MCON | MCON 1.2mm

TE Internal #: 1-1718643-1

2 Position Housing, Housing for Female Terminals, Wire-to-Board / Wire-to-Device / Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable,

MCON 1.2mm

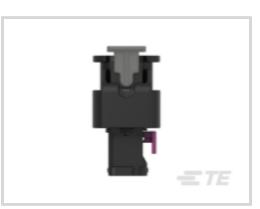
View on TE.com >



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











Number of Positions: 2

Connector & Housing Type: Housing for Female Terminals

Mating Tab Width: 1.2 mm [.047 in]

Connector System: Wire-to-Board, Wire-to-Device, Wire-to-Wire

Centerline (Pitch): 4 mm [.157 in]

All 48V Ready 1.2mm Sealed Connectors (50)

Features

Product Type Features

Product Type Features	
Connector Shape	Rectangular
Mixed & Hybrid Connector	No
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device, Wire-to- Wire
Sealable	Yes
Primary Locking Feature	On the Terminal
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	2
Number of Rows	1
Body Features	

180°

Cable Exit Angle



Contact Size Contact Type Receptacle Mating Tab Width 1.2 mm[.047 in] Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance Mating Alignment Type Mating Alignment Connector Mounting Type Mousing Features Housing Material Centerline (Pitch) Product Width Connector Height Connector Height Connector Height Dimensions Product Jength Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Power Industry Standards Iz mm[.047 in] Iz mm[.047 in] Iz mm[.583 in] Iz mm[.583 in] Iz mere Is a minimum of the minimum of		
Contact Features Contact Size 1.2mm Contact Type Receptacle Mating Tab Width 1.2 mm[047 in] Contact Current Rating (Max) 25 A Mechanical Attachment Terminal Position Assurance Yes Mating Alignment Type Keyed Mating Alignment Type Keyed Mating Alignment Type Cable Mount (Free Hanging) Housing Features Housing Material PA GF Centerline (Pitch) 4 mm[157 in] Dimensions Product Width 26.5 mm[1.043 in] Product Length 15 mm[.591 in] Connector Height 14.8 mm[.593 in] Usage Conditions Operating Temperature (Max) 130 °C(266 °F) Operating Temperature Range 40 – 130 °C(40 – 266 °F) Operating Temperature Range IPAKS IP Rating IPAKS Divided Product Vidth Product Vidth 15 mm[.591 in] Connector Height 15 mm[.591 in] Connector Height 17 mperature Range 180 °C(266 °F) Operating Temperature Range 190 °C(266 °F) Operation Rating 190 °C(2	Primary Product Color	Black
Contact Size Contact Type Receptade Receptade Mating Tab Width 1.2 mm[.047 in] Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance Mating Alignment Type Mating Alignment Type Mating Alignment Connector Mounting Type Housing Features Housing Matorial Centerline (Pitch) Product Width Connector Height 15 mm[.591 in] Connector Height Usage Conditions Operating Temperature Range Operation/Application Circuit Application Fire Rating Product	Connector & Keying Code	A
Contact Type Mating Tab Width Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance Mating Alignment Type Mating Alignment Connector Mounting Type Mousing Features Housing Material Centerline (Pitch) Product Length Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Circuit Application Circuit Application Circuit Standards PRating Other Scruicable Product Pro	Contact Features	
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Mechanical Attachment Terminal Position Assurance Mating Alignment Type Mating Alignment Connector Mounting Type Mating Material Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Product Width Connector Height Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Industry Standards IP Rating Other Serviceable Yes Yes Keyed Keyed Keyed With Coable Mount (Free-Hanging) With Cable Mount (Free-Hanging) Hith Cable Mount (Free-Hanging) Average Application Serviceable Yes Application Assurance Application Industry Standards Ves	Contact Type	Receptacle
Mechanical Attachment Terminal Position Assurance Mating Alignment Type Mating Alignment Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Product Width Connector Height Connector Height As mm[.593 in] Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Industry Standards IP Rating Other Serviceable Yes Yes Keyed Math Reyed Cable Mount (Free-Hanging) With Cable Mount (Free-Hanging) PA GF Abel Mount (Free-Hanging) Abel Mount (Free-Hanging) PA GF Abel Mount (Free-Hanging) Abel Mount (Free-Hangi	Mating Tab Width	1.2 mm[.047 in]
Terminal Position Assurance Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Cable	Contact Current Rating (Max)	25 A
Mating Alignment Type Mating Alignment Connector Mounting Type Housing Features Housing Material Housing Material PA GF Centerline (Pitch) Product Width Connector Height Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Oper	Mechanical Attachment	
Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Centerline (Pitch) Product Width Product Length Connector Height 15 mm[.591 in] Connector Height 130 °C[266 °F] Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application PRoduct Standards PRotice Standards Product Standards Product Standards Product Length Produ	Terminal Position Assurance	Yes
Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Product Width Product Length Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Fower Industry Standards IP Rating Other Serviceable Yes	Mating Alignment Type	Keyed
Housing Features Housing Material PA GF Centerline (Pitch) 4 mm[.157 in] Dimensions Product Width 26.5 mm[1.043 in] Product Length 15 mm[.591 in] Connector Height 14.8 mm[.583 in] Usage Conditions Operating Temperature (Max) 130 °C[266 °F] Operating Temperature Range 40 – 130 °C[-40 – 266 °F] Operating Temperature Maximum Power Industry Standards IP Rating IP6K9K Other Serviceable Yes	Mating Alignment	With
Housing Material Centerline (Pitch) Centerline (Pitch) Product Width Product Length Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Circuit Application IP Rating Other Serviceable PA GF A mm(.157 in) A mm(.157 in) 15 mm(.1043 in) 15 mm(.591 in) 14.8 mm(.583 in) 15 mm(.583 in) 17 mm(.583 in) 18 mm(.583 in) 19 mm(.	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch) Dimensions Product Width Product Length Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Power Industry Standards IP Rating Other Serviceable Yes	Housing Features	
Product Width 26.5 mm[1.043 in] Product Length 15 mm[.591 in] Connector Height 14.8 mm[.583 in] Usage Conditions Operating Temperature (Max) 130 °C[266 °F] Operating Temperature Range -40 – 130 °C[-40 – 266 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP6K9K Other Serviceable Yes	Housing Material	PA GF
Product Width 26.5 mm[1.043 in] Product Length 15 mm[.591 in] Connector Height 14.8 mm[.583 in] Usage Conditions Operating Temperature (Max) 130 °C[266 °F] Operating Temperature Range -40 – 130 °C[-40 – 266 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP6K9K Other Serviceable Yes	Centerline (Pitch)	4 mm[.157 in]
Product Length 15 mm[.591 in] Connector Height 14.8 mm[.583 in] Usage Conditions Operating Temperature (Max) 130 °C[266 °F] Operating Temperature Range -40 – 130 °C[-40 – 266 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP6K9K Other Serviceable Yes	Dimensions	
Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range -40 – 130 °C[-40 – 266 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP6K9K Other Serviceable Yes	Product Width	26.5 mm[1.043 in]
Usage Conditions Operating Temperature (Max) Operating Temperature Range -40 – 130 °C[-40 – 266 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP Reting Other Serviceable Yes	Product Length	15 mm[.591 in]
Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Power Industry Standards IP Rating Other Serviceable Yes	Connector Height	14.8 mm[.583 in]
Operating Temperature Range Operation/Application Circuit Application Power Industry Standards IP Rating Other Serviceable Yes	Usage Conditions	
Operation/Application Circuit Application Industry Standards IP Rating Other Serviceable Yes	Operating Temperature (Max)	130 °C[266 °F]
Circuit Application Power Industry Standards IP Rating IP6K9K Other Serviceable Yes	Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]
Industry Standards IP Rating Other Serviceable Yes	Operation/Application	
IP Rating Other Serviceable Yes	Circuit Application	Power
Other Serviceable Yes	Industry Standards	
Serviceable Yes	IP Rating	IP6K9K
	Other	
Connector Position Assurance Capable Yes	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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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













