

1452303-1 ✓ ACTIVE

[AMP](#) | [AMP MCP 1.5K](#), [AMP MCP 2.8](#), [AMP MCP Connector System](#)

TE Internal #: 1452303-1

Housing for Male Terminals, Wire-to-Board / Wire-to-Wire, 12 Position, .224 in / .264 in [5.7 mm / 6.7 mm] Centerline, Sealable, Black, Hybrid

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[Connectors](#) > [Automotive Connectors](#) > [Automotive Housings](#) > [AMP MCP Unsealed Connector Housings](#)



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

Number of Positions: **12**

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

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

Sealable: **Yes**

[All AMP MCP Unsealed Connector Housings \(191\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	14 VDC
Nominal Voltage Architecture	12 V, 14 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	Tab
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, 6.7 mm [.224 in][.264 in]

Dimensions

Connector Height	29.55 mm [1.163 in]
Product Width	45.9 mm [1.807 in]
Product Length	31.8 mm [1.252 in]
Row-to-Row Spacing	4.5 mm [.177 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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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
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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: JUNE 2023 (235) 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-CH8173
AMP MCP Unsealed Connector Housings

TE Part # 1452304-1
INL:R.BUM.MAL HSG12



TE Part # 1-1670400-1
12 POS MIXED RECEPTACLE HOUSING CODA




TE Part # 1-1670400-2
12 POS MIXED RECEPTACLE HOUSING CODA

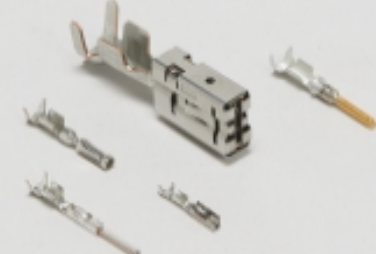
Also in the Series | AMP MCP 1.5K




Automotive Connector Caps & Covers (1)



Automotive Housings(94)



Automotive Terminals(3)

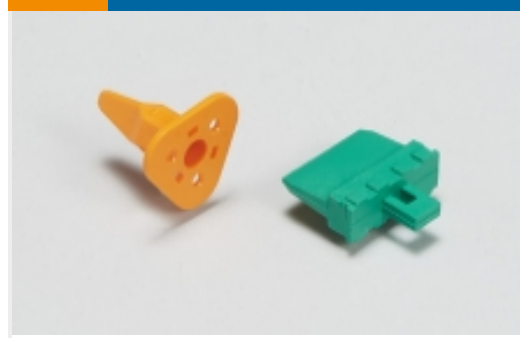


Insertion & Extraction Tools(1)

Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance (5)



Automotive Housings (167)



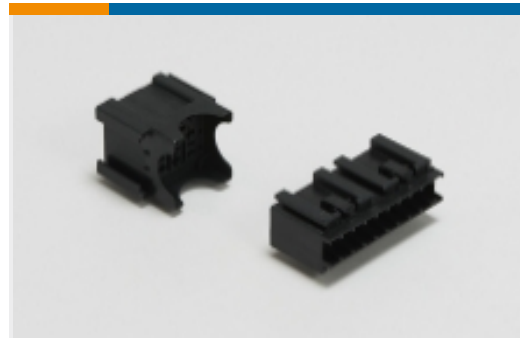
Automotive Terminals (9)



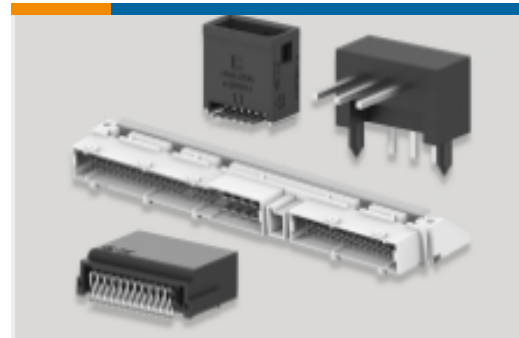
Connector Seals & Cavity Plugs (1)



Insertion & Extraction Tools (6)



Module Components (1)

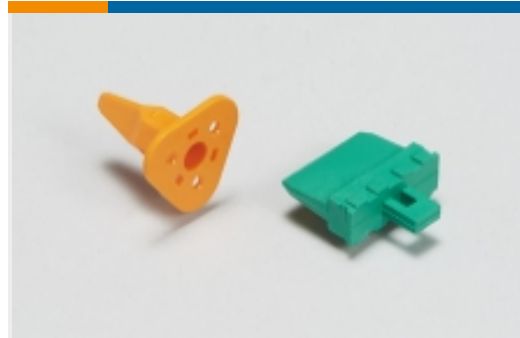


PCB Headers & Receptacles (1)

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (23)



Automotive Connector Locks & Position Assurance (6)



Automotive Housings (332)



Automotive Terminals (129)



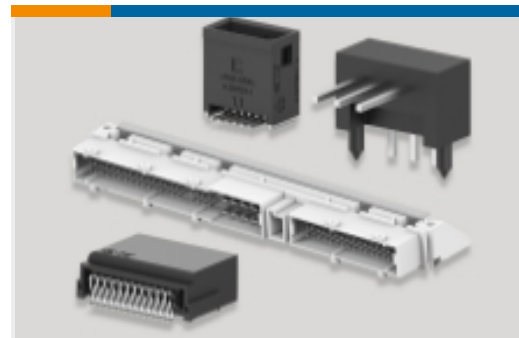
Connector Seals & Cavity Plugs (7)



Insertion & Extraction Tools (13)



Other Automotive Connector Accessories (2)



PCB Headers & Receptacles (28)

Customers Also Bought



Documents

Product Drawings

[INL:R.BUM.MAL HSG12](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1452303-1_E.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1452303-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1452303-1_E.3d_stp.zip](#)

English

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Product Specifications

1452303-1

Housing for Male Terminals, Wire-to-Board / Wire-to-Wire, 12 Position, .224 in / .264 in [5.7 mm / 6.7 mm] Centerline, Sealable, Black, Hybrid



Application Specification

English