

1-1703506-1 ✓ ACTIVE

MCON Interconnection System

TE Internal #: 1-1703506-1

Housing for Male Terminals, Wire-to-Wire, 8 Position, .157 in [4 mm] Centerline, Sealable, Black, Signal, MCON Interconnection System

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



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

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

Connector System: **Wire-to-Wire**

Number of Positions: **8**

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

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

Features

Product Type Features

| | |
|---------------------------|----------------------------|
| Connector & Housing Shape | Rectangular |
| Connector & Housing Type | Housing for Male Terminals |
| Connector System | 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 | 14 VDC |
| Nominal Voltage Architecture | 12 V |

Body Features

| | |
|-----------------------|--------|
| Cable Exit Angle | 180° |
| Body Material | PBT GF |
| Primary Product Color | Black |
| Connector Code | A |



Contact Features

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

Mechanical Attachment

| | |
|-----------------------------|----------------------------|
| Mounting Feature | Without |
| 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] |
|--------------------|---------------|

Dimensions

| | |
|----------------|-------------------|
| Product Width | 44 mm[1.732 in] |
| Product Length | 40.2 mm[1.583 in] |
| Product Height | 16.25 mm[.64 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 |
|---------------------|--------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 1 |
| Packaging Method | Box |

Other

| | |
|--------------------------------------|-----|
| Serviceable | Yes |
| Connector Position Assurance Capable | No |

Product Compliance



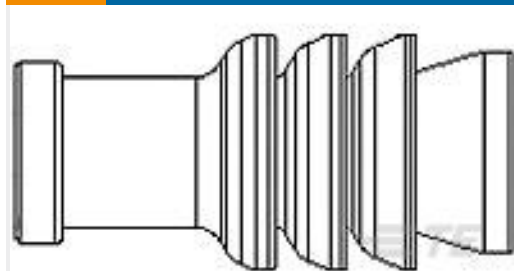


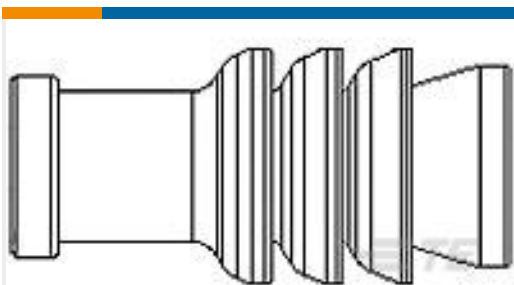
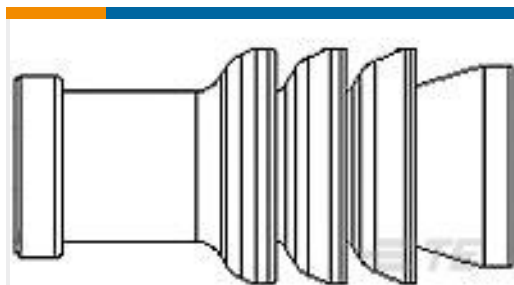
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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>

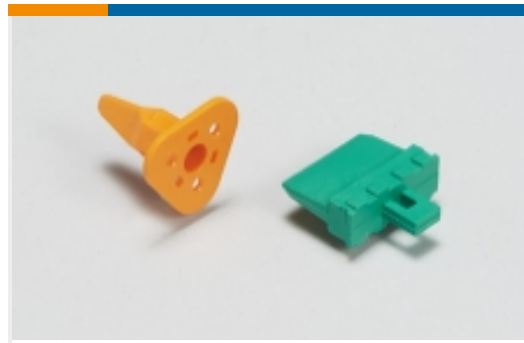
Compatible Parts

| | | | |
|---|--|---|--|
|  <p>TE Part # CAT-M4595-CH8172 MCON, CONNECTOR HOUSING</p> |  <p>TE Part # 5-1579007-3 EXTRACTION TOOL</p> |  <p>TE Part # 967067-2 MQS EINZELLEITDICHT</p> |  <p>TE Part # CAT-M4595-T273 MCON, RECEPTACLE AND TAB</p> |
|  <p>TE Part # 3-1579028-8 EXTRACTION TOOL</p> |  <p>TE Part # 967056-1 MQS BLINDSTOPFEN4MM</p> |  <p>TE Part # 967067-1 MQS SGL WIRE SEAL</p> | |

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)



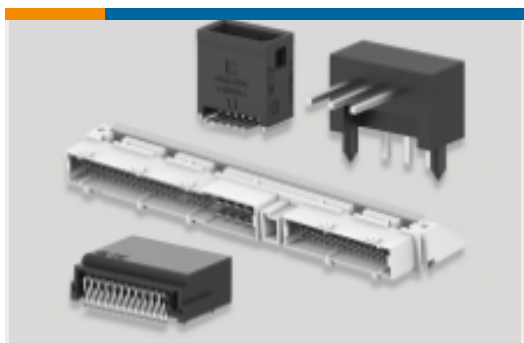
Automotive Terminals(113)



Insertion & Extraction Tools(31)

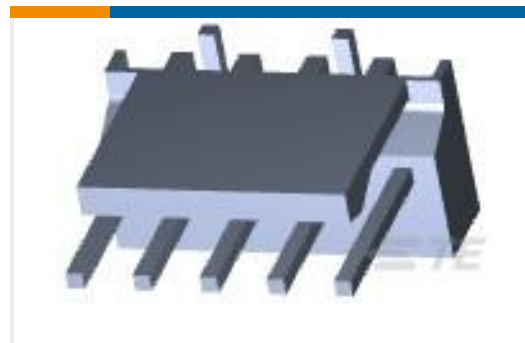


Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)

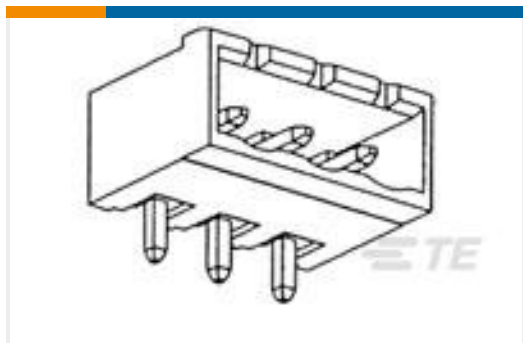
Customers Also Bought



TE Part #3-647166-5
5P MTA100 HDR ASSY,SM,FL,LF



TE Part #5-1579007-3
EXTRACTION TOOL



TE Part #796644-4
4POS 5.0MM CE R/A HDR,TRM BLK



TE Part #2-1718644-1
MCON, CONNECTOR HOUSING



TE Part #1718760-1
MCON, RECEPTACLE AND TAB



TE Part #6-1393250-2
W28-XT1A-1=W28



TE Part #4-794682-8
18P MICRO MNL ASSY,VRT,THRU,L

Documents

Product Drawings

8POS, MCON 1.2 LL TAB SEALED COD A

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_1-1703506-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1703506-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1703506-1_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[MCON Interconnection System](#)

English

Product Specifications

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Product Environmental Compliance

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