2098198-5 ✔ ACTIVE

AMP | AMP MCP Connector System, AMP MCP 2.8

TE Internal #: 2098198-5

12 V / 24 V / 48 V, 1 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Device, Sealable, Black, Wire & Cable, Power, Hybrid

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready 2.8mm Sealed Connectors



Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **1**

Sealable: **Yes**

Operating Temperature Range: **-40 – 155 °C [-40 – 311 °F]**

All 48V Ready 2.8mm Sealed Connectors (27)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Locking Lance
Connector System	Wire-to-Board, Wire-to-Device
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Rows	1

Electrical Characteristics

Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Primary Product Color	Black

Contact Features

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

Mechanical Attachment

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

Housing Features

Housing Material	PA GF

Dimensions

Product Width	33 mm[1.29 in]
Product Length	22.6 mm[.89 in]
Connector Height	33 mm[1.299 in]

Usage Conditions

Operating Temperature Range	-40 – 155 °C[-40 – 311 °F]
Operating Temperature (Max)	155 °C[311 °F]

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP69K

Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

Serviceable	Yes
Connector Position Assurance Capable	Yes

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) 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 # 2098204-2
Peripheral Seal, 1 Posn MCP 2.

TE Part # 2138907-1
CPA, SEALED CONNECTORS

TE Part # 2138413-1
Plug Housing, 1 Posn Sealed, M



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

Also in the Series | AMP MCP Connector System



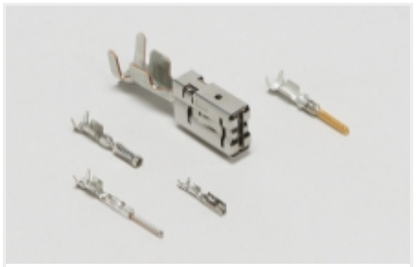
Automotive Connector Caps & Covers (1)



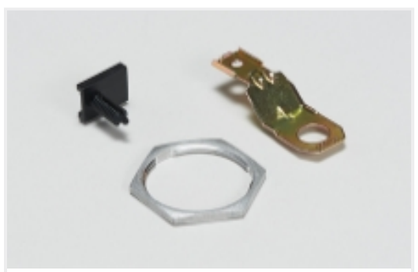
Automotive Seals & Cavity Plugs(2)



Automotive Signal & Power Headers(1)

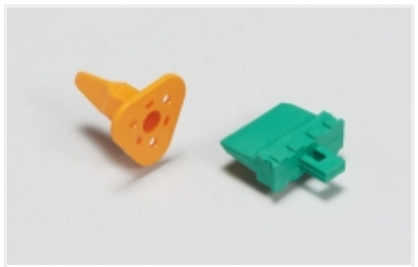


Automotive Terminals(52)



Other Automotive Connector Accessories(1)

Also in the Series | AMP MCP 2.8



Automotive Connector Locks & Position Assurance(5)



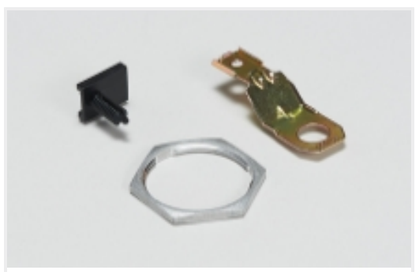
Automotive Housings(193)



Automotive Seals & Cavity Plugs(2)



Automotive Signal & Power Connector Housings(111)



Other Automotive Connector Accessories(1)

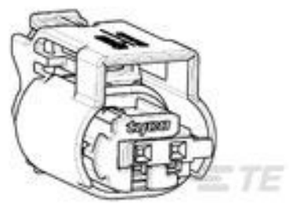
Customers Also Bought



TE Part #776540-1
776310-1 SECONDARY LOCK WITH 120 OHM 1/2



TE Part #CAT-G3353-T273
GET .64 CONNECTOR SYSTEM, RECEPT AND TAB



TE Part #1-1438608-5
2POS MQS REC SEALED COD A



TE Part #1633932-4
ANVIL, COMBINATION

TE Part #2-2236706-1
2-POS. SEALED 2.8MM USCAR CLEAN BODY FOR

TE Part #2-2236706-3
2-POS. SEALED 2.8MM USCAR CLEAN BODY FOR

TE Part #3-1438103-8
GET 24 WAY ARM PLUG NSB, KEY A

TE Part #5-1924513-4
GET 40 WAY HARNESS ASSY, KEY J



TE Part #2310000-2
10POS,MQS,REC HSG ASSY,UNSLD, COD B

Documents

Product Drawings

Plug Assembly, Sealed, 1 Posn,

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2098198-5_C_c-2098198-5-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2098198-5_C_c-2098198-5-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2098198-5_C_c-2098198-5-c.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

Instruction Sheets

Instruction Sheet (U.S.)

English