

2177610-1 ✓ ACTIVE

MCON 1.2mm, MCON Interconnection System

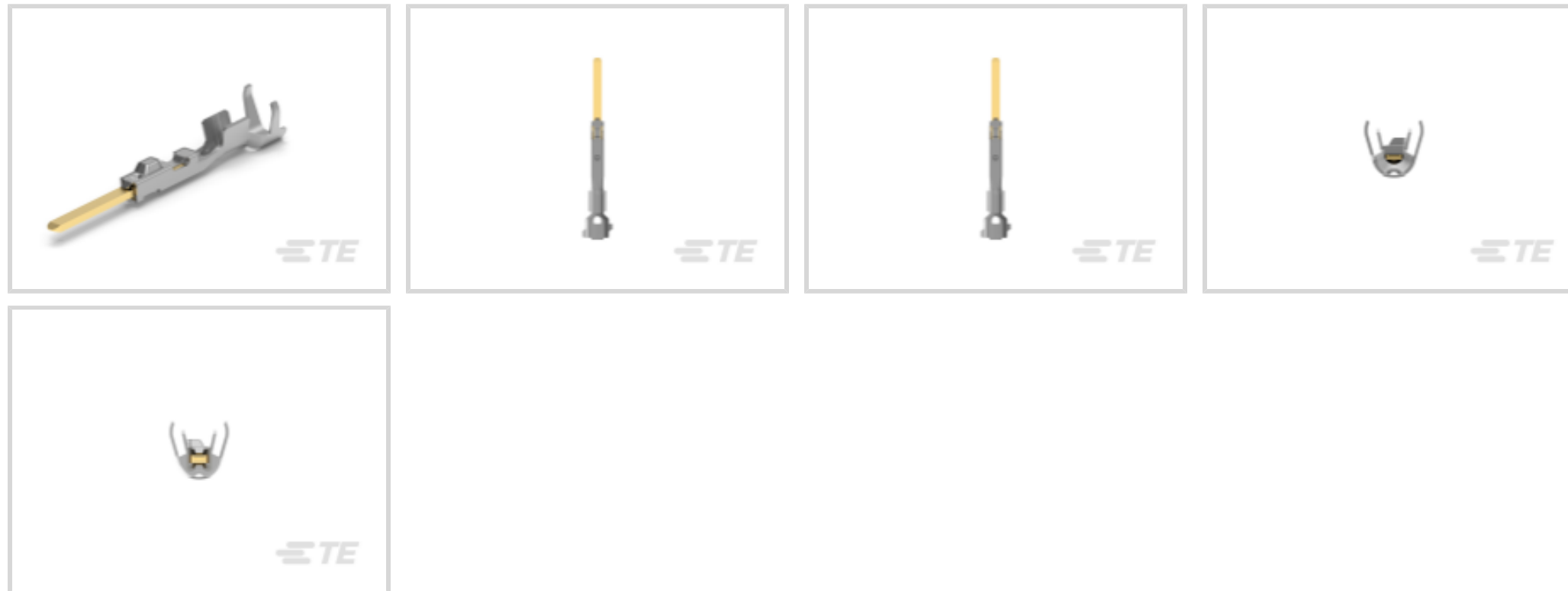
TE Internal #: 2177610-1

Automotive Terminals, Tab, Mating Tab Width .047 in [1.2 mm], Tab Thickness .024 in [.6 mm], Sealable, MCON Interconnection System

[View on TE.com >](#)



Terminals & Splices > Automotive Terminals



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)**

Sealable: **Yes**

## 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
Crimp Type	O-Crimp
Terminal Type	Tab
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
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Product Terminates To	Wire
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### Dimensions

Accepts Insulation Diameter Range	1.9 – 2.4 mm
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Tab Length	8 mm
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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 [176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F]
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Operating Temperature Range	-40 – 130 °C [-40 – 266 °F]
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### Operation/Application

Compatible With Wire Base Material	Copper
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### Industry Standards

Agency/Standard	SAE/USCAR-2 / USCAR-21
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### Packaging Features

Packaging Quantity	6000
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Packaging Method	Reel
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### Other

Customer Preferred Contact	Yes
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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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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
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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 # 2151480-1  
OCEAN\_2.0\_APPLICATOR-S-070F130SP



TE Part # 2-2151480-1  
OCEAN\_2.0\_APPLICATOR-S-070F130SP



TE Part # 2-2151480-2  
OCEAN\_2.0\_APPLICATOR-S-070F130SP



TE Part # 2151480-2  
OCEAN\_2.0\_APPLICATOR-S-070F130SP



TE Part # 2327042-1  
2POS,MCON 1.2,TAB HSG ASSY,SLD, COD A



TE Part # 2327042-2  
2POS,MCON 1.2,TAB HSG ASSY,SLD, COD B



TE Part # 2327042-3  
2POS,MCON 1.2,TAB HSG ASSY,SLD, COD C



TE Part # 5-2151480-1  
OCEAN\_2.0\_APPLICATOR-S-070F130SP



TE Part # 5-2151480-2  
OCEAN\_2.0\_APPLICATOR-S-070F130SP



TE Part # 7-2151480-1  
OCEAN\_2.0\_APPLICATOR-S-070F130SP



TE Part # 7-2151480-2  
OCEAN\_2.0\_APPLICATOR-S-070F130SP

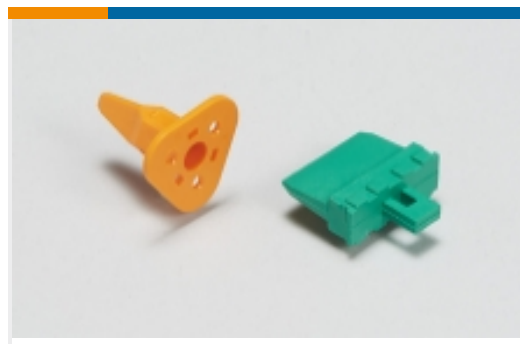


TE Part # 7-2151480-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-070F130SP

