1745078-1 ✔ ACTIVE

AMP MCP | AMP MCP Connector System, AMP MCP 2.8

TE Internal #: 1745078-1

12 V / 24 V, 6 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5.5 mm [.22 in] Centerline, Sealable, Gray, Wire & Cable, Hybrid

View on TE.com >

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







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

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

Number of Positions: **6**

Sealable: **Yes**

Operating Temperature Range: **-40 – 100 °C [-40 – 212 °F]**

All 48V Ready 2.8mm Sealed Connectors (27)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	24 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray
Connector & Keying Code	Neutral

Contact Features

Contact Size	2.8K
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]
Contact Current Rating (Max)	20 A

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	PBT GF
Centerline (Pitch)	5.5 mm[.22 in]

Dimensions

Row-to-Row Spacing	5.5 mm[.22 in]
Product Width	31.5 mm[1.24 in]
Product Length	26.4 mm[1.03 in]
Connector Height	29.8 mm[1.17 in]

Usage Conditions

Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]
Operating Temperature (Max)	100 °C[212 °F]

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IPX7, IPX9K

Packaging Features

Packaging Quantity	100
Packaging Method	Bag

Other

Serviceable	No
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	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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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-AM705-T273
AMP MCP, RECEPTACLE AND TAB

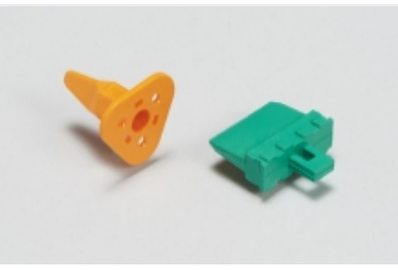


TE Part # CAT-T4827-CH8172
Timer Connector Housing

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (1)



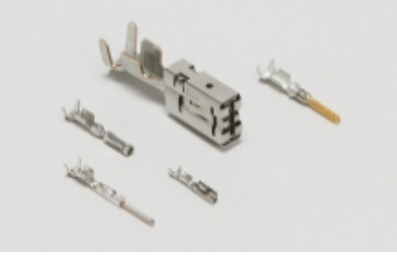
Automotive Connector Locks & Position Assurance(5)



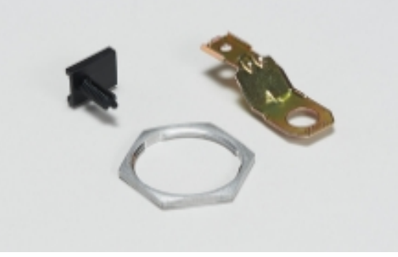
Automotive Housings(193)



Automotive Signal & Power Headers(1)



Automotive Terminals(52)

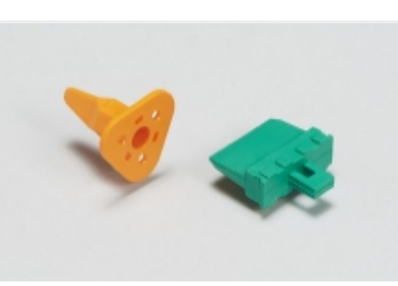


Other Automotive Connector Accessories(1)

Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (1)



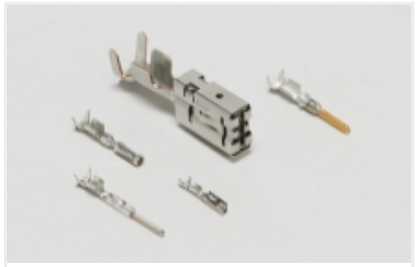
Automotive Connector Locks & Position Assurance(5)



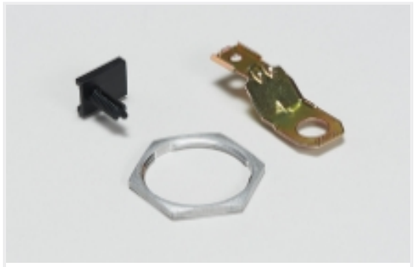
Automotive Housings(193)



Automotive Signal & Power Headers(1)



Automotive Terminals(52)

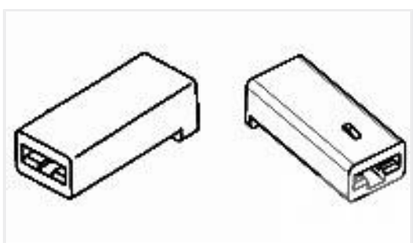


Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #180905
FF 250 REC HSG 1P NYLON NAT



TE Part #CAT-104MTA-PRSMH
PCB Header, Right Angle, Polyester, 2.54 mm



TE Part #CAT-T4827-CH8172
Timer Connector Housing



TE Part #1241396-1
AMP MCP 2.8K, CONTACT, SWS



TE Part #4-1414992-7
V23136A0004X086-EV-CBOX

TE Part #0515-006-7005
PROTECT CVR, 70P, PLG, DRC16

Documents

Product Drawings

AMP MCP 2.8K - REC. HOUSING

English

CAD Files

Customer View Model

ENG_CVM_CVM_1745078-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1745078-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1745078-1_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Interface for Rec. Hsg. 6pos.,JPT

German

Application Specification

German