



**MQS**

TE Internal #: 1-1703941-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 50 Position, .1 in [2.54 mm] Centerline, Black, Wire & Cable, Signal, MQS

[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Housings > MQS, CONNECTOR HOUSING



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

Number of Positions: **50**

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

Centerline (Pitch): **2.54 mm [.1 in ]**

Sealable: **No**

[All MQS, CONNECTOR HOUSING \(437\)](#)

**Features**

**Product Type Features**

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

**Configuration Features**

Number of Positions	50
Number of Rows	2

**Electrical Characteristics**

Operating Voltage	14 VDC
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Nominal Voltage Architecture	12 V
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### Body Features

Cable Exit Angle	180°
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Primary Product Color	Black
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Connector & Keying Code	Neutral
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### Contact Features

Contact Size	.63mm
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Contact Type	Receptacle
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Mating Tab Width	.63 mm[.025 in]
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Contact Current Rating (Max)	7.5 A
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### Mechanical Attachment

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

Housing Material	PA GF
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Centerline (Pitch)	2.54 mm[.1 in]
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### Dimensions

Connector Height	6.85 mm[.27 in]
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Product Width	16.5 mm[.65 in]
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Product Length	67.24 mm[2.647 in]
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Row-to-Row Spacing	5.5 mm, 6.3 mm[.217 in][.248 in]
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### Usage Conditions

Operating Temperature (Max)	120 °C[248 °F]
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Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
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### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Method	Box
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### 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 2023 (235) Candidate List Declared Against: JUNE 2022 (224) 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



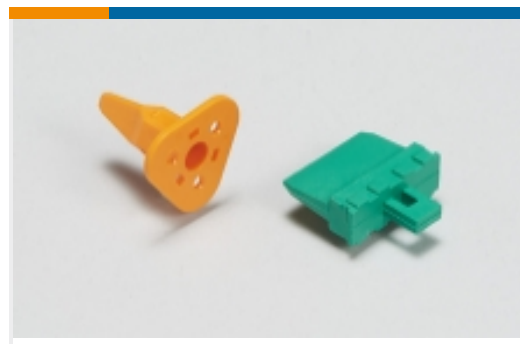
Also in the Series | **MQS**



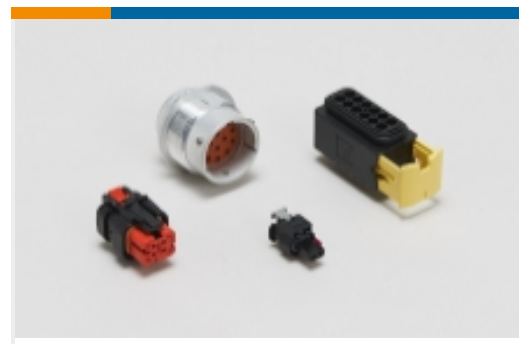
Automotive Connector Caps & Covers (111)



Automotive Connector EMC Shielding (3)



Automotive Connector Locks & Position Assurance(27)



Automotive Housings(375)



Automotive Terminals(88)



Connector Seals & Cavity Plugs(26)



Insertion & Extraction Tools(42)



Other Automotive Connector Accessories(7)



PCB Headers & Receptacles(143)

## Customers Also Bought



TE Part #2141404-1  
20POS,NANOMQS,REC HSG,CODE A



TE Part #1241402-3  
AMP MCP, RECEPTACLE AND TAB



TE Part #1452409-2  
SECONDARY LOCK FOR 58 POS CONN



TE Part #1563126-1  
2. LOCK,10 POS MALE HOUSING CONN



TE Part #2103736-1  
RETAINER,SPACER-SL, SZ A,HVA280 2PI SE



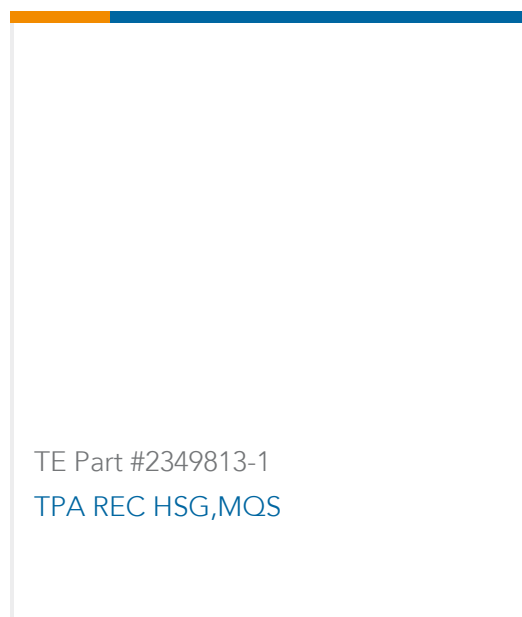
TE Part #2141994-1  
10POS,TAB 0.63X0.64,PIN HSG,ASSY



TE Part #2208331-1  
COVER,LEVER,ASSY



TE Part #2236060-1  
COVER,ASSY



## Documents

### Product Drawings

50POS MQS REC

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1703941-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1703941-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1703941-1\\_B.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

Micro Quadlok Interconnection System (MQS)

English

### Product Specifications

Application Specification

English