

### MCON Interconnection System

TE Internal #: 2203973-1

Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 26

Position, .169 in [4.3 mm] Centerline, Sealable, Black, 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 [ .047 in ]

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

Number of Positions: 26

Centerline (Pitch): 4.3 mm [ .169 in ]

All MCON, CONNECTOR HOUSING (283)

## **Features**

### **Product Type Features**

Troduct Type reatures	
Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Integrated in Housing
Configuration Features	
Number of Positions	26
Number of Rows	4
Body Features	
Cable Exit Angle	180°

PA GF

**Body Material** 



Contact Size         1.2mm           Contact Type         Receptacle           Mating Tab Width         1.2 mm[.047 in]           Mechanical Attachment         Without           Mounting Feature         Without           Terminal Position Assurance         Yes           Mating Alignment Type         Keyed           Mating Alignment         With           Connector Mounting Type         Cable Mount (I ree-Hanging)           Housing Features         4.3 mm[.169 in]           Centerline (Pitch)         4.3 mm[.169 in]           Dimensions         Product Width           Product Length         57.9 mm[2.28 in]           Product Length         57.9 mm[2.28 in]           Product Height         44.2 mm[1.74 in]           Row to Row Spacing         18.9 mm, 4.3 mm[.169 in][.744 in]           Usage Conditions         70 °C, 75 °C, 80 °C, 80 °C, 90 °C, 100 °C, 105 °C		
Contact Features  Contact Size 1.2mm  Contact Type Receptacle  Mating Tab Width 1.2 mm[.047 in]  Mechanical Attachment  Mounting Feature Without  Terminal Position Assurance Yes  Mating Alignment Type Keyed  Mating Alignment Type Cable Mount (Free-Hanging)  Housing Features  Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch) 4.3 mm[.169 in]  Dimensions  Product Width 47.5 mm[1.87 in]  Product Length 57.9 mm[2.28 in]  Product Height 44.2 mm[1.74 in]  Row-to-Row Spacing 18.9 mm, 4.3 mm[.169 in][.744 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C, 125 °C, 125 °F, 122 °F, 122 °F, 123 °F, 123 °F, 124 °F, 124 °F, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C, 120 °C, 125 °C, 140 - 257 °F, 100 °C, 120 °C,	Primary Product Color	Black
Contact Size         1.2mm           Contact Type         Receptable           Mating Lab Width         1.2 mm, 1.047 in.]           Mechanical Attachment         Without           Mounting Feature         Without           Terminal Position Assurance         Yes           Mating Alignment Type         Keyed           Mating Alignment With         With           Connector Mounting Type         Cable Mount (Free-Hanging)           Housing Features         Catle Mount (Free-Hanging)           Centerline (Pitch)         4.3 mm, 1.69 in.]           Dimensions         Product Width         47.5 mm, 1.87 in.]           Product Length         57.9 mm, 2.28 in.]           Product Length         44.2 mm, 4.3 mm, 1.69 in.], 744 in.]           Row-to-Row Spacing         18.9 mm, 4.3 mm, 1.69 in.], 744 in.]           Usage Conditions         18.9 mm, 4.3 mm, 1.69 in.], 744 in.]           Usage Conditions         7.0 °C, 7.5 °C, 80 °C, 85 °C, 90 °C, 100 °C, 125 °C, 105 °	Connector Code	A
Contact Type Mating Tab Width 1.2 mm[.047 in]  Mechanical Attachment  Mounting Feature Without  Terminal Position Assurance Yes  Mating Alignment Type Keyed  Mating Alignment With Connector Mounting Type Cable Mount (Free Hanging)  Housing Features  Centerline (Pitch) 4.3 mm[.169 in]  Dimensions  Product Width 47.5 mm[1.87 in]  Product Length 57.9 mm[2.28 in]  Product Height 44.2 mm[1.74 in]  Row to Row Spacing 18.9 mm, 4.3 mm[.169 in][.744 in]  Usage Conditions  Operating Temperature (Max) Operating Temperature Range Operating Temperature Range -40 – 125 °C[.40 – 257 °F]  Operation/Application  Circuit Application  Signal  Packaging Quantity 1 Packaging Mothod Packaging Mothod	Contact Features	
Mechanical Attachment  Mounting Feature  Mounting Feature  Mounting Feature  Mating Alignment Type  Mating Alignment  Connector Mounting Type  Mousing Features  Centerline (Pitch)  Dimensions  Product Width  4.3 mm(169 in)  Dimensions  Product Height  A4.2 mm(1.74 in)  Row to Row Spacing  Usage Conditions  Operating Temperature (Max)  Operating Temperature Range  Operation/Application  Circuit Application  Packaging Quantity  1 Packaging Method  Packaging Method  Without  Without  Keyed  Mating Alignment  With  Cable Mount (Free-Hanging)  Keyed  A4.3 mm(169 in)  Dimensions  4.3 mm(169 in)  Dimensions  Product Height  4.4.2 mm(1.74 in)  4.9 mm, 4.3 mm(1.69 in)[.744 in]  Usage Conditions  Operating Temperature (Max)  To °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °H]]167 °H]176 °H[185 °H[1944 °H]212 °H[221 °H]221 °H]230 °H]248 °H[2157 °F]  Operation/Application  Circuit Application  Packaging Guantity  1 Packaging Method	Contact Size	1.2mm
