

1-1670917-1 ✓ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 1-1670917-1

12 V / 24 V / 48 V, 3 Position, Automotive Housing for Female

Terminals, Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Black,

MCON 1.2mm

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Automotive Parts > Automotive Connectors > Automotive Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V

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

Number of Positions: 3

Sealable: **Yes**

Operating Temperature Range: -40 – 130 °C [-40 – 266 °F]

Features

Product Type Features

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

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features



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

Contact Features

Contact Size	1.2mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm[.047 in]
Contact Current Rating (Max)	24 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA 66 GF30
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Product Width	26.5 mm[1.04 in]
Product Length	19 mm[.74 in]
Connector Height	14.8 mm[.58 in]

Usage Conditions

Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]
Operating Temperature (Max)	130 °C[266 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IPX4K, IPX9K
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Packaging Features

Packaging Quantity	2000
Packaging Method	Box



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	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 # 2208383-1
5POS, MIXED,HSG,INLET GB



TE Part # CAT-N14-MSTH12128
MCON 1.2, 1-row, 2-8 POS TAB Housing, Sealed



TE Part # 5-1579007-3
EXTRACTION TOOL



TE Part # 964972-1
EINZELLEITERDICHTNG




TE Part # 967067-2
MQS EINZELLEITDICHT



TE Part # 2208383-3
5POS, MIXED,HSG,INLET GB



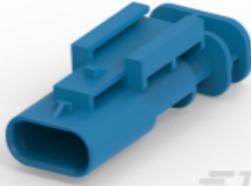
TE Part # 2177786-1
5POS, MIXED,HSG, IEC62196-2 TYPE 2,BK



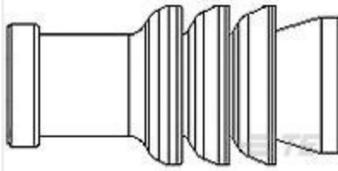
TE Part # 2177786-5
5POS, MIXED,HSG, IEC62196-2 TYPE 2,Left



TE Part # 2177798-1
5POS, MIXED,HSG, IEC62196-2 TYPE 1,BK



TE Part # 5-1703494-1
3POS, MCON 1.2 LL TAB SEALED COD A



TE Part # 967067-1
MQS SGL WIRE SEAL



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



TE Part # 1-1703494-4
3POS, MCON 1.2 LL TAB SEALED COD A



TE Part # CAT-N13-MSLR112
MCON 1.2 Locking Lance Receptacle and Tab Terminals



TE Part # CAT-N13-MSLL12
MCON 1.2 48V Locking Lance Receptacle and Tab Terminals



TE Part # 967056-1
MQS BLINDSTOPFEN4MM



TE Part # 2177786-3
5POS, MIXED,HSG, IEC62196-2 TYPE 2,Top

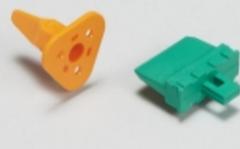


TE Part # 2177786-2
7POS, MIXED,HSG, IEC62196-2 TYPE 2,BK



TE Part # 2177786-7
5POS, MIXED,HSG, IEC62196-2 TYPE 2,right

Also in the Series | **MCON 1.2mm**



Automotive Connector Locks & Position Assurance(9)



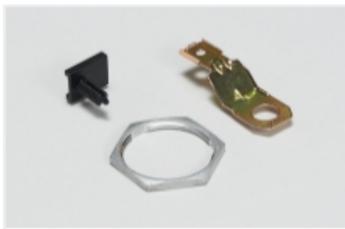
Automotive Housings(352)



Automotive Seals & Cavity Plugs(16)



Automotive Signal & Power Connector Housings(348)



Other Automotive Connector Accessories(12)

Customers Also Bought



TE Part #374002-E
STVR 64 MI AC VV 4-00 GA06 4,0 * 247 E00



TE Part #DT04-12PA-CE09
REC, 12P, BLK, E, XCAP, A



TE Part #184022-1
2 POS. PLUG ASSY, KEY M, BLACK



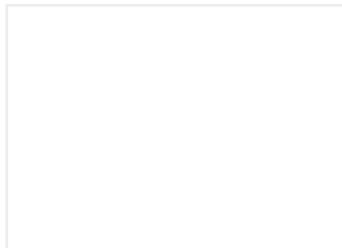
TE Part #2-1670917-1
3POS, MCON 1.2 LL REC SEALED



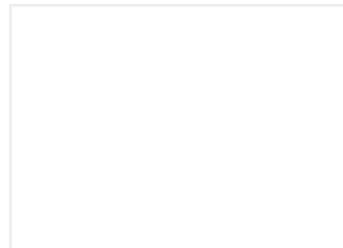
TE Part #2297817-1
SINGLE WIRE SEAL,HPF 1.2,RUBBER



TE Part #2303827-1
COVER ASSEMBLY 114POS



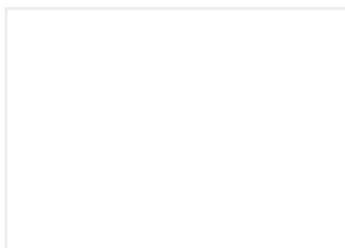
TE Part #PF0001822
P011NT_5K1% 4.7X_68 _____ 2N



TE Part #2119082-2
CAM, SNAIL, INSULATION ADJUST



TE Part #2309993-1
8POS,MOS,REC HSG ASSY,SLD,COD 1



TE Part #2819512-6
HSG ASSY SEALED 38 POS.

Documents

Product Drawings

3POS, MCON 1.2 LL REC SEALED

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1670917-1_F.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1-1670917-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1670917-1_F.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English