

1452299-1 ✓ ACTIVE

AMP | AMP MCP 1.5K, AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1452299-1

Housing for Female Terminals, Wire-to-Wire / Wire-to-Board, 12

Position, .224 in / .228 in / .264 in [5.8 mm / 6.7 mm / 5.7 mm]

Centerline, Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > AMP MCP Unsealed Connector Housings



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

Mating Tab Width: **1.5 mm, 2.8 mm** [.06 in, .11 in]

Connector System: **Wire-to-Board, Wire-to-Wire**

Number of Positions: **12**

Centerline (Pitch): **5.7 mm, 5.8 mm, 6.7 mm** [.224 in, .228 in, .264 in]

[All AMP MCP Unsealed Connector Housings \(195\)](#)

Features

Product Type Features

Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	Yes
Hybrid Connector	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	14 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

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



Contact Features

Contact Size	1.5mm, 2.8mm
Contact Type	Receptacle
Mating Tab Width	1.5 mm, 2.8 mm [.06 in][.11 in]
Contact Current Rating (Max)	15 A, 30 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	5.7 mm, 5.8 mm, 6.7 mm [.224 in][.228 in][.264 in]

Dimensions

Connector Height	34.2 mm [1.346 in]
Product Width	35.8 mm [1.409 in]
Product Length	36.1 mm [1.421 in]
Row-to-Row Spacing	4.5 mm [.177 in]

Usage Conditions

Operating Temperature (Max)	125 °C [257 °F]
Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]

Operation/Application

Circuit Application	Power & Signal
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Packaging Features

Packaging Quantity	56
Packaging Method	Box & Tray

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 2023 (235) Candidate List Declared Against: JUN 2016 (169) 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



Also in the Series | **AMP MCP 1.5K**



Automotive Connector Caps & Covers (1)



Automotive Housings(104)



Automotive Terminals(3)

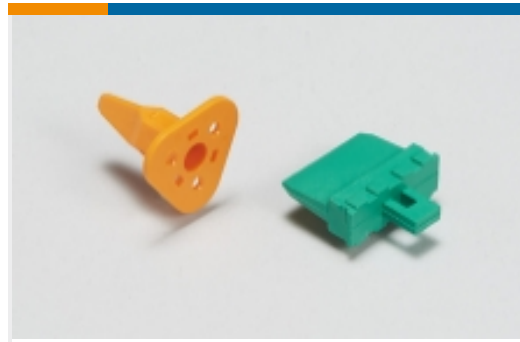


Insertion & Extraction Tools(1)

Also in the Series | **AMP MCP 2.8**



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(6)



Automotive Housings(183)



Automotive Terminals(10)



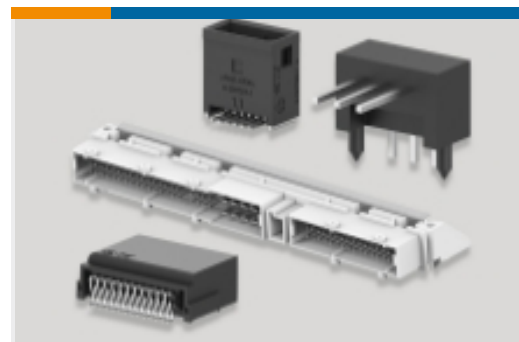
Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(6)



Module Components(1)

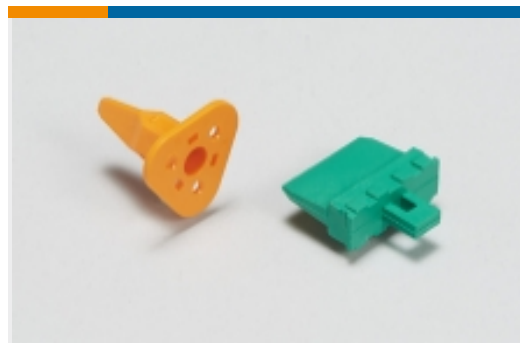


PCB Headers & Receptacles(1)

Also in the Series | **AMP MCP Connector System**



Automotive Connector Caps & Covers (25)



