2318600-1 ✔ ACTIVE

MCON | MCON Interconnection System, MCON 0.50mm

TE Internal #: 2318600-1

12 V, 12 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Wire, 1.8 mm [.071 in] Centerline, Sealable, Black, Hybrid

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > MCON 0.50, REC HSG, Sealed





Nominal Voltage Architecture: **12 V**

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

Number of Positions: **12**

Sealable: **Yes**

Operating Temperature Range: **-40 – 105 °C [-40 – 221 °F]**

All MCON 0.50, REC HSG, Sealed (8)

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180 °
Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	.5mm
Contact Type	Receptacle
Mating Tab Width	.5 mm[.02 in]
Contact Current Rating (Max)	3 A

Mechanical Attachment

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)	1.8 mm[.071 in]

Dimensions

Row-to-Row Spacing	1.5 mm[.05 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Operating Temperature (Max)	105 °C[221 °F]

Operation/Application

Circuit Application	Signal

Other

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	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) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) **Article Safe Usage Statements:** Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

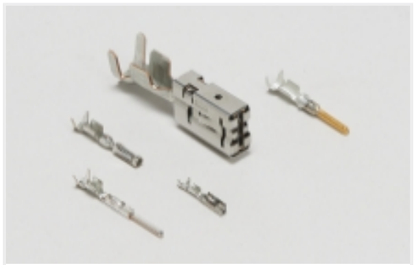
TE Part # 2-1579028-8
EXTRACTION TOOL

Also in the Series | MCON Interconnection System

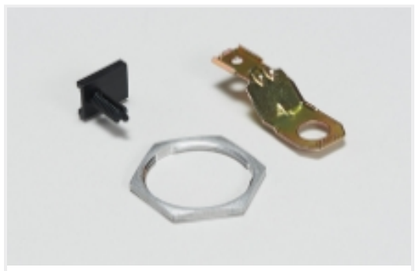
Automotive Connector Caps & Covers (43)

Automotive Housings(12)

Automotive Signal & Power Headers(2)



Automotive Terminals(7)



Other Automotive Connector Accessories(1)

Also in the Series | MCON 0.50mm

Automotive Housings(12)

Automotive Seals & Cavity Plugs(1)

Automotive Signal & Power Connector Housings(12)

Connector Seals & Cavity Plugs(1)

Customers Also Bought

TE Part #2295163-3
22POS,MIXED,REC HSG,ASSY

TE Part #2295163-4
22POS,MIXED,REC HSG,ASSY

TE Part #2299450-1
14P TAB HOUSING ASSY

TE Part #1-2299988-1
REC CONN CVR ASSY,65POS,AMP MCP 1.5K

TE Part #2312132-1
2POS,MCON 1.2,REC HSG

TE Part #2312132-2
2POS,MCON 1.2,REC HSG

TE Part #2312132-3
4POS,MCON 1.2,REC HSG

TE Part #2391298-1
28POS,NANOMQS,REC HSG,UNSLD,COD A,STD

TE Part #965430-1
POS LOCK HSG 6,3 2POS

TE Part #2434759-1
AMP MCP 2.8K,TERMINAL

Documents

Product Drawings

12POS,MCON 0.5,REC HSG ASSY,SLD,COD A

English

12POS,MCON 0.5,REC HSG ASSY,SLD,COD A

English

12POS,MCON 0.5,REC HSG ASSY,SLD,COD A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2318600-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2318600-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2318600-1_A.3d_stp.zip

English

Product Specifications

Application Specification

English