

7-968975-1 ✓ ACTIVE

AMP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 7-968975-1

12 V / 24 V, 21 Position, Automotive Housing for Female Terminals,
Wire-to-Wire, 5 mm [.197 in] Centerline, Natural, Wire & Cable,
Power, Hybrid

[View on TE.com >](#)



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



Nominal Voltage Architecture: 12 V, 24 V

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

Number of Positions: 21

Sealable: **No**

Operating Temperature Range: -40 – 120 °C [-40 – 248 °F]

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

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | No |
| Primary Locking Feature | Integrated in Housing |
| Connector System | Wire-to-Wire |
| 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 | Natural |
| Connector & Keying Code | B |

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

Operation/Application

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

Packaging Features

| | |
|--------------------|--------|
| Packaging Method | Carton |
| 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # CAT-LMPH9507
Low & Medium Power Header



TE Part # 967635-1
2.0 KONT



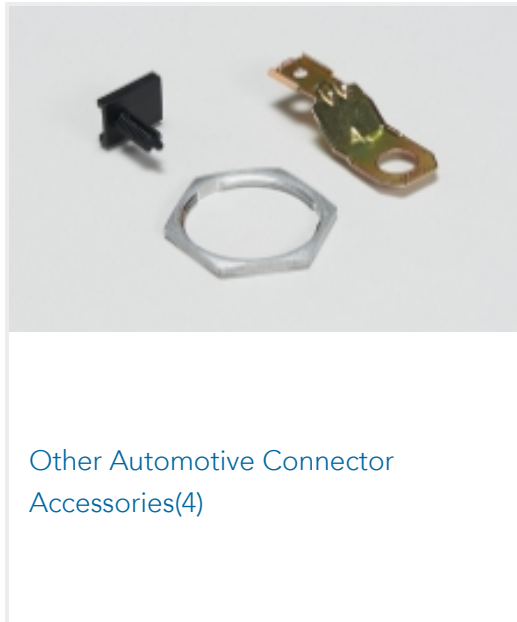
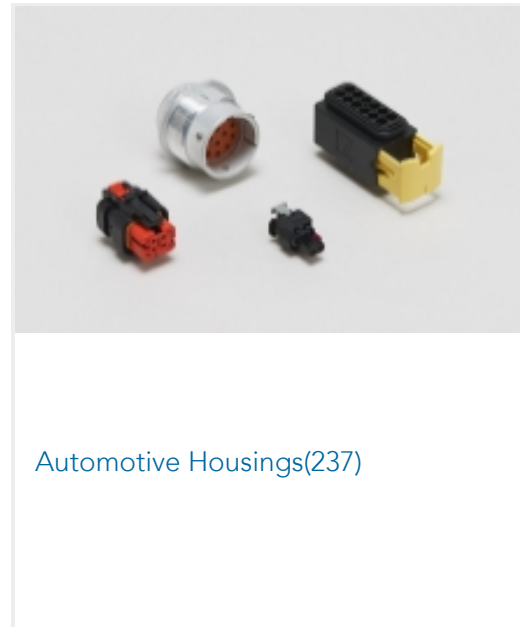
TE Part # 966140-6
MESSERLEISTE 21P



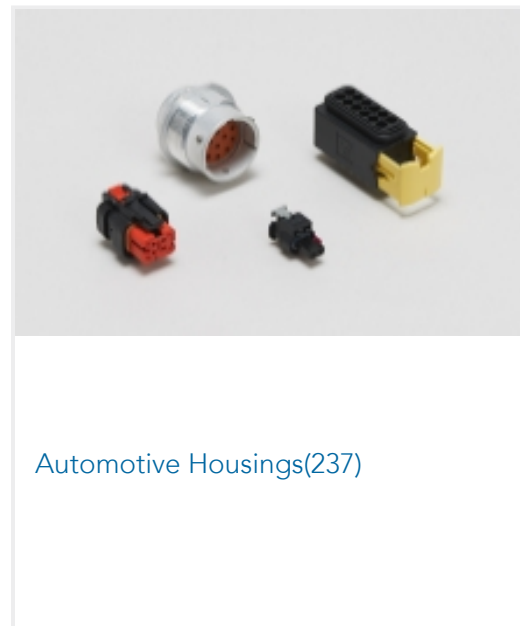
TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB

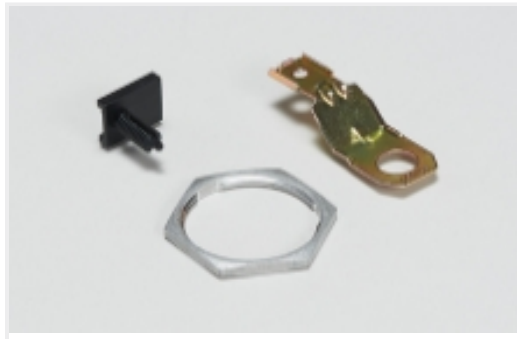


Also in the Series | AMP MCP 2.8



Also in the Series | AMP MCP Connector System





Other Automotive Connector Accessories(4)

Customers Also Bought



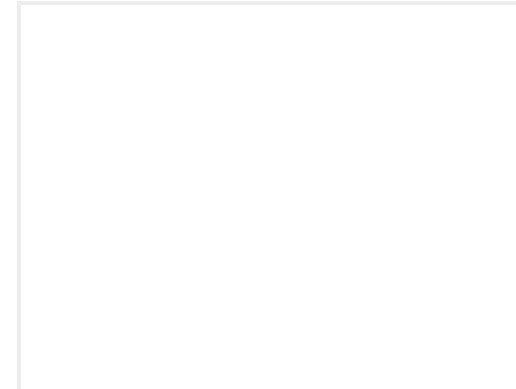
TE Part #CAT-AM705-CH8173
AMP Unsealed Connector Housing



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



TE Part #1241634-3
4POS MQS REC COD C



TE Part #2133257-1
FRAME ASSY MCP

Documents

Product Drawings

[MCP2,8 GEH ASSY 21P](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_7-968975-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-968975-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-968975-1_F.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English