2317515-2 ✔ ACTIVE

NanoMQS | Nano MQS

TE Internal #: 2317515-2

Horizontal, Wire-to-Board, 20 Position, 2 Row, 1.8mm [.07in] Centerline, Tin (Sn), Printed Circuit Board, 3A Contact Current Rating (Max), Nano MQS

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Automotive Parts > Automotive Connectors > Automotive Headers







PCB Mount Orientation: **Horizontal**

Contact Current Rating (Max): **3 A**

Termination Method to PCB: **Surface Mount**

Sealable: **No**

Centerline (Pitch): **1.8 mm [.07 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Header Type	Fully Shrouded
Connector Shape	Rectangular
Connector Product Type	Connector Assembly
Sealable	No
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Horizontal
Number of Positions	20
Number of Rows	2

Body Features

Connector & Keying Code	B
Primary Product Color	Natural

Contact Features

Mating Tab Thickness	.4 mm[.015 in]
Contact Type	Pin
Mating Tab Width	.5 mm[.019 in]
Contact Current Rating (Max)	3 A
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment	With
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	1.8 mm[.07 in]

Usage Conditions

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

Operation/Application

Solder Process	Reflow Solder Capable
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Method	Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

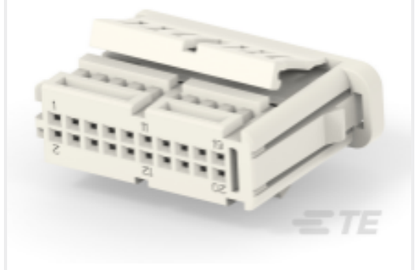
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold

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	Low Halogen - Br, Cl, F < 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 2320020-2
20POS,NANOMQS,REC HSG,COD B

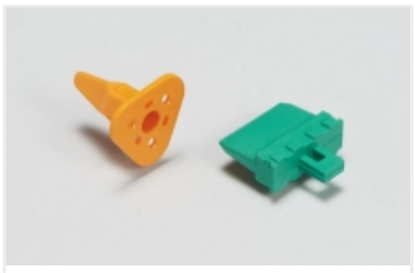


TE Part # 2312118-2
18POS,NANOMQS,REC HSG ASSY, COD B

Also in the Series | Nano MQS



Automotive Connector Caps & Covers (2)



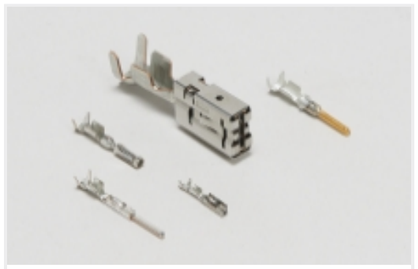
Automotive Connector Locks & Position Assurance(3)



Automotive Housings(118)



Automotive Signal & Power Headers (61)



Automotive Terminals(11)

Customers Also Bought



TE Part #1-487117-1
RCPT CONTACT,HIGH PRESS,FFC



TE Part #2394910-1
14POS,TAB0.5X0.4,HDR ASSY,90DEG, COD A



TE Part #2394912-1
16POS,TAB0.5X0.4,HDR ASSY,90DEG, COD A



TE Part #2394912-2
16POS,TAB0.5X0.4,HDR ASSY,90DEG, COD B



TE Part #2394916-1
20POS,TAB0.5X0.4,HDR ASSY,90DEG, COD A

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2317515-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2317515-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2317515-2_C.3d_stp.zip

English

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Product Specifications

Product Specification

English