

1241412-1 ✓ ACTIVE

AMP | AMP MCP Connector System

TE Internal #: 1241412-1

Automotive Terminals, Receptacle, Mating Tab Width 6.3 mm / 5.8 mm / 4.8 mm [.248 in / .189 in / .228 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	Yes
Primary Locking Feature	Locking Lance

Body Features

Terminal Seal Type	Single Wire Seal (SWS)
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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
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Product Terminates To	Wire
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Dimensions

Compatible Insulation Diameter Range	1.4 – 2.7 mm [.055 – .106 in]
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Wire Size	.5 – 1 mm ²
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Wire Size Search	17 AWG, 18 AWG, 19 AWG, 20 AWG
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Usage Conditions

Insulation Option	Uninsulated
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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]
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Operating Temperature Range	-40 – 130 °C [-40 – 266 °F]
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Operation/Application

Compatible With Wire Base Material	Copper
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Industry Standards

Agency/Standard	LV214
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Packaging Features

Packaging Quantity	1500
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Packaging Method	Reel
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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
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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
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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-L489-CH8172
LEAVYSEAL Housings



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-T4827-T273
TIMER, RECEPTACLE AND TAB



TE Part # CAT-AM705-CH8172
AMP MCP, SEALED CONNECTOR HOUSING



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




TE Part # 2301462-1
30POS, HYBRID, REC HSG ASSY, SLD, COD A



TE Part # 1394511-1
EINZELLEITDICHTG, WS



TE Part # 1-2344950-1
95POS, HYBRID, REC HSG, ASSY, COD A



TE Part # 2-2151234-2
OCEAN_2.0_APPLICATOR-S-080F250O



TE Part # 2-2344950-1
95POS, HYBRID, REC HSG, ASSY, COD B



TE Part # 2151234-2
OCEAN_2.0_APPLICATOR-S-080F2500



TE Part # 5-2151234-2
OCEAN_2.0_APPLICATOR-S-080F2500



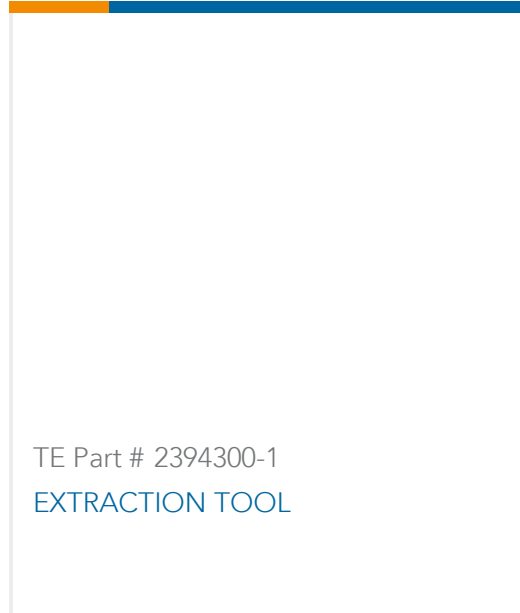
TE Part # 7-2151234-2
OCEAN_2.0_APPLICATOR-S-080F2500



TE Part # 7-2151234-7
OCEAN_2.0_SPARE_PART_KIT-080F2500



TE Part # 7-2266632-7
OC-080F2500-CRIMP TOOLING KIT



TE Part # 2394300-1
EXTRACTION TOOL

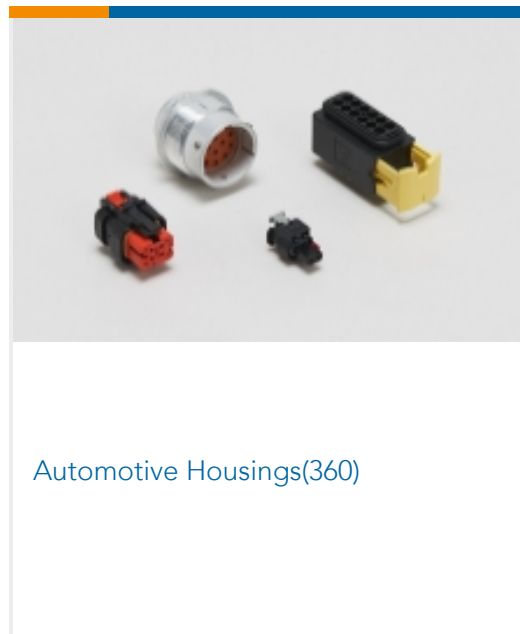
Also in the Series | AMP MCP Connector System



