# 1-2112780-9 ✔ ACTIVE

AMP | AMP MCP Connector System, AMP MCP Hybrids

TE Internal #: 1-2112780-9

12 V, 18 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Wire, 3.5 mm [.138 in] Centerline, Sealable, Black, Hybrid

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







Nominal Voltage Architecture: **12 V**

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

Number of Positions: **18**

Sealable: **Yes**

Operating Temperature Range: **-40 – 130 °C [ -40 – 266 °F ]**

All AMP MCP, SEALED CONNECTOR HOUSING (96)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | Yes |
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | Integrated in Housing |
| Connector System | Wire-to-Board, Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 18 |
| Number of Rows | 2 |

### Electrical Characteristics

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

## Body Features

| | |
|---|---|
| Cable Exit Angle | 180 ° |
| Primary Product Color | Black |
| Connector & Keying Code | A |

## Contact Features

| | |
|---|---|
| Contact Size | 1.2mm, 2.8mm |
| Contact Type | Receptacle |
| Mating Tab Width | 1.2 mm, 2.8 mm[.047 in][.11 in] |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Housing Material | Glass-Filled PBT |
| Centerline (Pitch) | 3.5 mm[.138 in] |

## Dimensions

| | |
|---|---|
| Product Width | 37.1 mm[1.461 in] |
| Product Length | 60.3 mm[2.374 in] |
| Connector Height | 33.3 mm[1.311 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 130 °C[-40 – 266 °F] |
| Operating Temperature (Max) | 130 °C[266 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power & Signal |

## Packaging Features

| | |
|---|---|
| Packaging Method | Box |
| Packaging Quantity | 320 |

## 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 | 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)<br>Candidate List Declared Against: JUNE 2025 (250)<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 # CAT-M4595-T273
MCON Receptacle and Tab

TE Part # 1-2112757-1
18POS, MIXED,REC HSG,SEALED

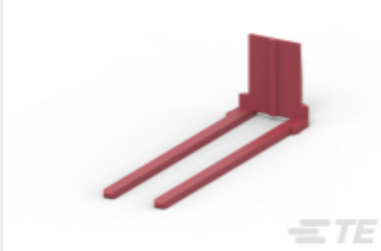


TE Part # 1-1670782-1
18POS, MIXED,REC HSG,ASSY,CODA

TE Part # 1-1670785-9
COVER FAM. SEAL MCON-1.2 CB



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

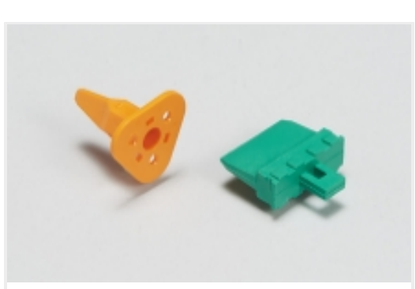


TE Part # 1670789-1
2. LOCK



TE Part # CAT-AM706-T273
AMP MCP, SFC, RECEPTACLE

## Also in the Series | AMP MCP Connector System



Automotive Connector Locks & Position Assurance(5)



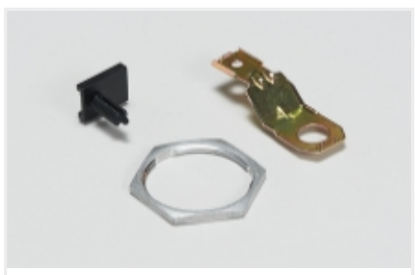
Automotive Housings(44)



Automotive Signal & Power Connector Housings(4)



Connector Seals & Cavity Plugs(6)



Other Automotive Connector Accessories(4)

## Also in the Series | AMP MCP Hybrids



Automotive Headers(1)



Automotive Housings(44)



Automotive Signal & Power Connector Housings(4)

## Customers Also Bought

12 V, 18 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Wire, 3.5 mm [.138 in] Centerline, Sealable, Black, Hybrid



TE Part #3-967644-1
2POS MQS REC SEALED COD C



TE Part #2112594-1
6POS,NANOMQS,REC HSG,ASSY, SEALED



TE Part #2-2112780-6
18POS, MIXED,REC HSG,ASSY, SEALED



TE Part #3-2112780-1
18POS, MIXED,REC HSG,ASSY, SEALED



TE Part #2236793-3
SMARTSEAL TERMINAL



TE Part #2237049-1
0.64 III 16P PLUG ASSEMBLY



TE Part #2305881-1
CVTY PLUG,090 SERIES,CVTY DIA,1, GRY



TE Part #2474991-1
2POS,MCON 1.2,REC HSG ASSY,SLD, COD A

TE Part #2112758-1
COVER

TE Part #2434885-1
SENSOR,TERMINAL,2.8

## Documents

### Product Drawings

18POS, MIXED,REC HSG,ASSY,SEALED

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2112780-9_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2112780-9_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2112780-9_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