

**1-1670921-1**  ACTIVE**MCON | MCON 1.2mm**

TE Internal #: 1-1670921-1

5 Position Housing, Housing for Female Terminals, Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Black, Wire &amp; Cable, Power, MCON 1.2mm

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Number of Positions: 5

Connector &amp; Housing Type: Housing for Female Terminals

Mating Tab Width: 1.2 mm [.047 in]

Connector System: Wire-to-Wire

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

## Features

### Product Type Features

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

### Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 5 |
| Number of Rows      | 1 |

### Electrical Characteristics

|                              |        |
|------------------------------|--------|
| Operating Voltage            | 12 VDC |
| Nominal Voltage Architecture | 12 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) | 25 A            |

#### Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Terminal Position Assurance | Yes                        |
| Mating Alignment Type       | Keyed                      |
| Mating Alignment            | With                       |
| Connector Mounting 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   | 28.7 mm[1.13 in]  |
| Connector Height | 16.5 mm[.65 in]   |

#### Usage Conditions

|                             |  |
|-----------------------------|--|
| Operating Temperature (Max) | 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F]<br>[212 °F][221 °F][230 °F][248 °F][257 °F][266 °F] |
| Operating Temperature Range | -40 – 130 °C[-40 – 266 °F]   |

#### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

#### Industry Standards

|           |        |
|-----------|--------|
| IP Rating | IP6K9K |
|-----------|--------|

#### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Box  |
| Packaging Quantity | 1000 |

#### Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | No  |

## Product Compliance

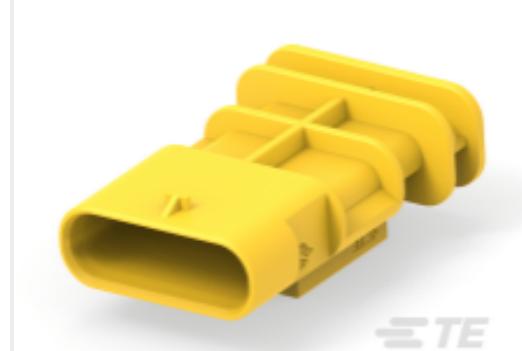
For compliance documentation, visit the product page on [TE.com](http://TE.com)>

|   |   |
|---|---|
| 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<br>(247)<br>Candidate List Declared Against: JAN 2025<br>(247)<br>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

|   |   |  |   |
|---|---|--|---|
| <br>TE Part # 5-1579007-3<br>EXTRACTION TOOL | <br>TE Part # 1-2141520-4<br>5POS, MCON 1.2 LL TAB SEALED COD A | <br>TE Part # 2-2236954-5<br>5POS, MCON 1.2 LL TAB SEALED COD B | <br>TE Part # CAT-N13-MSLLT12<br>MCON 1.2 48V Locking Lance Receptacle and Tab Terminals |
|---|---|--|---|

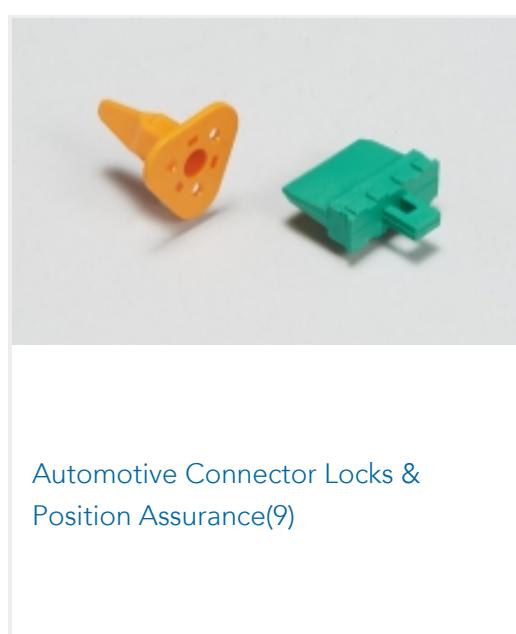


TE Part # CAT-NC1-NMA12  
NextGen & NextGen Plus MCON 1.2  
Locking Lance Single Wire Seals and  
Cavity Plugs

