1-1670782-1 ✔ ACTIVE

AMP | AMP MCP Connector System, AMP MCP Hybrids

TE Internal #: 1-1670782-1

12 V, 18 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 3.5 mm [.138 in] Centerline, Sealable, Black, Wire & Cable, Power, 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**

Number of Rows: **2**

All AMP MCP, SEALED CONNECTOR HOUSING (97)

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-Wire
Connector & Contact Terminates To	Wire & Cable

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	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]
Contact Current Rating (Max)	7 A, 29 A

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 GF30
Centerline (Pitch)	3.5 mm[.138 in]

Dimensions

Row-to-Row Spacing	5.5 mm, 6.3 mm[.216 in][.248 in]
Product Width	33.3 mm[1.31 in]
Product Length	60.3 mm[2.37 in]
Connector Height	31 mm[1.22 in]

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IPX9K
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	420
Packaging Method	Box

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 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



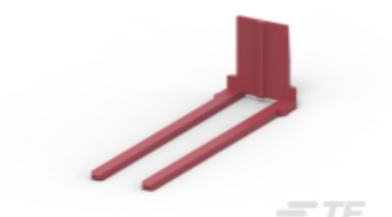
TE Part # CAT-M4595-T273
MCON Receptacle and Tab



TE Part # 1-2112780-9
18POS, MIXED,REC HSG,ASSY, SEALED



TE Part # 8-1579008-4
EXTRACTION TOOL



TE Part # 1670789-1
2. LOCK



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

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

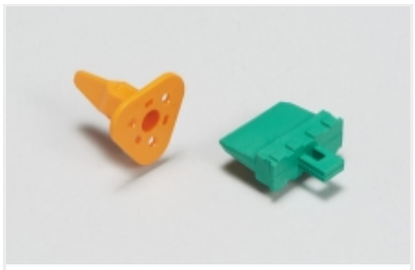


TE Part # CAT-AM706-T273
AMP MCP, SFC, RECEPTACLE

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (4)



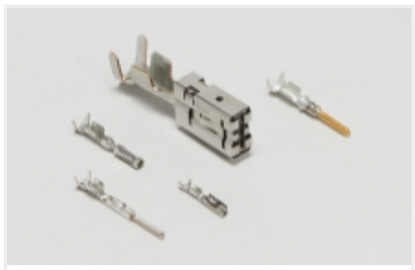
Automotive Connector Locks & Position Assurance(5)



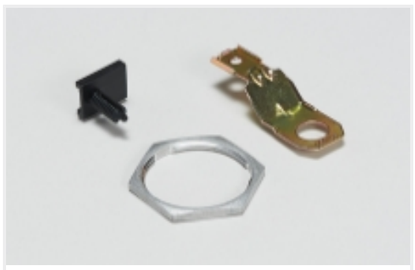
Automotive Housings(44)



Automotive Signal & Power Headers(8)



Automotive Terminals(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



TE Part #936607-1
2.8MM MCP-E REC CONT



TE Part #1544966-1
8MM NG1+ TERMINAL



TE Part #1544978-1
RECEPT HSG ASSY, 8MM NG1+, 2W, SEALED



TE Part #1554723-1
1.0 SEALED RECEPTACLE CONTACT



TE Part #1939351-1
1.0 SEALED RECEPTACLE CONTACT Sn



TE Part #2050052-1
4POS 2.8MM SENSOR PLUG ASSY.



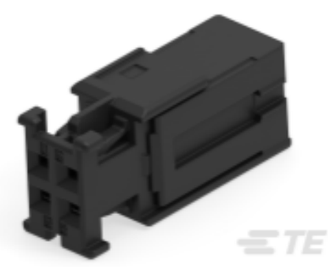
TE Part #2203663-5
2X9 SEALED PLUG ASSY KEY A



TE Part #2290490-1
16POS,1.0 SERIES,REC HSG ASSY,SLD



TE Part #2291354-1
PLUG SHELL BOTTOM, 0.50 HSL CONNECTOR



TE Part #2293734-1
PLUG HOUSING CAVITY, 4 POS 0.50 HSL CONN

Documents

Product Drawings

18POS, MIXED,REC HSG,ASSY,CODA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1670782-1_G_c-1-1670782-1-g.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1670782-1_G_c-1-1670782-1-g.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1670782-1_G_c-1-1670782-1-g.3d_stp.zip

English

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Product Specifications

Application Specification

English