2278584-1 ✔ ACTIVE

MCON Interconnection System

TE Internal #: 2278584-1

12 V, 67 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Device, MCON Interconnection System

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Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V**

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

Number of Positions: **67**

Sealable: **Yes**

Operating Temperature Range: **-40 – 150 °C, -40 – 140 °C [-40 – 302 °F, -40 – 284 °F]**

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Board, Wire-to-Device
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	67
Number of Positions	67
Number of Rows	4

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	1.2mm, 2.8mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm, 2.8 mm[.04 in][.11 in]

Mechanical Attachment

Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	3 mm, 5.5 mm[.11 in][.21 in]

Dimensions

Row-to-Row Spacing	3.6 mm, 6.5 mm[.14 in][.25 in]
Product Width	35.85 mm[1.41 in]
Product Length	82.25 mm[3.23 in]
Connector Height	42.8 mm[1.68 in]

Usage Conditions

Operating Temperature Range	-40 – 150 °C, -40 – 140 °C[-40 – 302 °F][-40 – 284 °F]
Operating Temperature (Max)	140 °C, 150 °C[284 °F][302 °F]

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Quantity	108
Packaging Method	Box

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: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 26236680460) Decamethylcyclopentasiloxane (D5) (.5% in 26236680460) Octamethylcyclotetrasiloxane (D4) (.5% in 26236680460) **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 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 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 # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB



TE Part # 1452409-2
SECONDARY LOCK FOR 58 POS CONN



TE Part # 2278586-2
67 POS COVER ASSY TYPE45



TE Part # 1-1452424-1
BLIND PLUG FOR MCON 1.2 CB (0,



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



TE Part # 2278827-1
2. LOCK,67POS_FOR_MCP2.8

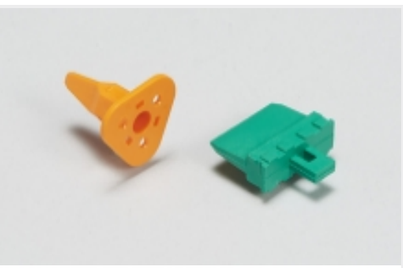


TE Part # 2278586-1
67 POS COVER ASSY TYPE180

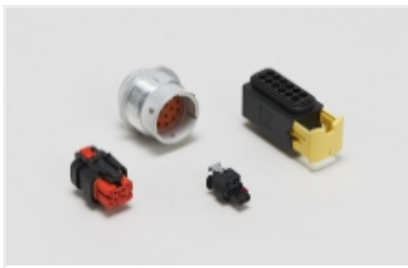


TE Part # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI

Also in the Series | MCON Interconnection System



Automotive Connector Locks & Position Assurance(16)



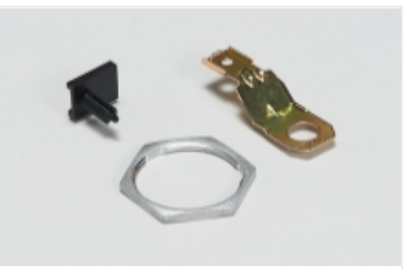
Automotive Housings(116)



Automotive Seals & Cavity Plugs(12)



Automotive Signal & Power Connector Housings(116)

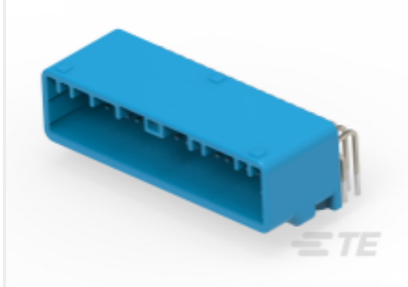


Other Automotive Connector Accessories(1)

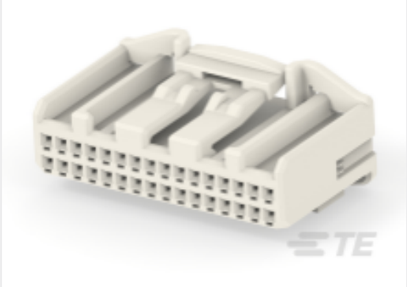
Customers Also Bought



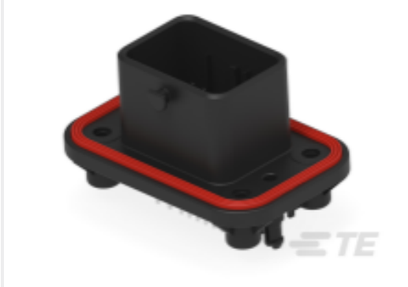
TE Part #1-2203775-1
5POS, MCON 1.2 CB REC 1p TL SEALED



TE Part #2292113-2
0.64 SERIES 40 POSITION CAP ASSY H-TYPE



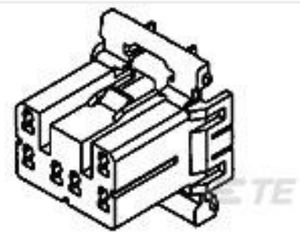
TE Part #2321525-1
32POS,TH 025,REC HSG ASSY,UNSLD



TE Part #2334366-2
32POS,HYBRID,HDR ASSY,180DEG



TE Part #2371035-1
3POS,DIA 4MM,SOC HSG ASSY,SLD, COD A



TE Part #368542-1
070 MLC PLUG 12P HSG



TE Part #1-2137336-6
36 POS PLUG ASSEMBLY



TE Part #CAT-M8793-CH8172
MQS, CONNECTOR HOUSING

TE Part #1-2438888-1
AMP MCP 2.8,TERMINAL

Documents

Product Drawings

67 POS,MIXED,REC HSG,ASSY,SEALED TYPE180

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2278584-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2278584-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2278584-1_A.3d_stp.zip

English

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Product Specifications

Engineering Specification

English

Engineering Specification

English