1-2282337-5 ✔ ACTIVE

MCON Interconnection System

TE Internal #: 1-2282337-5

Housing for Female Terminals, Wire-to-Wire / Wire-to-Board, 10 Position, .157 in [4 mm] Centerline, Sealable, Black, MCON Interconnection System

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings







Connector System: **Wire-to-Board, Wire-to-Wire**

Number of Positions: **10**

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

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

Sealable: **Yes**

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

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

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

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

Housing Features

Housing Material	PA GF, PBT GF
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Connector Height	23.05 mm[.907 in]
Product Width	29 mm[1.14 in]
Product Length	31.8 mm[1.25 in]
Row-to-Row Spacing	4 mm[.157 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Degree of Protection	IPX9K
Compatible With Agency/Standards Products	LV214

Packaging Features

Packaging Method	Carton

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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 # CAT-M4595-T273
MCON Receptacle and Tab



TE Part # 1-2301520-5
8POS, MCON 1.2 LL TAB SEALED 2ROW



TE Part # 1-2301521-5
10POS, MCON 1.2 LL TAB SEALED 2ROW

TE Part # 1-2301520-6
8POS, MCON 1.2 LL TAB SEALED 2ROW

TE Part # 1-2301520-7
8POS, MCON 1.2 LL TAB SEALED 2ROW



TE Part # 2-2301520-5
8POS, MCON 1.2 LL TAB SEALED 2ROW

TE Part # 2-2301520-6
8POS, MCON 1.2 LL TAB SEALED 2ROW

TE Part # 2-2301520-7
8POS, MCON 1.2 LL TAB SEALED 2ROW



TE Part # 2-2301521-5
10POS, MCON 1.2 LL TAB SEALED 2ROW

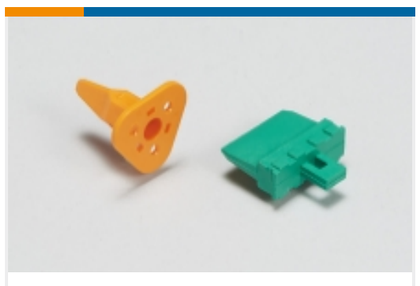
TE Part # 2282341-1
RETAINER,10POS., MCON1.2

TE Part # 2282342-1
CPA

Also in the Series | MCON Interconnection System



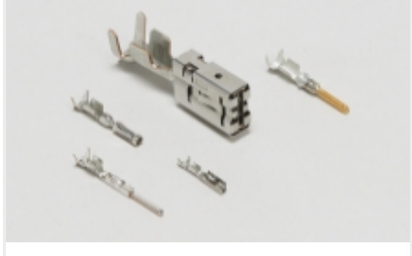
Automotive Connector Caps & Covers (21)



Automotive Connector Locks & Position Assurance(11)



Automotive Housings(294)



Automotive Terminals(104)



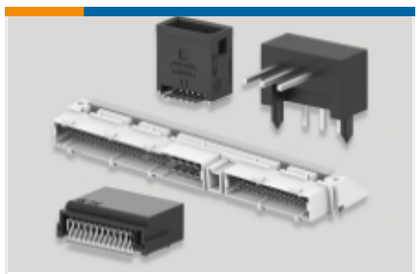
Connector Seals & Cavity Plugs(11)



Insertion & Extraction Tools(31)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(2)

Customers Also Bought



TE Part # 1-967642-1
MQS, CONNECTOR HOUSING



TE Part # 7-1452659-3
MCON 1.2 LL REC SRC AG



TE Part # 2209441-1
2W SPLASH PROOF CONN. W.S.L. JPT



TE Part # 7-1452665-2
MCON 1.2 LL REC SWS AU



TE Part # 925603-4
FF 250 REC 20-15 AWG TPPB LP



TE Part # 2050052-1
4POS 2.8MM SENSOR PLUG ASSY.



TE Part # 2137216-1
3P SPLASH PROOF CONNECTOR ASS'



TE Part # 1-2203773-2
4POS, MCON 1.2 CB REC 1p TL SEALED



TE Part # 1544978-1
RECEPT HSG ASSY, 8MM NG1+, 2W, SEALED

Documents

Product Drawings

10POS, MCON 1.2 LL REC SEALED 2ROW

English

10POS, MCON 1.2 LL REC SEALED 2ROW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2282337-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2282337-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2282337-5_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

MCON Interconnection System

English

Product Specifications

Application Specification

English