4-2209520-3 ✔ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 4-2209520-3

12 V, 46 Position, Automotive Housing for Female Terminals, Wire-to-Board, 3.8 mm / 6 mm [.15 in / .24 in] Centerline, Sealable, Black, MCON 1.2mm

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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: **46**

Sealable: **Yes**

Operating Temperature Range: **-40 – 130 °C [-40 – 266 °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
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	46
Number of Rows	3

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Primary Product Color	Black

Connector & Keying Code	A

Contact Features

Contact Size	1.2mm, 2.8K, 4.8K
Contact Type	Receptacle
Mating Tab Width	1.2 mm, 2.8 mm, 4.8 mm[.047 in][.11 in][.188 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	PBT GF20
Centerline (Pitch)	3.8 mm, 6 mm[.15 in][.24 in]

Dimensions

Product Width	35 mm[1.37 in]
Row-to-Row Spacing	4.5 mm[.18 in]
Product Length	90.5 mm[3.56 in]
Connector Height	31 mm[1.22 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	IPX9K

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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

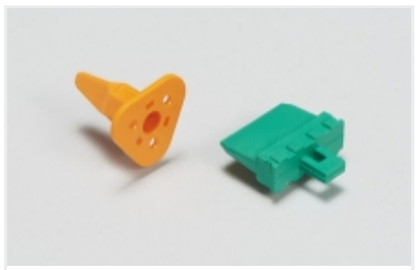
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2366011-1
PERIPHERAL SEAL

TE Part # 4-2219072-9
ABS 46P COVER ASSY TYPE C

Also in the Series | MCON 1.2mm



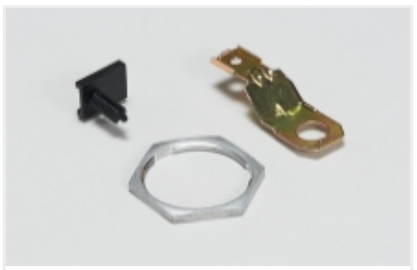
Automotive Connector Locks & Position Assurance(9)



Automotive Housings(353)



Automotive Seals & Cavity Plugs(16)



Other Automotive Connector Accessories(12)

Customers Also Bought



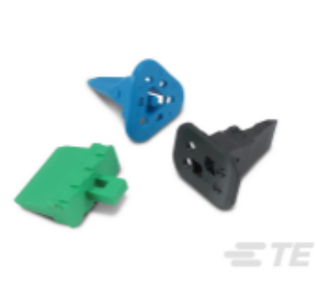
TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



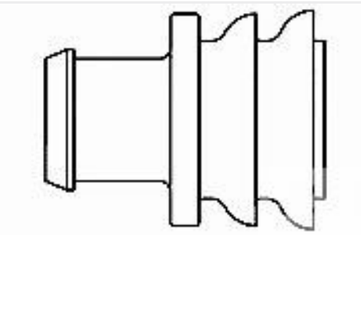
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

46POS,MCON 1.2,REC HSG ASSY,SLD

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-2209520-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2209520-3_B.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2209520-3_B.3d_igs.zip

English

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Product Specifications

Application Specification

English

Application Specification

English