

1-1718645-1 ✓ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 1-1718645-1

12 V, 4 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Device / Wire-to-Wire, 4 mm [.157 in] Centerline, 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: 4

Sealable: **Yes**

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

[All 48V Ready 1.2mm Sealed Connectors \(145\)](#)

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-Board, Wire-to-Device, Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	12 VDC
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Nominal Voltage Architecture	12 V
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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)	25 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	28.5 mm[1.12 in]
Product Length	24.7 mm[.97 in]
Connector Height	16.5 mm[.65 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	1500
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Packaging Method	Box
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Other

Serviceable	Yes
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Connector Position Assurance Capable	Yes
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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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
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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
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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 # 5-1564559-1
4POS, MCON 1.2 LL TAB SEALED
COD A



TE Part # 2295767-1
4POS, MCON 1.2CB, REC HOUSING



TE Part # 2141970-1
MCON 1.2 LL REC SWS SN




TE Part # 1-2295768-1
4POS, MCON 1.2CB, INNER
HOUSING



TE Part # CAT-N13-MSLR12
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 # 2295770-1
4POS, MCON 1.2CB, RETAINER



TE Part # 5-2356143-1
V23330L1101A400-EV-CBOX




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

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



Automotive Connector Locks &
Position Assurance(9)




Automotive Housings(352)



Automotive Seals & Cavity Plugs(16)

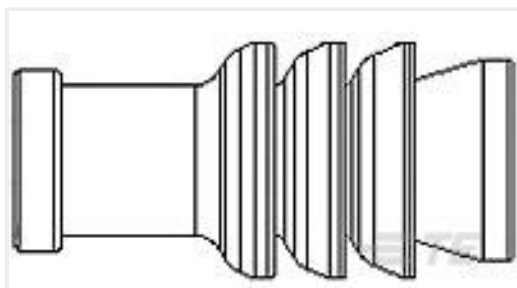


Automotive Signal & Power Connector
Housings(348)



Other Automotive Connector
Accessories(12)

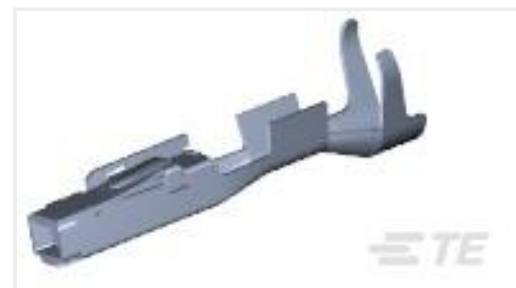
Customers Also Bought



TE Part #967067-1
MQS SGL WIRE SEAL



TE Part #5-1393292-8
V23074A2001A402-EV-CBOX



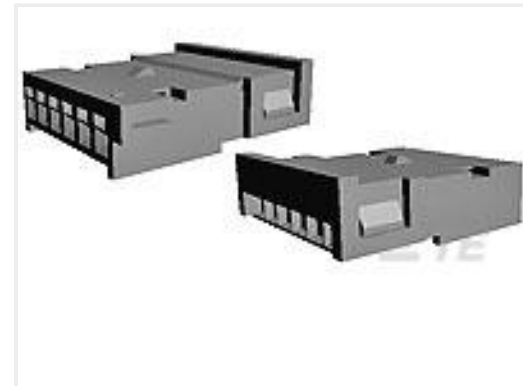
TE Part #7-1452668-1
MCON 1.2 LL REC SWS SN



TE Part #1-1719393-1
8POS, MCON 1.2 LL REC SEALED



TE Part #2098164-2
Cover, 60 Position PDM, No Fuse Holder



TE Part #936289-5
6POS MQS REC COD E



TE Part #3-953657-1
5W TAB HSG ASSY



TE Part #962904-2
TAB AS 4.8x0.8 CONTACT CF SRC Sn



TE Part #2341055-2
SEAL RETAINER, ASSY, HVA280 2PHI



TE Part #1-2361027-1
PLUG ASSY, KEY A, CPA, HVA280-2PHI, HB

Documents

Product Drawings

4POS, MCON 1.2 LL REC SEALED

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1718645-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1718645-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1718645-1_F.3d_stp.zip](#)

English

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Product Specifications



Application Specification

English