2-1718644-1 ✔ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 2-1718644-1

12 V / 24 V / 48 V, 3 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, 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-Board, Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180 °

Primary Product Color	Natural
Connector & Keying Code	B

Contact Features

Contact Size	1.2mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm[.047 in]

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[1.043 in]
Product Length	19 mm[.748 in]
Connector Height	14.8 mm[.583 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IPX9K

Packaging Features

Packaging Quantity	2000
Packaging Method	Box

Other

Serviceable	Yes

Connector Position Assurance Capable	Yes

Product Compliance

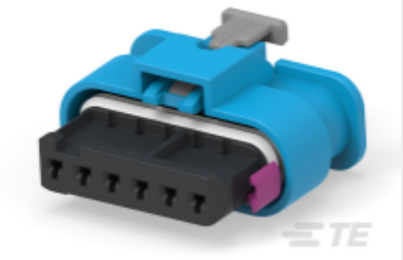
For compliance documentation, visit the product page on TE.com>

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

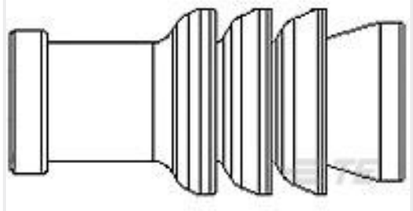
Product Compliance Disclaimer

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 # CAT-N14-RC4812
48V Ready 1.2mm Sealed Connectors



TE Part # 967067-1
MQS SGL WIRE SEAL

TE Part # 2208317-2
3POS,MCON 1.2,REC HSG,SEALED



TE Part # 5-1579007-3
EXTRACTION TOOL



TE Part # 967067-2
MQS EINZELLEITDICHT

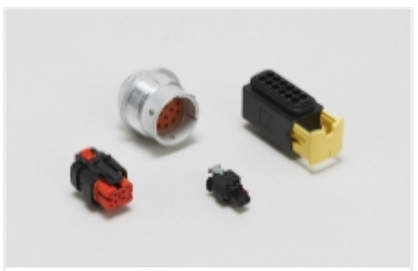


TE Part # CAT-N13-MSLLT12
MCON 1.2 48V Locking Lance Receptacle and Tab Terminals

Also in the Series | MCON 1.2mm



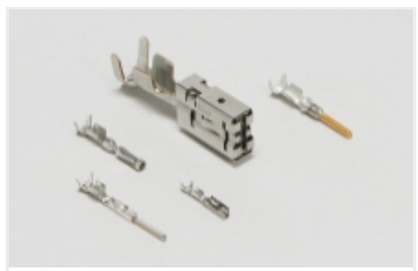
Automotive Connector Caps & Covers (15)



Automotive Housings(354)



Automotive Seals & Cavity Plugs(16)

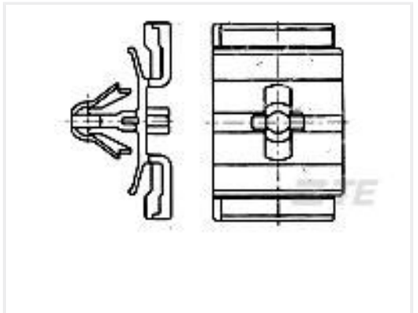


Automotive Terminals(90)

Customers Also Bought



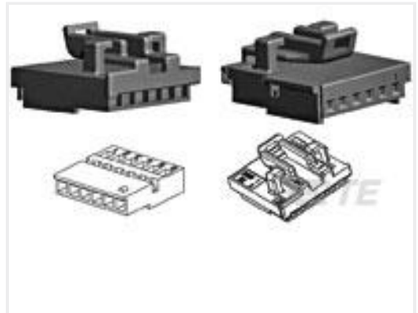
TE Part #539515-000
ES2000-NO.3-B8-0-65MM



TE Part #282322-1
HOOK FOR SEALED SEC.CONN.



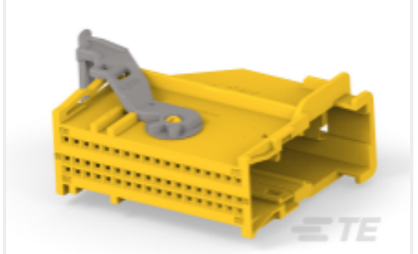
TE Part #284321-1
12 POS.MQS SHELL FOR STEERING



TE Part #284802-1
6POS MQS REC COD A



TE Part #1-1718644-1
3POS, MCON 1.2 LL REC SEALED

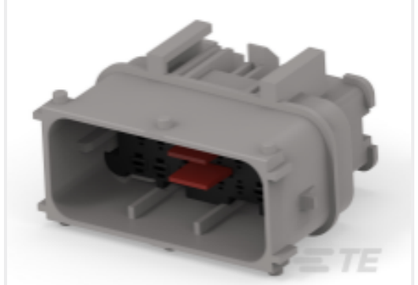


TE Part #2098966-1
54 WAY SHIELD ASSEMBLY, KEY AF

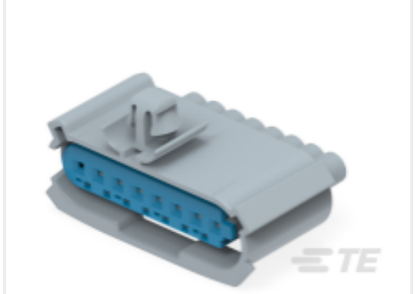


TE Part #2112502-1
38POS, MIXED,REC HSG,ASSY, SEALED

TE Part #447325-000
ES2000-NO.3-B8-0-40MM



TE Part #1745044-2
24 POS MALE CONN.SEALED FOR TAB1.5/2.8



TE Part #2309993-2
8POS,MQS,REC HSG ASSY,SLD,COD 2

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_2-1718644-1_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1718644-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1718644-1_F.3d_stp.zip

English

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Product Specifications

Application Specification

English