

1718489-1 ✓ ACTIVE

AMP | AMP MCP 1.5K, AMP MCP Connector System

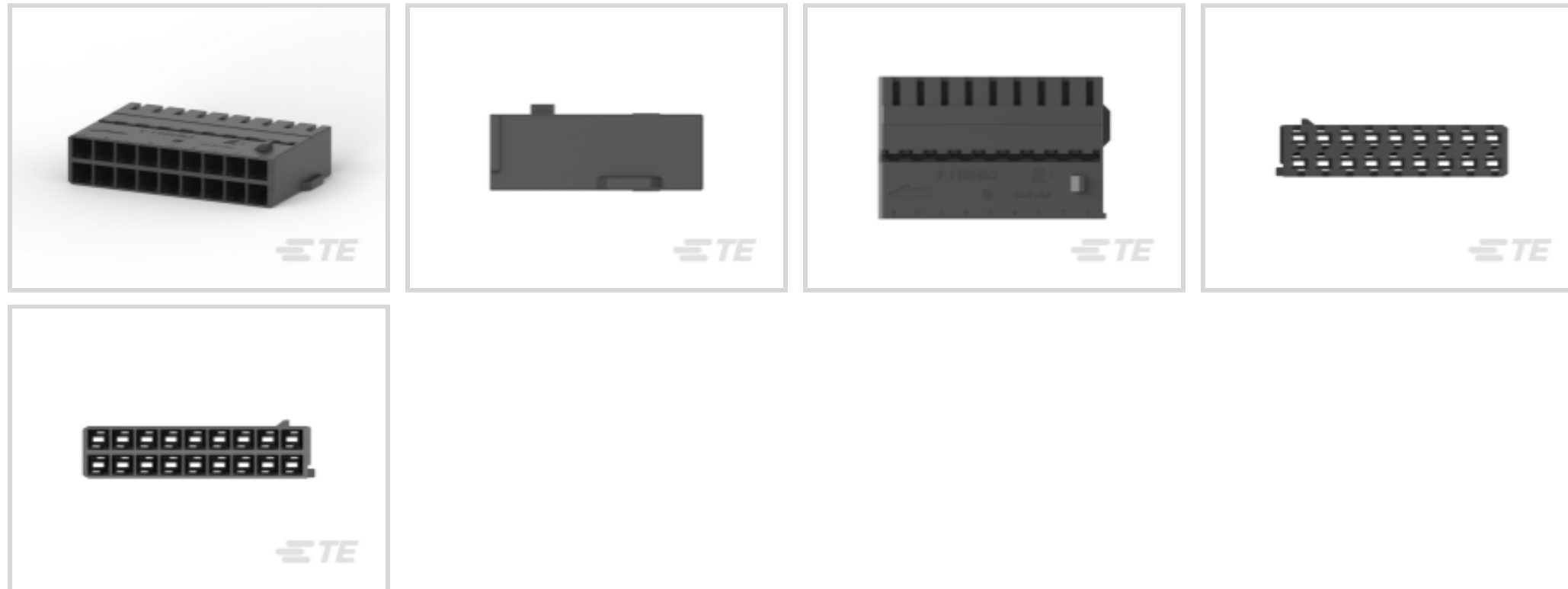
TE Internal #: 1718489-1

Housing for Female Terminals, Wire-to-Wire / Wire-to-Board / Wire-to-Device, 18 Position, .157 in [4 mm] Centerline, Black, Signal, Hybrid

[View on TE.com >](#)



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



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

Number of Positions: **18**

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

Centerline (Pitch): **4 mm [.157 in]**

Sealable: **No**

[All AMP MCP Unsealed Connector Housings \(197\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Device, Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	18
Number of Rows	2

Electrical Characteristics

Operating Voltage	36 VDC
Nominal Voltage Architecture	12 V, 24 V



Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	1.5K
Contact Type	Receptacle
Mating Tab Width	1.6 mm[.063 in]

Mechanical Attachment

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

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Connector Height	9.5 mm[.374 in]
Product Width	23.5 mm[.925 in]
Product Length	38.4 mm[1.512 in]
Row-to-Row Spacing	3.5 mm[.138 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	Signal
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Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

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Packaging Quantity	1500
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Packaging Method	Box
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Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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-M4599-B128
AMP MCP Backshells



