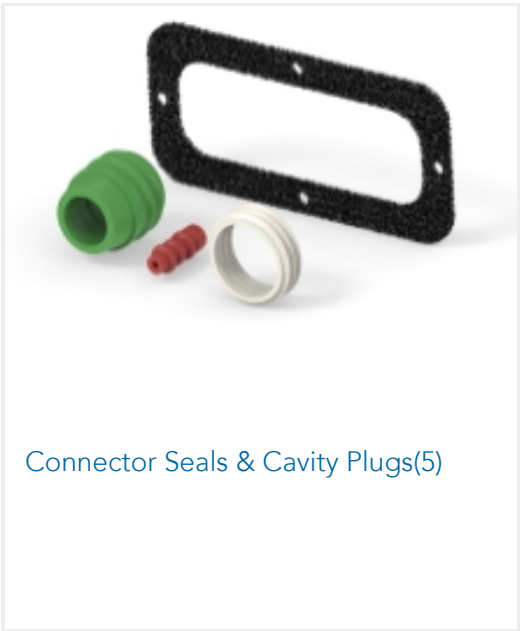
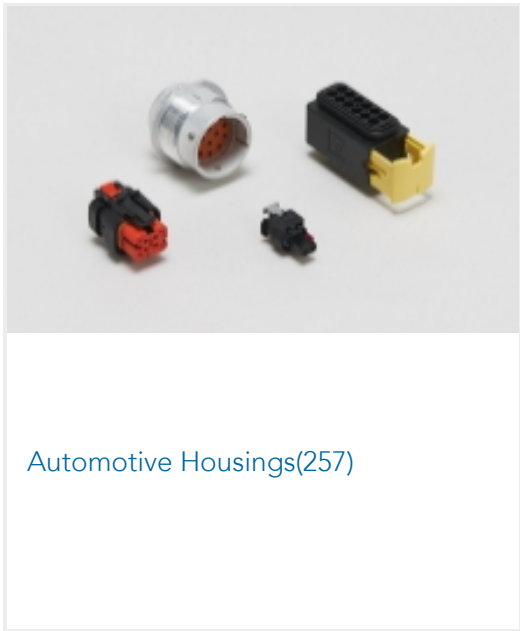
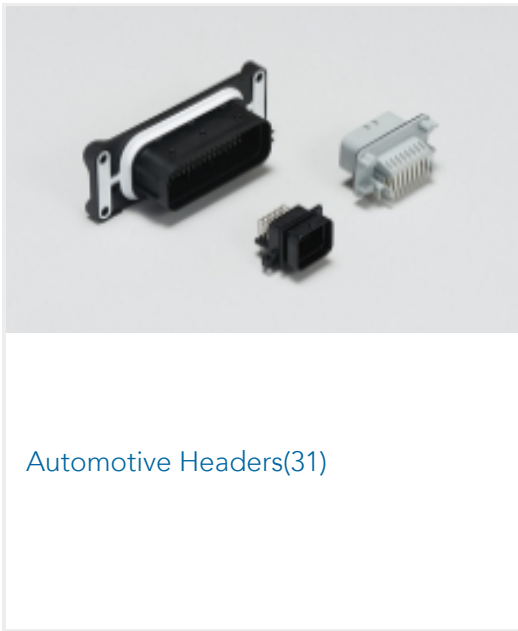
TE Part # CAT-M4599-H342  
AMP MCP Unsealed Headers



TE Part # CAT-AM705-T273  
AMP MCP, RECEPTACLE AND TAB



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



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



Automotive Connector Locks & Position Assurance(4)



Automotive Headers(31)



Automotive Housings(257)



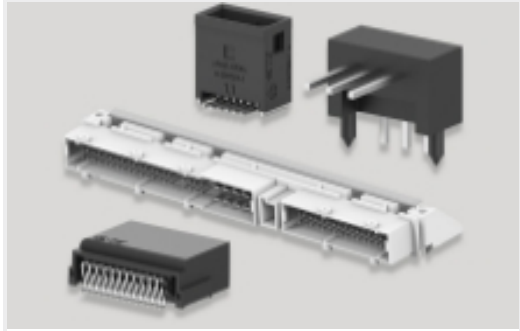
Connector Seals & Cavity Plugs(5)



Insertion & Extraction Tools(13)



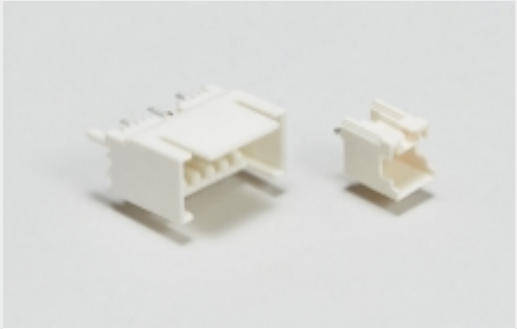
Other Automotive Connector Accessories(3)



PCB Headers & Receptacles(31)



Rectangular Power Connectors(15)



Wire-to-Board Headers & Receptacles (30)

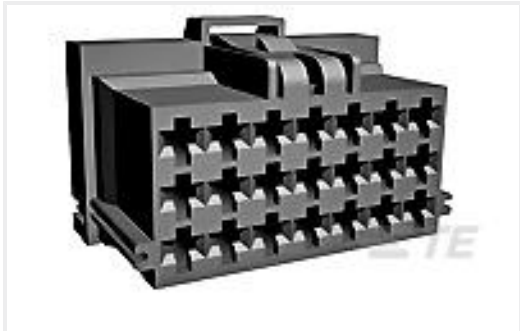
Customers Also Bought



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



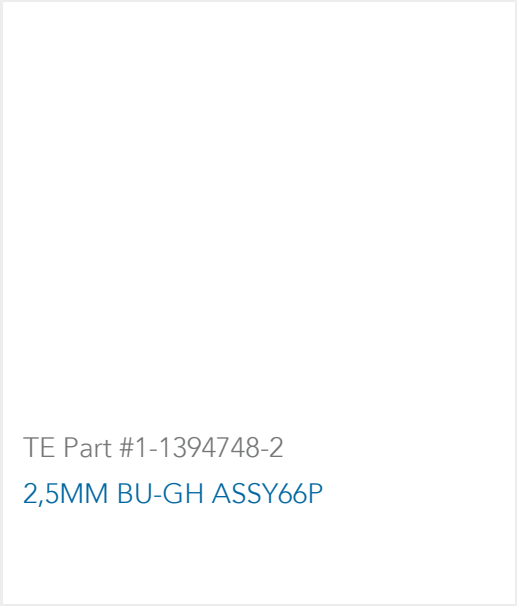
TE Part #5-967630-1  
FLACHSTE-GEH2,8 21P



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



TE Part #2500019-1  
SRC Pwr 36+12ACEG Male Blade Hsg Assy



TE Part #1-1394748-2  
2,5MM BU-GH ASSY66P

Documents



Product Drawings

MCP2.8 GEH ASSY 21P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_6-968975-1\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-968975-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-968975-1\_F.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