

2177610-3 ✓ ACTIVE

MCON Interconnection System

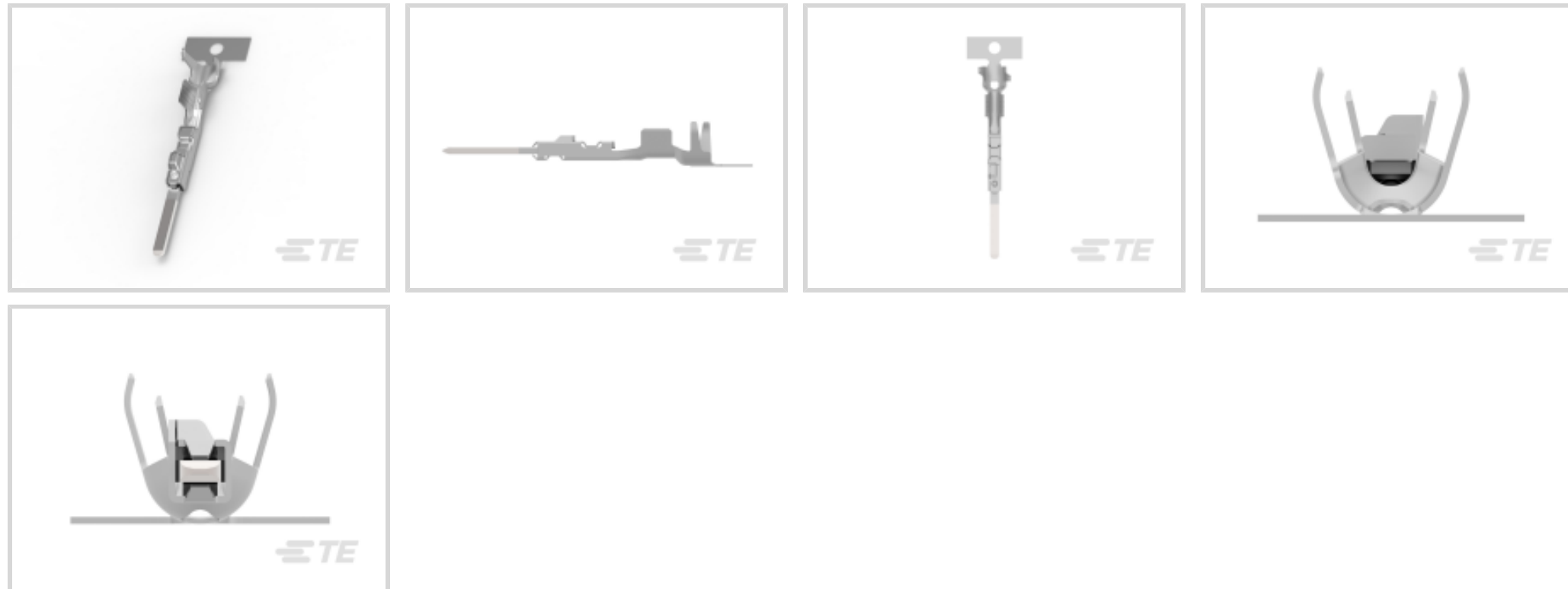
TE Internal #: 2177610-3

Automotive Terminals, Tab, Mating Tab Width 1.2 mm [.047 in], Tab Thickness .6 mm [.024 in], 17 – 15 AWG Wire Size, MCON Interconnection System

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Terminals & Splices > Automotive Terminals > MCON Receptacle and Tab



Terminal Type: **Tab**

Mating Tab Width: 1.2 mm [.047 in]

Mating Tab Thickness: .6 mm [.024 in]

Terminal Transmits: 0 – 24 A (Low Power)

Wire Size: 17 – 15 AWG

[All MCON Receptacle and Tab \(99\)](#)

## Features

### Product Type Features

Receptacle Style	180°
Sealable	Yes
Primary Locking Feature	Clean Body

### 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
Crimp Type	F-Crimp
Terminal Type	Tab
Mating Tab Width	1.2 mm [.047 in]



Mating Tab Thickness	.6 mm [.024 in]
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Interface Plating	Silver (Ag)
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### Termination Features

Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire
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### Dimensions

Compatible Insulation Diameter Range	2.6 mm [.102 in]
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Wire Size	1 – 1.5 mm <sup>2</sup>
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Wire Size Search	15 AWG, 16 AWG, 17 AWG
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### Usage Conditions

Insulation Option	Uninsulated
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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]
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Operating Temperature Range	-40 – 150 °C [-40 – 302 °F]
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### Operation/Application

Compatible With Wire Base Material	Copper
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### Packaging Features

Packaging Quantity	6000
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Packaging Method	Reel
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### 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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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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>


