1-1703498-1 ✔ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 1-1703498-1

12 V, 2 Position, Automotive Housing for Male Terminals, Wire-to-Wire, 4 mm [.15 in] Centerline, Sealable, Black, Wire & Cable, Power, 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 Male Terminals**

Number of Positions: **2**

Sealable: **Yes**

Operating Temperature Range: **-40 – 125 °C [-40 – 257 °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 Male Terminals
Sealable	Yes
Primary Locking Feature	Locking Lance
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	14 VDC

Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	1.2mm
Contact Type	Tab
Mating Tab Width	1.2 mm[.04 in]
Contact Current Rating (Max)	25 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	4 mm[.15 in]

Dimensions

Product Width	44 mm[1.73 in]
Product Length	14.8 mm[.58 in]
Connector Height	14.95 mm[.58 in]

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Operating Temperature (Max)	125 °C[257 °F]

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Quantity	1500
Packaging Method	Box & Carton

Other

Serviceable	Yes
Connector Position Assurance Capable	No

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 1-2480611-1
2POS,MCON 1.2,REC HSG,SLD,COD A



TE Part # 1-2441392-1
2POS,NEXTGEN, MCON 1.2 LL REC, SLD,COD A



TE Part # 1-1703499-1
2POS,TAB 1.2X0.6,TAB HSG,CODA



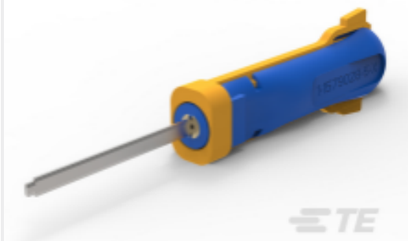
TE Part # 1-1718643-4
2POS, MCON 1.2 LL REC SEALED

TE Part # 1-2378602-2
2POS,NEXTGEN, MCON 1.2 LL REC, SLD,COD A

TE Part # 1-2378602-6
2POS,NEXTGEN, MCON 1.2 LL REC, SLD,COD A



TE Part # 9-1579028-2
EXTRACTION TOOL



TE Part # 1-1579028-5
INSERTION TOOL



TE Part # CAT-N13-MSLRTT12
MCON 1.2 Locking Lance Receptacle and Tab Terminals



TE Part # 1718761-3
MCON 1.2 LL TAB SWS AG LP



TE Part # 1-1670916-1
2POS, MCON 1.2 LL REC SEALED

TE Part # 2327658-4
WIRING HARNESS-GBH CONNECTOR

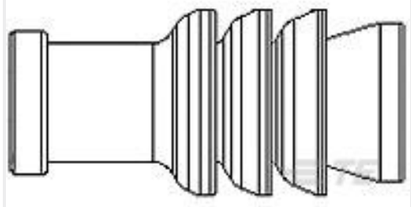


TE Part # 967056-1
MQS BLINDSTOPFEN4MM



TE Part # 1-2378602-1
2POS,NEXTGEN, MCON 1.2 LL REC, SLD,COD A

TE Part # 1703500-1
RETAINER,2POS. MALE HSG.



TE Part # 967067-1
MQS SGL WIRE SEAL

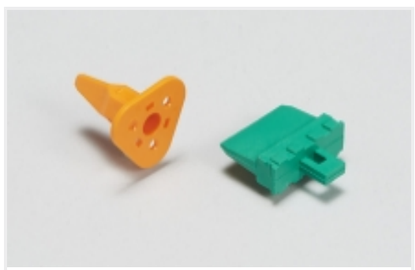


TE Part # 3-1579028-8
EXTRACTION TOOL



TE Part # 967067-2
MQS EINZELLEITDICHT

Also in the Series | MCON 1.2mm



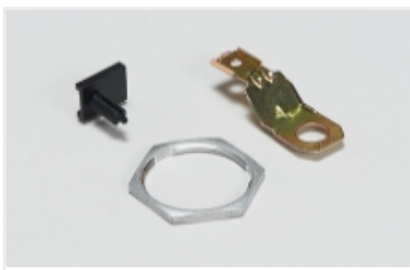
Automotive Connector Locks & Position Assurance(9)



Automotive Seals & Cavity Plugs(16)



Automotive Signal & Power Connector Housings(349)



Other Automotive Connector Accessories(12)

Customers Also Bought



TE Part #ASL006-05PE-HE
RECEPT.ASSY. 2 HOLE MNT.MICRO MK3



TE Part #ASL006-05PD-HE
RECEPT.ASSY. 2 HOLE MNT.MICRO MK3



TE Part #ASL606-05SU-HE
PLUG ASSY. AS MICRO MK3.



TE Part #ASL106-05PC-HE
RECEPT.ASSY. IN-LINE.AS MICRO MK3



TE Part #AS616-35SD
PLUGBOOT TERMINN TYPE 6



TE Part #1718760-2
MCON 1.2 LL TAB SWS AU

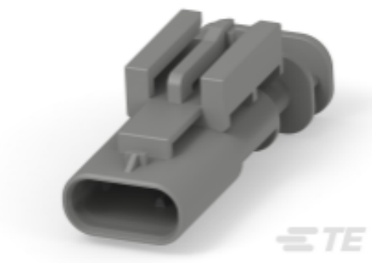


TE Part #1801175-3
2W RECEPTACLE HP CONNECTOR GREY



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

Documents

Product Drawings

2POS, MCON 1.2 LL TAB SEALED COD A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1703498-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1703498-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1703498-1_C.3d_stp.zip

English

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Product Specifications

Application Specification

English