1670146-3 ✔ ACTIVE

AMP | MCON Interconnection System

TE Internal #: 1670146-3

Automotive Terminals, Receptacle, Mating Tab Width 1.2 mm [.047 in], Tab Thickness .6 mm [.024 in], 20 - 18 AWG Wire Size, MCON Interconnection System

View on TE.com >

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 (83)

Features

Product Type Features

Receptacle Style	180°
Sealable	Yes
Primary Locking Feature	Clean Body

Body Features

Terminal Seal Type	Single Wire Seal (SWS)

Contact Features

Contact Size	1.2mm
Contact Fabrication	Stamped & Formed
Typical Current Rating	11.75 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	1.4 - 1.9 mm[.055 - .075 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

Compatible With Wire Base Material	Copper

Packaging Features

Packaging Quantity	6500
Packaging Method	Reel

Other

Terminal Transmits	0 - 24 A (Low Power)

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 applicable 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 # 1579007-8
EXTRACTION TOOL



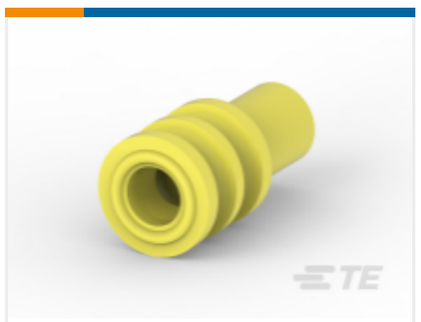
TE Part # 2098557-1
2POS, MCON 1.2 CB REC 2p TL SEALED



TE Part # 1-1456426-1
4POS, MCON 1.2 CB REC 2p TL SEALED



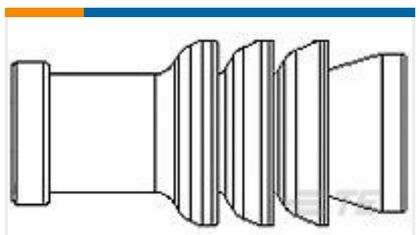
TE Part # 1-1924067-2
2POS, MCON 1.2 CB REC 2p TL SEALED



TE Part # 964972-1
EINZELLEITERDICHTNG



TE Part # 2098582-1
WIRE SEAL,RUBBER,SENSOR, RED



TE Part # 967067-1
MQS SGL WIRE SEAL



TE Part # 967067-2
MQS EINZELLEITDICHT



TE Part # 2141116-3
MCON 1.2 CB TAB SWS AG



TE Part # 1-1579007-0
EXTRACTION TOOL



TE Part # 8-1579008-4
EXTRACTION TOOL



TE Part # 1-2203773-3
Plug Ass'y, 4P Sealed, Key C, CPA



TE Part # 1-2203771-1
3POS, MCON 1.2 CB REC 1p TL SEALED



TE Part # 1-2203771-2
Plug Ass'y, 3P Sealed, Key B, CPA



TE Part # 2098541-2
3POS, MCON 1.2 CB REC 2p TL SEALED



TE Part # 2098557-4
2POS, MCON 1.2 CB REC 2p TL SEALED



TE Part # 4-2098541-1
3POS, MCON 1.2 CB REC 2p TL SEALED



TE Part # 1488992-5
3POS, MCON 1.2 CB REC 2p SL SEALED



TE Part # 4-1488991-1
3POS, MCON 1.2 CB REC 2p TL SEALED

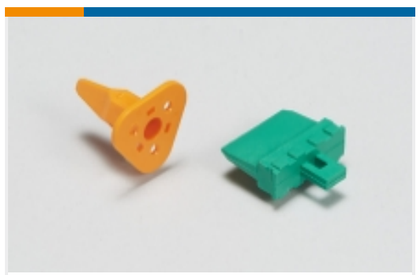


TE Part # 1924292-5
6POS, MCON 1.2 CB REC 2p TL SEALED

Also in the Series | MCON Interconnection System



Automotive Connector Caps & Covers (21)



Automotive Connector Locks & Position Assurance(11)



Automotive Housings(288)



Automotive Terminals(104)



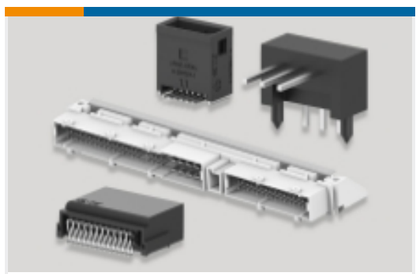
Connector Seals & Cavity Plugs(11)



Insertion & Extraction Tools(31)



Other Automotive Connector Accessories(2)

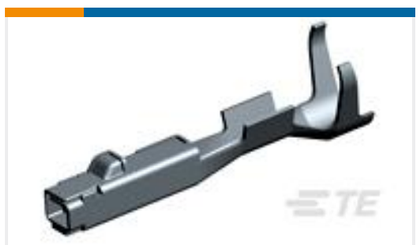


PCB Headers & Receptacles(2)

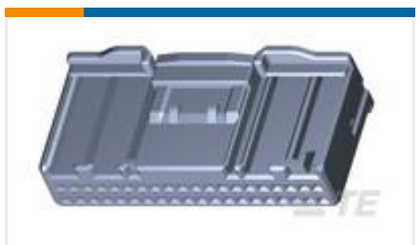
Customers Also Bought



TE Part # 1488991-6
3POS, MCON 1.2 CB REC 2p TL SEALED



TE Part # 1418844-3
MCON 1.2 CB REC SWS AG



TE Part # 1379671-4
40W PLUG HSG ASSY GREEN



TE Part # 178448-1
EJ-II DBL LOCK 2POS PLUG ASSY



TE Part # CC0543-000
FL2500-NO.3-J1-0-40MM



TE Part # 184344-1
2X2 PLG ASY KEY A C3



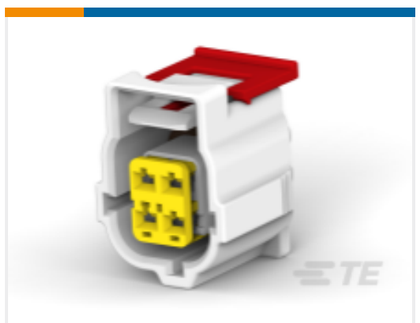
TE Part # 2050723-2
COVER FOR MQS HSG 2x16 POS ASSY



TE Part # 1-1563844-3
MCON 9.5,CONTACT



TE Part # 2272975-5
6 Pos. Sealed MCON 1.2 Connect



TE Part # 2337311-1
2X2 PLG ASY KEY H C3 W/CPA

Documents

Product Drawings

MCON 1.2 CB REC SWS AG

German

MCON 1.2 CB REC SWS AG

English

CAD Files

Customer View Model

ENG_CVM_1670146-3_F2.3d_igs.zip

English

Customer View Model

ENG_CVM_1670146-3_F2.3d_stp.zip

English

Customer View Model

ENG_CVM_1670146-3_F2.2d_dxf.zip

English

3D PDF

English

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

Datasheets & Catalog Pages

MCON Interconnection System

English

Product Specifications

Application Specification

English

Application Specification

English

Application Specification

German

Application Specification

English