TE Part # CAT-AM705-CH8173
AMP MCP Unsealed Connector Housings



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



TE Part # 1-1718492-4
1.5MM TAB HSG 36 POS ASSY



TE Part # 1-1670615-1
36POS,MIXED,HEADER ASSY,CONV. KIT 25POS



TE Part # 1-1718492-3
1.5MM TAB HSG 36 POS ASSY



TE Part # 1-1670615-2
36POS,MIXED,HEADER ASSY,CONV. KIT 25POS



TE Part # 1-1718492-5
1.5MM TAB HSG 36 POS ASSY



TE Part # 1-2112891-5
36POS,TAB 1.5X0.6,TAB HSG,ASSY



TE Part # 1-2112891-6
36POS,TAB 1.5X0.6,TAB HSG,ASSY



TE Part # 1-2141847-4
CARRIER,RECEPTACLE HSG, 36POS, ASSY



TE Part # 2-1670615-1
36POS,MIXED,HEADER ASSY,CONV. KIT 25POS




TE Part # 2-1670615-2
36POS,MIXED,HEADER ASSY,CONV. KIT 25POS

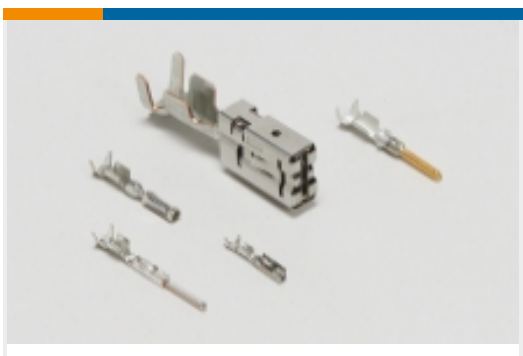
Also in the Series | **AMP MCP 1.5K**




Automotive Connector Caps & Covers (1)



Automotive Housings(104)



Automotive Terminals(3)

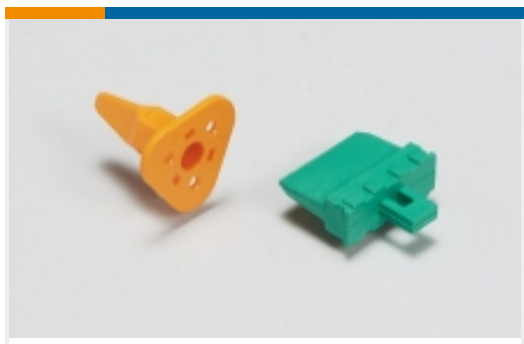


Insertion & Extraction Tools(1)

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



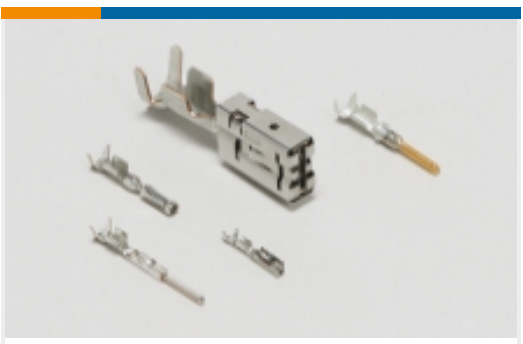
Automotive Connector Caps & Covers (25)



Automotive Connector Locks & Position Assurance(7)



Automotive Housings(360)



Automotive Terminals(135)



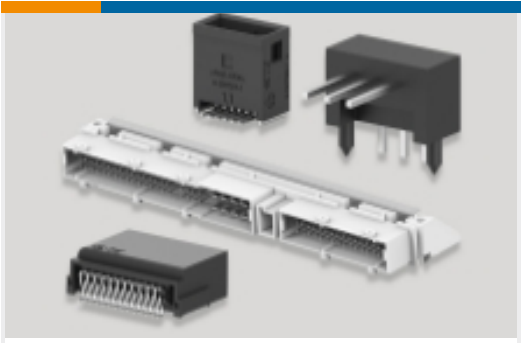
Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(13)

