



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: **8**

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

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

Features

Product Type Features

|                          |                                             |
|--------------------------|---------------------------------------------|
| 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 | 8 |
| 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 |

Contact Features



|                  |                 |
|------------------|-----------------|
| Mating Tab Width | 1.2 mm[.047 in] |
|------------------|-----------------|

Mechanical Attachment

|                             |           |
|-----------------------------|-----------|
| Terminal Position Assurance | Yes       |
| Mating Alignment Type       | Polarized |

Housing Features

|                    |               |
|--------------------|---------------|
| Centerline (Pitch) | 4 mm[.157 in] |
|--------------------|---------------|

Dimensions

|                |                   |
|----------------|-------------------|
| Product Width  | 26.5 mm[1.043 in] |
| Product Length | 40.7 mm[1.602 in] |
| Product Height | 16.5 mm[.65 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] |
| Operating Temperature Range | -40 – 130 °C[-40 – 266 °F]                                                                                                                                                |

Operation/Application

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

Industry Standards

|                      |        |
|----------------------|--------|
| Degree of Protection | IP6K9K |
|----------------------|--------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1500 |
| 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)<br>Candidate List Declared Against: JAN 2022 (223)<br>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                                                                                  |

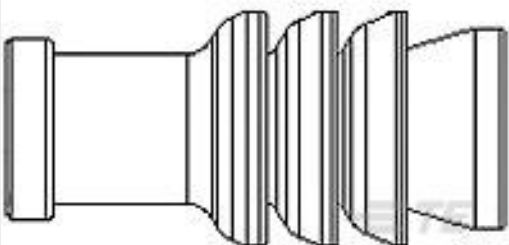
Product Compliance Disclaimer

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>

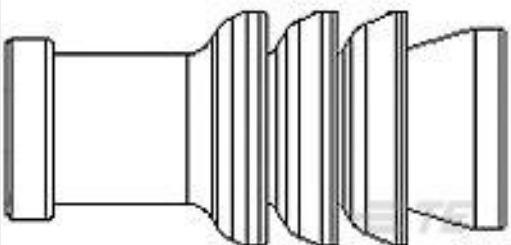
Compatible Parts



TE Part # 5-1579007-3  
EXTRACTION TOOL



TE Part # 967067-1  
MQS SGL WIRE SEAL



TE Part # 967067-2  
MQS EINZELLEITDICHT



TE Part # CAT-M4595-T273  
MCON, RECEPTACLE AND TAB



TE Part # 1-1703506-1  
8POS, MCON 1.2 LL TAB SEALED  
COD A

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)



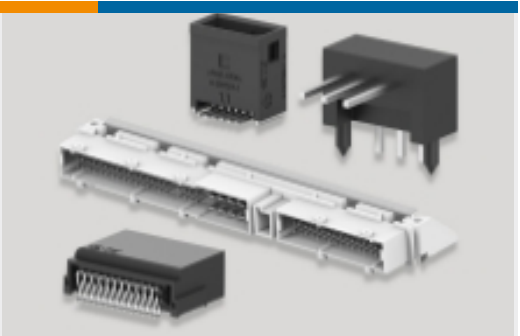
Automotive Terminals(114)



Insertion & Extraction Tools(31)



Other Automotive Connector Accessories(6)

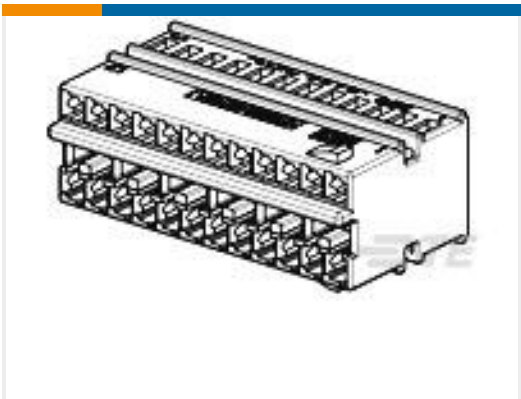


PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #2278584-1  
67 POS,MIXED,REC HSG,ASSY, SEALED TYPE180



TE Part #284224-2  
24 POS. REC. CONN. ASS' Y FOR AIR BAG



TE Part #936133-1  
MULTILOCK, CONNECTOR HOUSING



TE Part #1473410-1  
TH/.025 CONNECTOR SYSTEM, HOUSING



TE Part #2236269-1  
24POS, MIXED,REC HSG, 20GENYMCP,ASSY,CODA



TE Part #1-2355506-1  
2POS,MCON 1.2,REC HSG ASSY,SLD, COD A



TE Part #1-2355507-1  
3POS,MCON 1.2,REC HSG ASSY,SLD, COD A



TE Part #2351080-1  
TPA REC HSG,6POS,HYBRID

Documents

Product Drawings

8POS, MCON 1.2 LL REC SEALED

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1719393-1\_E.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1719393-1\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1719393-1\\_E.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

Application Specification

English

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English