Mechanical Attachment  Mounting Feature  Mounting Feature  Yes  Mating Alignment Type  Mating Alignment  Connector Mounting Type  Housing Features  Centerline (Pitch)  Dimensions  Product Width  4.3 mm[169 in]  Product Length  Froduct Height  Row-to-Row Spacing  18.9 mm, 4.3 mm[169 in][744 in]  Usage Conditions  Operating Temperature (Max)  Operating Temperature Range  Operating Jemperature Range  Operating Jemperature Range  Operation/Application  Circuit Application  Packaging Quantity  1 Packaging Method  Without  Without  Without  Asyman  With  With  Keyed  A.3 mm[169 in]  4.3 mm[169 in]  Product Hanging  4.3 mm[187 in]  Product Length  47.5 mm[1.87 in]  47.5 mm[1.87 in]  47.5 mm[1.87 in]  Product Height  47.5 mm[1.87 in]  Fooduct Length  47.5 mm[1.87 in]  47.5 mm[1.87 in]  47.5 mm[1.87 in]  Fooduct Length  47.5 mm[1.87 in]  47.5 mm[1.87 in]  Fooduct Length  47.5 mm[1.87 in]  47.5 mm[1.87 in]  Fooduct Length	Contact Type	Receptacle
Mounting Feature  Terminal Position Assurance  Mating Alignment Type  Mating Alignment  Connector Mounting Type  With  Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch)  4.3 mm[169 in]  Dimensions  Product Width  4.5 mm[1.87 in]  Product Length  Forduct Length  Forduct Height  Row-to-Row Spacing  Usage Conditions  Operating Temperature (Max)  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Alignment Without  Visional Packaging Quantity  Packaging Method  With  Keyed  Alamanian  For All Hanging  Keyed  A.3 mm[169 in]  Form[1,87 in]	Mating Tab Width	1.2 mm[.047 in]
Terminal Position Assurance  Mating Alignment Type  Keyed  Mating Alignment  With  Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch)  Dimensions  Product Width  47.5 mm[1.87 in]  Product Length  Product Height  44.2 mm[1.74 in]  Row-to-Row Spacing  18.9 mm, 4.3 mm[.169 in][.744 in]  Usage Conditions  Operating Temperature (Max)  70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C[.158 °E][.167 °C][.116 °C][.1194 °C][.122 °C][.221 °C][.230 °C][.257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operation/Application  Circuit Application  Signal  Packaging Guantity  1  Packaging Method  Packaging Method	Mechanical Attachment	
Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch) 4.3 mm[.169 in]  Dimensions  Product Width 47.5 mm[1.87 in]  Product Length 57.9 mm[2.28 in]  Product Height 44.2 mm[1.74 in]  Row-to-Row Spacing 18.9 mm, 4.3 mm[.169 in][.744 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C[158 °E][194 °F][230 °F][194 °F][230 °F][194 °F][230 °F][248 °F][195 °F]  Operating Temperature Range Operati	Mounting Feature	Without
Mating Alignment With  Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch) 4.3 mm[.169 in]  Dimensions  Product Width 47.5 mm[1.87 in]  Product Length 57.9 mm[2.28 in]  Product Height 44.2 mm[1.74 in]  Row-to-Row Spacing 18.9 mm, 4.3 mm[.169 in][.744 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 [176 °F][716 °F][718 °F][716 °F][718 °F][719 °F][221 °F][221 °F][230 °F][248 °F][257 °F]  Operating Temperature Range 40 – 125 °C -40 – 257 °F]  Operatino/Application  Circuit Application Signal  Packaging Features  Packaging Quantity 1  Packaging Method Package	Terminal Position Assurance	Yes
Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch)  4.3 mm[.169 in]  Dimensions  Product Width  47.5 mm[1.87 in]  Product Length  57.9 mm[2.28 in]  Product Height  44.2 mm[1.74 in]  Row-to-Row Spacing  18.9 mm, 4.3 mm[.169 in][.744 in]  Usage Conditions  Operating Temperature (Max)  Operating Temperature (Max)  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Au – 125 °C[-40 – 257 °F]  Operating Temperature Range  O	Mating Alignment Type	Keyed
Housing Features  Centerline (Pitch)  A.3 mm[.169 in]  Dimensions  Product Width  47.5 mm[1.87 in]  Product Length  57.9 mm[2.28 in]  Product Height  44.2 mm[1.74 in]  Row-to-Row Spacing  18.9 mm, 4.3 mm[.169 in][.744 in]  Usage Conditions  Operating Temperature (Max)  Operating Temperature (Max)  To °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][1185 °F][174 °F][212 °F][221 °F][221 °F][221 °F][221 °F][220 °F][248 °F][257 °F]  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  A0 – 125 °C[-40 – 257 °F]  Operating Temperature Range  Operating Temperature Range  A10 – 125 °C[-40 – 257 °F]  Packaging Features  Packaging Quantity  1  Packaging Method  Packaging Method	Mating Alignment	With
