

2303089-1 ✓ ACTIVE

Nano MQS

TE Internal #: 2303089-1

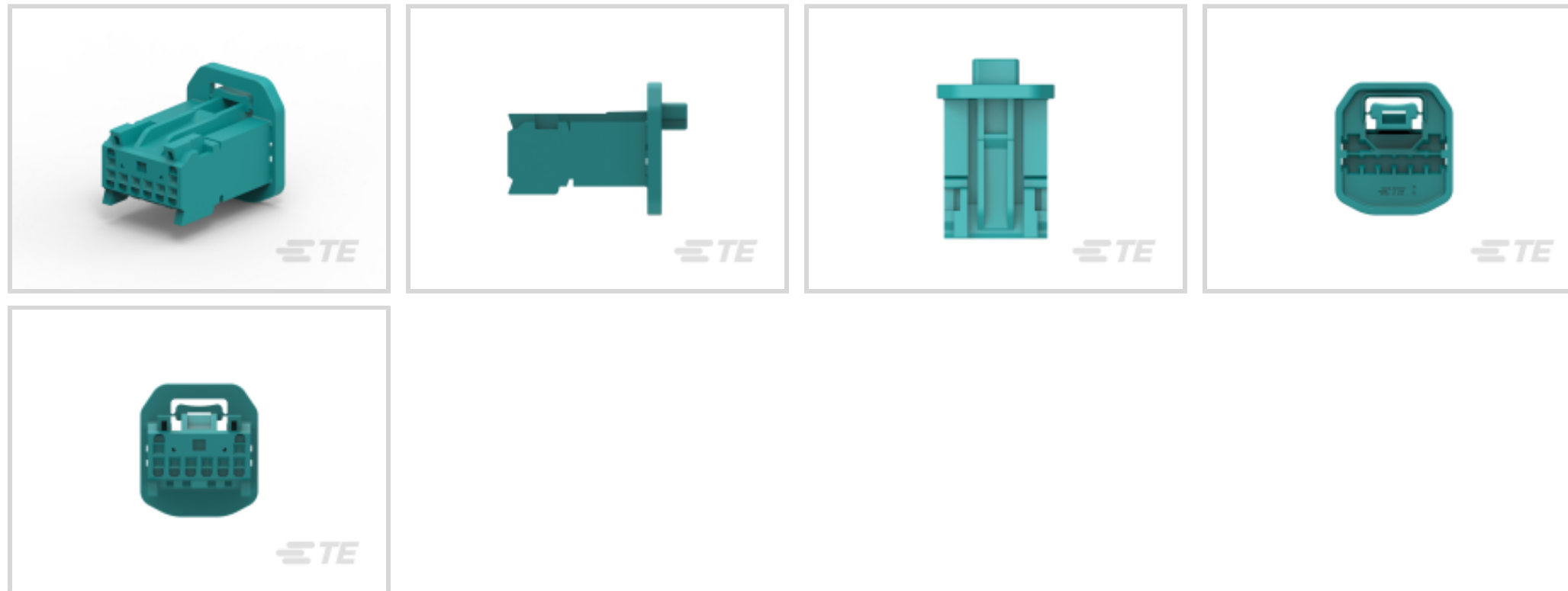
Housing for Female Terminals, 8 Position, .071 in [1.8 mm]

Centerline, Blue, Flexible Printed Circuit (FPC), 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]**

Number of Positions: **8**

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

Sealable: **No**

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

Features

Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Hybrid Connector	No
Primary Locking Feature	Locking Lance
Connector & Contact Terminates To	Flexible Printed Circuit (FPC)

Configuration Features

Blank Cavity Position	8
Number of Positions	8
Number of Rows	2

Body Features

Cable Exit Angle	180°
Body Material	PBT GF



Primary Product Color	Blue
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Connector 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)	1 A
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Mechanical Attachment

Terminal Position Assurance	Yes
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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

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

Product Width	14.8 mm[.583 in]
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Product Length	13.4 mm[.527 in]
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Product Height	17.8 mm[.7 in]
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Row-to-Row Spacing	1.5 mm[.059 in]
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Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
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Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Agency/Standard	LV214
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Packaging Features

Packaging Quantity	2000
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Packaging Method	Bag
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Other



Serviceable	No
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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not reviewed for solder process capability

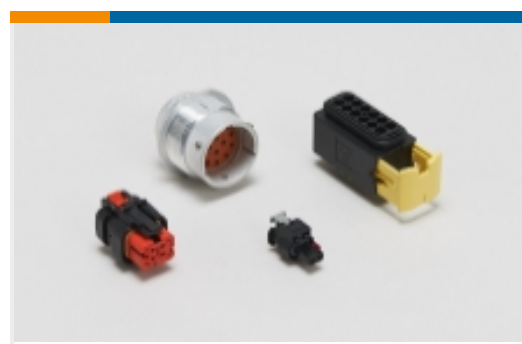
Product Compliance Disclaimer

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>

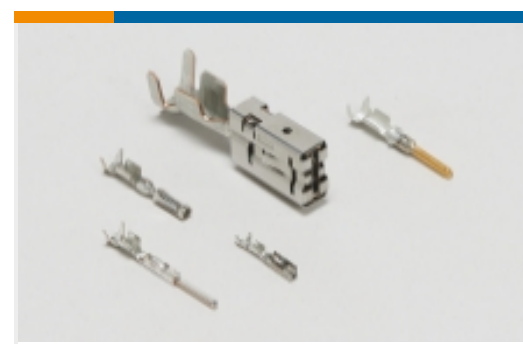
Compatible Parts



Also in the Series | [Nano MQS](#)



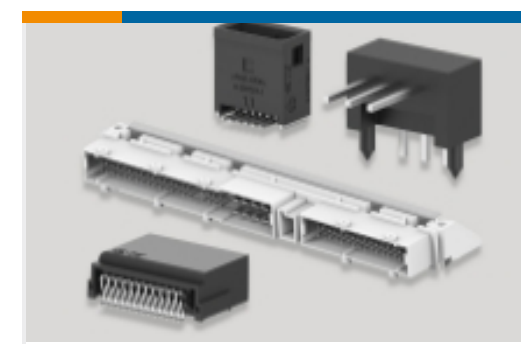
Automotive Housings(53)



Automotive Terminals(7)



Insertion & Extraction Tools(6)



PCB Headers & Receptacles(28)

Customers Also Bought



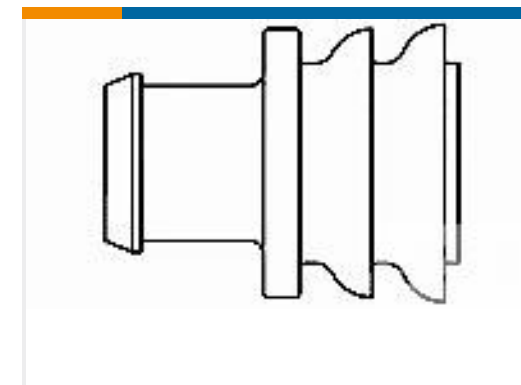
TE Part #DT04-2P
DEUTSCH DT Series Housings & Connectors



TE Part #W2S
DEUTSCH DT WEDGELOCKS



TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #0460-202-16141
DEUTSCH SOLID CONTACTS



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

8POS,NANOMQS,REC HSG,UNSLD,COD NEUT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2303089-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2303089-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2303089-1_A.3d_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English