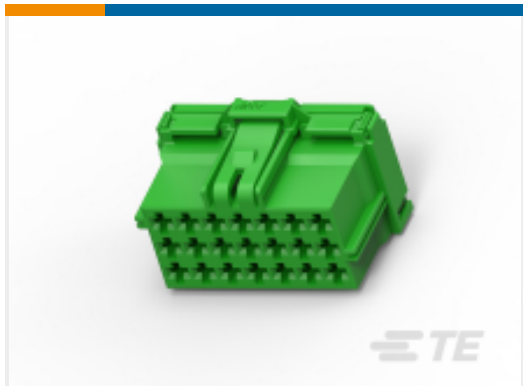


Other Automotive Connector Accessories(3)

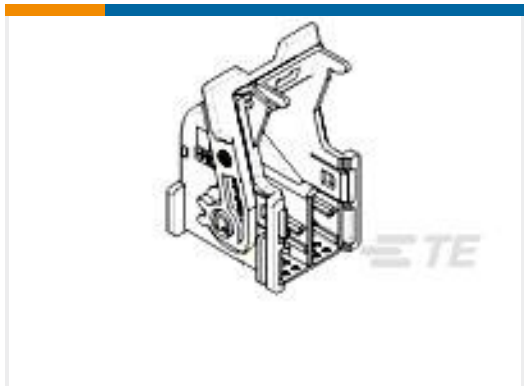


PCB Headers & Receptacles(30)

Customers Also Bought



TE Part #8-968972-1
AMP MCP Unsealed Connector Housings



TE Part #953122-3
40W MQS COVER ASSY (15D)



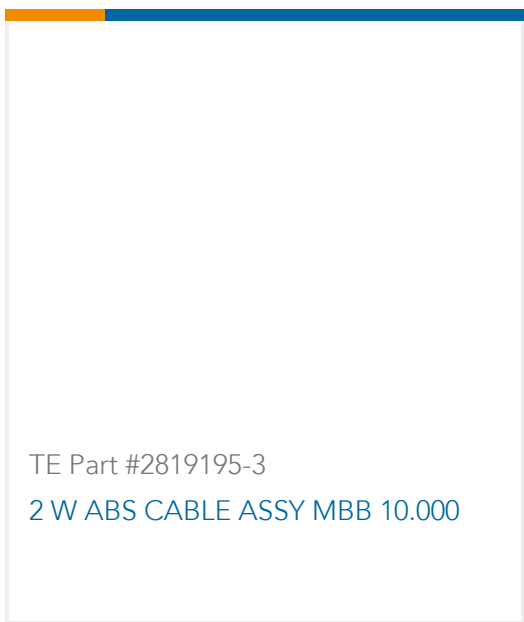
TE Part #1-1718485-3
AMP MCP Backshells



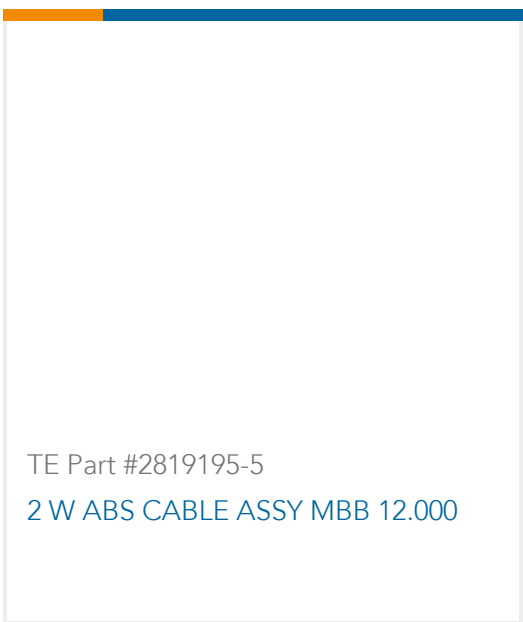
TE Part #1SNA179466R0600
OUMAD



TE Part #1-2819196-8
3 W ABS CABLE ASSY MBB 9.000



TE Part #2819195-3
2 W ABS CABLE ASSY MBB 10.000



TE Part #2819195-5
2 W ABS CABLE ASSY MBB 12.000

Documents

Product Drawings

[AMP MCP 1.5 RECEPT HSG 18 POS](#)

English

CAD Files

Customer View Model

[ENG_CVM_1718489-1_A1.3d_igs.zip](#)

English

Customer View Model



[ENG_CVM_1718489-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1718489-1_A1.2d_dxf.zip](#)

English

3D PDF

English

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Product Specifications

Application Specification

German