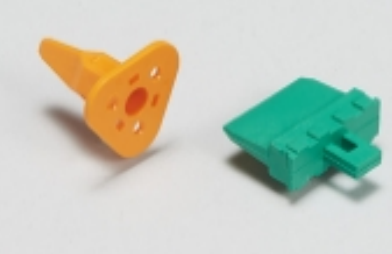





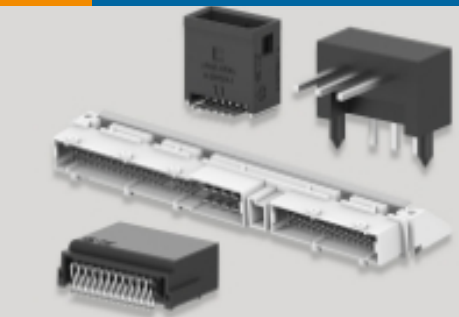
## Compatible Parts

 <p>TE Part # 2203770-1 Cap Ass'y, 2P Sealed, Key A</p>	 <p>TE Part # 2151480-1 OCEAN_2.0_APPLICATOR-S-070F130SP</p>	 <p>TE Part # 2297911-1 12 WAY IN-LINE TAB PLUG ASSY</p>	 <p>TE Part # 2203770-3 Cap Ass'y, 2P Sealed, Key C</p>
 <p>TE Part # 2203772-1 3POS, MCON 1.2 CB TAB 1p TL SEALED</p>	 <p>TE Part # 2203774-1 4POS, MCON 1.2 CB TAB 1p TL SEALED</p>	 <p>TE Part # 2151480-2 OCEAN_2.0_APPLICATOR-S-070F130SP</p>	 <p>TE Part # 2203770-2 2POS, MCON 1.2 CB TAB 1p TL SEALED</p>
 <p>TE Part # 2203772-2 Cap Ass'y, 3P Sealed, Key B</p>	 <p>TE Part # 2203772-3 Cap Ass'y, 3P Sealed, Key C</p>	 <p>TE Part # 2203774-2 Cap Ass'y, 4P Sealed, Key B</p>	 <p>TE Part # 2203774-3 Cap Ass'y, 4P Sealed, Key C</p>



 <p>TE Part # 2203776-1 5POS, MCON 1.2 CB TAB 1p TL SEALED</p>	 <p>TE Part # 2203805-1 2POS, MCON 1.2 CB TAB 1p TL SEALED</p>	 <p>TE Part # 2203805-2 Cap Ass'y, 2P Sealed, Key B</p>	 <p>TE Part # 2203807-1 Cap Ass'y, 3P Sealed, Key A</p>
 <p>TE Part # 2203809-1 Cap Ass'y, 4P Sealed, Key A</p>	 <p>TE Part # 2203809-2 Cap Ass'y, 4P Sealed, Key B</p>	 <p>TE Part # 2203811-1 Cap Ass'y, 5p Sealed, Key A</p>	 <p>TE Part # 2304887-1 16POS, HYBRID, TAB HSG ASSY, SLD, COD 1</p>

Also in the Series | MCON Interconnection System

 <p>Automotive Connector Caps &amp; Covers (21)</p>	 <p>Automotive Connector Locks &amp; Position Assurance(11)</p>	 <p>Automotive Housings(288)</p>	 <p>Automotive Terminals(119)</p>
 <p>Connector Seals &amp; Cavity Plugs(11)</p>	 <p>Insertion &amp; Extraction Tools(31)</p>	 <p>Other Automotive Connector Accessories(2)</p>	 <p>PCB Headers &amp; Receptacles(2)</p>

Customers Also Bought

 <p>TE Part #281828-2 PL 2.5-4.0 MM2 TPBR</p>	 <p>TE Part #7-1452656-2 MCON 1.2 LL REC SRC AU</p>	 <p>TE Part #2-1703930-2 NANOMQS, RECEPTACLE TERMINAL</p>	 <p>TE Part #1-963736-2 TAB 5.8x0.8 CONTACT CS SRC Ag</p>
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TE Part #2282150-1  
2POS, NANOMQS, REC HSG, CODA



TE Part #5-568176-3  
CRIMPER, WIRE (.050" 'F')



TE Part #1-1534171-1  
MQS COVER 2X5P



TE Part #2203238-1  
PLUG SUBASSEMBLY, RTK031 2DS-PPFW, FAKRA



TE Part #2203241-1  
JACK SUBASSEMBLY, RTK031 2DS-PPFW, FAKRA



TE Part #281991-2  
HSG FOR P-LOCK MK I TERM

## Documents

### Product Drawings

#### MCON 1.2 CB TAB SWS AG

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177610-3\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177610-3\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177610-3\\_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

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