

WIN**SOURCE**
ELECTRONICS

THE DATASHEET OF
1488991-1



1488991-1 ✓ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 1488991-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Device / Wire-to-Wire, 3 Position, 4 mm [.157 in] Centerline, Sealable, Black, MCON 1.2mm

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Connectors > Automotive Connectors > Automotive Housings



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

Number of Positions: **3**

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-Device, Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	3
Number of Rows	1

Body Features

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]

Mechanical Attachment



Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	15.6 mm [.614 in]
Product Width	26.5 mm [1.043 in]
Product Length	19 mm [.748 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	IP67
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Packaging Features

Packaging Quantity	1
Packaging Method	Package

Other

Serviceable	Yes
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 applicable for solder process capability


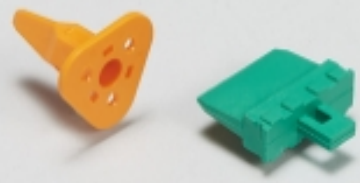

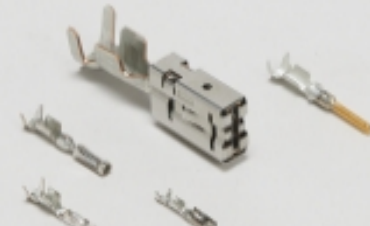
Product Compliance Disclaimer

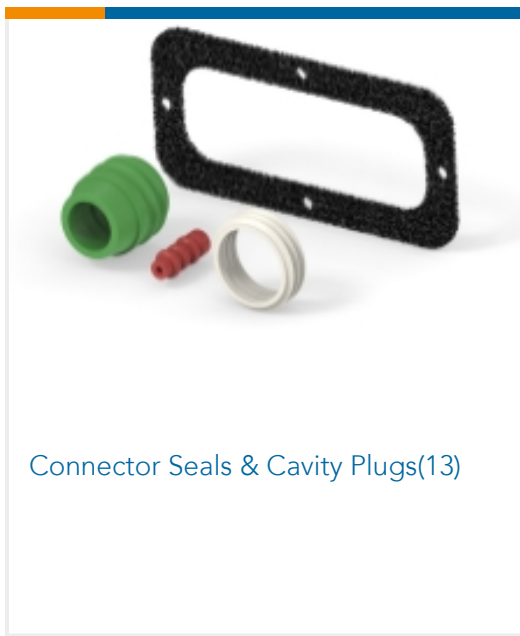
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

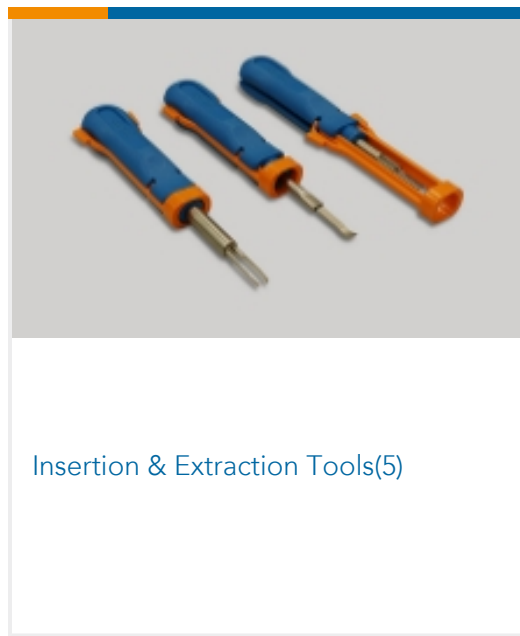
 <p>TE Part # 963143-1 MQS BLINDSTOPFEN</p>	 <p>TE Part # CAT-NC1-NMA12 NextGen & NextGen Plus MCON 1.2 Locking Lance Single Wire Seals and Cavity Plugs</p>	 <p>TE Part # 964972-1 EINZELLEITERDICHTNG</p>	 <p>TE Part # CAT-M4595-T273 MCON Receptacle and Tab</p>
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Also in the Series | MCON 1.2mm

