

2303088-1 ✓ ACTIVE

NanoMQS | Nano MQS

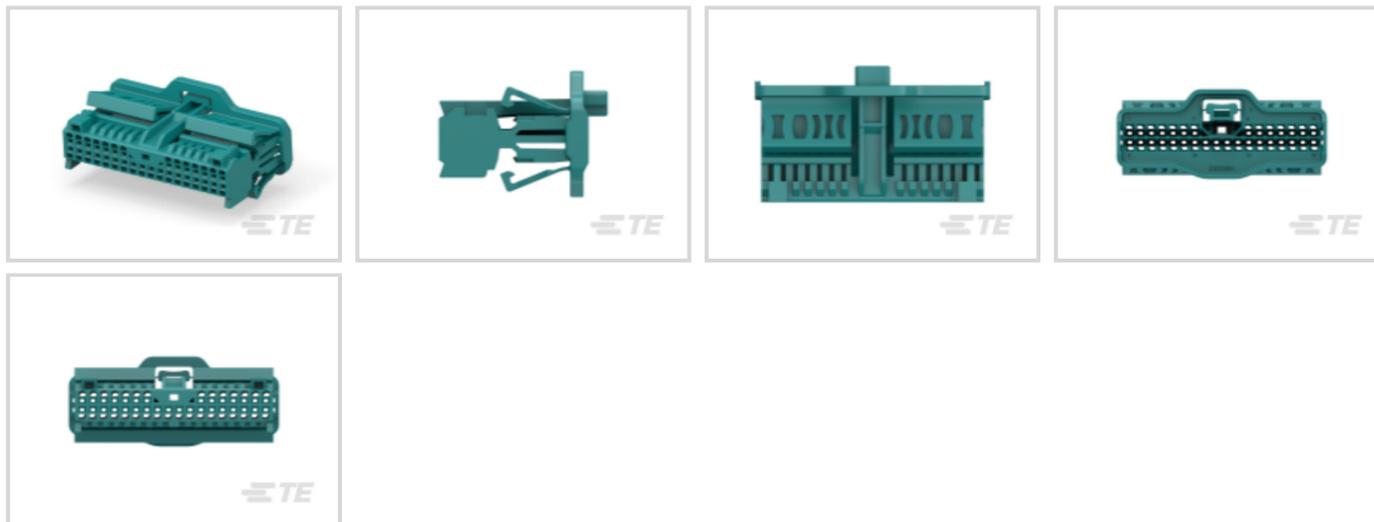
TE Internal #: 2303088-1

12 V, 32 Position, Automotive Housing for Female Terminals, Wire-to-Board, 1.8 mm [.071 in] Centerline, Water Blue, Wire & Cable, Signal, Nano MQS

[View on TE.com >](#)



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



Nominal Voltage Architecture: 12 V

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

Number of Positions: **32**

Sealable: **No**

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

[All MQS, CONNECTOR HOUSING \(339\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	32
Number of Positions	32
Number of Rows	2

Electrical Characteristics



Operating Voltage	24 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	Water Blue
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Connector & Keying Code	Z
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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[.02 in]
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Contact Current Rating (Max)	3 A
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Mechanical Attachment

Strain Relief	Without
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Terminal Position Assurance	No
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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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Dimensions

Row-to-Row Spacing	1.5 mm[.059 in]
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Product Width	20 mm[.787 in]
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Product Length	35 mm[1.38 in]
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Connector Height	14.8 mm[.583 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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Industry Standards

Compatible With Agency/Standards Products	LV214
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Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

Other

Connector Position Assurance Capable	No
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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



TE Part # CAT-MINH6642
Miniature Automotive I/O Headers



TE Part # 1-2291853-1
NANO MQS CONTACT FFC, FPC

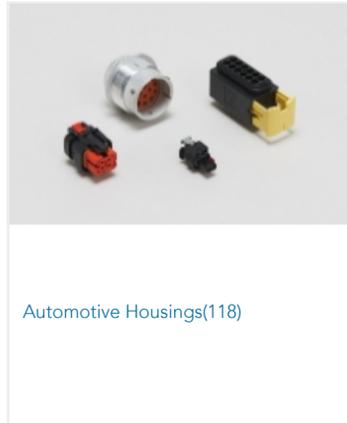


TE Part # 1-2499000-1
HOUSING INSERTION BASE MACHINE

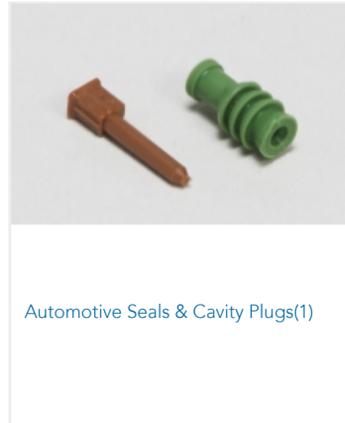
Also in the Series | Nano MQS



Automotive Connector Locks & Position Assurance(3)



Automotive Housings(118)



Automotive Seals & Cavity Plugs(1)



Automotive Signal & Power Connector Housings(118)

Customers Also Bought



TE Part #354057-E
SMCB 32 F AB VV 7-13 CL * H007 137 E002



TE Part #487406-2
FFC RCPT CONT SP 30AU RL



TE Part #CAT-M8793-T273
MQS, RECEPTACLE AND TAB



TE Part #7-1452659-3
MCON 1.2 LL REC SRC AG



TE Part #1744037-2
02P EC PWR.200 CL HDR ASSY VRT



TE Part #1744048-2
02P EC PWR.200 CL HDR ASSY RA



TE Part #2141576-1
32POS NANO MQS TL PLUG HOUSING, CODE A



TE Part #2365086-1
20POS,NANOMQS,REC HSG,UNSLD,COD A,FPC

Documents

Product Drawings

[32POS,NANOMQS,REC HSG,UNSLD,COD NEUT](#)

English

CAD Files

[3D PDF](#)

[3D](#)



Customer View Model

[ENG_CVM_CVM_2303088-1_B1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2303088-1_B1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2303088-1_B1.2d_dxf.zip](#)

English

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Product Specifications

[Application Specification](#)

English