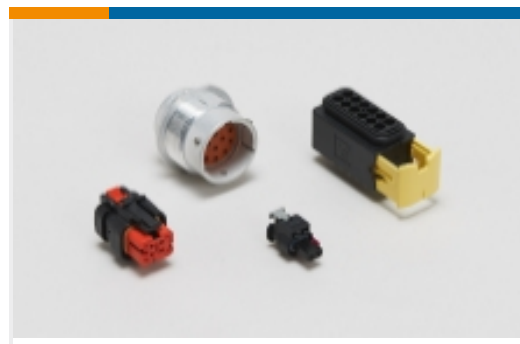
### Also in the Series | MCON 1.2mm



Automotive Connector Caps & Covers (9)



Automotive Connector Locks & Position Assurance (9)



Automotive Housings (14)



Automotive Seals & Cavity Plugs (1)



Automotive Terminals (12)



Insertion & Extraction Tools (5)

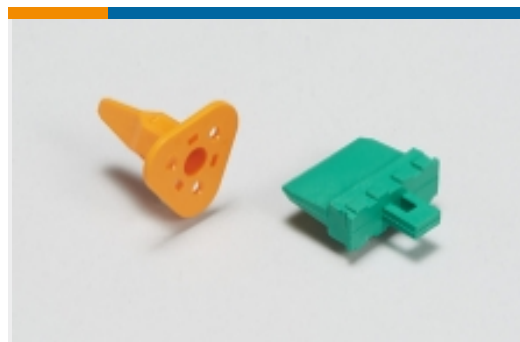


Other Automotive Connector Accessories (5)

## Also in the Series | MCON Interconnection System



Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance (11)



Automotive Housings (310)



Automotive Seals & Cavity Plugs (5)



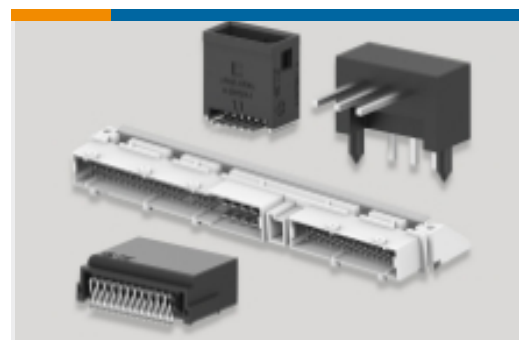
Automotive Terminals (114)



Insertion & Extraction Tools (31)



Other Automotive Connector Accessories (7)



PCB Headers & Receptacles (1)

## Customers Also Bought



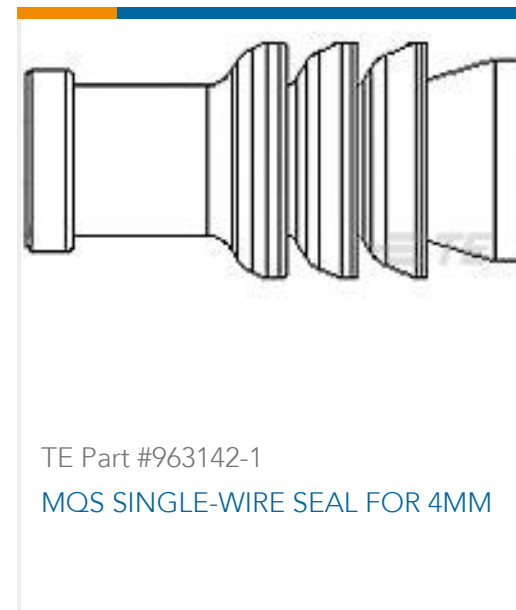
TE Part #1-1718646-1  
6POS, MCON 1.2 LL REC SEALED



TE Part #1-487378-5  
2.54mm FFC Connectors Receptacle Housing



TE Part #487545-1  
004 HOUSING FFC RCPT 050CL SR



TE Part #963142-1  
MQS SINGLE-WIRE SEAL FOR 4MM



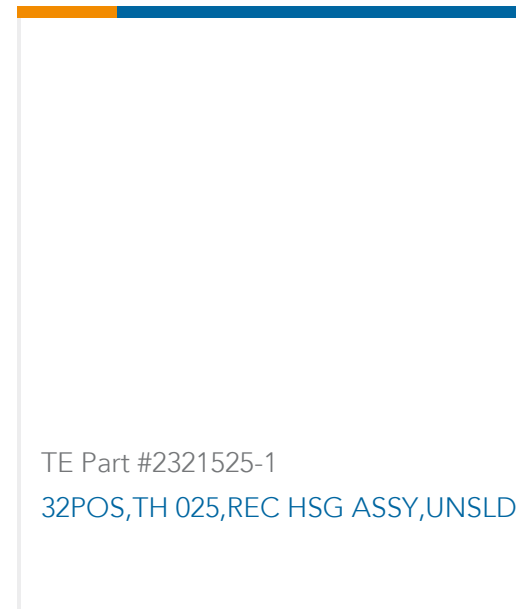
TE Part #1418850-1  
MCON Receptacle and Tab



TE Part #2324808-2  
2POS, MCON 1.2, REC HSG ASSY, SLD, COD B



TE Part #2327042-2  
2POS, MCON 1.2, TAB HSG ASSY, SLD, COD B



TE Part #2321525-1  
32POS, TH 025, REC HSG ASSY, UNSLD

## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177610-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177610-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177610-1\\_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

English

#### Application Specification

English