1-1718628-1 ✔ ACTIVE

AMP MCP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1-1718628-1

12 V / 24 V / 48 V, 4 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5 mm [.196 in] Centerline, Sealable, Black, 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: **4**

Sealable: **Yes**

Operating Temperature Range: **-40 – 120 °C [-40 – 248 °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	On the Terminal
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	12 VDC

Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	2.8mm
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]
Contact Current Rating (Max)	34 A

Mechanical Attachment

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

Housing Features

Housing Material	PA GF
Centerline (Pitch)	5 mm[.196 in]

Dimensions

Product Width	31.75 mm[1.25 in]
Product Length	37.8 mm[1.488 in]
Connector Height	16.6 mm[.654 in]

Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Method	Loose Piece

Packaging Quantity	700

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 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

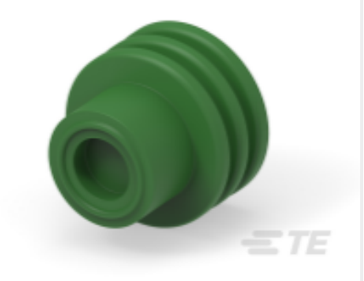
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-AM705-T273
AMP MCP, RECEPTACLE AND TAB

TE Part # 2376669-1
CABLE HARNESS ENT



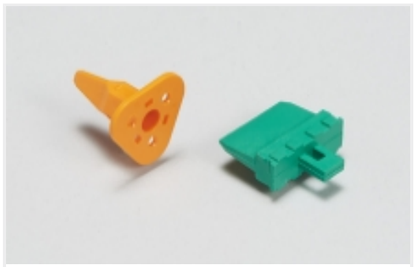
TE Part # 1719043-1
SINGLE WIRE SEAL,GREEN

12 V / 24 V / 48 V, 4 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5 mm [.196 in] Centerline, Sealable, Black, Hybrid

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (1)



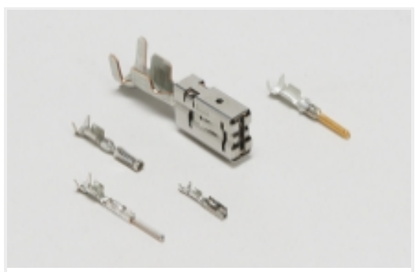
Automotive Connector Locks & Position Assurance(5)



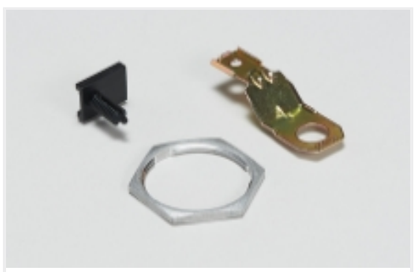
Automotive Housings(193)



Automotive Signal & Power Headers(1)



Automotive Terminals(52)

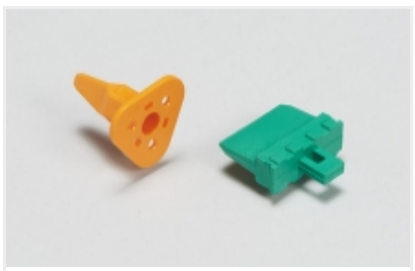


Other Automotive Connector Accessories(1)

Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(5)



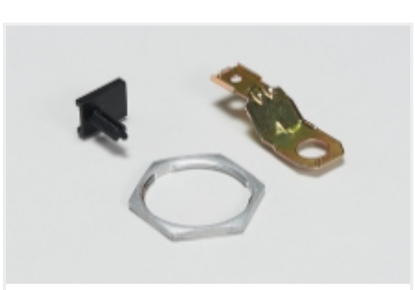
Automotive Housings(193)



Automotive Signal & Power Headers(1)



Automotive Terminals(52)



Other Automotive Connector Accessories(1)

Customers Also Bought

12 V / 24 V / 48 V, 4 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5 mm [.196 in] Centerline, Sealable, Black, Hybrid



TE Part #1-968857-1
AMP MCP 2.8, CONTACT SWS



TE Part #1-2299782-1
8POS,MIXED,REC HSG,ASSY,SLD



TE Part #2377023-2
TAB0.63X0.63,TERMINAL,SWS,CB,REM0.64

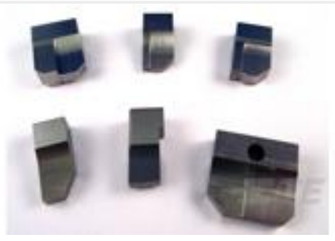


TE Part #2377665-5
SWS,0.64 SERIES,CVTY DIA,3.0-2.6,GRN

TE Part #C1-0020-000-000
TORQUE SCREWDRIVER



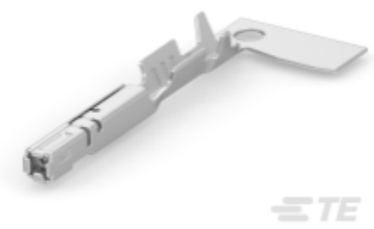
TE Part #653598-5
DRAHTCRIMPER-KP



TE Part #780314-1
ANVIL



TE Part #2385474-1
TAB0.64X0.64,TERMINAL,CB,REM 0.64 UNSEAL



TE Part #2389205-1
0.64 SERIES,TERMINAL,REM 064 UNSEAL REC.

TE Part #2434823-1
MCON 1.2,TERMINAL,CB,SWS,SN

Documents

Product Drawings

AMP MCP 2.8 HSG. 4POS.,ASS'Y

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1718628-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1718628-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1718628-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English