



MCON | MCON 1.2mm

TE Internal #: 7-1452656-3

Receptacle, Mating Tab Width 1.2 mm [.047 in], Tab Thickness .6 mm [.024 in], 20 – 18 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: **20 – 18 AWG**

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

Features

Product Type Features

Receptacle Style	180°
Sealable	No
Primary Locking Feature	Locking Lance

Contact Features

Contact Size	1.2mm
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Typical Current Rating	16 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	Silver (Ag)



Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Compatible Insulation Diameter Range	1.3 – 1.9 mm [.051 – .074 in]
Wire Size	.5 – .75 mm ²
Wire Size Search	18 AWG, 19 AWG, 20 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	9000
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)



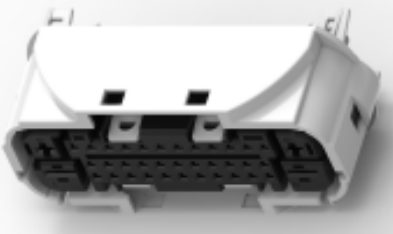
Candidate List Declared Against: JUNE 2024 (241)
Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not 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>

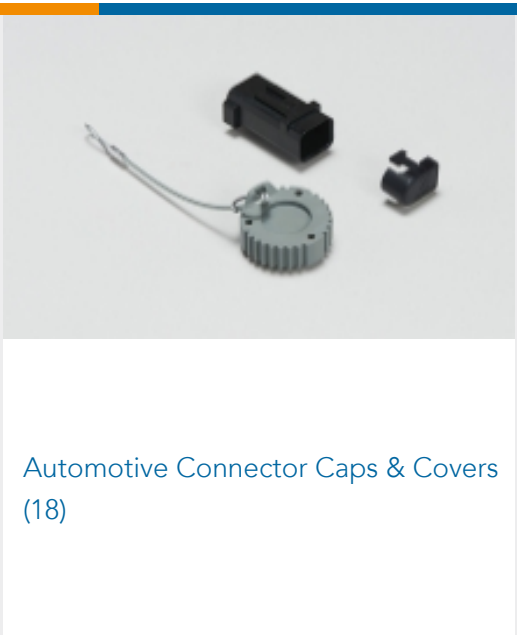
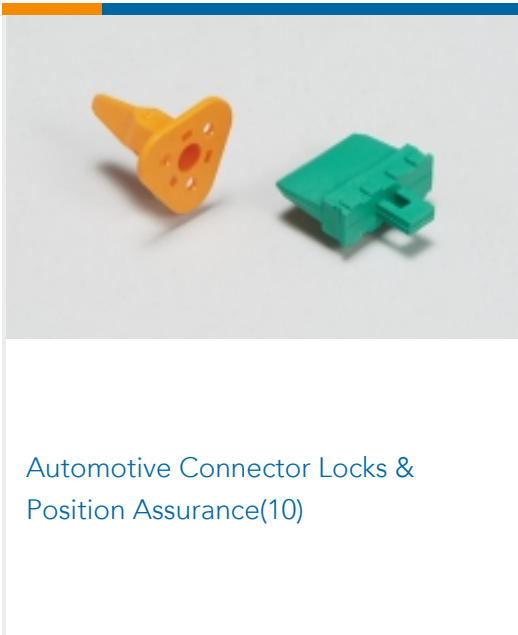
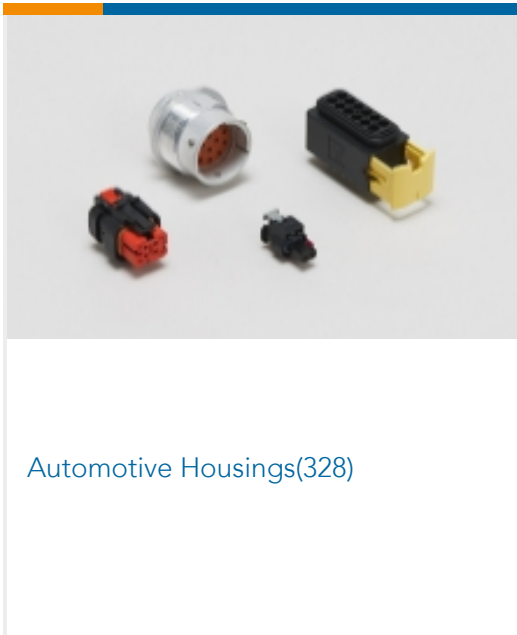
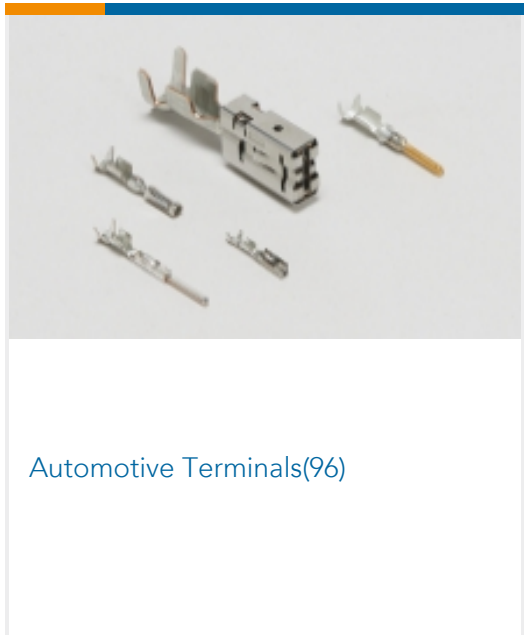
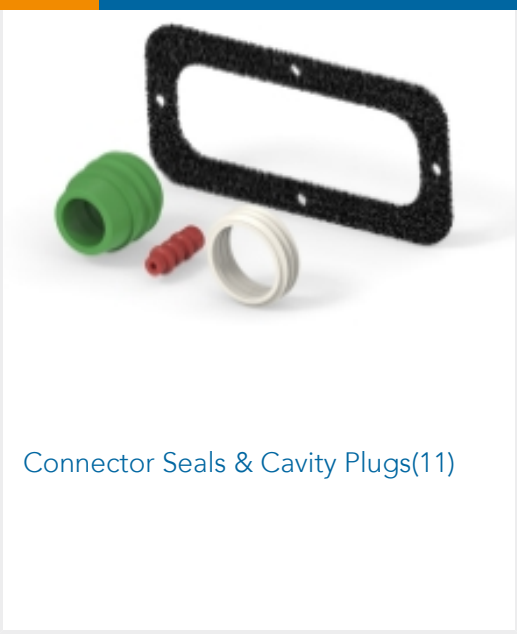
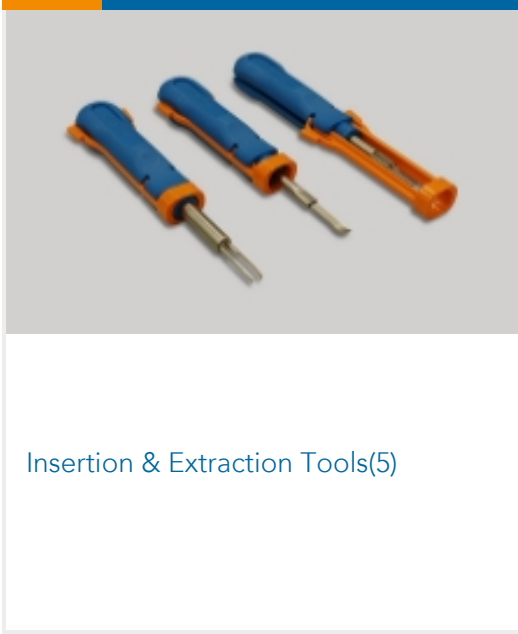
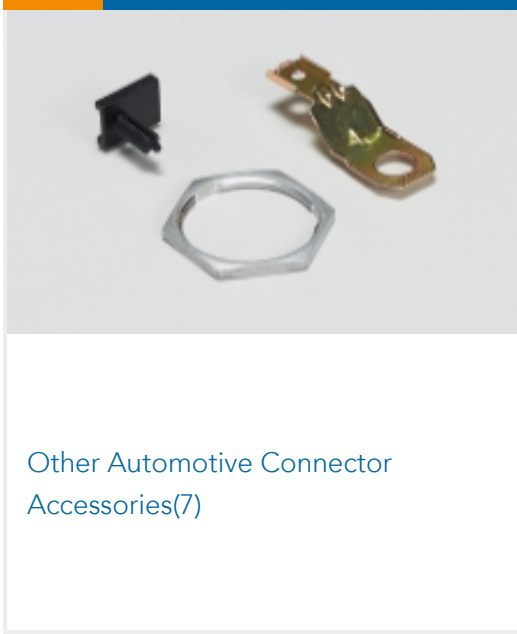
Compatible Parts

