

1241402-1 ✓ ACTIVE

AMP | AMP MCP Connector System

TE Internal #: 1241402-1

Automotive Terminals, Receptacle, Mating Tab Width 6.3 mm / 4.8 mm / 5.8 mm [.248 in / .228 in / .189 in], AMP MCP Connector System

[View on TE.com >](#)



Terminals & Splices > Automotive Terminals > AMP MCP, RECEPTACLE AND TAB



Terminal Type: **Receptacle**

Mating Tab Width: 4.8 mm, 5.8 mm, 6.3 mm [.189 in, .228 in, .248 in]

Mating Tab Thickness: .8 mm [.031 in]

Terminal Transmits: 0 – 24 A (Low Power)

Wire Size: 20 – 17 AWG

[All AMP MCP, RECEPTACLE AND TAB \(129\)](#)

Features

Product Type Features

Receptacle Style	180°
Sealable	No
Primary Locking Feature	Locking Lance

Contact Features

Contact Size	4.8mm, 6.3mm
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Typical Current Rating	17 A
Crimp Type	F-Crimp
Terminal Type	Receptacle
Mating Tab Width	4.8 mm, 5.8 mm, 6.3 mm [.189 in][.228 in][.248 in]
Mating Tab Thickness	.8 mm [.031 in]
Interface Plating	Tin (Sn)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire



Dimensions

Compatible Insulation Diameter Range	1.4 – 2.1 mm [.055 – .083 in]
Wire Size	.5 – 1 mm ²
Wire Size Search	17 AWG, 18 AWG, 19 AWG, 20 AWG

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C [176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F]
Operating Temperature Range	-40 – 130 °C [-40 – 266 °F]

Operation/Application

Conforms to KOMAX Automatic Component Insertion Guideline	Yes, per Version 5.0 (March 2018)
Compatible With Wire Base Material	Copper

Industry Standards

Agency/Standard	LV214
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Packaging Features

Packaging Quantity	1800
Packaging Method	Reel

Other

Terminal Transmits	0 – 24 A (Low Power)
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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: JUNE 2023 (235) 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 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-H3399-CH8172
Heavy Duty Sealed Connector Series Housings



TE Part # 1-1579007-3
EXTRACTION TOOL



TE Part # 2177018-1
SINGLE WIRE SEAL,AMP MCP6.3/4.8K, YW



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



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



TE Part # 1740723-3
FASTON 250 TAB ACTION PIN TPPBR



TE Part # CAT-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING



TE Part # 2109193-1
025/060/250 HYB LIF 41P PLUG A



TE Part # 2151190-1
OCEAN_2.0_APPLICATOR-S-080F110OV



TE Part # 2151190-2
OCEAN_2.0_APPLICATOR-S-080F110OV



TE Part # 2837618-1
OCEAN_2.0_Applicator-S-078SP122SP



TE Part # 7-2151190-1
OCEAN_2.0_APPLICATOR-S-080F110OV




TE Part # 7-2151190-2
OCEAN_2.0_APPLICATOR-S-080F110OV



KIT
REPRESENTATION ONLY

TE Part # 7-2151190-7
OCEAN_2.0_SPARE_PART_KIT-080F110OV



KIT
REPRESENTATION ONLY

TE Part # 7-2837618-7
OCEAN_2.0_SPARE_PART_KIT-078SP122SP



TE Part # 2-2151190-1
OCEAN_2.0_APPLICATOR-S-080F110OV



TE Part # 2-2151190-2
OCEAN_2.0_APPLICATOR-S-080F110OV

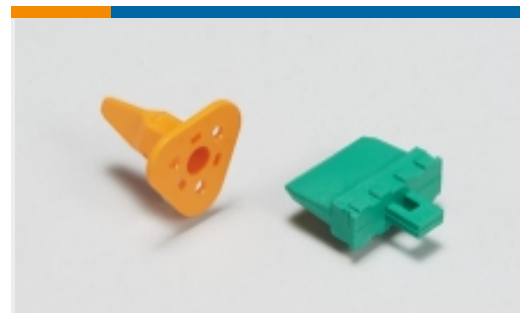
TE Part # 2394300-1
EXTRACTION TOOL

TE Part # 2837618-2
OCEAN_2.0_Applicator-S-078SP122SP


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 (7)



Insertion & Extraction Tools (13)



Other Automotive Connector Accessories (2)



PCB Headers & Receptacles (30)

Customers Also Bought



TE Part #1746865-1
0.64III/2.3II 30POS PLUG ASSY



TE Part #1241374-2
AMP MCP 1.5K, CONTACT



TE Part #7-1452665-1
MCON Receptacle and Tab



TE Part #1563125-1
10POS, MIXED,TAB HSG



Documents

Product Drawings

[AMP MCP 6.3/4.8K, CONTACT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1241402-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1241402-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1241402-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

German

[Application Specification](#)

English