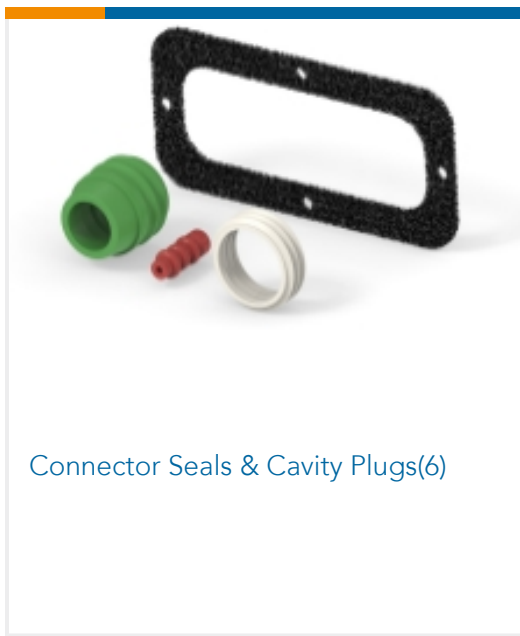
Automotive Connector Locks & Position Assurance(7)



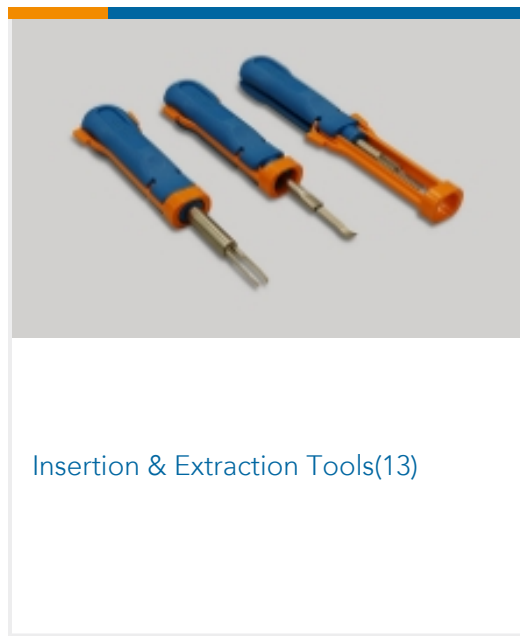
Automotive Housings(360)



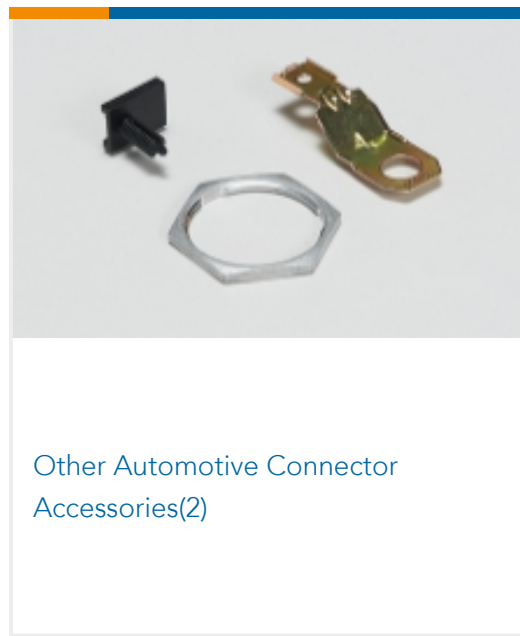
Automotive Terminals(135)



Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(30)

Customers Also Bought



TE Part #2371035-1
3POS,DIA 4MM,SOC HSG ASSY,SLD, COD A



TE Part #2371245-3
SOC CONN CVR,3POS,DIA 4MM,ICT CVE



TE Part #1-1326031-0
2.8MM BLD,SEAL,14AWG,REV REEL



TE Part #1452303-2
INL:R.BUM.MAL HSG12



TE Part #2278586-1
67 POS COVER ASSY TYPE180



TE Part #2278584-1
67 POS,MIXED,REC HSG,ASSY, SEALED TYPE180



TE Part #1-2236343-1
3POS, MCON 1.2 LL REC SEALED



TE Part #2400820-1
2POS,PCON18,REC OUTER HSG ASSY,90DEG



TE Part #2400920-2
CAB TIE,CLIP,50MM2



TE Part #6-1437839-9
108788=RR LAMP RETAINER, BLK

Documents

Product Drawings

[FEM HSG INLI.ASY12P](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_1452299-1_G.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_1452299-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1452299-1_G.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English