1241416-3 ✔ ACTIVE

AMP | AMP MCP Connector System

TE Internal #: 1241416-3

Automotive Terminals, Receptacle, Mating Tab Width 6.3 mm / 4.8 mm / 5.8 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: **25 - 40 A (Power)**

Wire Size: **12 - 11 AWG**

All AMP MCP, RECEPTACLE AND TAB (109)

Features

Product Type Features

Receptacle Style	180°
Sealable	Yes
Primary Locking Feature	Locking Lance

Body Features

Terminal Seal Type	Single Wire Seal (SWS)

Contact Features

Contact Size	4.8mm, 6.3mm
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Typical Current Rating	30 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	Silver (Ag)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Compatible Insulation Diameter Range	3.4 - 4.4 mm[.132 - .172 in]
Wire Size	3 - 4 mm²
Wire Size Search	11 AWG, 12 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, 140 °C[176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F]
Operating Temperature Range	-40 - 140 °C[-40 - 284 °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

Compatible With Agency/Standards Products	LV214

Packaging Features

Packaging Quantity	1500
Packaging Method	Reel

Other

Terminal Transmits	25 - 40 A (Power)

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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



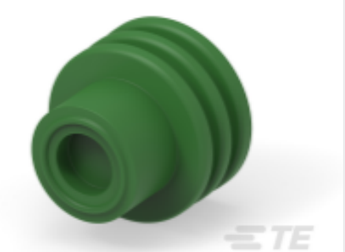
TE Part # CAT-H3399-CH8172
Heavy Duty Sealed Connector Series Housings



TE Part # CAT-L489-CH8172
LEAVYSEAL Housings



TE Part # 1-1579007-3
EXTRACTION TOOL



TE Part # 1719043-1
SINGLE WIRE SEAL,GREEN



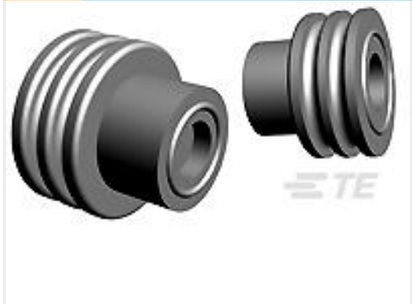
TE Part # CAT-M8793-CH8172
MQS, CONNECTOR HOUSING



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



TE Part # 2151151-2
OCEAN_2.0_APPLICATOR-S-130F270OV-RSA



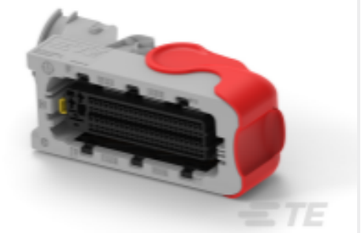
TE Part # 1394512-1
EINZELLEITDICHTG,BL



TE Part # 1-2278915-4
EPB4 30WAY ASSEMBLY PARTS



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



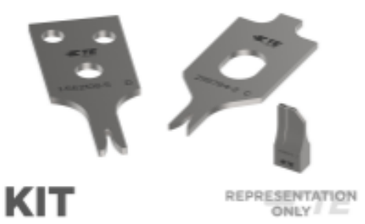
TE Part # 2-2344950-1
95POS, HYBRID, REC HSG, ASSY, COD B



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



TE Part # 2837453-2
APPLICATOR TO MAKE LOOSE PIECE TERMINALS



TE Part # 7-2151151-7
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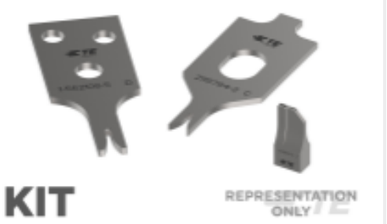
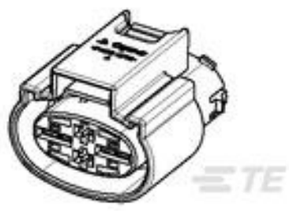


TE Part # 7-2837453-7
TOOLING KIT TO MAKE LOOSE PIECE TERMINAL

TE Part # 2-2208685-6
31POS, MIXED,REC HSG,ASSY



TE Part # 1897210-1
MCP HYB 4P PLUG ASSY

TE Part # 2394300-1
EXTRACTION TOOL

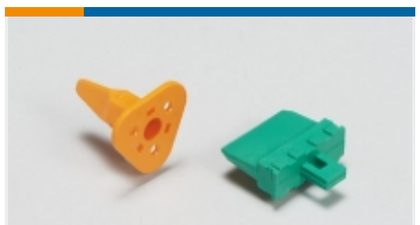


TE Part # 1241417-3
MCP6.3/4.8K

Also in the Series | AMP MCP Connector System



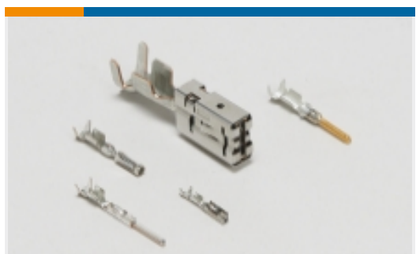
Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(4)



Automotive Housings(291)



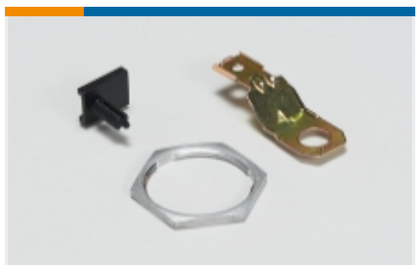
Automotive Terminals(110)



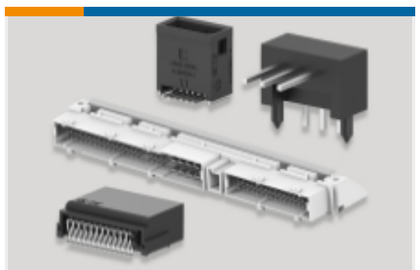
Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(28)

Customers Also Bought



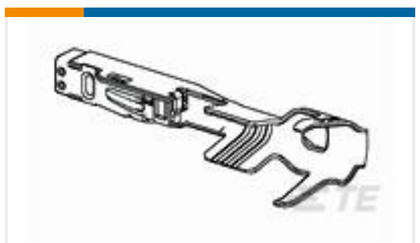
TE Part # 928909-2
PL 250 REC TERMINAL 24-20 AWG TPBR



TE Part # 1241406-3
AMP MCP 6.3/4.8K, CONTACT



TE Part # 1-962919-2
TIMER, RECEPTACLE AND TAB



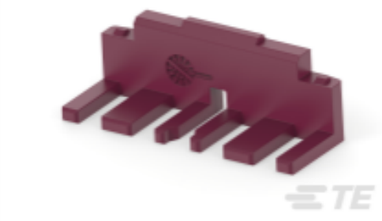
TE Part # 2141970-1
MCON 1.2 LL REC SWS SN



TE Part # 1862029-5
SPT REC 6.3 Contact SRC Ag



TE Part # 2-1803019-7
CRIMPER, INSULATION O



TE Part # 2208833-1
RETAINER, FOR NANOMQS



TE Part # 318059-4
FLOATING SHEAR



TE Part # 4-1633713-6
CRIMPER, WIRE PREMIUM

Documents

Product Drawings

AMP MCP 6.3/4.8K, CONTACT, SWS

English

AMP MCP 6.3/4.8K, CONTACT, SWS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1241416-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1241416-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1241416-3_A.3d_stp.zip

English

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Datasheets & Catalog Pages

HDSCS Catalog

English

CONNECTOR SELECTOR

English

Product Specifications

Engineering Specification

English

Engineering Specification

English