

2-2112780-8 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP Hybrids

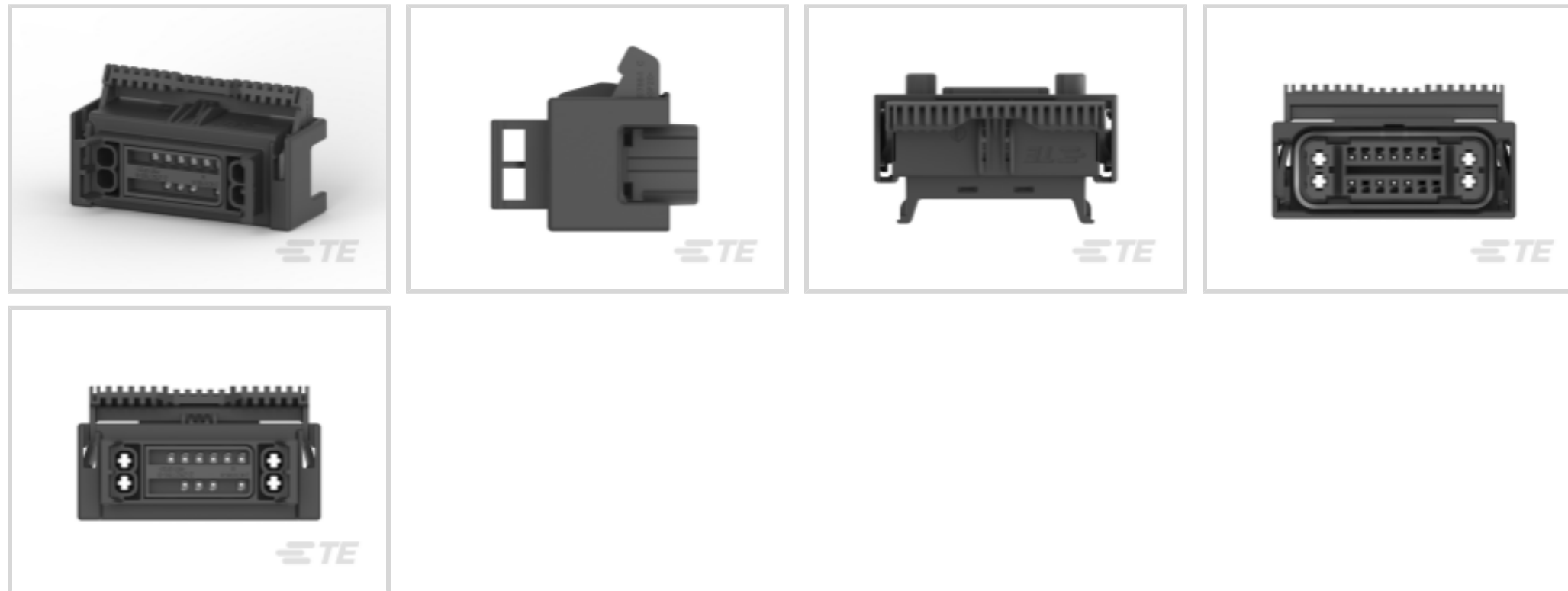
TE Internal #: 2-2112780-8

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

[View on TE.com >](#)



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



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

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 \(161\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	18
Number of Rows	2

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Body Features



Cable Exit Angle	90°
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

Terminal Position Assurance	Yes
Strain Relief	With
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]
Row-to-Row Spacing	8.9 mm [.35 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-25 – 125 °C [-13 – 257 °F]

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

Degree of Protection	IPX9K
UL Flammability Rating	UL 94HB

Packaging Features



Packaging Quantity	320
--------------------	-----

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: 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 reviewed 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 # 967543-1
SENSOR FLA-KONT 2,8

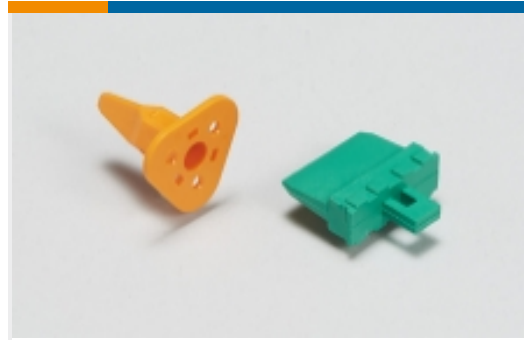
TE Part # CAT-M4595-T273
MCON Receptacle and Tab

TE Part # 1670789-1
2. LOCK

Also in the Series | AMP MCP Connector System



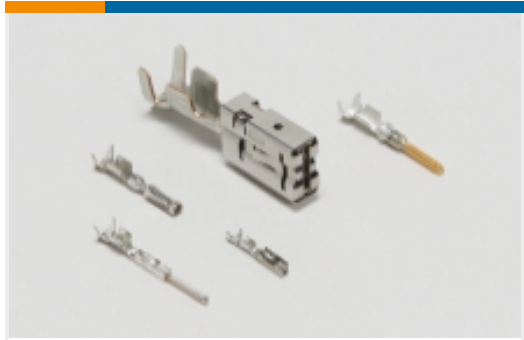
Automotive Connector Caps & Covers (23)



Automotive Connector Locks & Position Assurance(6)



Automotive Housings(332)



Automotive Terminals(129)



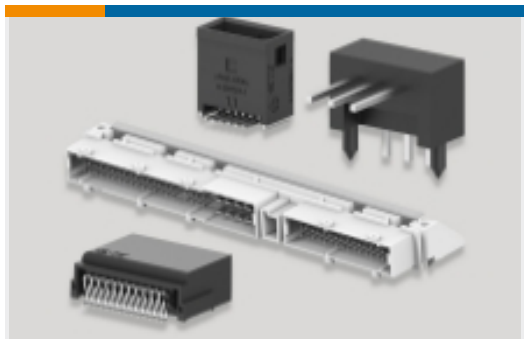
Connector Seals & Cavity Plugs(7)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(28)

Also in the Series | AMP MCP Hybrids



Automotive Connector Caps & Covers (4)



Automotive Housings(53)

Customers Also Bought



TE Part #1-967241-1
Timer Connector Housing

Documents

Product Drawings

18POS, MIXED,REC HSG,ASSY,SEALED

English



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-2112780-8_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2112780-8_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2112780-8_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