



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 Male Terminals

Number of Positions: 6

Sealable: Yes

Operating Temperature Range: -40 – 125 °C [ -40 – 257 °F ]

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

Features

Product Type Features

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

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 6 |
| Number of Rows      | 1 |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 14 VDC |
|-------------------|--------|



|                              |                  |
|------------------------------|------------------|
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |
|------------------------------|------------------|

Body Features

|                         |       |
|-------------------------|-------|
| Cable Exit Angle        | 180 ° |
| Primary Product Color   | Black |
| Connector & Keying Code | A     |

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Size                 | 1.2mm           |
| Contact Type                 | Tab             |
| Mating Tab Width             | 1.2 mm[.047 in] |
| Contact Current Rating (Max) | 24 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   | PBT GF        |
| Centerline (Pitch) | 4 mm[.157 in] |

Dimensions

|                  |                  |
|------------------|------------------|
| Product Width    | 44 mm[1.732 in]  |
| Product Length   | 32.2 mm[1.27 in] |
| Connector Height | 16.3 mm[.642 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |
| Operating Temperature (Max) | 125 °C[257 °F]             |

Operation/Application

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

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 750 |
|--------------------|-----|

Other

|  |  |
|--|--|
|  |  |
|--|--|



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

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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                          |
| Solder Process Capability                     | Not reviewed 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 # 3-1579028-8  
EXTRACTION TOOL



TE Part # 1-2395646-1  
6POS,NEXTGEN, MCON 1.2 LL REC, SLD,COD A



TE Part # 1-2378606-1  
6POS,NEXTGEN, MCON 1.2 LL REC, SLD,COD A



TE Part # 3-1579028-7  
TOOL FOR SECONDARY LOCK



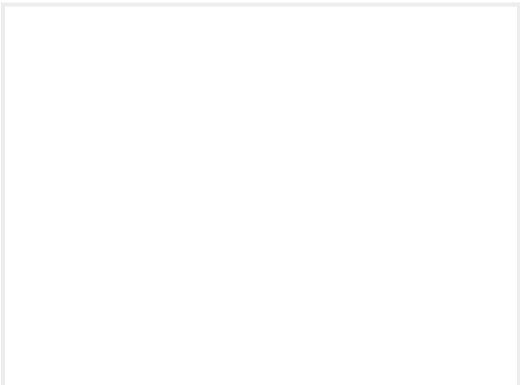
TE Part # 1-1718646-6  
6POS, MCON 1.2 LL REC SEALED



TE Part # 1-1670919-1  
6POS, MCON 1.2 LL REC SEALED



TE Part # 1-2141325-1  
6POS,TAB 1.2X0.6,TAB HSG,SEALED, CODA



TE Part # 1-2378606-6  
6POS,NEXTGEN, MCON 1.2 LL REC, SLD,COD A



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



TE Part # 1718761-3  
MCON 1.2 LL TAB SWS AG LP

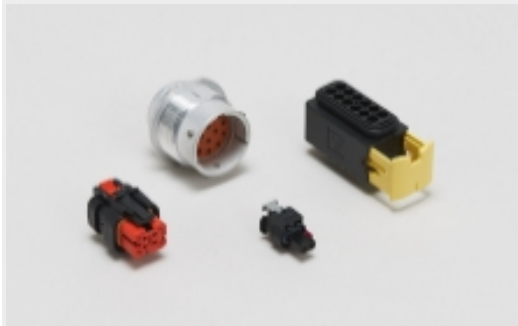


TE Part # 1-1718646-1  
6POS, MCON 1.2 LL REC SEALED

Also in the Series | MCON 1.2mm



Automotive Connector Caps & Covers (15)



Automotive Housings(354)



Automotive Seals & Cavity Plugs(16)

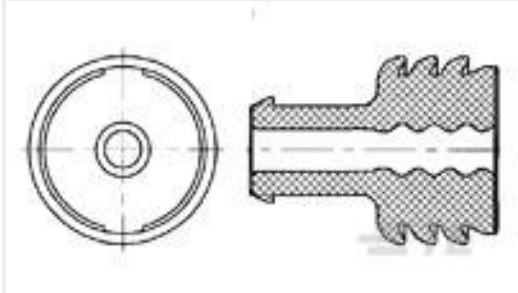


Automotive Terminals(90)

Customers Also Bought



TE Part #6776556002  
RPPM-NR510-X-35MM



TE Part #967653-1  
MPQ BLINDSTOPFEN6,4



TE Part #1379118-2  
6POS MQS TAB



TE Part #1801175-3  
2W RECEPTACLE HP CONNECTOR GREY



TE Part #1801175-6  
2W RECEPTACLE HP CONNECTOR BROWN



TE Part #1-1801175-3  
2W RECEPTACLE HP CONNECTOR GREY



TE Part #1-1801175-5  
2W RECEPTACLE HP CONNECTOR GREEN



TE Part #1801177-4  
3W TAB CONNECTOR HP YELLOW



Documents

Product Drawings

6POS, MCON 1.2 LL TAB SEALED COD A

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-2141324-1\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2141324-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2141324-1\_A.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