Cavity Plugs



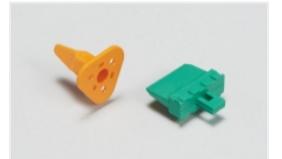




Also in the Series | MCON 1.2mm



Automotive Connector Caps & Covers (14)



Automotive Connector Locks & Position Assurance(9)



Automotive Housings(323)



Automotive Seals & Cavity Plugs(13)



Automotive Terminals(90)

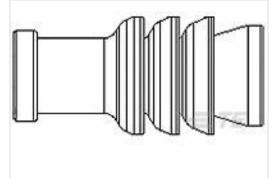


Other Automotive Connector Accessories(12)

Customers Also Bought



TE Part #CAT-M8793-CH8172 MQS, CONNECTOR HOUSING



TE Part #967067-1 MQS SGL WIRE SEAL



TE Part #7-1452665-3 MCON 1.2 LL REC SWS AG



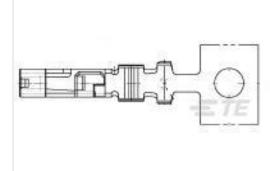
TE Part #7-1452671-1 MCON 1.2 LL REC SWS SN



TE Part #1-1703498-2 2POS, MCON 1.2 LL TAB SEALED COD A



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



TE Part #1871859-1 GIC 2.5 REC CONT TIN PLATE TYPE (MTYPE)



TE Part #2174126-1 WIRE COVER 80POS 0.5/1.0 SEALED CONN





Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1-1718643-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1718643-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1718643-1_E.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