Centerline (Pitch)       4.3 mm[.169 in]         Dimensions       47.5 mm[1.87 in]         Product Width       47.5 mm[1.87 in]         Product Length       57.9 mm[2.28 in]         Product Height       44.2 mm[1.74 in]         Row-to-Row Spacing       18.9 mm, 4.3 mm[.169 in][.744 in]         Usage Conditions       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][.221 °F][.221 °F][.220 °F][.248 °F][.257 °F]         Operating Temperature Range       -40 – 125 °C[-40 – 257 °F]         Operation/Application       Signal         Packaging Features         Packaging Quantity       1         Packaging Method       Package	Connector Mounting Type	Cable Mount (Free-Hanging)
Product Width 47.5 mm[1.87 in]  Product Length 57.9 mm[2.28 in]  Product Height 44.2 mm[1.74 in]  Row-to-Row Spacing 18.9 mm, 4.3 mm[.169 in][.744 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  Packaging Features  Packaging Quantity 1  Packaging Method Package	Housing Features	
Product Width       47.5 mm[1.87 in]         Product Length       57.9 mm[2.28 in]         Product Height       44.2 mm[1.74 in]         Row-to-Row Spacing       18.9 mm, 4.3 mm[.169 in][.744 in]         Usage Conditions         Operating Temperature (Max)       70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °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         Packaging Features         Packaging Quantity       1         Packaging Method       Package	Centerline (Pitch)	4.3 mm[.169 in]
Product Length  Froduct Height  A4.2 mm[1.74 in]  Row-to-Row Spacing  18.9 mm, 4.3 mm[.169 in][.744 in]  Usage Conditions  Operating Temperature (Max)  Operating Temperature (Max)  Operating Temperature Range  Operating Temperature Range  -40 – 125 °C[-40 – 257 °F]  Operation/Application  Circuit Application  Signal  Packaging Features  Packaging Quantity  1  Packaging Method  Package	Dimensions	
Product Height       44.2 mm[1.74 in]         Row-to-Row Spacing       18.9 mm, 4.3 mm[.169 in][.744 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       Signal         Packaging Features       1         Packaging Quantity       1         Packaging Method       Package	Product Width	47.5 mm[1.87 in]
Row-to-Row Spacing	Product Length	57.9 mm[2.28 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  Packaging Features  Packaging Quantity  1  Packaging Method  Package	Product Height	44.2 mm[1.74 in]
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  Packaging Features  Packaging Quantity  1  Packaging Method  Package	Row-to-Row Spacing	18.9 mm, 4.3 mm[.169 in][.744 in]
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  Packaging Features  Packaging Quantity  1  Packaging Method  Package	Usage Conditions	
Operation/Application Circuit Application Signal  Packaging Features Packaging Quantity 1 Packaging Method Package	Operating Temperature (Max)	105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 ° F][176 °F][185 °F][194 °F][212 °F][221 °F][230
Circuit Application  Packaging Features  Packaging Quantity  1  Packaging Method  Package	Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Packaging Features  Packaging Quantity  Packaging Method  Package	Operation/Application	
Packaging Quantity  1 Packaging Method  Package	Circuit Application	Signal
Packaging Method Package	Packaging Features	
	Packaging Quantity	1
Other	Packaging Method	Package
	Other	
Serviceable Yes	Serviceable	Yes
Connector Position Assurance Capable 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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) 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 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**



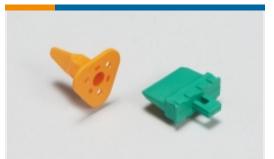


Also in the Series | MCON Interconnection System





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 #2098198-5 Plug Assembly, Sealed, 1 Posn,



2POS, MCON 1.2 CB REC 2p TL UNSEALED



TE Part #1670144-2 MCON, RECEPTACLE AND TAB



TE Part #1-1438608-1 2POS MQS REC SEALED COD A







# **Documents**

## **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2203973-1\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2203973-1\_A.3d\_igs.zip



English

**Customer View Model** 

ENG\_CVM\_CVM\_2203973-1\_A.3d\_stp.zip

English

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Datasheets & Catalog Pages

MCON Interconnection System

English

Product Environmental Compliance

**Product Compliance** 

English

**Product Compliance** 

English

**Instruction Sheets** 

Instruction Sheet (U.S.)

English