# 2272975-2 ✔ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 2272975-2

12 V, 6 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 2.54 mm [.1 in] Centerline, Sealable, Black, Wire & Cable, Signal, 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: **6**

Sealable: **Yes**

Operating Temperature Range: **-40 – 150 °C [ -40 – 302 °F ]**

All 48V Ready 1.2mm Sealed Connectors (182)

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Nominal Voltage Architecture | 12 V |

## Body Features

| | |
|---|---|
| Cable Exit Angle | 90° |
| Primary Product Color | Black |
| 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 GF |
| Centerline (Pitch) | 2.54 mm[.1 in] |

## Dimensions

| | |
|---|---|
| Product Width | 32.65 mm[1.28 in] |
| Product Length | 24.5 mm[.964 in] |
| Connector Height | 18.3 mm[.72 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 150 °C[-40 – 302 °F] |
| Operating Temperature (Max) | 150 °C[302 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Signal |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 1 |
| Packaging Method | Bulk |

## Other

| | |
|---|---|
| Serviceable | No |
| 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 | No Restricted Materials 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>SVHC > Threshold:<br>Decamethylcyclopentasiloxane (D5) (.5% in M-15289-1)<br>Octamethylcyclotetrasiloxane (D4) (.5% in M-15289-1)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in M-15289-1)<br>**Article Safe Usage Statements:**<br>Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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 # 2272976-4
Straight Wire Dress



TE Part # 2272976-3
Right Angle Wire Dress



TE Part # CAT-M4595-T273
MCON Receptacle and Tab

TE Part # 2138295-1
6 Pos MCON Inner Hsg

TE Part # 2098221-1
6 Way Peripheral Seal



TE Part # 2272976-2
Right Angle Wire Dress



TE Part # 2272974-2
6 POS MCON OUTER HSG KEY B

TE Part # 2138289-1
6 Pos MCON ISL

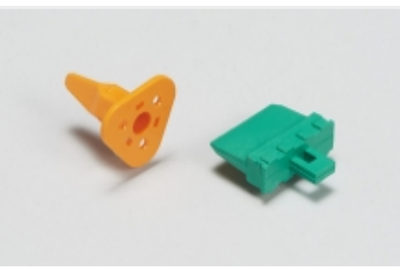
TE Part # 2138290-1
6 Pos MCON Mat Seal

TE Part # 2138291-2
6 Pos MCON CPA



TE Part # 2272976-5
REC CONN CVR,6POS,MCON 1.2,180 DEG

## Also in the Series | MCON 1.2mm



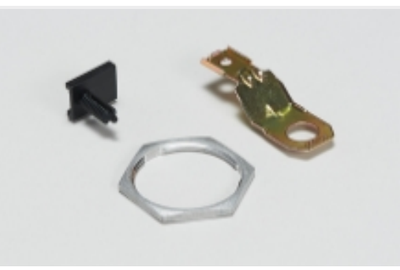
Automotive Connector Locks & Position Assurance(9)



Automotive Housings(353)



Automotive Seals & Cavity Plugs(16)



Other Automotive Connector Accessories(12)

## Customers Also Bought



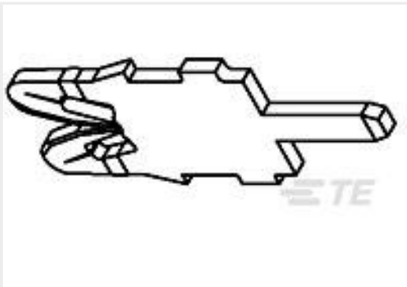
TE Part #CAT-J41-DDPC
DEUTSCH DT Plug Connectors



TE Part #K1022530
Switch guard 07-0-0-01



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



TE Part #1601095-2
131-165-014=TAB,PCB,STD,SMZ



TE Part #2272975-1
6 Pos. Sealed MCON 1.2 Connect



TE Part #2272976-5
REC CONN CVR,6POS,MCON 1.2,180 DEG

## Documents

### Product Drawings

6 Pos. Sealed MCON 1.2 Connect

English

### CAD Files

Customer View Model

ENG_CVM_CVM_2272975-2_A1.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2272975-2_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2272975-2_A1.2d_dxf.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Instruction Sheets

Instruction Sheet (U.S.)

English