NanoMQS

TE Internal #: 2320020-1

20 Position Housing, Receptacle, Cable-to-Board / Cable-to-Cable, 1.8 mm Centerline, Black, Wire & Cable, Signal, Cable Mount (Free-Hanging)

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings

Number of Positions: **20**

Connector & Housing Type: **Receptacle**

Mating Tab Width: **.5 mm**

Connector System: **Cable-to-Cable, Cable-to-Board**

Centerline (Pitch): **1.8 mm**

Features

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF10
Centerline (Pitch)	1.8 mm

Contact Features

Contact Size	.5mm, .4mm
Contact Type	Receptacle
Mating Tab Width	.5 mm
Contact Current Rating (Max)	3 A

Product Type Features

Connector Shape	Rectangular
Mixed & Hybrid Connector	No

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Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable, Cable-to-Board
Sealable	No
Primary Locking Feature	Locking Lance
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Primary Product Color	Black
Connector & Keying Code	A

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Other

Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC

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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 # 2394916-1

2X10POS,NANOMQS,HDR ASSY, 90DEG,SMD,COD A

TE Part # 2317515-1

2X10POS,NANOMQS,HDR ASSY, 90DEG,SMD,COD A

Customers Also Bought

TE Part #2-1564559-1

4POS, MCON 1.2 LL TAB SEALED COD B

TE Part #2-967644-1

2POS MQS REC SEALED COD B

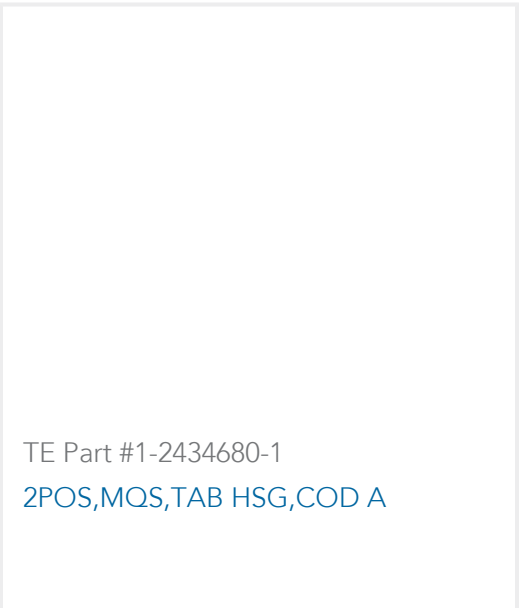TE Part #962875-2

MT2 REC 1.6 Contact SWS Sn

TE Part #1544332-1

LANGUETTE 8MM NG1

TE Part #1801606-1

TAB HOUSING, MCON, 10 W, SEALED

TE Part #2301903-1

FAKRA AUT,SOC OTR TRMNL ASSY, 90 DEG

TE Part #2326894-1

COAX,PIN HSG ASSY,UNSLD,180DEG

TE Part #1801174-1

2W TAB HP CONNECTOR BLACK

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TE Part #1-2434680-1

2POS,MQS,TAB HSG,COD A

TE Part #1-2297252-2

COMMON CONTACT,FNG90 PIN 1.5 DS .38AU

Documents

Product Drawings

20POS,NANOMQS,REC HSG,COD A

English

20POS,NANOMQS,REC HSG,COD A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2320020-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2320020-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2320020-1_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

Application Specification

English