# 1488991-6 ✔ ACTIVE

MCON Interconnection System

TE Internal #: 1488991-6

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

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings



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

Number of Positions: **3**

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

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

Sealable: **Yes**

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Board, Wire-to-Device, Wire-to-Wire |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | Integrated in Housing |

### Configuration Features

| | |
|---|---|
| Number of Positions | 3 |
| Number of Rows | 1 |

### Body Features

| | |
|---|---|
| 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

| | |
|---|---|
| Terminal Position Assurance | Yes |
| Strain Relief | Add By Accessory |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Material | PA GF |
| Centerline (Pitch) | 4 mm[.157 in] |

## Dimensions

| | |
|---|---|
| Connector Height | 15.6 mm[.614 in] |
| Product Width | 26.5 mm[1.043 in] |
| Product Length | 19 mm[.748 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 |

## Industry Standards

| | |
|---|---|
| Degree of Protection | IP67 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 1 |
| Packaging Method | Package |

## 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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 # CAT-NC1-NMA12
NextGen & NextGen Plus MCON 1.2 Locking Lance Single Wire Seals and Cavity Plugs



TE Part # 964972-1
EINZELLEITERDICHTNG



TE Part # 963143-1
MQS BLINDSTOPFEN

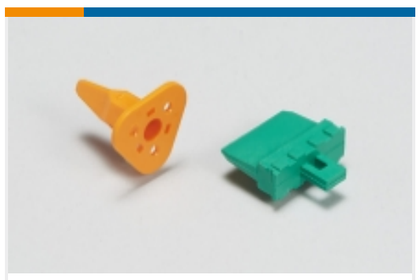


TE Part # CAT-M4595-T273
MCON Receptacle and Tab

## Also in the Series | MCON Interconnection System



Automotive Connector Caps & Covers (21)



Automotive Connector Locks & Position Assurance(11)



Automotive Housings(294)



Automotive Terminals(104)



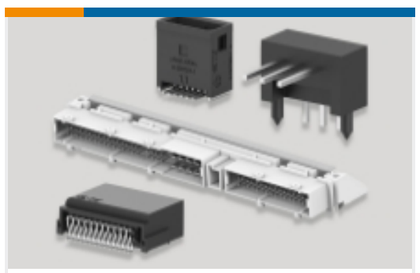
Connector Seals & Cavity Plugs(11)



Insertion & Extraction Tools(31)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(2)

## Customers Also Bought



TE Part # 1418850-1
MCON Receptacle and Tab



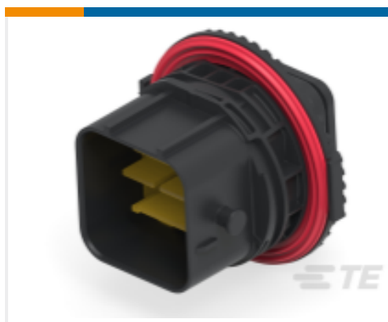
TE Part # 1-2203771-2
Plug Ass'y, 3P Sealed, Key B, CPA



TE Part # 1-1703963-1
16POS,AMP MCP1.5K,REC HSG,ASSY, SEALED



TE Part # 1-1718284-2
ADAPTER 90?FOR 10-14POS. SOCKE



TE Part # 2-2366509-1
48POS,HYBRID,PIN HSG ASSY,SLD, COD A



TE Part # 2366509-1
48POS,HYBRID,PIN HSG ASSY,SLD, COD A



TE Part # 9-2208738-9
PLATE,FAMILY SEAL COVER,105POS



TE Part # 2-1355123-7
MQS BU-GEH 60P

## Documents

### Product Drawings

3POS, MCON 1.2 CB REC 2p TL SEALED

English

### CAD Files

Customer View Model

ENG_CVM_CVM_1488991-6_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1488991-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1488991-6_D.3d_stp.zip

English

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

## Datasheets & Catalog Pages

### MCON Interconnection System

English

## Instruction Sheets

### Instruction Sheet (U.S.)

English

### Instruction Sheet (U.S.)

English