# 2-1718806-1 ✔ ACTIVE

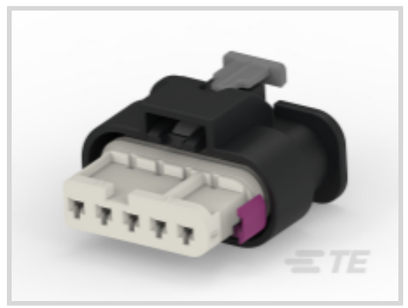
MCON | MCON 1.2mm

TE Internal #: 2-1718806-1

12 V / 24 V / 48 V, 5 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Natural, MCON 1.2mm

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Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **5**

Sealable: **Yes**

Operating Temperature Range: **-40 – 130 °C [ -40 – 266 °F ]**

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | Locking Lance |
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 5 |
| Number of Rows | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 12 VDC |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180 ° |
| Primary Product Color | Natural |
| Connector & Keying Code | B |

## Contact Features

| | |
|---|---|
| Contact Size | 1.2mm |
| Contact Type | Receptacle |
| Mating Tab Width | 1.2 mm[.047 in] |
| Contact Current Rating (Max) | 15 A |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Housing Material | PA 66 GF30 |
| Centerline (Pitch) | 4 mm[.157 in] |

## Dimensions

| | |
|---|---|
| Product Width | 28.5 mm[1.12 in] |
| Product Length | 28.7 mm[1.13 in] |
| Connector Height | 16.5 mm[.65 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 130 °C[-40 – 266 °F] |
| Operating Temperature (Max) | 130 °C[266 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| IP Rating | IPX4K, IPX9K |

## Packaging Features

| | |
|---|---|
| Packaging Method | Box |
| Packaging Quantity | 1000 |

### Other

| | |
|---|---|
| Serviceable | Yes |
| Connector Position Assurance Capable | Yes |

## Product Compliance

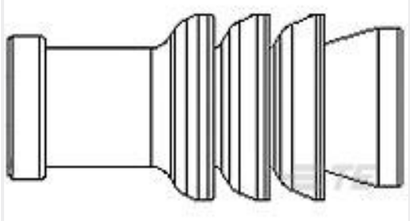
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not reviewed 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 # 967067-1
MQS SGL WIRE SEAL



TE Part # 2-2141520-1
5POS, MCON 1.2 LL TAB SEALED COD B



TE Part # 5-1579007-3
EXTRACTION TOOL



TE Part # 967067-2
MQS EINZELLEITDICHT



TE Part # CAT-N13-MSLLT12
MCON 1.2 48V Locking Lance Receptacle and Tab Terminals

## Also in the Series | MCON 1.2mm



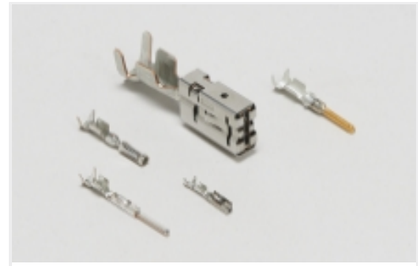
Automotive Connector Caps & Covers (15)



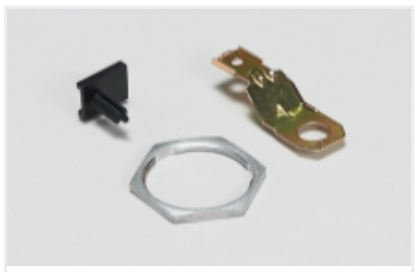
Automotive Housings(352)



Automotive Seals & Cavity Plugs(16)

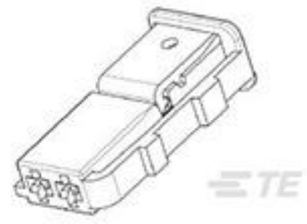


Automotive Terminals(90)



Other Automotive Connector Accessories(12)

## Customers Also Bought



TE Part #1563189-1
2POS,MT 2,REC HSG,CODA



TE Part #1863025-1
UNIVERSAL MNL 6-WAY CAP



TE Part #2-2141520-1
5POS, MCON 1.2 LL TAB SEALED COD B



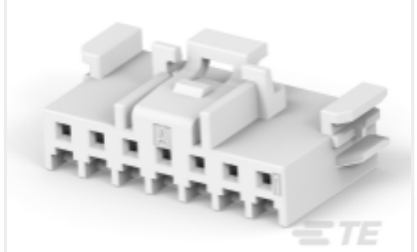
TE Part #2-2315219-0
DUAL ROW ERGO TPA EP 2.5 20 POSITIONS



TE Part #1-2324579-8
HOUSING, PLUG, 18P, DUAL ROW, EP2.5



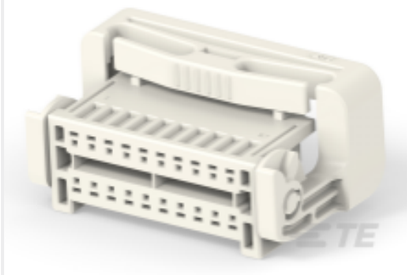
TE Part #1-2336231-6
Power Versa-Lock TNL CAP, 2X3 KEY A



TE Part #1-2350224-7
SGI 2.0 Plug Housing, 7 Position, Key A



TE Part #2357686-7
SGI 2.0 Crimp TPA



TE Part #2395224-2
20P GI2.5, RECEPTACLE ASSY, FLIP-N-LOK



TE Part #2486278-1
SGI 2.0 Crimp Contact

## Documents

### Product Drawings

5POS, MCON 1.2 LL REC SEALED

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1718806-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1718806-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1718806-1_E.3d_stp.zip

English

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

### Product Specifications

Application Specification

English