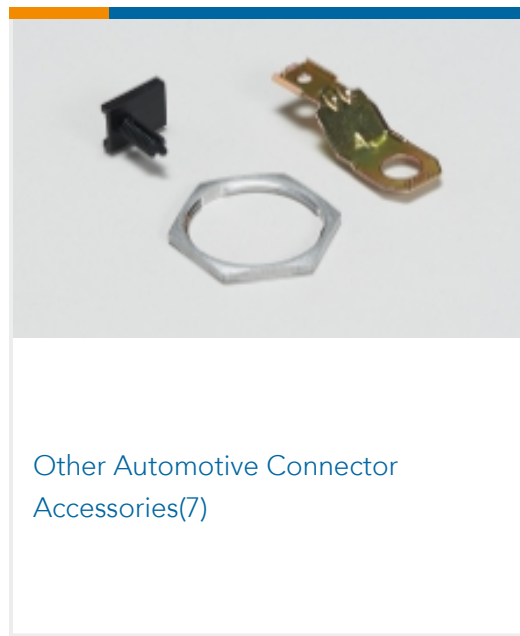
 <p>Automotive Connector Caps & Covers (18)</p>	 <p>Automotive Connector Locks & Position Assurance(10)</p>	 <p>Automotive Housings(328)</p>	 <p>Automotive Terminals(96)</p>
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Connector Seals & Cavity Plugs(13)



Insertion & Extraction Tools(5)



Other Automotive Connector Accessories(7)

Customers Also Bought



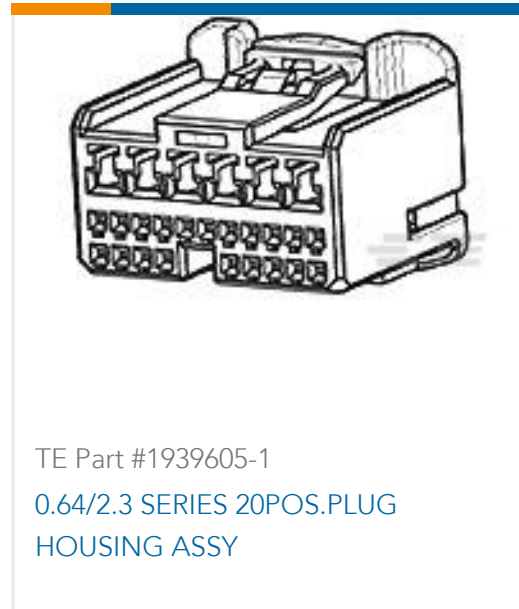
TE Part #175094-1
O4O HYBRID I/O REC CONT 24-20



TE Part #1418844-1
MCON 1.2 CB REC SWS SN



TE Part #1743089-9
MULTILOCK, CONNECTOR HOUSING



TE Part #1939605-1
0.64/2.3 SERIES 20POS.PLUG HOUSING ASSY



TE Part #284224-5
24 POS. REC. CONN. ASS'Y FOR AIR BAG



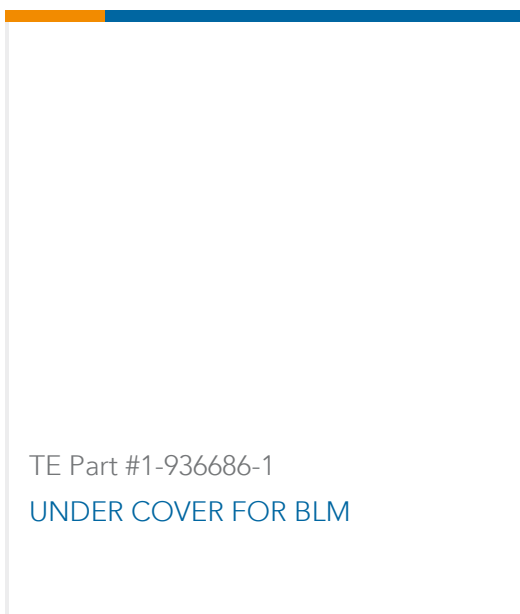
TE Part #2298622-1
24POS,HYBRID,REC HSG ASSY, UNSLD,COD A



TE Part #6-2363662-1
8POS,AMP MCP1.5K,REC HSG,ASSY



TE Part #936459-2
MQS 3P COVER HSG



TE Part #1-936686-1
UNDER COVER FOR BLM

Documents

Product Drawings

[3POS, MCON 1.2 CB REC 2p TL SEALED](#)

English

[3POS, MCON 1.2 CB REC 2p TL SEALED](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_1488991-1_D.2d_dxf.zip](#)



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1488991-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1488991-1_D.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

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[TE Connectivity Information](#)

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- ✓ Obsolete Management
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- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management