

1-2112780-9 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP Hybrids

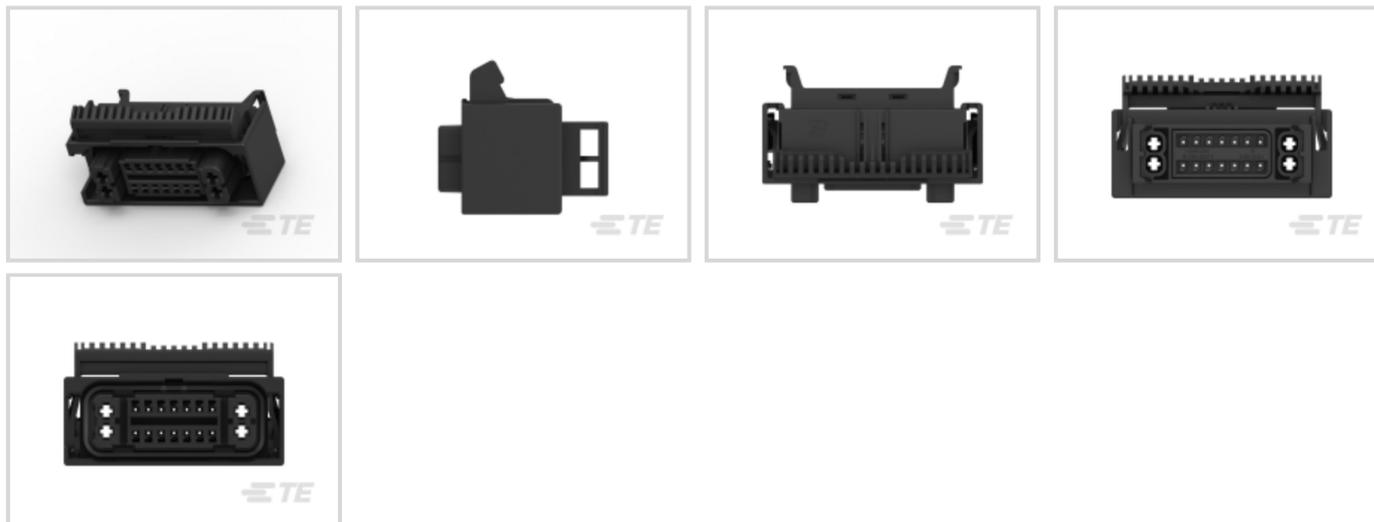
TE Internal #: 1-2112780-9

Housing for Female Terminals, Wire-to-Wire, 18 Position, .138 in [3.5 mm] Centerline, Sealable, Black, Signal, Cable Mount (Free-Hanging), Hybrid

[View on TE.com >](#)



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



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

Number of Positions: **18**

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

Centerline (Pitch): **3.5 mm [ .138 in ]**

Sealable: **Yes**

[All AMP MCP, SEALED CONNECTOR HOUSING \(166\)](#)

## Features

### Product Type Features

Hybrid Connector	Yes
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	On the Terminal

### Configuration Features

Number of Positions	18
Number of Rows	2

### Body Features

Cable Exit Angle	180°
Primary Product Color	Black



Connector & Keying Code	A
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### 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

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

### Housing Features

Housing Material	PBT GF
Centerline (Pitch)	3.5 mm [.138 in]

### Dimensions

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

### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Quantity	320
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

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

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

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

TE Part # CAT-M4595-T273  
MCON Receptacle and Tab

TE Part # 1670789-1  
2. LOCK

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

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)

## Also in the Series | AMP MCP Hybrids



Automotive Connector Caps & Covers (6)



Automotive Housings (49)

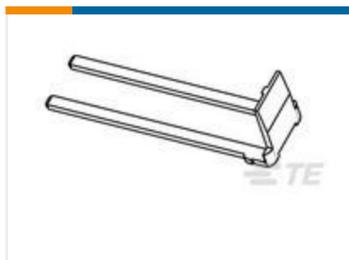
## Customers Also Bought



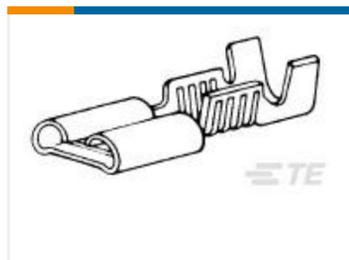
TE Part #1-2112780-5  
AMP MCP, SEALED CONNECTOR HOUSING



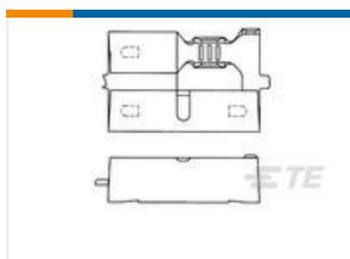
TE Part #1554723-1  
1.0 SEALED RECEPTACLE CONTACT



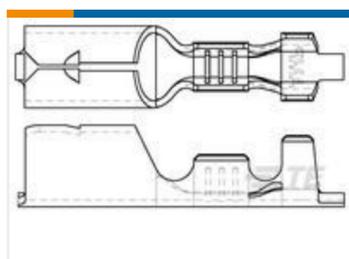
TE Part #1670789-1  
2. LOCK



TE Part #880683-1  
.250 SERIES FASTON



TE Part #880142-1  
.156 DIA SHUR PLUG REC



TE Part #881724-1  
.156 DIA SHUR PWG R



TE Part #2112758-1  
COVER



TE Part #1989960-1  
FASTIN-ON .312 FLAG REC. SPECIAL



## 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