

4-1418506-2 ✓ ACTIVE

AMP | AMP MCP 6.3/4.8K, AMP MCP Connector System

TE Internal #: 4-1418506-2

Housing for Female Terminals, Wire-to-Wire, 2 Position, .314 in [8 mm] Centerline, Gray, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid

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



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

Mating Tab Width: **6.3 mm [.248 in]**

Connector System: **Wire-to-Wire**

Number of Positions: **2**

Centerline (Pitch): **8 mm [.314 in]**

[All AMP MCP Unsealed Connector Housings \(187\)](#)

Features

Product Type Features

Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	No
Hybrid Connector	No
Primary Locking Feature	On the Terminal
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	36 VDC
Nominal Voltage Architecture	36 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray
Connector & Keying Code	D



Contact Features

Contact Size	6.3mm
Contact Type	Receptacle
Mating Tab Width	6.3 mm [.248 in]
Contact Current Rating (Max)	55 A

Mechanical Attachment

Terminal Position Assurance	Yes
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)	8 mm [.314 in]

Dimensions

Connector Height	24 mm [.945 in]
Product Width	13.8 mm [.543 in]
Product Length	16.8 mm [.661 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

Agency/Standard	DIN IEC 512
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Packaging Features

Packaging Quantity	1000
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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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

 <p>TE Part # 1241408-1 AMP MCP 6.3/4.8K, CONTACT</p>	 <p>TE Part # CAT-AM705-CH8173 AMP MCP Unsealed Connector Housings</p>	 <p>TE Part # 4-1718353-2 2 POS TAB HSG 5.8x0.8MM</p>	 <p>TE Part # 1-927766-1 JPT REC 2.8 Contact SWS Au</p>
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Also in the Series | [AMP MCP 6.3/4.8K](#)



Automotive Housings(12)



Automotive Seals & Cavity Plugs(2)

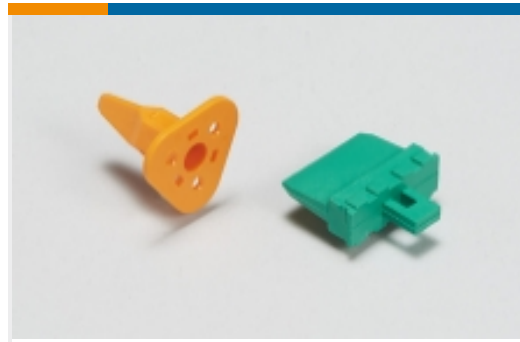


Automotive Terminals(5)

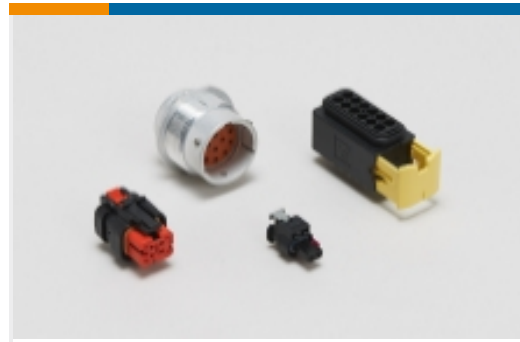
Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(7)



Automotive Housings(352)



Automotive Seals & Cavity Plugs(6)



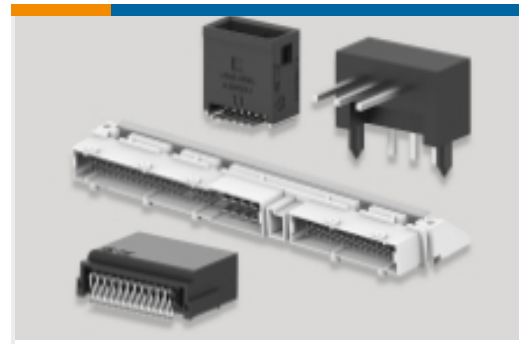
Automotive Terminals(125)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(29)

Customers Also Bought



TE Part #DT06-08SA-CE06
PLG, 8P, GRY, E, SEAL RET, A



TE Part #776427-4
AMPSEAL 16 Housings



TE Part #1-1564514-1
Heavy Duty Sealed Connector Series
Housings



TE Part #1-2112035-1
26POS, MIXED, REC HSG, ASSY,
SEALED



TE Part #YHDP24-24-31PEL024
DEUTSCH HDP20 HOUSINGS



TE Part #33115
TERMINAL, SOLIS R 4 5/16



TE Part #1-1904045-6
V23333Z0001B046-EV-100



Documents

Product Drawings

MCP6,3 RECEPTACLE HOUSING 2POS

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_4-1418506-2_A_c-4-1418506-2-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1418506-2_A_c-4-1418506-2-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1418506-2_A_c-4-1418506-2-a.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English