



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
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)
Contact Termination Area Plating Material	Tin (Sn)

### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

### Dimensions

Wire Size	1 – 1.5 mm <sup>2</sup>
Wire Size Search	15 AWG, 16 AWG, 17 AWG
Wire Insulation Diameter	1.6 – 2.4 mm[.063 – .094 in]

### 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 Method	Reel
Packaging Quantity	6000

### 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 2022 (224)  
 Candidate List Declared Against: JUNE 2022 (224)  
 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



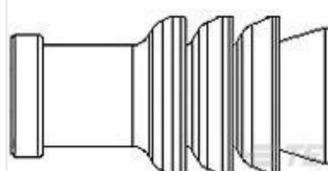
TE Part # CAT-M4595-CH8172  
 MCON, CONNECTOR HOUSING



TE Part # 5-1579007-3  
 EXTRACTION TOOL



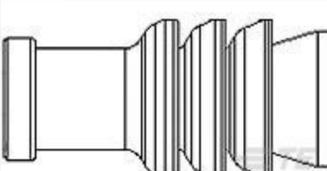
TE Part # 964972-1  
 EINZELLEITERDICHTUNG



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

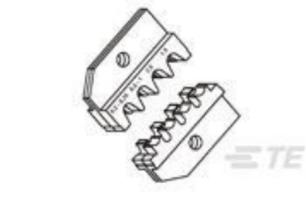


TE Part # 2305570-1  
 Strip Terminal Cutter-Side Feed-No Crimp

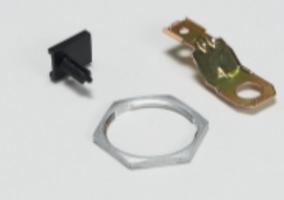


TE Part # 1718762-1  
 MCON 1.2 LL TAB SWS SN



 <p>TE Part # 2-2151049-1 OCEAN_2.0_APPLICATOR-S-070F130O</p>	 <p>TE Part # 2-2151049-2 OCEAN_2.0_APPLICATOR-S-070F130O</p>	 <p>TE Part # 2151049-1 OCEAN_2.0_APPLICATOR-S-070F130O</p>	 <p>TE Part # 2151049-2 OCEAN_2.0_APPLICATOR-S-070F130O</p>
 <p>TE Part # 5-2151049-1 OCEAN_2.0_APPLICATOR-S-070F130O</p>	 <p>TE Part # 5-2151049-2 OCEAN_2.0_APPLICATOR-S-070F130O</p>	 <p>TE Part # 7-2151049-1 OCEAN_2.0_APPLICATOR-S-070F130O</p>	 <p>TE Part # 7-2151049-2 OCEAN_2.0_APPLICATOR-S-070F130O</p>
 <p><b>KIT</b> REPRESENTATION ONLY</p> <p>TE Part # 7-2151049-7 OCEAN_2.0_SPARE_PART_KIT-070F130O</p>	 <p><b>KIT</b> REPRESENTATION ONLY</p> <p>TE Part # 7-2266356-7 OC-070F1300-752-CRIMPTOOLINGKIT</p>	 <p>TE Part # 4-1579001-5 ERGO DIE MCP 1,2 LL EDS</p>	 <p>TE Part # 1801600-4 RECEPTACLE HOUSING, MCON, 10 W, SEALED</p>

Also in the Series | MCON Interconnection System

 <p>Automotive Connector Caps &amp; Covers (24)</p>	 <p>Automotive Connector Locks &amp; Position Assurance(11)</p>	 <p>Automotive Housings(288)</p>	 <p>Automotive Seals &amp; Cavity Plugs(5)</p>
 <p>Automotive Terminals(113)</p>	 <p>Insertion &amp; Extraction Tools(31)</p>	 <p>Other Automotive Connector Accessories(7)</p>	 <p>PCB Headers &amp; Receptacles(1)</p>

Documents



### Product Drawings

[MCON 1.2 LL REC SWS SN](#)

German

[MCON 1.2 LL REC SWS SN](#)

English

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### 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

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### Datasheets & Catalog Pages

[MCON Interconnection System](#)

English

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### Product Specifications

[Application Specification](#)

English