

2272975-2

✓ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 2272975-2

6 Position Housing, Housing for Female Terminals, Wire-to-Wire,  
 2.54 mm [.1 in] Centerline, Sealable, Black, Wire & Cable, Signal,  
 MCON 1.2mm

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Automotive Parts &gt; Automotive Connectors &gt; Automotive Housings



Connector &amp; Housing Type: Housing for Female Terminals

Number of Positions: 6

Sealable: Yes

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

Number of Rows: 1

## 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
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### Body Features

Cable Exit Angle	90°
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Primary Product Color	Black
Connector & Keying Code	B
<b>Contact Features</b>	
Contact Size	1.2mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm[.047 in]
<b>Mechanical Attachment</b>	
Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
<b>Housing Features</b>	
Housing Material	PA GF
Centerline (Pitch)	2.54 mm[.1 in]
<b>Dimensions</b>	
Product Width	32.65 mm[1.28 in]
Product Length	24.5 mm[.964 in]
Connector Height	18.3 mm[.72 in]
<b>Usage Conditions</b>	
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]
Operating Temperature (Max)	150 °C[302 °F]
<b>Operation/Application</b>	
Circuit Application	Signal
<b>Packaging Features</b>	
Packaging Quantity	1
Packaging Method	Bulk
<b>Other</b>	
Serviceable	No
Connector Position Assurance Capable	Yes

## 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	<p>Current ECHA Candidate List: JAN 2025 (247)</p> <p>Candidate List Declared Against: JAN 2025 (247)</p> <p>SVHC &gt; Threshold:</p> <p>Dodecamethylcyclohexasiloxane (D6) (.5% in 27520269100)</p> <p>Decamethylcyclopentasiloxane (D5) (.5% in M-14114-1)</p> <p>Octamethylcyclotetrasiloxane (D4) (.5% in 27519360986)</p> <p><b>Article Safe Usage Statements:</b> Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
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>

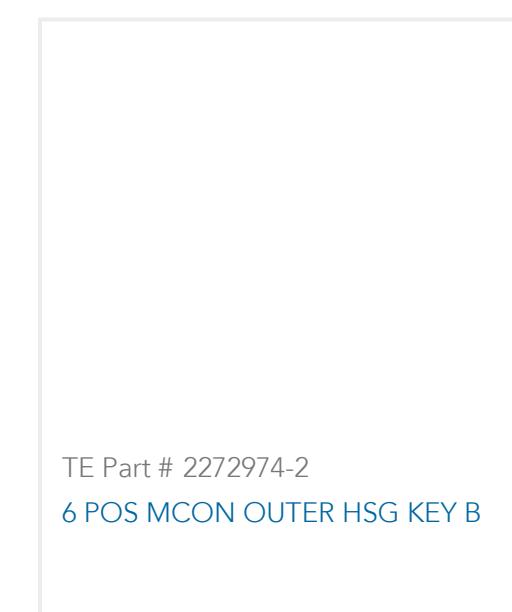
## Compatible Parts



TE Part # 2272975-4  
Straight Wire Dress



TE Part # 2138289-1  
6 Pos MCON ISL



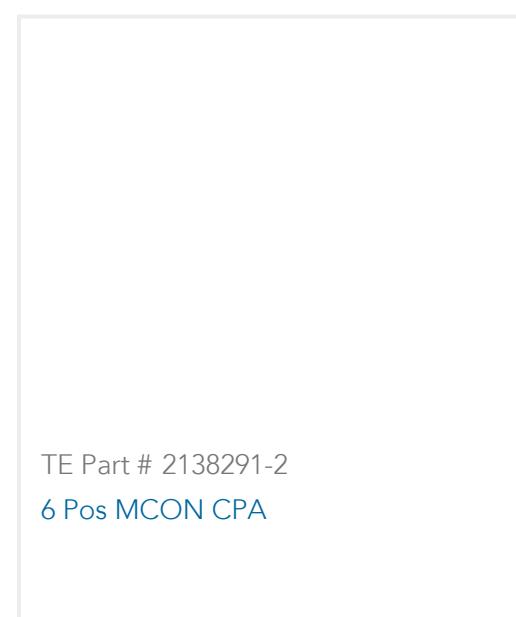
TE Part # 2272974-2  
6 POS MCON OUTER HSG KEY B



