

1718156-1 ✓ ACTIVE

AMP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1718156-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 10 Position, .197 in [5 mm] Centerline, Sealable, Black, Signal, Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > AMP MCP, SEALED CONNECTOR HOUSING



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

Mating Tab Width: **2.8 mm [.11 in]**

Connector System: **Wire-to-Board, Wire-to-Device**

Number of Positions: **10**

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

[All AMP MCP, SEALED CONNECTOR HOUSING \(158\)](#)

Features

Product Type Features

| | |
|---------------------------|-------------------------------|
| Connector & Housing Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Connector System | Wire-to-Board, Wire-to-Device |
| Sealable | Yes |
| Hybrid Connector | No |
| Primary Locking Feature | On the Terminal |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 10 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|------------------------------|------------|
| Operating Voltage | 32 VDC |
| Nominal Voltage Architecture | 12 V, 24 V |

Body Features



| | |
|-----------------------|--------|
| Cable Exit Angle | Other |
| Body Material | PBT GF |
| Primary Product Color | Black |
| Connector Code | A-C |

Contact Features

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

Mechanical Attachment

| | |
|-----------------------------|----------------------------|
| Mounting Feature | Without |
| Terminal Position Assurance | Yes |
| Strain Relief | Add By Accessory |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

| | |
|--------------------|---------------|
| Centerline (Pitch) | 5 mm[.197 in] |
|--------------------|---------------|

Dimensions

| | |
|--------------------|-------------------|
| Product Width | 34 mm[1.338 in] |
| Product Length | 51.8 mm[2.039 in] |
| Product Height | 33.5 mm[1.319 in] |
| Row-to-Row Spacing | 3.5 mm[.138 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

| | |
|------------------------|-------------|
| Degree of Protection | IP67, IP69K |
| UL Flammability Rating | UL 94HB |



Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 280 |
| Packaging Method | Box |

Other

| | |
|--------------------------------------|-----|
| Serviceable | Yes |
| 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 | <p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JAN 2022 (223)</p> <p>SVHC > Threshold:</p> <p>Octamethylcyclotetrasiloxane (D4) (.11% in Component Part)</p> <p>Dodecamethylcyclohexasiloxane (D6) (.11% in Component Part)</p> <p>Decamethylcyclopentasiloxane (D5) (.11% in Component Part)</p> <p>Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p> |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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

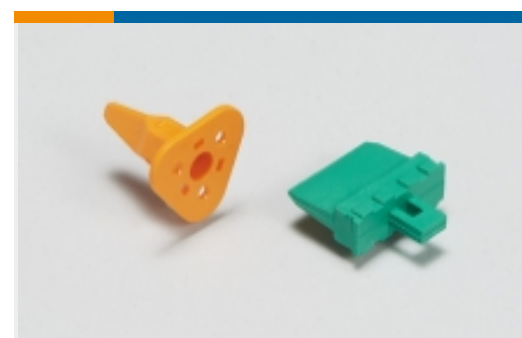


TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB


Also in the Series | AMP MCP 2.8




Automotive Connector Caps & Covers (1)




Automotive Connector Locks & Position Assurance(6)




Automotive Housings(179)



Automotive Seals & Cavity Plugs(1)




Automotive Terminals(6)



Insertion & Extraction Tools(6)




Module Components(1)

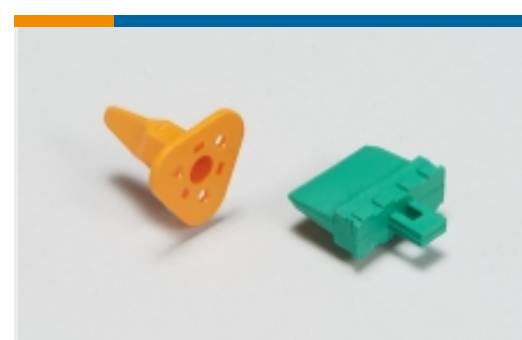


PCB Headers & Receptacles(1)


Also in the Series | AMP MCP Connector System




Automotive Connector Caps & Covers (24)



