

1-1718644-1 ✓ ACTIVE

AMP | MCON Interconnection System

TE Internal #: 1-1718644-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Wire / Wire-to-Device, 3 Position, .157 in [4 mm] Centerline, MCON

Interconnection System

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > MCON, CONNECTOR HOUSING



Connector & Housing Type: **Housing for Female Terminals**

Mating Tab Width: **1.2 mm [ .047 in ]**

Connector System: **Wire-to-Board, Wire-to-Device, Wire-to-Wire**

Number of Positions: **3**

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

[All MCON, CONNECTOR HOUSING \(283\)](#)

## Features

### Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device, Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal

### Configuration Features

Number of Positions	3
Number of Rows	1

### Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

### Body Features

Cable Exit Angle	180°
Body Material	PA GF
Primary Product Color	Black



Connector Code	A
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#### Contact Features

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

#### Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

#### Housing Features

Centerline (Pitch)	4 mm[.157 in]
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#### Dimensions

Product Width	26.5 mm[1.043 in]
Product Length	19 mm[.748 in]
Product Height	14.8 mm[.583 in]

#### Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F]
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Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]
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#### Operation/Application

Circuit Application	Signal
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#### Industry Standards

Degree of Protection	IP6K9K
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#### 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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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>

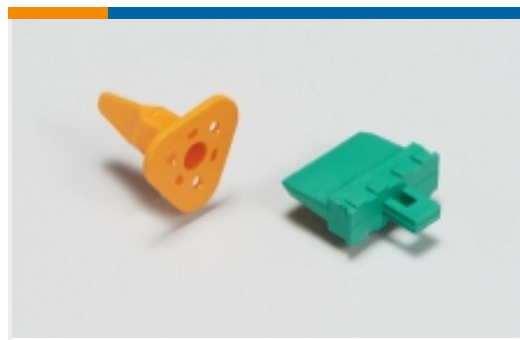
## Compatible Parts

 <p>TE Part # CAT-M4595-CH8172 MCON, CONNECTOR HOUSING</p>	 <p>TE Part # CAT-M4595-T273 MCON, RECEPTACLE AND TAB</p>	 <p>TE Part # 1-2219370-2 BULB ASSY FOR T20/T2 WIRELESS BK</p>
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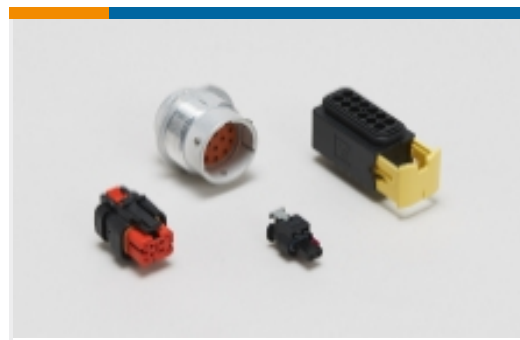
Also in the Series | [MCON Interconnection System](#)



Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(11)



Automotive Housings(288)



Automotive Seals & Cavity Plugs(4)



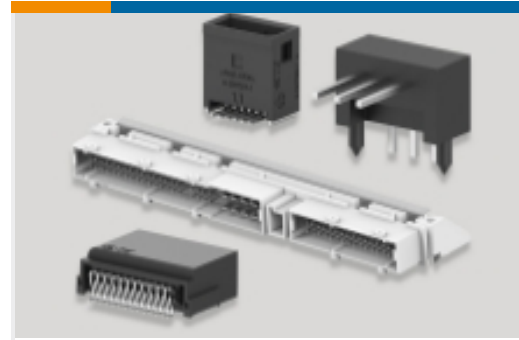
Automotive Terminals(113)



Insertion & Extraction Tools(31)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)

## Customers Also Bought



TE Part #7-1452671-3  
MCON, RECEPTACLE AND TAB



TE Part #1-2208461-3  
AMP MCP 6.3/4.8K,TERMINAL,FUSE 0.64



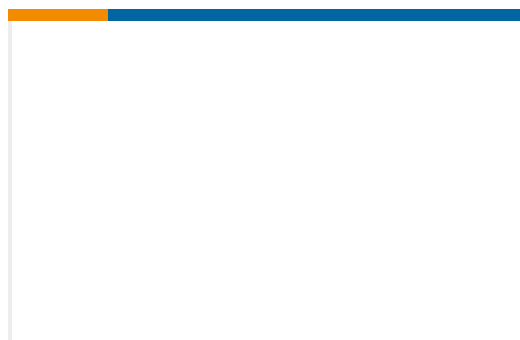
TE Part #3-1633920-9  
ANVIL, COMBINATION



TE Part #7-1633305-1  
CRIMPER, WIRE PREMIUM



TE Part #1924580-1  
ASSEMBLY SOCKET LOOSE PC GOLD



TE Part #1490059-1  
FOOT, TONK



TE Part #5-2203663-8  
2X9 SEALED PLUG ASSY CPA KEY B



TE Part #6-2203663-2  
2X9 SEALED PLUG ASSY CPA KEY B



TE Part #6-2203663-6  
2X9 SEALED PLUG ASSY CPA KEY C

## Documents



### Product Drawings

#### 3POS, MCON 1.2 LL REC SEALED

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1718644-1\\_F.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1718644-1\\_F.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1718644-1\\_F.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### MCON Interconnection System

English

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English