 TE Part # 5-1579007-3 EXTRACTION TOOL	 TE Part # 2-1670916-1 2POS, MCON 1.2 LL REC SEALED	 TE Part # 1-1670916-1 2POS, MCON 1.2 LL REC SEALED	 TE Part # 5-1418760-3 MCON 1.2 LL TAB STC AG
 TE Part # 2151037-1 OCEAN_2.0_APPLICATOR-S-055F072SP-RSM	 TE Part # 1-1670919-3 6POS, MCON 1.2, REC HSG ASSY, SLD, COD A	 TE Part # 2-1670442-9 38POS, MIXED, REC. HSG	 TE Part # 2151037-2 OCEAN_2.0_APPLICATOR-S-055F072SP-RSA



 TE Part # 2278770-1 4P SOCKET HOUSING	 TE Part # 2278770-2 8P SOCKET HOUSING	 TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp	 TE Part # 2382871-1 16POS,MCON 1.2,REC HSG ASSY, UNSLD,COD A
 TE Part # 2382871-2 16POS,MCON 1.2,REC HSG ASSY, UNSLD,CODE B	 TE Part # 2382871-3 16POS,MCON 1.2,REC HSG ASSY, UNSLD,CODE C	 TE Part # 2382871-4 16POS,MCON 1.2,REC HSG ASSY, UNSLD,CODE D	 TE Part # 2382877-1 3POS,MCON 1.2,REC HSG,UNSLD, COD A
 TE Part # 2382877-2 3POS,MCON 1.2,REC HSG,UNSLD, COD B	 TE Part # 2382877-3 3POS,MCON 1.2,REC HSG,UNSLD, COD C	 TE Part # 2382877-4 3POS,MCON 1.2,REC HSG,UNSLD, COD D	 TE Part # 2382878-2 3POS,1.2X0.63,TAB HSG,UNSLD,COD B

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(11)	 Insertion & Extraction Tools(5)	 Other Automotive Connector Accessories(7)	

Customers Also Bought



TE Part #1376515-1
025 4P V CAP HSG ASSY

TE Part #968679-2
MPQ 2.8 Sn Tab. LL unsealed >0.35-0.5 mm2

TE Part #963902-1
TAB A 1.6x0.6 CONTACT CS SWS Sn

TE Part #1-1438299-1
GET MALE TERM, B, AG REREEL

TE Part #NB09826001
ATUM-19/6-0-40MM

TE Part #1-2298166-2
24POS,MCON 1.2,REC HSG ASSY

TE Part #2208304-2
8POS,MQS,REC HSG,WITH SB,ASSY

TE Part #1-2137332-5
36PIN THROUGH WALL FIX RING

TE Part #2349124-2
V23136J0004X160-SZ-TOBOX

Documents

Product Drawings
MCON 1.2 LL REC SRC AG
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_7-1452656-3_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_7-1452656-3_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_7-1452656-3_A.3d_stp.zip
English

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

Product Specifications



Application Specification

German

Application Specification

English

Application Specification

English