



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 \(103\)](#)

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

Agency/Standard	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: JUNE 2023 (235)
Candidate List Declared Against: JUNE 2023 (235)
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 reviewed 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 # 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

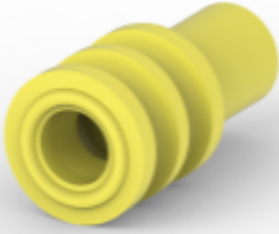
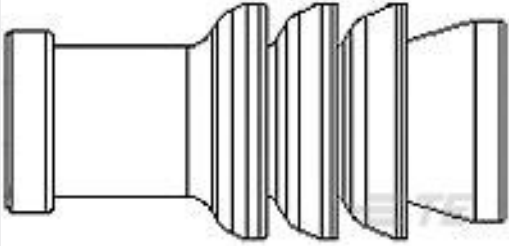
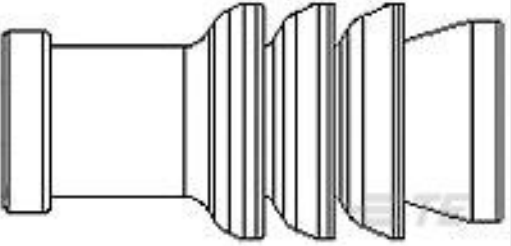
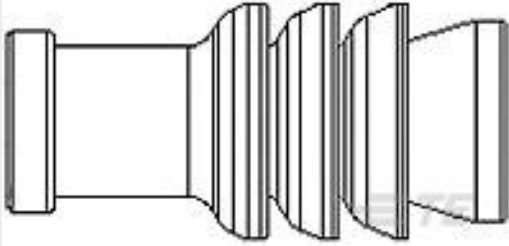
TE Part # 1-1670915-1
2POS, MCON 1.2 LL REC SEALED

TE Part # 1801600-1
RECEPTACLE HOUSING, MCON, 10 W, SEALED

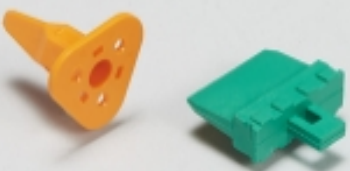
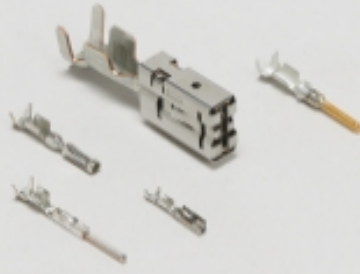
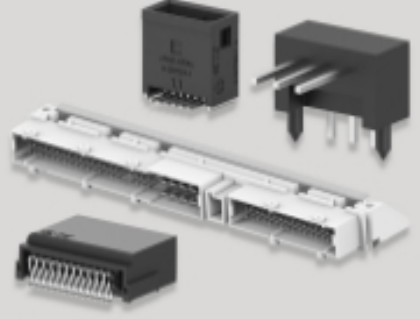
TE Part # 1-1718643-1
2POS, MCON 1.2 LL REC SEALED