TE Part # 2138290-1  
6 Pos MCON Mat Seal



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



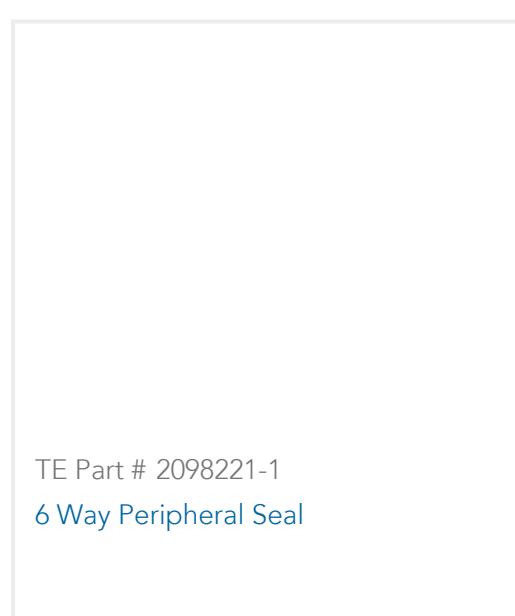
TE Part # 2138291-2  
6 Pos MCON CPA



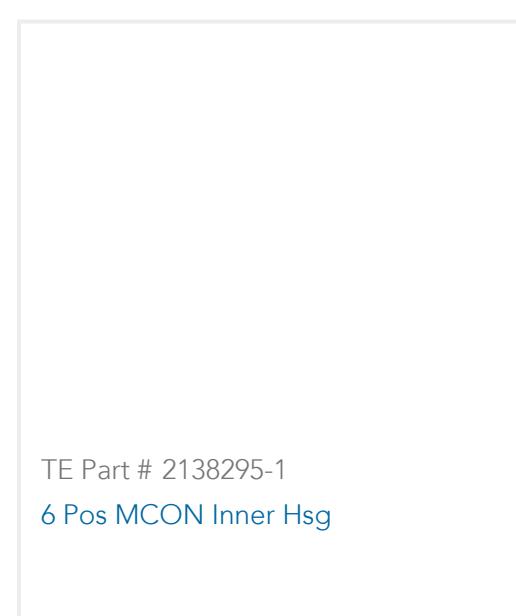
TE Part # CAT-M4595-T273  
MCON Receptacle and Tab



