

1670146-3 ✓ ACTIVE

MCON | MCON 1.2mm, AMP MCP Hybrid Coax

TE Internal #: 1670146-3

Receptacle Terminal, 20 – 18 AWG, .5 – .75 mm² Wire, 1.2 mm [.047 in] Tab Width, Silver (Ag), Sealable, .6 mm [.024 in] Tab Thickness, MCON 1.2mm

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Terminals & Splices > Automotive Terminals > MCON Receptacle and Tab



Terminal Type: **Receptacle**

Wire Size: **20 – 18 AWG**

Mating Tab Width: **1.2 mm [.047 in]**

Interface Plating: **Silver (Ag)**

[All MCON Receptacle and Tab \(63\)](#)

Features

Product Type Features

Receptacle Style	180°
Primary Locking Feature	Clean Body
Sealable	Yes

Body Features

Terminal Seal Type	Single Wire Seal (SWS)
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Contact Features

Typical Current Rating	11.75 A
Crimp Type	F-Crimp
Contact Size	1.2mm
Contact Fabrication	Stamped & Formed
Terminal Type	Receptacle
Mating Tab Width	1.2 mm[.047 in]
Interface Plating	Silver (Ag)



Mating Tab Thickness	.6 mm [.024 in]
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Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Compatible Insulation Diameter Range	1.4 – 1.9 mm [.055 – .075 in]
Wire Size	20 – 18 AWG
Wire Size Search	.5 mm ² , .6 mm ² , .75 mm ²

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	125 °C [212 °F]
Operating Temperature Range	-40 – 150 °C [-40 – 302 °F]

Operation/Application

Compatible With Wire Base Material	Copper
Conforms to Automation Guideline	Yes, DIN 72036 Automation of Wiring Harness Production, Version June 2024, Yes, KOMAX Guideline for automatic component insertion for electrical connections, Version 5.0 (March 2018)

Packaging Features

Packaging Method	Reel
Packaging Quantity	6500

Other

Terminal Transmits	0 – 24 A (Low Power)
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)







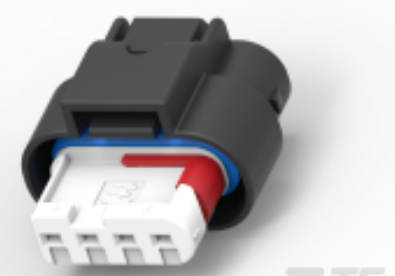



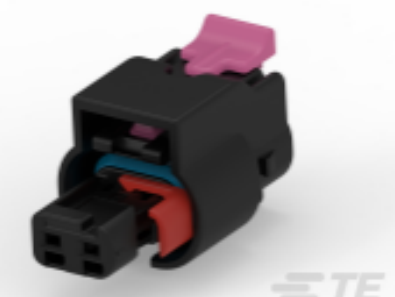

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not 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

 <p>TE Part # 4-1456426-2 4POS, MCON 1.2 CB REC 2p TL SEALED</p>	 <p>TE Part # 1-1456426-8 4 Pos Sld 1.2mm cln body MCON Key D CPA</p>	 <p>TE Part # 2098641-7 2POS, MCON 1.2 CB REC 2p SL SEALED</p>	 <p>TE Part # 3-2151981-2 OCEAN_2.0_APPLICATOR-S-062F125OA-RSD</p>
 <p>TE Part # 2151981-2 OCEAN_2.0_APPLICATOR-S-062F125OA-RSA</p>	 <p>TE Part # 4-2098541-2 3POS, MCON 1.2 CB REC 2p TL SEALED</p>	 <p>TE Part # 1-1456426-2 4POS, MCON 1.2 CB REC 2p TL SEALED</p>	 <p>TE Part # 2098559-7 6POS, MCON 1.2 CB REC 2p TL SEALED</p>
 <p>TE Part # 1-1456426-1 4POS, MCON 1.2 CB REC 2p TL SEALED</p>	 <p>TE Part # 1-1924067-4 2POS, MCON 1.2 CB REC 2p TL SEALED</p>	 <p>TE Part # 1-1924067-9 2POS, MCON 1.2 CB REC 2p TL SEALED</p>	 <p>TE Part # 1-1456426-5 4POS, MCON 1.2 CB REC 2p TL SEALED</p>