TE Part # 1-1718644-1
3POS, MCON 1.2 LL REC SEALED



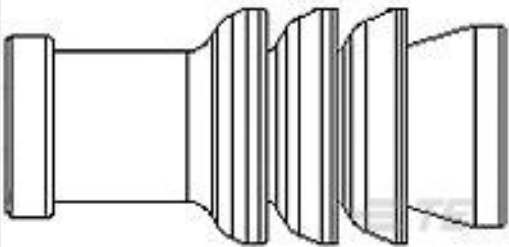
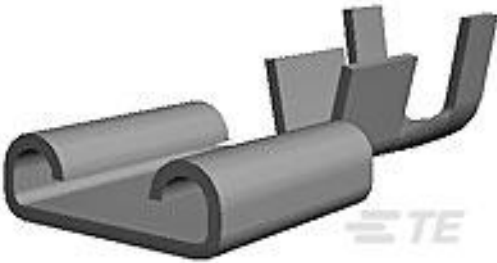
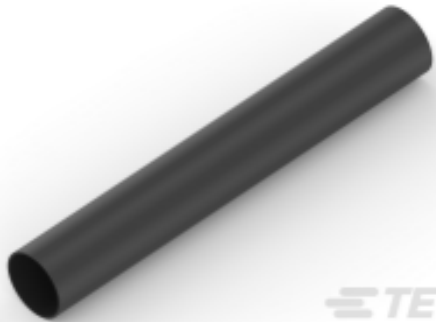
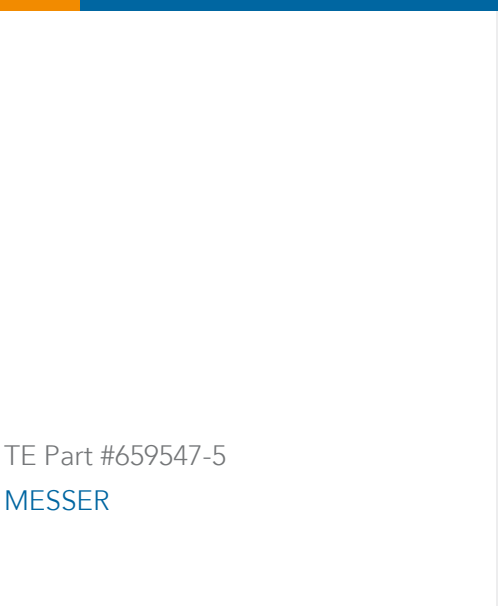
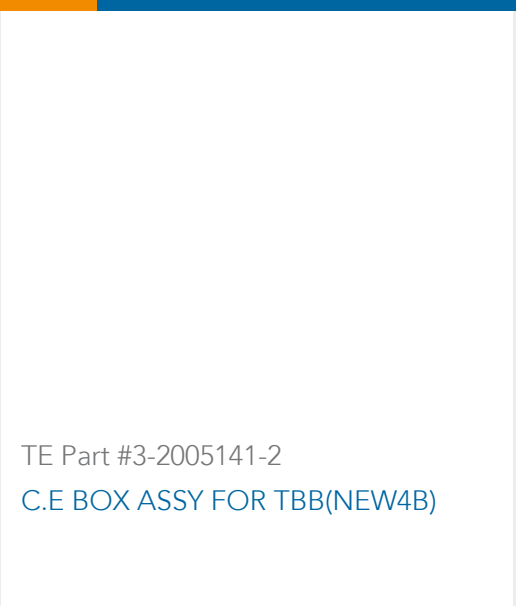
 TE Part # 964972-1 EINZELLEITERDICHTNG	 TE Part # 963142-2 SWS,MQS,CVTY DIA,4.0,GRY	 TE Part # 967067-1 MQS SGL WIRE SEAL	 TE Part # 967067-2 MQS EINZELLEITDICHT
 TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp	 TE Part # 1718762-1 MCON 1.2 LL TAB SWS SN	 TE Part # 5-1579007-3 EXTRACTION TOOL	 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 (24)	 Automotive Connector Locks & Position Assurance(11)	 Automotive Housings(320)	 Automotive Terminals(122)
 Connector Seals & Cavity Plugs(5)	 Insertion & Extraction Tools(31)	 Other Automotive Connector Accessories(7)	 PCB Headers & Receptacles(2)

Customers Also Bought



 TE Part #1-1718643-1 2POS, MCON 1.2 LL REC SEALED	 TE Part #967067-1 MQS SGL WIRE SEAL	 TE Part #160916-3 250 FASTON,REC.,17-14 AWG,PB	 TE Part #1534594-1 MCON 1.2 CB REC SRC SN
 TE Part #539515-000 ES2000-NO.3-B8-0-65MM	 TE Part #184340-1 PLUG ASSY,2X2,CPA,W/O SLOT,CKT4 BLKD	 TE Part #1633963-2 CRIMPER, INSULATION OVERLAP PREMIUM	 TE Part #281991-1 HSG FOR P-LOCK MK I TERM PREMIUM
 TE Part #659547-5 MESSER	 TE Part #3-2005141-2 C.E BOX ASSY FOR TBB(NEW4B)		

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

English