

2312116-1 ✓ ACTIVE

NanoMQS | Nano MQS

TE Internal #: 2312116-1

12 V, 16 Position, Automotive Housing for Female Terminals, Cable-to-Board / Cable-to-Cable, 1.8 mm [.071 in] Centerline, Black, Nano MQS

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings



Nominal Voltage Architecture: 12 V

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

Number of Positions: **16**

Sealable: **No**

Operating Temperature Range: **-40 – 105 °C [-40 – 221 °F]**

Features

Product Type Features

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

Configuration Features

Number of Positions	16
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V
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Body Features

Primary Product Color	Black
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Connector & Keying Code	A
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Contact Features

Contact Size	.5mm
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Contact Type	Receptacle
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Mating Tab Width	.5 mm [.019 in]
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Contact Current Rating (Max)	3 A
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Mechanical Attachment

Mating Alignment Type	Keyed
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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	PBT GF10
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Centerline (Pitch)	1.8 mm [.071 in]
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Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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Operating Temperature (Max)	105 °C [221 °F]
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Operation/Application

Circuit Application	Signal
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Other

Connector Position Assurance Capable	Yes
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability

Not reviewed for solder process capability

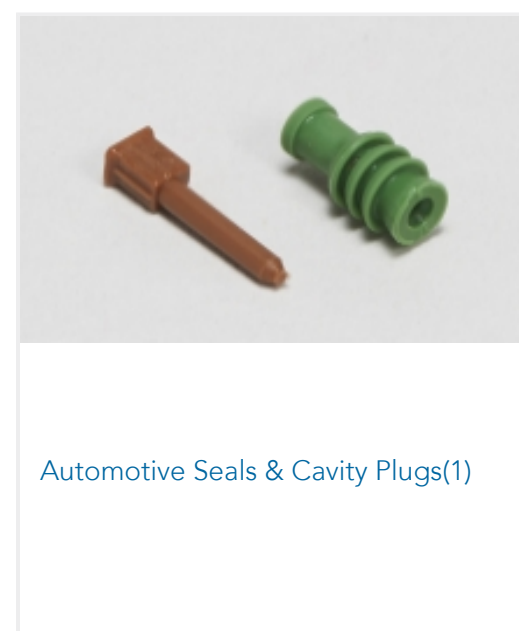
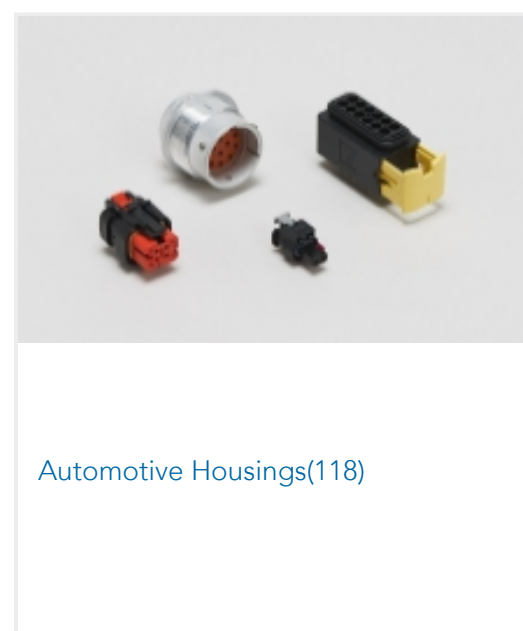
Product Compliance Disclaimer

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

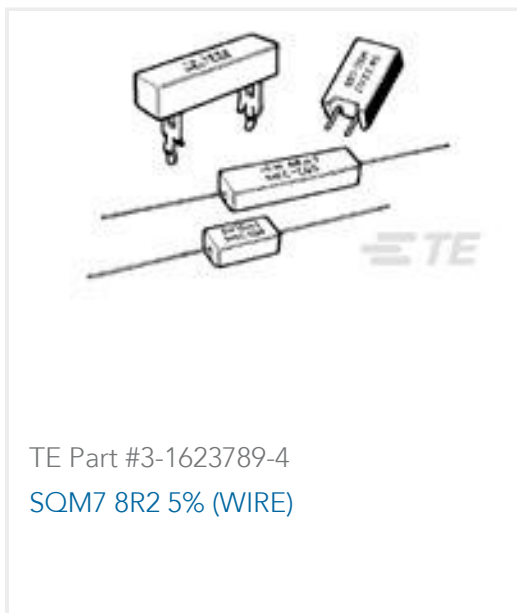


Also in the Series | Nano MQS



Customers Also Bought





Documents

Product Drawings

16POS,NANOMQS,REC HSG ASSY,COD A

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2312116-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2312116-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2312116-1_A.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English