1418994-1 ✔ ACTIVE

AMP | AMP MCP Connector System, AMP MCP 2.8

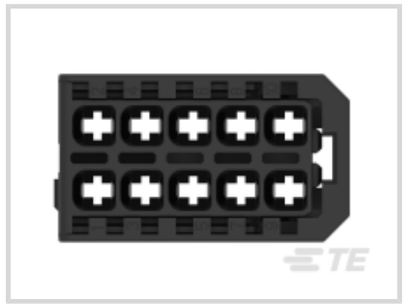
TE Internal #: 1418994-1

12 V / 24 V, 10 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5.5 mm [.217 in] Centerline, Black, Wire & Cable, Power, Hybrid

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > AMP Unsealed Connector Housing




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

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

Number of Positions: **10**

Sealable: **No**

Operating Temperature Range: **-40 – 120 °C [-40 – 248 °F]**

All AMP Unsealed Connector Housing (109)

Features

Product Type Features

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

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	28 VDC

Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	2.8mm
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]
Contact Current Rating (Max)	30 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	PA GF
Centerline (Pitch)	5.5 mm[.217 in]

Dimensions

Row-to-Row Spacing	7.4 mm[.291 in]
Product Width	19.3 mm[.759 in]
Product Length	33.5 mm[1.32 in]
Connector Height	23.6 mm[.929 in]

Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
Operating Temperature (Max)	120 °C[248 °F]

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP30
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	1500
Packaging Method	Box

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	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 # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI



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

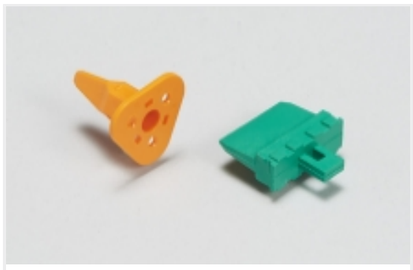


TE Part # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (1)



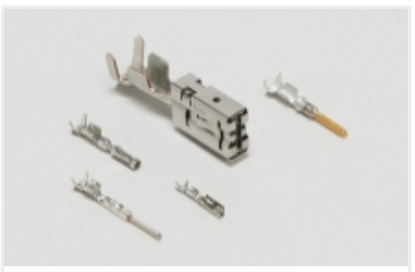
Automotive Connector Locks & Position Assurance(5)



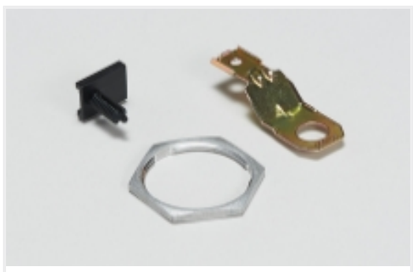
Automotive Housings(193)



Automotive Signal & Power Headers(1)

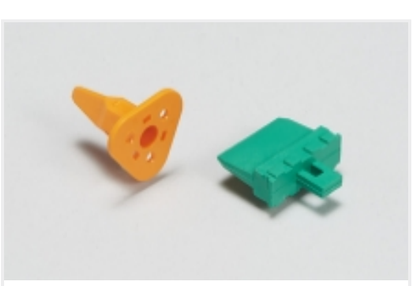


Automotive Terminals(52)



Other Automotive Connector Accessories(1)

Also in the Series | AMP MCP 2.8



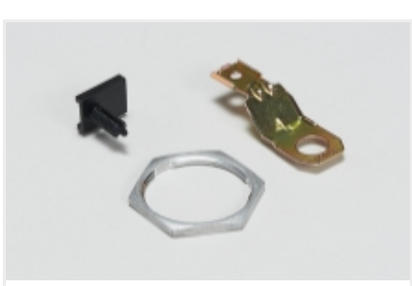
Automotive Connector Locks & Position Assurance(5)



Automotive Housings(193)

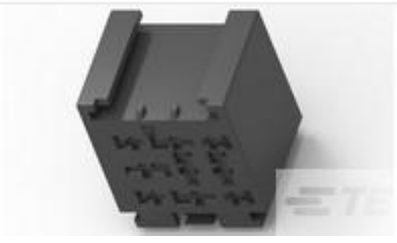


Automotive Seals & Cavity Plugs(2)

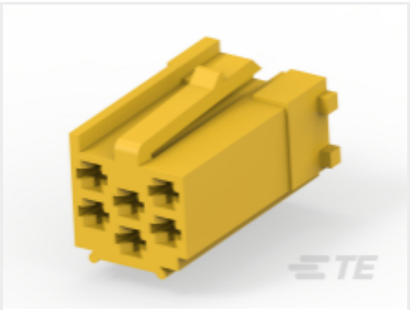


Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #185403-2
MODULAR RELAY HOLDER



TE Part #493576-1
HSG 6P MICRO TIMER



TE Part #2-525450-8
GHW HAND TOOL (56 570 101 757)



TE Part #1-750877-9
100 50SR TERMINATOR COVER



TE Part #1-968849-1
AMP MCP 2.8, CONTACT



TE Part #5-968972-1
AMP MCP 2.8 HSG 12POS. 2.LOCKING



TE Part #1418916-1
MULTI CORE CABLE APAPTER 180 DEGREE



TE Part #1534099-1
MQS COVER 2X10P



TE Part #5749069-9
100 50SR VERT RCPT ASSYY



TE Part #936124-2
14POS MQS REC

Documents

Product Drawings

AMP MCP 2.8 HSG.WITH SEC.10POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1418994-1_B_c-1418994-1-b.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1418994-1_B_c-1418994-1-b.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1418994-1_B_c-1418994-1-b.3d_stp.zip

English

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

Product Specifications

HOUSINGS FOR AMP MCP2.8 CONTACT, UNSEALED

English

Application Specification

English