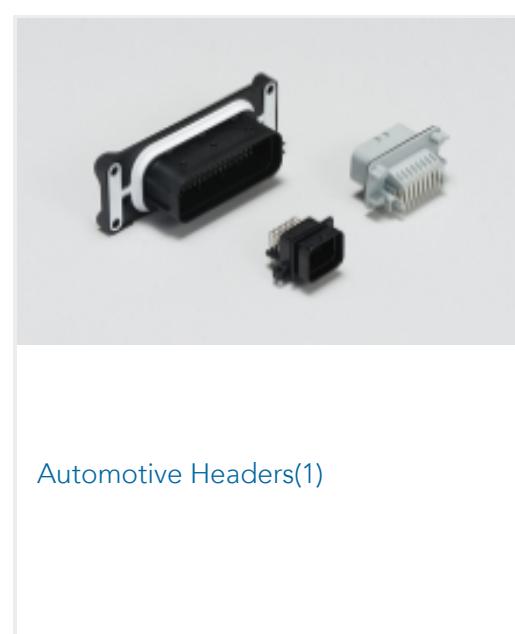


TE Part # CAT-N14-RC4812  
48V Ready 1.2mm Sealed Connectors

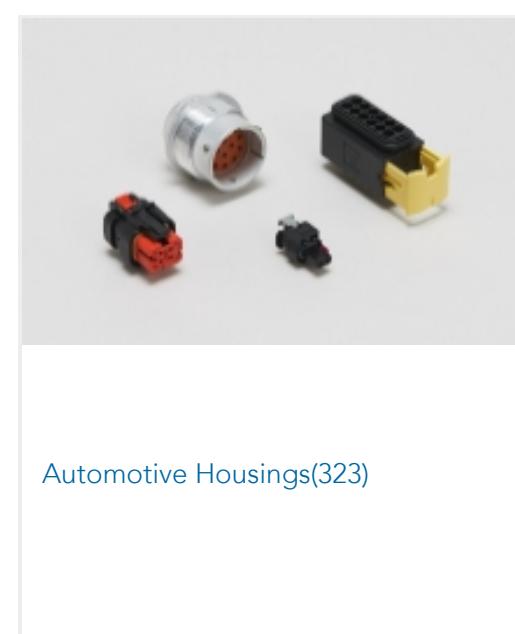
## Also in the Series | MCON 1.2mm



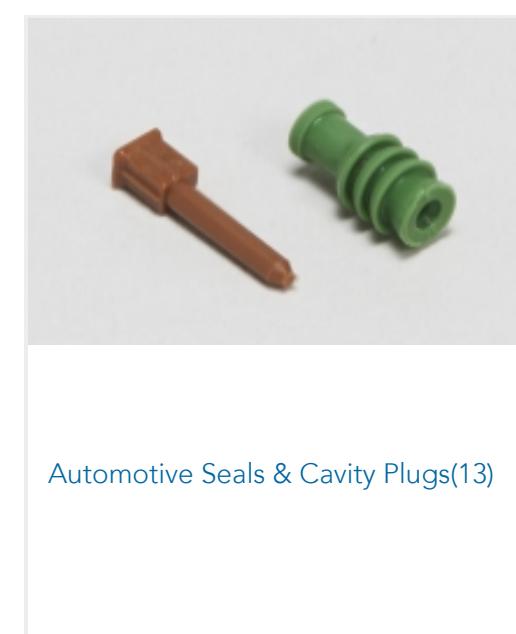
Automotive Connector Locks &  
Position Assurance(9)



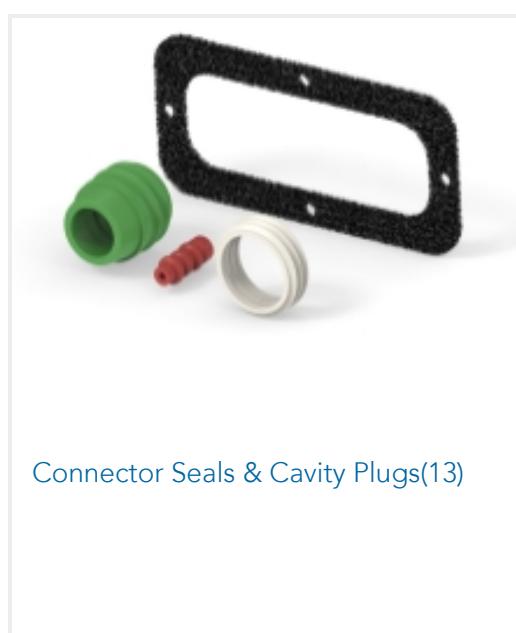
Automotive Headers(1)



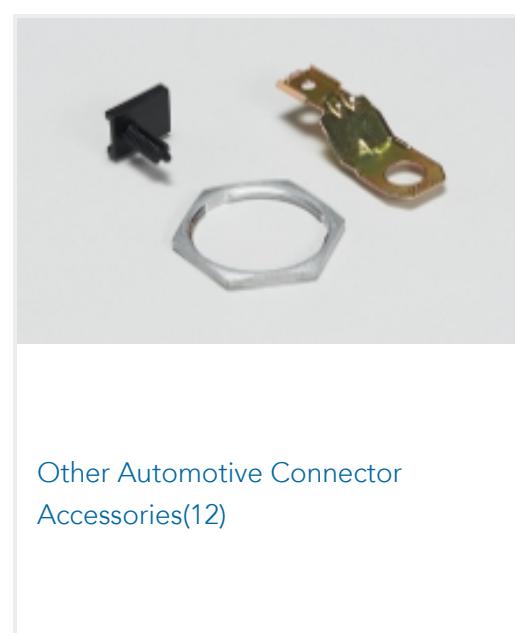
Automotive Housings(323)



Automotive Seals & Cavity Plugs(13)



Connector Seals & Cavity Plugs(13)



Other Automotive Connector  
Accessories(12)

## Customers Also Bought



TE Part #776537-1  
AS16,CAP ASSY,ST,06P,E SEAL,CODE  
A



TE Part #3-967402-1  
2.5MM PIN HOUSING, 2-4POS.,ASS



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



TE Part #2302639-1  
FINGER PROT CAP,8MM HV,180DEG,  
UL94V-0



TE Part #2355806-1  
CONNECTOR CLIP,CONN KIT



TE Part #2405028-1  
26POS,HYBRID,PIN HSG ASSY,SLD,  
COD A



TE Part #154718-4  
PL 250 REC TERMINAL 17-15 AWG  
TPPB



TE Part #2310923-2  
2P 8MM HV,PLUG HSG,ASSY,SEALED,  
V0,B



## Documents

### Product Drawings

#### 5POS, MCON 1.2 LL REC SEALED

English

#### 5POS, MCON 1.2 LL REC SEALED

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1670921-1\\_E.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1670921-1\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1670921-1\\_E.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English