TE Part # 1-1456426-6
4POS, MCON 1.2 CB REC 2p TL
SEALED



TE Part # 1488992-5
3POS, MCON 1.2 CB REC 2p SL
SEALED



TE Part # 1-1924067-2
2POS, MCON 1.2 CB REC 2p TL
SEALED



TE Part # 1-1924067-3
2POS, MCON 1.2 CB REC 2p TL
SEALED



TE Part # 1-1924067-5
2POS, MCON 1.2 CB REC 2p TL
SEALED



TE Part # 1-2203773-2
4POS, MCON 1.2 CB REC 1p TL
SEALED

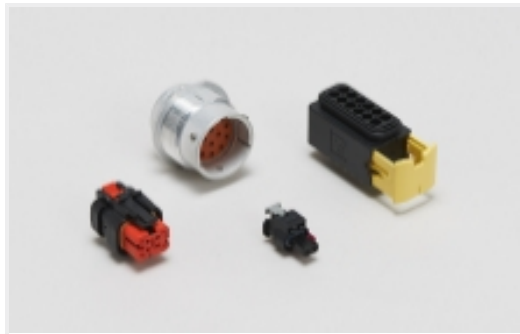


TE Part # 2098541-1
3POS, MCON 1.2 CB REC 2p TL
SEALED

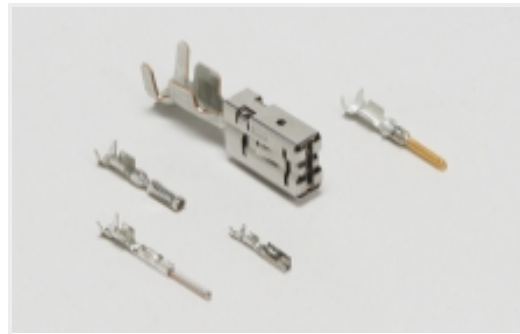


TE Part # 4-2098559-1
6P,FML,1.2,CB,MCON,STD,KEYA,T4,w
/LgCPA

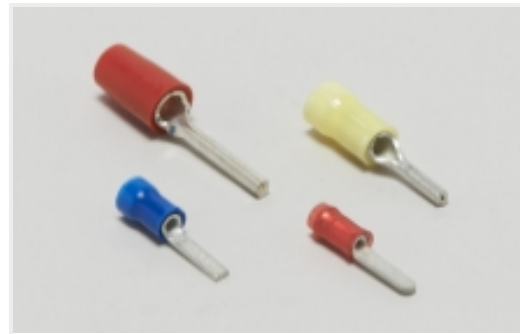
Also in the Series | **AMP MCP Hybrid Coax**



Automotive Housings(312)



Automotive Terminals(85)

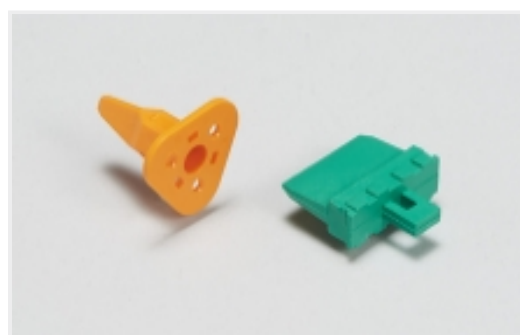


Crimp Wire Pins, Tabs & Ferrules(2)

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



Automotive Connector Caps & Covers
(15)