TE Part # 2272976-3  
Right Angle Wire Dress



TE Part # 2098221-1  
6 Way Peripheral Seal

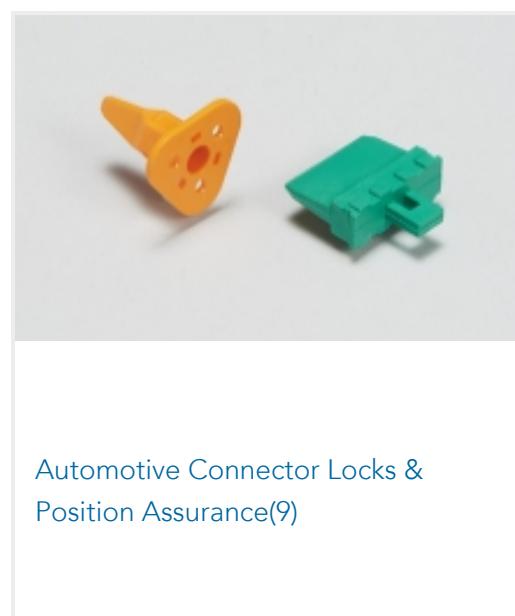


TE Part # 2138295-1  
6 Pos MCON Inner Hsg

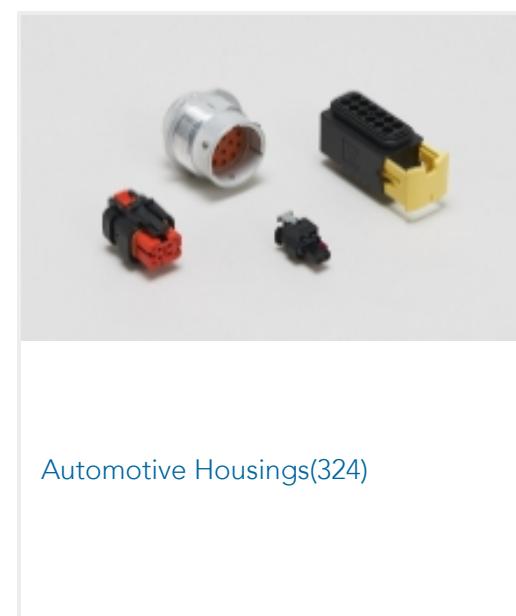


TE Part # 2272976-2  
Right Angle Wire Dress

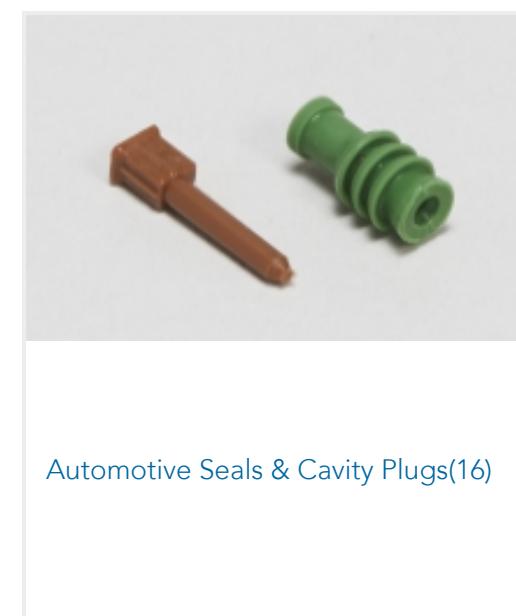
## Also in the Series | MCON 1.2mm



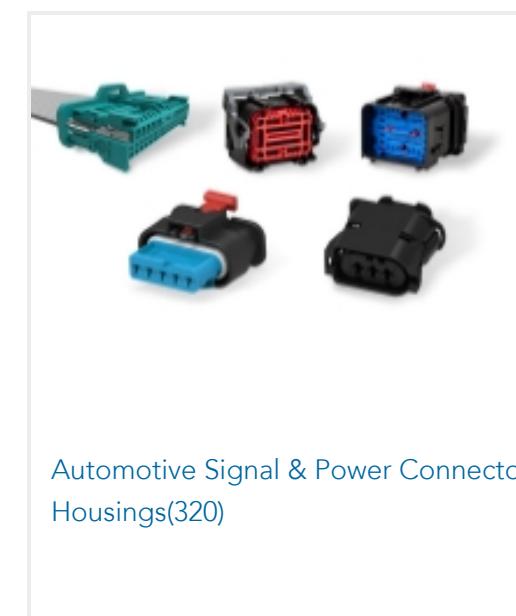
Automotive Connector Locks &  
Position Assurance(9)



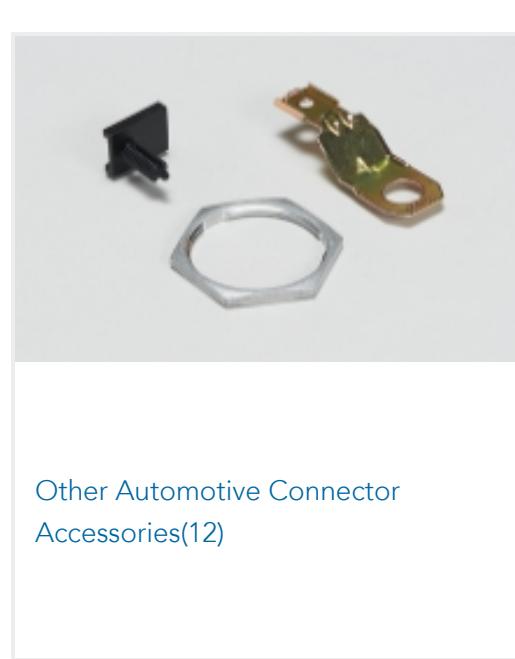
Automotive Housings(324)



Automotive Seals & Cavity Plugs(16)

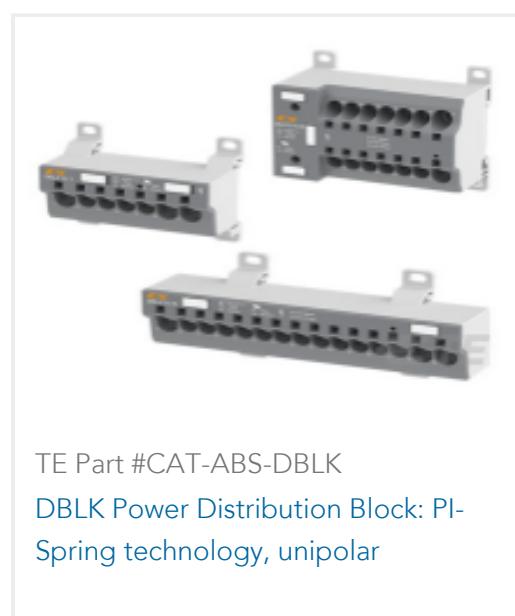


Automotive Signal & Power Connector  
Housings(320)



Other Automotive Connector  
Accessories(12)

## Customers Also Bought



TE Part #CAT-ABS-DBLK  
DBLK Power Distribution Block: PI-Spring technology, unipolar



TE Part #DT04-48P-B016  
REC, 48P, GRY, N, FLANGE, ABCD



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



TE Part #749805-7  
KIT,HDP-20,PLUG,SIZE 1, 9 POSN



## Documents

### Product Drawings

#### 6 Pos. Sealed MCON 1.2 Connect

English

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### 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

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English