1488991-6 ✔ ACTIVE

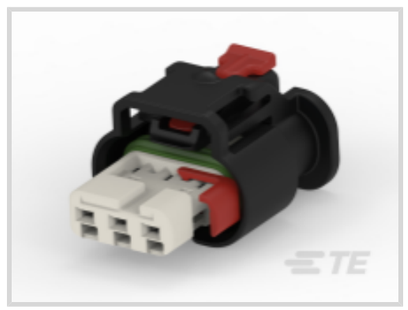
MCON | MCON 1.2mm

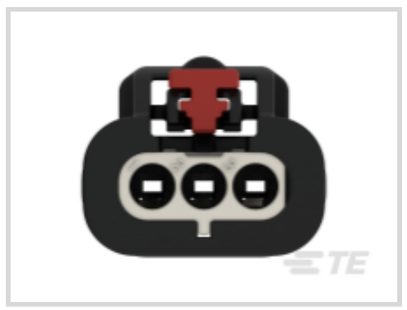
TE Internal #: 1488991-6

12 V, 3 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Natural, MCON 1.2mm

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready 1.2mm Sealed Connectors




Nominal Voltage Architecture: **12 V**

Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: **3**

Sealable: **Yes**

Operating Temperature Range: **-40 – 170 °C [-40 – 338 °F]**

All 48V Ready 1.2mm Sealed Connectors (182)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Board, Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Primary Product Color	Natural
Connector & Keying Code	B

Contact Features

Contact Size	1.2mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm[.047 in]
Contact Current Rating (Max)	23 A

Mechanical Attachment

Strain Relief	Add By Accessory
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Nylon 6/6
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Product Width	26.5 mm[1.043 in]
Product Length	19 mm[.748 in]
Connector Height	15.6 mm[.614 in]

Usage Conditions

Operating Temperature Range	-40 – 170 °C[-40 – 338 °F]
Operating Temperature (Max)	170 °C[338 °F]

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP67

Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

Serviceable	Yes
Connector Position Assurance Capable	Yes

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 967056-1
MQS BLINDSTOPFEN4MM



TE Part # 964972-1
EINZELLEITERDICHTNG



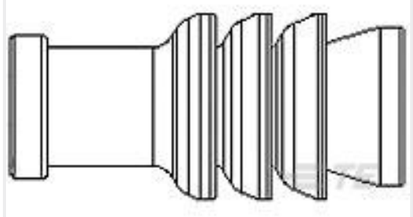
TE Part # 967067-2
MQS EINZELLEITDICHT



TE Part # 963143-1
MQS BLINDSTOPFEN

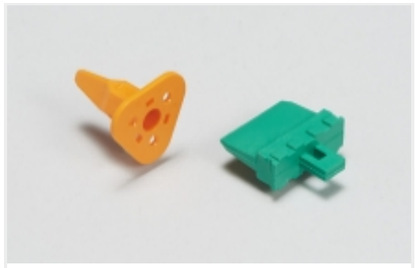


TE Part # CAT-M4595-T273
MCON Receptacle and Tab



TE Part # 967067-1
MQS SGL WIRE SEAL

Also in the Series | MCON 1.2mm



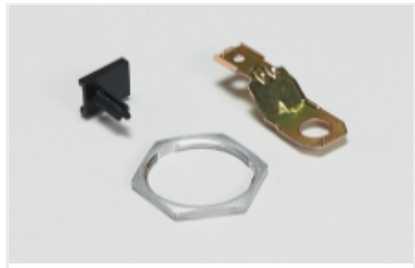
Automotive Connector Locks & Position Assurance(9)



Automotive Seals & Cavity Plugs(16)



Automotive Signal & Power Connector Housings(349)

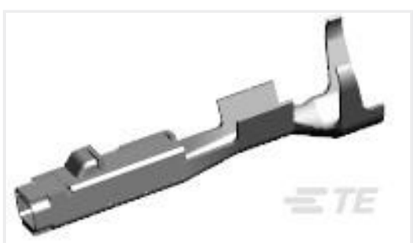


Other Automotive Connector Accessories(12)

Customers Also Bought



TE Part #936294-2
MCP-E SLD 6P CAP ASSY BLK



TE Part #1670146-3
MCON 1.2 CB REC SWS AG



TE Part #1801175-3
2W RECEPTACLE HP CONNECTOR GREY



TE Part #2188208-2
025/060/110HYB 60P PLUG ASSY



TE Part #2441242-1
66POS,HYBRID,REC HSG ASSY, UNSLD,DOOR CON



TE Part #936613-1
2.8MM MCP-E TAB CONT

TE Part #1-2434392-2
3POS,MCON 1.2,TAB HSG ASSY,SLD, COD A



TE Part #2-2434392-2
3POS,1.2X0.6,TAB HSG ASSY,SLD, COD B

TE Part #2498813-1
TAB CONN CVR,66POS,HYBRID,LH

TE Part #2498813-2
TAB CONN CVR,66POS,HYBRID,RH

Documents

Product Drawings

3POS, MCON 1.2 CB REC 2p TL SEALED

English

CAD Files

Customer View Model

ENG_CVM_CVM_1488991-6_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1488991-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1488991-6_D.3d_stp.zip

English

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

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English