

9-2209520-9 ✓ ACTIVE

MCON Interconnection System

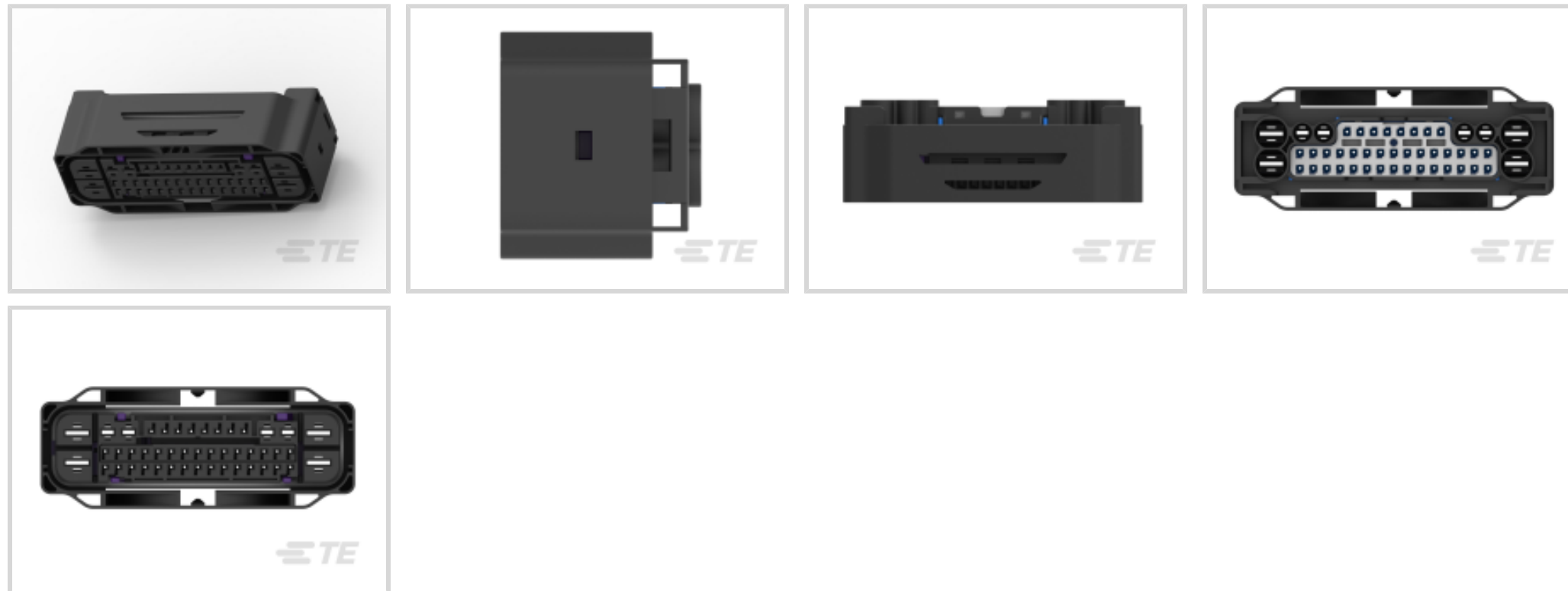
TE Internal #: 9-2209520-9

Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 46
Position, Sealable, Black, Signal, MCON Interconnection System

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Connectors > Automotive Connectors > Connector Housings > MCON, CONNECTOR HOUSING



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

Mating Tab Width: **1.2 mm, 2.8 mm, 5.8 mm [.047 in, .11 in, .228 in]**

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

Number of Positions: **46**

Sealable: **Yes**

[All MCON, CONNECTOR HOUSING \(283\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	46
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Body Features

Cable Exit Angle	Other
Body Material	PBT GF
Primary Product Color	Black
Connector Code	A



Contact Features

Contact Size	1.2mm, 2.8K, 4.8K
Contact Type	Receptacle
Mating Tab Width	1.2 mm, 2.8 mm, 5.8 mm [.047 in][.11 in][.228 in]

Mechanical Attachment

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

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 120 °C [-40 – 248 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	IP6K9K
UL Flammability Rating	UL 94HB

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 2022 (223)



Candidate List Declared Against: JUN 2016
(169)
SVHC > Threshold:
Not Yet Reviewed

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



TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB



TE Part # 1534594-1
MCON 1.2 CB REC SRC SN



TE Part # 967652-1
PQ BLINDSTOPFEN 8,5



TE Part # 1-2209521-1
46POS. COVER ASSY



TE Part # 1-2209521-2
46POS. COVER ASSY



TE Part # 2209521-1
46POS. COVER ASSY

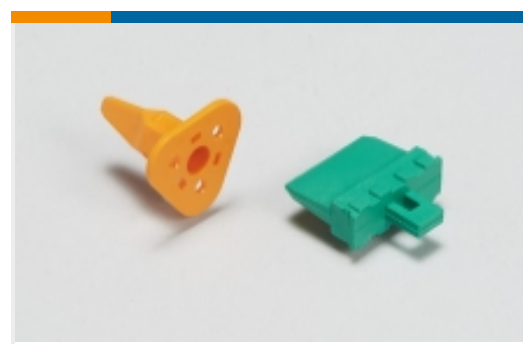


TE Part # 2209521-2
46POS. COVER ASSY

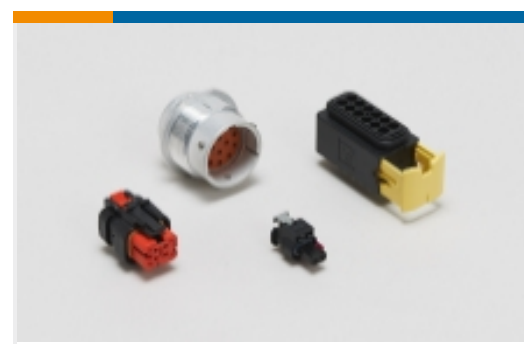
Also in the Series | [MCON Interconnection System](#)



Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(11)



Automotive Housings(288)



Automotive Seals & Cavity Plugs(4)



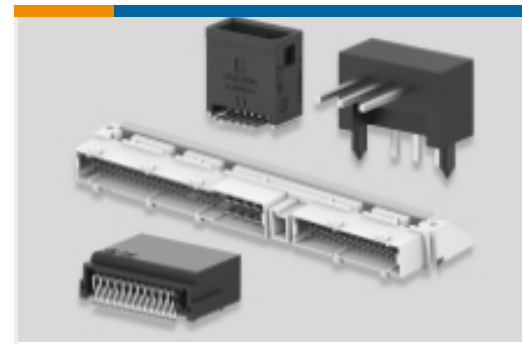
Automotive Terminals(113)



Insertion & Extraction Tools(31)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #2050981-1
MQS, CONNECTOR HOUSING



TE Part #1563125-1
MCON, CONNECTOR HOUSING



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



TE Part #964282-2
TIMER, RECEPTACLE AND TAB



TE Part #2209954-1
AIRBAG 24P COVER ASSY



TE Part #2209954-2
AIRBAG 24P COVER ASSY

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_9-2209520-9_A_c-9-2209520-9-a.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_9-2209520-9_A_c-9-2209520-9-a.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_9-2209520-9_A_c-9-2209520-9-a.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[MCON Interconnection System](#)

English