



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



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

Mating Tab Width: **1.2 mm, 2.8 mm [ .047 in, .11 in ]**

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

Number of Positions: **58**

Centerline (Pitch): **2.5 mm, 3 mm, 5 mm [ .098 in, .118 in, .197 in ]**

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

## Features

### Product Type Features

Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	Yes
Hybrid Connector	Yes
Primary Locking Feature	Integrated in Housing

### Configuration Features

Number of Positions	58
Number of Rows	4

### Electrical Characteristics

Operating Voltage	14 VDC
Nominal Voltage Architecture	12 V

### Body Features

Cable Exit Angle	Other
Body Material	PA GF
Primary Product Color	Black

### Contact Features



Contact Size	1.2mm, 2.8mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm, 2.8 mm [.047 in][.11 in]

### Mechanical Attachment

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

### Housing Features

Centerline (Pitch)	2.5 mm, 3 mm, 5 mm [.098 in][.118 in][.197 in]
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### Dimensions

Product Width	42 mm [1.654 in]
Product Length	56.9 mm [2.24 in]
Product Height	35.7 mm [1.406 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 [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]

### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Quantity	360
Packaging Method	Box

### 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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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>

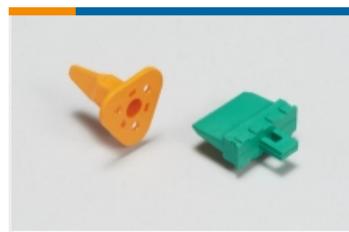
### Compatible Parts



### Also in the Series | MCON Interconnection System



Automotive Connector Caps &amp; Covers (24)



Automotive Connector Locks &amp; Position Assurance(11)



Automotive Housings(288)



Automotive Seals &amp; Cavity Plugs(5)



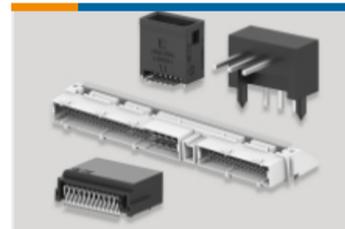
Automotive Terminals(113)



Insertion &amp; Extraction Tools(31)



Other Automotive Connector Accessories(7)



PCB Headers &amp; Receptacles(1)

## Documents

### Product Drawings

[58POS CONNECTOR ASSY F.CONNECTOR154POS](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_9-1452415-9\\_H.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_9-1452415-9\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_9-1452415-9\\_H.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[MCON Interconnection System](#)

English

### Product Specifications

[Product Specification](#)

English