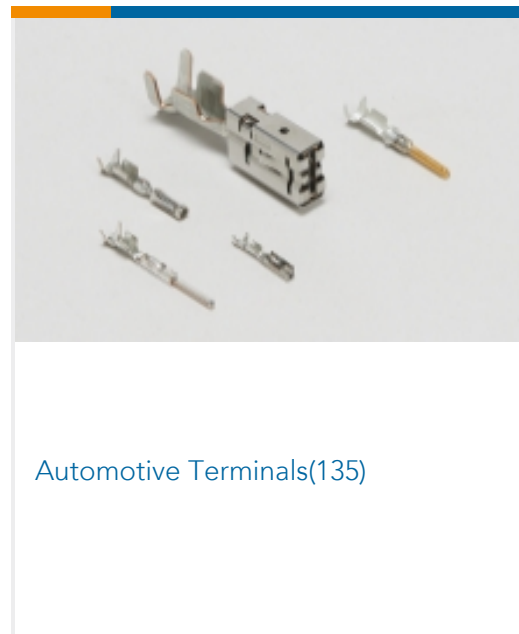
Automotive Connector Caps & Covers (25)



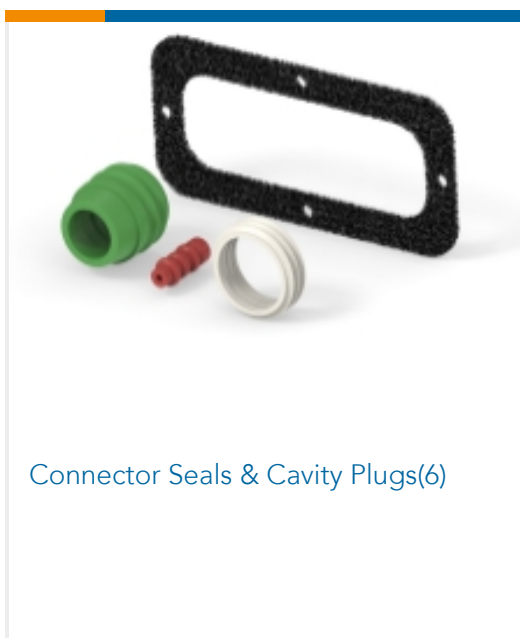
Automotive Connector Locks & Position Assurance (7)



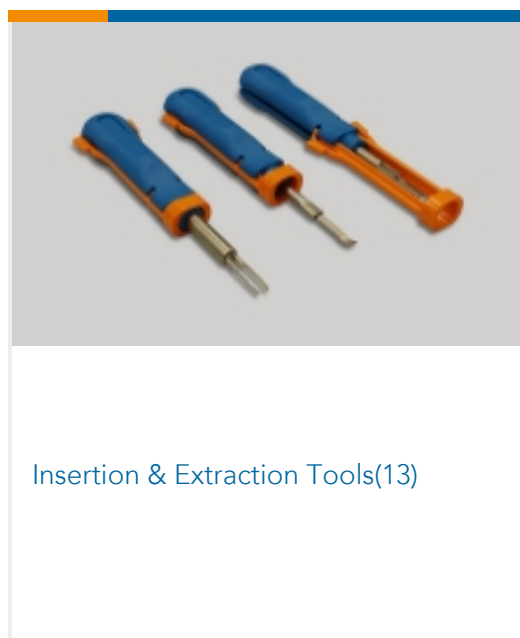
Automotive Housings (360)



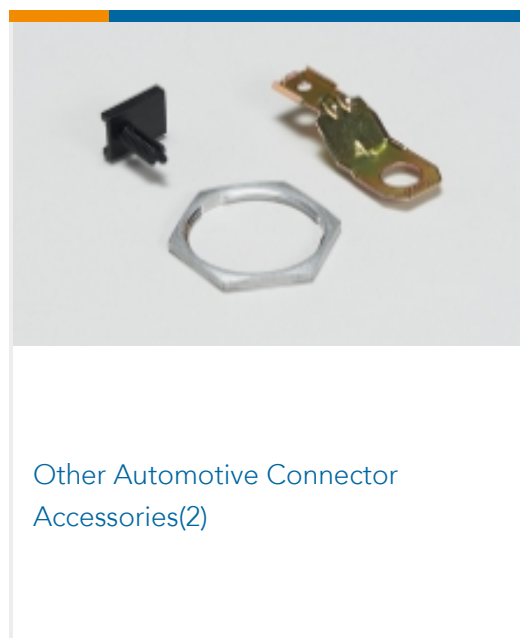
Automotive Terminals (135)



Connector Seals & Cavity Plugs (6)



Insertion & Extraction Tools (13)



Other Automotive Connector Accessories (2)



PCB Headers & Receptacles (30)

Customers Also Bought



TE Part # 1823111-1
SINGLE WIRE SEAL, FOR WIRE 2.5 SQMM, BN



TE Part # 1241402-3
AMP MCP 6.3/4.8K, CONTACT



TE Part # 1394139-1
8POS MQS REC



TE Part # 2141824-1
MQS0,63 Sn rec LL unseal. 0,13-0,17



Documents

Product Drawings

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

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1241412-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1241412-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1241412-1_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[HDSCS Catalog](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

German



Application Specification

English