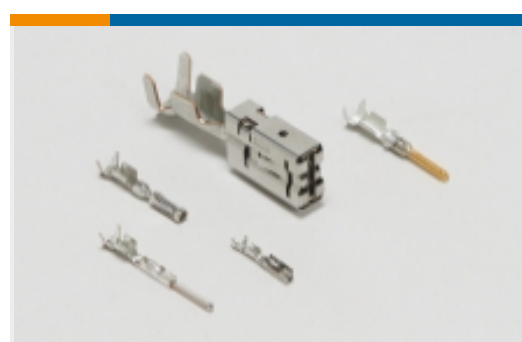
Automotive Connector Locks & Position Assurance(7)



Automotive Housings(352)



Automotive Seals & Cavity Plugs(6)



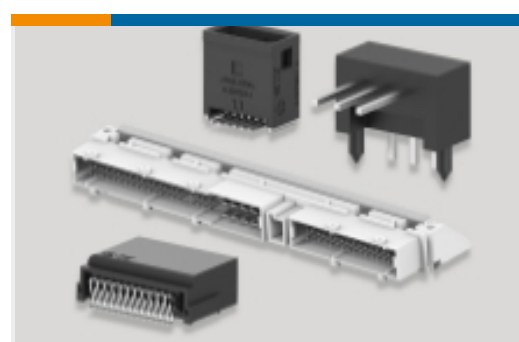
Automotive Terminals(125)



Insertion & Extraction Tools(13)

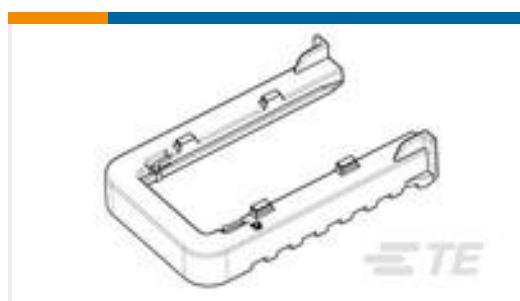
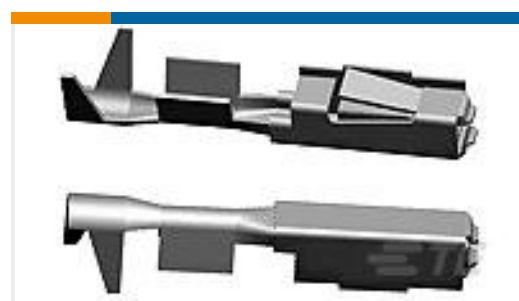
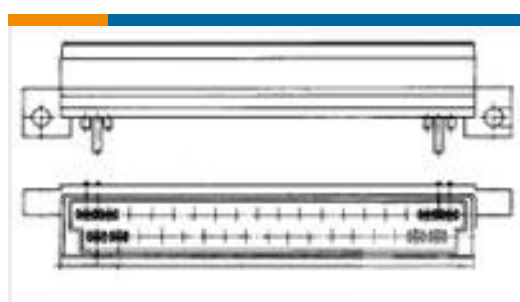
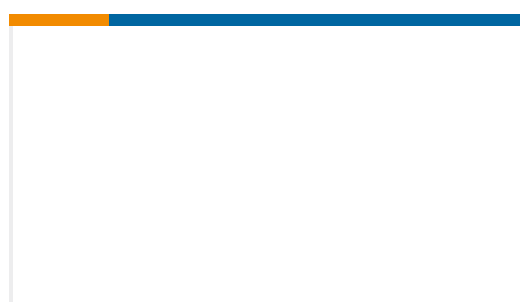


Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(29)

Customers Also Bought

TE Part #178307-5
DYNAMIC D3100 HDR ASSY 16PTE Part #2112166-2
SLIDE, FOR 21 POS.TE Part #1-1564530-1
Heavy Duty Sealed Connector Series
HousingsTE Part #144969-2
MQS0,63 Au rec LL unseal. 0,2-0,6TE Part #6-968973-1
AMP MCP, UNSEALED CONNECTOR
HOUSINGTE Part #825213-2
35P MESSERLEISTETE Part #3-1904107-7
V23074A1002X097-EV-CBOXTE Part #1102895-1
HEE.32.STI.C.B1-32

Documents

Product Drawings

[AMP MCP 2.8 SOCKET HSG 10 POS ASSY](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1718156-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1718156-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1718156-1_A.3d_stp.zip](#)

English

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Product Specifications

INTERFACE FOR SEALED CONNECTORS WITH 8/10/16 x 2.8x0.8 TAB

English

Application Specification

English

Application Specification

English