

2302475-2 ✓ ACTIVE

Nano MQS

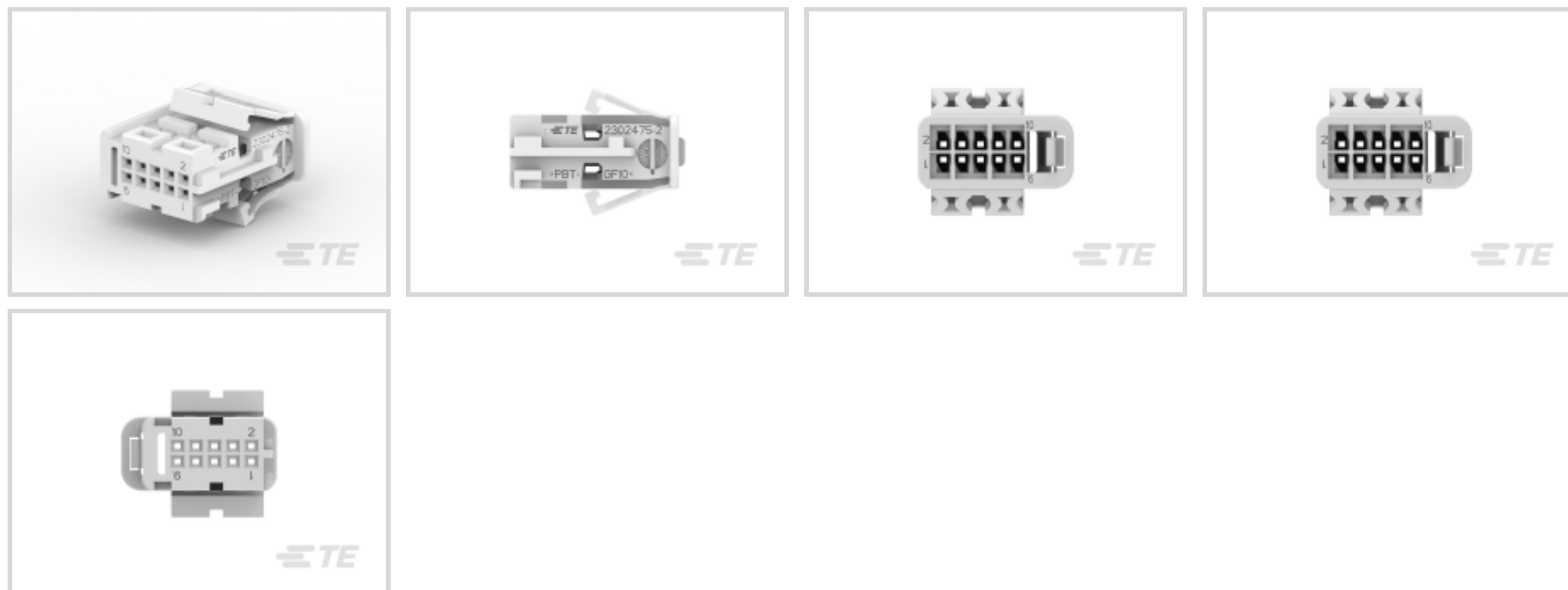
TE Internal #: 2302475-2

Housing for Female Terminals, Wire-to-Device / Wire-to-Board / Wire-to-Wire, 10 Position, .071 in [1.8 mm] Centerline, Natural, Signal, Nano MQS

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > 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, Wire-to-Wire**

Number of Positions: **10**

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, Wire-to-Wire
Sealable	No
Hybrid Connector	No
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V
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Body Features



Body Material	PBT GF
Primary Product Color	Natural
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
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

Row-to-Row Spacing	1.5 mm [.059 in]
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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, 130 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F]
Operating Temperature Range	-40 – 130 °C [-40 – 266 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94HB
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Other

Connector Position Assurance Capable	No
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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



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

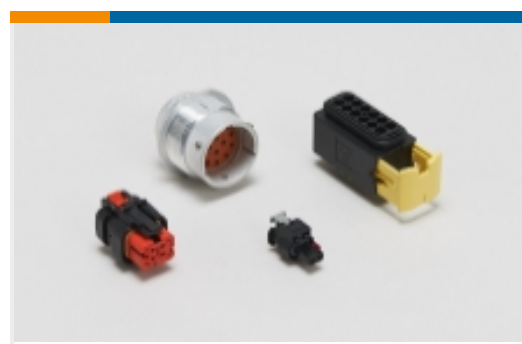


TE Part # 2300292-1
10POS,TAB0.5X0.4,HDR ASSY,90DEG, COD B



TE Part # 2317525-2
2X5POS,NANOMQS,HDR ASSY, 180DEG,SMD,COD B

Also in the Series | **Nano MQS**



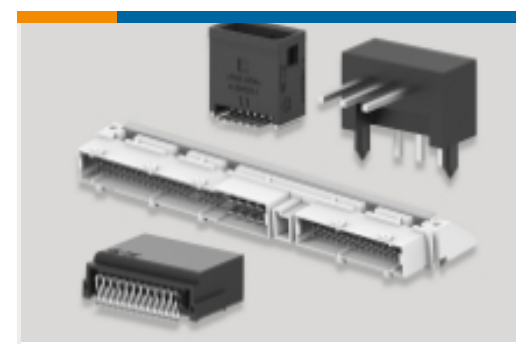
Automotive Housings(53)



Automotive Terminals(7)



Insertion & Extraction Tools(6)



PCB Headers & Receptacles(28)

Customers Also Bought



TE Part #MS580301BA01-10
MS5803-01BA 1BAR W GEL P-CAPS



TE Part #ZPF00000000015268
DMC-M 12-20 PN



TE Part #ZPF00000000099684
DMC-M 99-01 PN



TE Part #2300292-1
10POS,TAB0.5X0.4,HDR ASSY,90DEG,
COD B



TE Part #ZPF000000000122608
732-8256-20

Documents

Product Drawings

10POS,NANOMQS,REC HSG,COD B

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2302475-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2302475-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2302475-2_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English