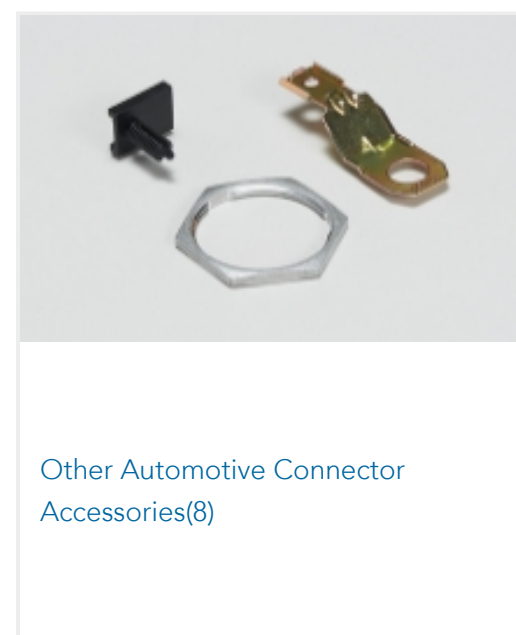
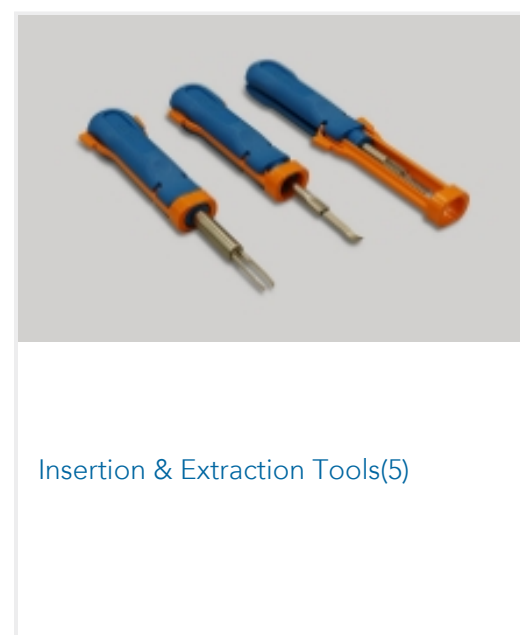
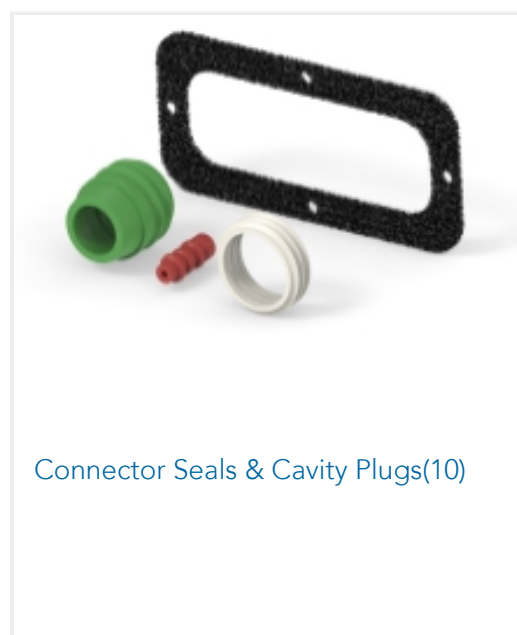
Automotive Connector Locks &
Position Assurance(10)



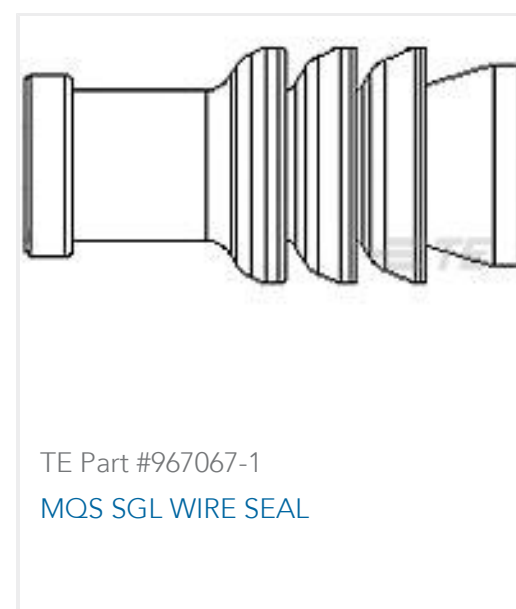
Automotive Housings(312)



Automotive Terminals(85)



Customers Also Bought



Documents

Product Drawings

[MCON 1.2 CB REC SWS AG](#)

English

[MCON 1.2 CB REC SWS AG](#)

German

CAD Files

Customer View Model

[ENG_CVM_1670146-3_F2.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_1670146-3_F2.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1670146-3_F2.2d_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

English

Application Specification

German

Application Specification

English

Application Specification

English