



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



Terminal Type: **Receptacle**
Mating Tab Width: **2.8 mm** [.11 in]
Mating Tab Thickness: **.6 mm** [.024 in, .031 in]
Terminal Transmits: **0 – 24 A (Low Power)**
Wire Size: **17 – 13 AWG**

[All AMP MCP, RECEPTACLE AND TAB \(109\)](#)

Features

Product Type Features

Receptacle Style	180°
Sealable	No
Primary Locking Feature	Locking Lance

Contact Features

Contact Size	2.8K
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Typical Current Rating	22 A
Crimp Type	F-Crimp
Terminal Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]
Mating Tab Thickness	.6 mm[.024 in][.031 in]
Interface Plating	Tin (Sn)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions



Compatible Insulation Diameter Range	2.2 – 2.4 mm[.087 – .118 in]
Wire Size	1 – 2.5 mm²
Wire Size Search	13 AWG, 14 AWG, 15 AWG, 16 AWG, 17 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 Automation Guideline	Yes, KOMAX Automatic Component Insertion per Version 5.0 (March 2018)
Compatible With Wire Base Material	Copper

Packaging Features

Packaging Quantity	3500
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>

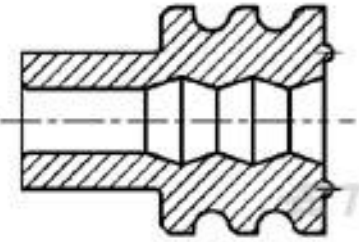
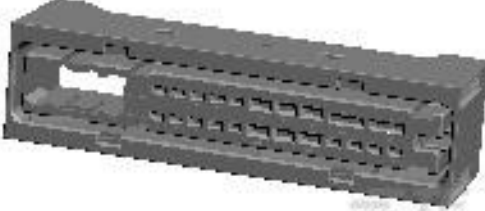
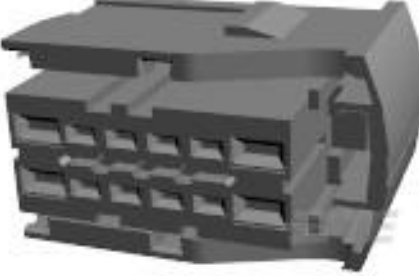
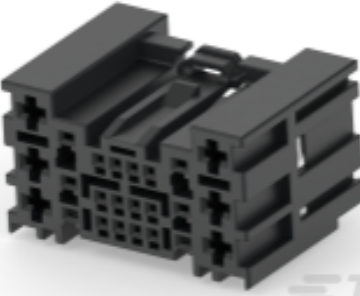
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # 963293-1 SEALING F JPT+2,8	 TE Part # 963292-1 WIRE SEALING 2,2	 TE Part # 1-1563331-1 10POS MIXED MQS REC COD A	 TE Part # 1897543-2 22POS MIXED MQS REC
 TE Part # 2109340-2 025/060/110 DOOR 50P PLUG ASSY	 TE Part # 2151062-1 OCEAN_2.0_APPLICATOR-S-100F140OV-RSM	 TE Part # 1534180-1 MCP REC HSG ASSY32P	 TE Part # 284853-2 12 POS FEMALE CONNECTOR ASS'Y
 TE Part # 2208746-1 28POS MQS REC	 TE Part # 284853-3 12 POS FEMALE CONNECTOR ASS'Y	 TE Part # 1563123-2 10POS, MIXED,REC HSG	 TE Part # 1745032-1 2 POS. MCP2.8 CONNECTOR FOR IGNITION KEY
 TE Part # 2112668-1 23POS MIXED MQS REC	 TE Part # 2151062-2 OCEAN_2.0_APPLICATOR-S-100F140OV-RSA	 TE Part # 2298567-1 22POSN.,REC ASSY, MCON1.2, MQS, MCP2.8	 TE Part # 2298622-1 24POS,HYBRID,REC HSG ASSY, UNSLD,COD A



TE Part # 2298633-1
60POS, HYBRID, REC HSG ASSY,
UNSLD, COD A

TE Part # 2301238-1
DTB PLUG HSG ASSY, 49POSN.,
FAKRA TYPE

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

TE Part # 2836246-1
OCEAN_2.0_Applicator-S-100F120OV-
RSM

Also in the Series | AMP MCP 2.8

Automotive Connector Caps & Covers
(1)

Automotive Connector Locks &
Position Assurance(5)

Automotive Housings(162)

Automotive Terminals(53)

Connector Seals & Cavity Plugs(3)

Insertion & Extraction Tools(6)

Module Components(1)

Other Automotive Connector
Accessories(1)

PCB Headers & Receptacles(1)

Customers Also Bought

TE Part #1564982-1
AMP MCP, RECEPTACLE AND TAB

TE Part #2-1418647-5
27pos MQS .63 header 180deg

TE Part #284853-2
12 POS FEMALE CONNECTOR ASS'Y

TE Part #1563124-1
2. LOCK, 10 POS FEM HOUSING





TE Part #284875-4

20 POS FEMALE CONN ASSY

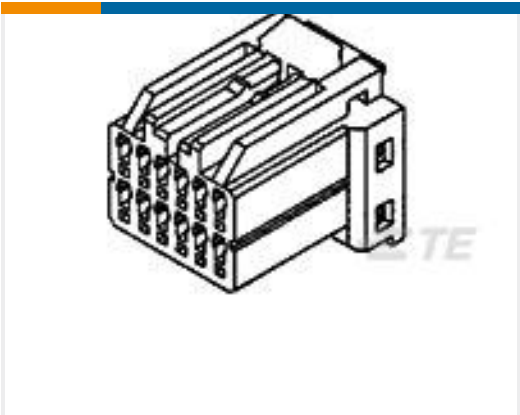
TE Part #2334023-3

24POS,AMP MCP 1.5K,REC HSG ASSY, SLD



TE Part #CQ31413001

55E4229-0.50-0/9-0



TE Part #174910-2

040 MLC PLUG HSG 20P

TE Part #2334024-3

24POS,1.5X0.64,TAB HSG ASSY,SLD, COD NEUT

Documents

Product Drawings

AMP MCP 2.8K, CONTACT

English

AMP MCP 2.8K, CONTACT

English

CAD Files

Customer View Model

ENG_CVM_1241390-1_C6.3d_igs.zip

English

Customer View Model

ENG_CVM_1241390-1_C6.3d_stp.zip

English

Customer View Model

ENG_CVM_1241390-1_C6.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

German

Application Specification

German