



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: **25 - 40 A (Power)**
Wire Size: **17 - 15 AWG**

[All MCON Receptacle and Tab \(83\)](#)

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	1.2mm
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Typical Current Rating	25 A
Crimp Type	F-Crimp
Terminal Type	Receptacle



Mating Tab Width	1.2 mm[.047 in]
Mating Tab Thickness	.6 mm[.024 in]
Interface Plating	Tin (Sn)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Compatible Insulation Diameter Range	1.6 - 2.4 mm[.063 - .094 in]
Wire Size	1 - 1.5 mm ²
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[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

Compatible With Wire Base Material	Copper
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Industry Standards

Compatible With Agency/Standards Products	LV214
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Packaging Features

Packaging Quantity	6000
Packaging Method	Reel

Other

Terminal Transmits	25 - 40 A (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 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
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Solder Process Capability	Not reviewed for solder process capability
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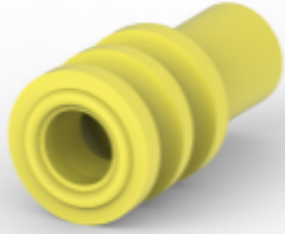
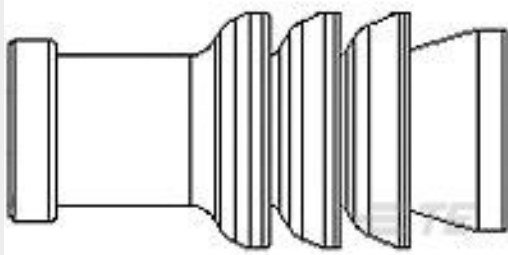
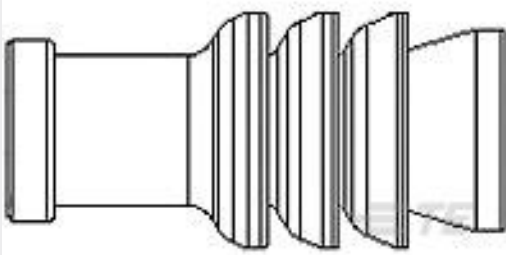
Product Compliance Disclaimer

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>

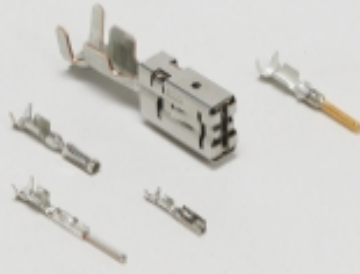
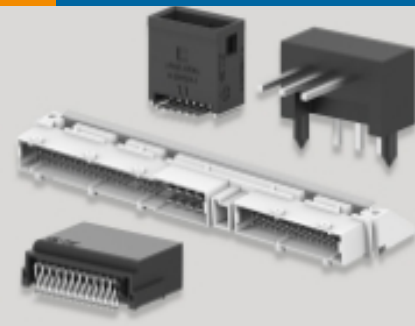
Compatible Parts

 TE Part # 5-1579007-3 EXTRACTION TOOL	 TE Part # 1-1718646-1 6POS, MCON 1.2 LL REC SEALED	 TE Part # 1-1718806-1 5POS, MCON 1.2 LL REC SEALED	 TE Part # 1-1718645-1 4POS, MCON 1.2 LL REC SEALED
 TE Part # 1-1670917-1 3POS, MCON 1.2 LL REC SEALED	 TE Part # 1-1670915-1 2POS, MCON 1.2 LL REC SEALED	 TE Part # 1801600-1 RECEPTACLE HOUSING, MCON, 10 W, SEALED	 TE Part # 1-1718643-1 2POS, MCON 1.2 LL REC SEALED



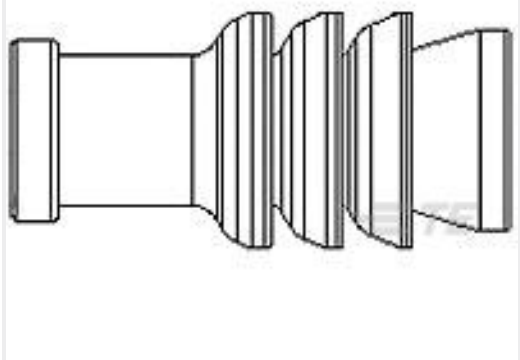
 TE Part # 1-1718644-1 3POS, MCON 1.2 LL REC SEALED	 TE Part # 964972-1 EINZELLEITERDICHTNG	 TE Part # 963142-2 SWS,MQS,CVTY DIA,4.0,GRY	 TE Part # 967067-1 MQS SGL WIRE SEAL
 TE Part # 967067-2 MQS EINZELLEITDICHT	 TE Part # 2332470-1 4POS,MCON 9.5,REC HSG ASSY,SLD, COD 1	 TE Part # 1718762-1 MCON 1.2 LL TAB SWS SN	 TE Part # 1801600-4 RECEPTACLE HOUSING, MCON, 10 W, SEALED
 TE Part # 2-1670917-1 3POS, MCON 1.2 LL REC SEALED	 TE Part # 2-1718643-1 2POS, MCON 1.2 LL REC SEALED	 TE Part # 3-1718643-1 2POS, MCON 1.2 LL REC SEALED	 TE Part # 1-1718644-5 3POS, MCON 1.2 LL REC SEALED

Also in the Series | MCON Interconnection System

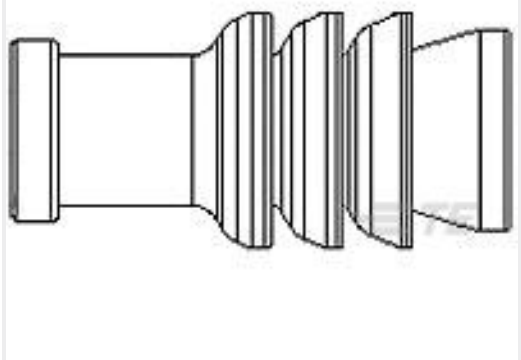
 Automotive Connector Caps & Covers (21)	 Automotive Connector Locks & Position Assurance(11)	 Automotive Housings(288)	 Automotive Terminals(104)
 Connector Seals & Cavity Plugs(11)	 Insertion & Extraction Tools(31)	 Other Automotive Connector Accessories(2)	 PCB Headers & Receptacles(2)

Customers Also Bought





TE Part # 967056-1
MOS BLINDSTOPFEN4MM



TE Part # 967067-1
MOS SGL WIRE SEAL



TE Part # 7-1452668-1
MCON Receptacle and Tab



TE Part # 284716-5
6 POS. REC. CONNECTOR FOR MT2



TE Part # 1801600-3
RECEPTACLE HOUSING, MCON, 10 W, SEALED



TE Part # 2-2310137-4
1 P MATE-AX, SOC HSG W CPA, COD D



TE Part # 2325415-2
40POS,ML .025,REC HSG ASSY,UNSLD



TE Part # 3-2310137-9
1 P MATE-AX, SOC HSG W CPA, COD Z

TE Part # 2-1813018-2
MINI FUSE RECEPTACLE P7 FOR 0.85 ~1.25

Documents

Product Drawings
MCON 1.2 LL REC SWS SN
German
MCON 1.2 LL REC SWS SN
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_7-1452671-1_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_7-1452671-1_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_7-1452671-1_A.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Datasheets & Catalog Pages

MCON Interconnection System

English

Product Specifications

Application Specification

English

Application Specification

German

Application Specification

English