

## Nano MQS

TE Internal #: 2177587-2

Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 12 Position, .071 in [1.8 mm] Centerline, Black, Signal, Nano MQS

[View on TE.com >](#)

Connectors &gt; Automotive Connectors &gt; Connector Housings &gt; MQS, CONNECTOR HOUSING

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

Mating Tab Width: .5 mm [ .02 in ]

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

Number of Positions: 12

Centerline (Pitch): 1.8 mm [ .071 in ]

[All MQS, CONNECTOR HOUSING \(557\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	12
Number of Rows	2

### Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

### Body Features

Cable Exit Angle	180°
Body Material	PBT GF
Primary Product Color	Black
Connector Code	B



### Contact Features

Contact Size	.5mm
Contact Type	Receptacle
Mating Tab Width	.5 mm[.02 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)

### Housing Features

Centerline (Pitch)	1.8 mm[.071 in]
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### Dimensions

Product Width	14.8 mm[.583 in]
Product Length	15.1 mm[.594 in]
Product Height	16.4 mm[.646 in]
Row-to-Row Spacing	5.9 mm[.232 in]

### Usage Conditions

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

### 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](https://www.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 reviewed for solder process capability

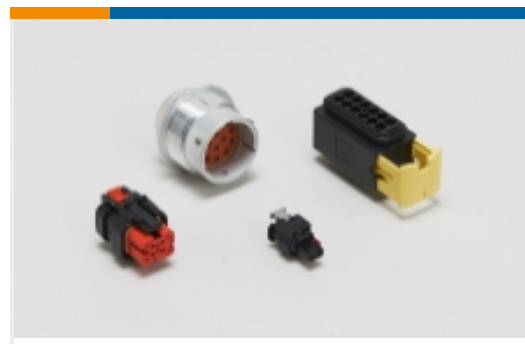
Product Compliance Disclaimer

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>

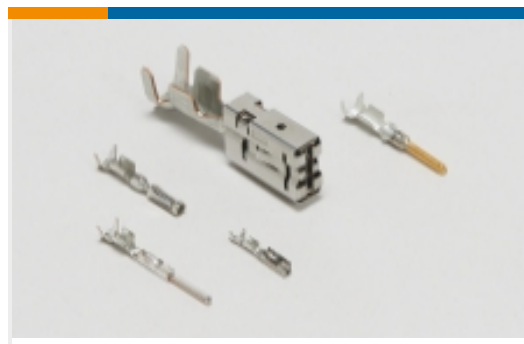
## Compatible Parts



Also in the Series | **Nano MQS**



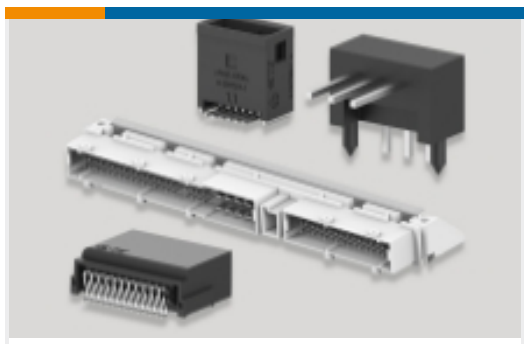
Automotive Housings(53)



Automotive Terminals(7)



Insertion & Extraction Tools(6)



PCB Headers & Receptacles(28)

## Customers Also Bought



TE Part #2-1703930-1  
NANOMQS, RECEPTACLE TERMINAL



TE Part #2266120-1  
OCEAN\_2.0\_APPLICATOR-S-069F052O



TE Part #2141608-1  
5POS,AMP MCP6.3/4.8K,REC HSG,A



TE Part #2-2286713-1  
2POS,8MM HV,REC HSG,90DEG,ASSY, SEALED



TE Part #2141612-6  
RADIAL SEAL,25X43,CABLE SEAL, BL



TE Part #2141613-6  
CARRIER,SEAL,BL



TE Part #2141614-6  
COVER,CABLE SEAL



TE Part #2141615-1  
5POS,AMP MCP6.3/4.8K,REC HSG



TE Part #2151718-1  
OCEAN-2.0-APPLICATOR-S-078F098F



TE Part #9-2141264-2  
SINGLE WIRE SEAL,AMP MCP6.3/4.8K

## Documents

### Product Drawings

12POS NANO MQS TL PLUG HOUSING, CODE B

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2177587-2\_G\_c-2177587-2-g.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2177587-2\\_G\\_c-2177587-2-g.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2177587-2\\_G\\_c-2177587-2-g.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[Micro Quadlok Interconnection System \(MQS\)](#)

English

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**Product Specifications**

[Product Specification](#)

English