



**THE DATASHEET OF**  
**1452503-3**



1452503-3 ✓ ACTIVE

MCON | AMP MCP Hybrid Coax, MCON 1.2mm

TE Internal #: 1452503-3

Receptacle, Mating Tab Width 1.2 mm [.047 in], Tab Thickness .6 mm [.024 in], 17 – 15 AWG Wire Size, MCON 1.2mm, Automotive Terminals

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Terminals & Splices > Automotive Terminals > MCON Receptacle and Tab



Terminal Type: **Receptacle**

Mating Tab Width: 1.2 mm [.047 in]

Mating Tab Thickness: .6 mm [.024 in]

Terminal Transmits: 0 – 24 A (Low Power)

Wire Size: 17 – 15 AWG

[All MCON Receptacle and Tab \(65\)](#)

## Features

### Product Type Features

Receptacle Style	180°
Sealable	No
Primary Locking Feature	Clean Body

### Contact Features

Contact Size	1.2mm
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Crimp Type	F-Crimp
Terminal Type	Receptacle
Mating Tab Width	1.2 mm [.047 in]
Mating Tab Thickness	.6 mm [.024 in]
Interface Plating	Silver (Ag)



### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

### Dimensions

Compatible Insulation Diameter Range	1.9 – 2.4 mm [.075 – .094 in]
Wire Size	1 – 1.5 mm <sup>2</sup>
Wire Size Search	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, 140 °C, 145 °C, 150 °C [176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F][293 °F][302 °F]
Operating Temperature Range	-40 – 150 °C [-40 – 302 °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
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### Packaging Features

Packaging Quantity	8000
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 # CAT-NC1-NMA12  
NextGen & NextGen Plus MCON 1.2 Locking Lance Single Wire Seals and Cavity Plugs



TE Part # 1452426-1  
EXTRACTION TOOL



TE Part # 1579007-8  
EXTRACTION TOOL



TE Part # 964972-1  
EINZELLEITERDICHTUNG



TE Part # 1-1579007-0  
EXTRACTION TOOL



TE Part # 9-1563173-9  
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 9-1452423-9  
96 POS. CONNECTOR ASSY



TE Part # 1-1579001-3  
DIE FOR 1,2MM CONTACT



TE Part # 1-2208709-1  
91POS, MIXED, REC HSG, ASSY, SEALED



TE Part # 1-2208720-1  
105POS, MCON 1.2 CB, REC HSG, ASSY, SLD



TE Part # 1-2316374-1  
48POS, MCON 1.2, REC HSG ASSY, SLD, COD NEUT



TE Part # 1-2316374-2  
48POS, MCON 1.2, REC HSG ASSY, SLD, COD NEUT



TE Part # 1-2316374-3  
48POS, MCON 1.2, REC HSG ASSY, SLD, COD NEUT



TE Part # 1-2316374-4  
48POS, MCON 1.2, REC HSG ASSY, SLD, COD NEUT



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



TE Part # 1-2344951-2  
104POS, MCON 1.2, REC HSG, ASSY, COD A



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



TE Part # 2151468-1  
OCEAN\_2.0\_Applicator-S-070F0900-RSM




TE Part # 2151468-2  
OCEAN\_2.0\_Applicator-S-070F0900-RSA




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

Also in the Series | **AMP MCP Hybrid Coax**



Automotive Housings(8)



Automotive Terminals(38)

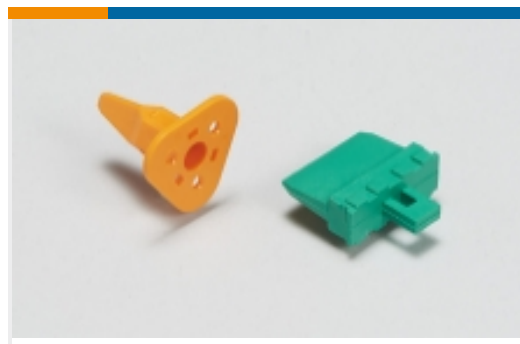


Crimp Wire Pins, Tabs & Ferrules(2)

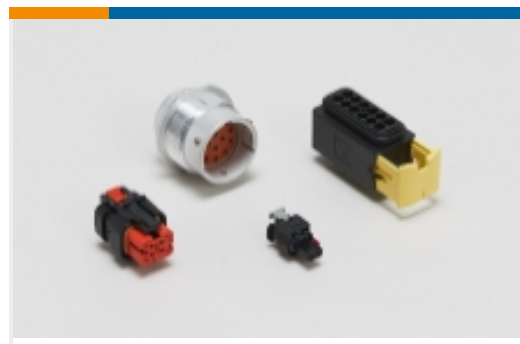
Also in the Series | **MCON 1.2mm**



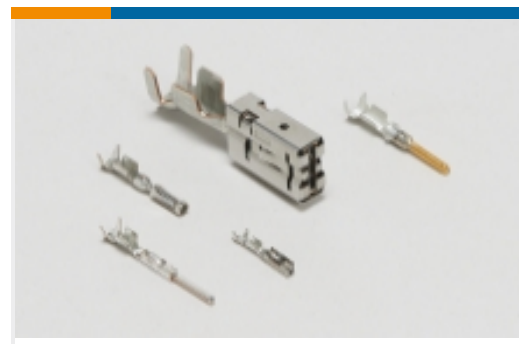
Automotive Connector Caps & Covers (18)



Automotive Connector Locks & Position Assurance(10)



Automotive Housings(328)



Automotive Terminals(96)



Connector Seals & Cavity Plugs(13)



Insertion & Extraction Tools(5)

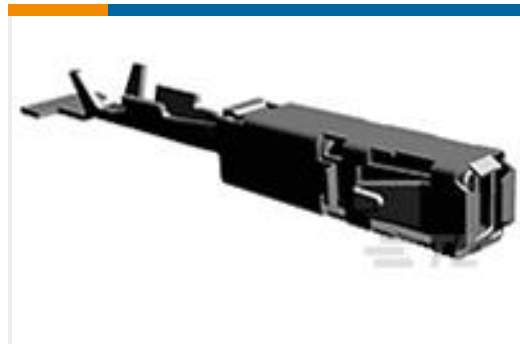


Other Automotive Connector Accessories(7)

## Customers Also Bought



TE Part #1452997-1  
76 POS 2-NDRAY LOCK BIG



TE Part #1241374-3  
AMP MCP 1.5K, CONTACT



TE Part #964768-2  
STD-TIM HSG SPECIAL 2P (GREY)



TE Part #2035360-1  
1X4 GENERATION Y ASSY KEY A



TE Part #2050216-1  
Assy' Terminal Ring Tongue M4



TE Part #2050780-2  
COVER FOR 4P SENSOR CONNECTOR



TE Part #2363714-2  
REC CONN CVR ASSY,2POS,DT, 180DEG



TE Part #2386232-1  
REC CONN CVR ASSY,46POS,0.64 GENER. Y



TE Part #2050046-4  
2POS 2.8MM SENSOR PLUG ASSY.



TE Part #1-962891-1  
FAST STECKHUELSE3,3

## Documents



### Product Drawings

#### MCON 1.2 CB REC SRC AG

German

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1452503-3\\_C.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1452503-3\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1452503-3\\_C.3d\\_stp.zip](#)

English

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

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### Product Specifications

#### Application Specification

German

#### Application Specification

English

#### Application Specification

English

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[TE Connectivity Information](#)

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- ✓ Alternative Solution
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