



MCON | MCON 1.2mm

TE Internal #: 1-1718806-1

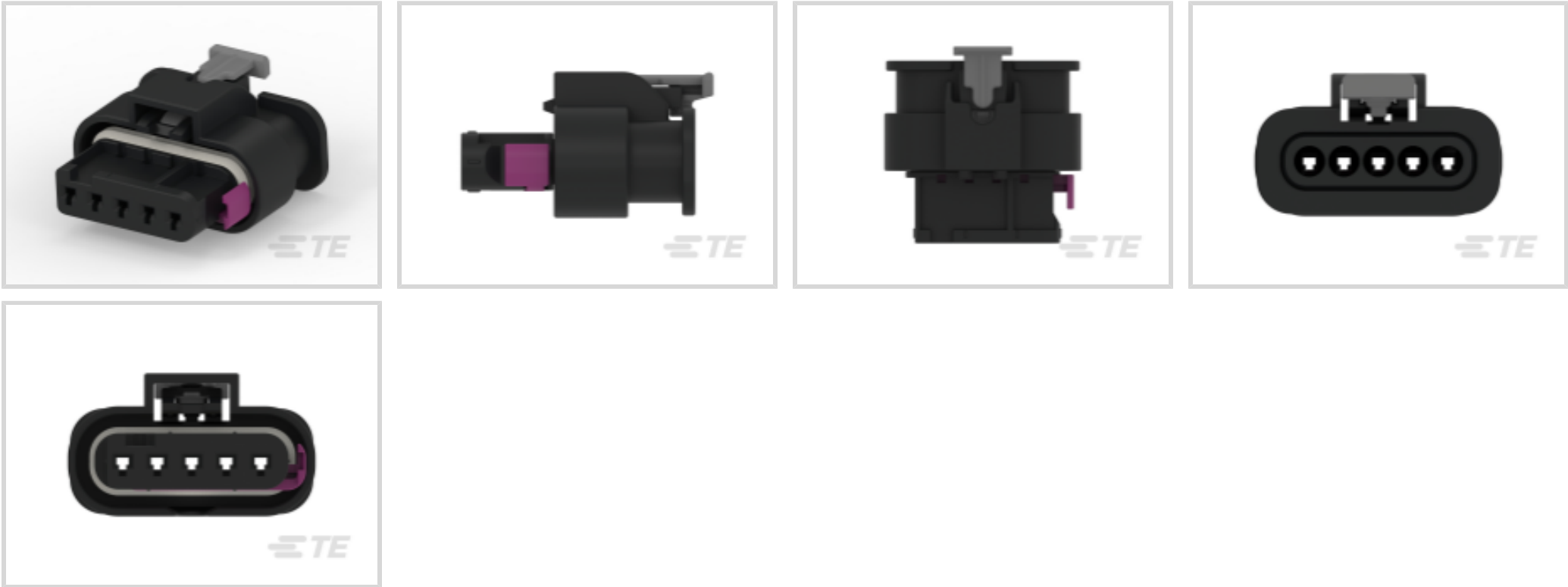
12 V / 24 V / 48 V, 5 Position, Automotive Housing for Female

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

MCON 1.2mm

[View on TE.com >](#)

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



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

Connector & Housing Type: Housing for Female Terminals

Number of Positions: 5

Sealable: Yes

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

[All 48V Ready 1.2mm Sealed Connectors \(183\)](#)

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	5
Number of Rows	1

Electrical Characteristics

Nominal Voltage Architecture	12 V, 24 V, 48 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)	15 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	PA 66 GF30
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Product Width	28.5 mm[1.12 in]
Product Length	28.7 mm[1.13 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 Method	Box
Packaging Quantity	1000



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 # 1-2141520-1
5POS, MCON 1.2 LL TAB SEALED
COD A



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



TE Part # 2295773-1
5POS, MCON 1.2CB, RETAINER



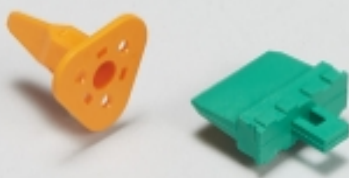
TE Part # CAT-N13-MSLLT12
MCON 1.2 48V Locking Lance
Receptacle and Tab Terminals





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

Also in the Series | MCON 1.2mm



Automotive Connector Locks & Position Assurance(9)



Automotive Housings(354)



Automotive Seals & Cavity Plugs(16)

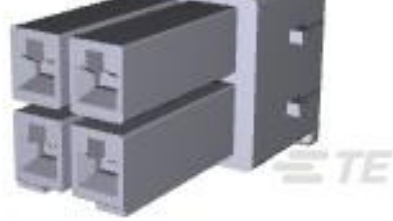


Automotive Signal & Power Connector Housings(350)



Other Automotive Connector Accessories(12)

Customers Also Bought



TE Part #177900-6
POWER DBL LOCK PLUG HSG 4P



TE Part #7-1452668-3
MCON 1.2 LL REC SWS AG



TE Part #7-2150017-7
OCEAN_2.0_SPARE_PART_KIT-070F130F



TE Part #7-2151061-7
OCEAN_2.0_SPARE_PART_KIT-080F110O



TE Part #7-2266881-7
OCEAN_2.0_SPARE_PART_KIT-059F126O

TE Part #A1004BT22P17-F
NTC THERMISTOR ASSEMBLY

TE Part #A1004BT22P2-F
TEMPERATURE SENSING PROBE

TE Part #A1004BT22P20-F
NTC THERMISTOR ASSEMBLY



TE Part #A1004BT22P1-F
NTC THERMISTOR ASSEMBLY

TE Part #2843101-1
OUTER HSG ASSY, HC-STAK25 XE, HDR, A

Documents

Product Drawings

5POS, MCON 1.2 LL REC SEALED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1718806-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1718806-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1718806-1_E.3d_stp.zip

English

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Product Specifications

Application Specification

English