2311396-2 ✔ ACTIVE

NanoMQS | Nano MQS

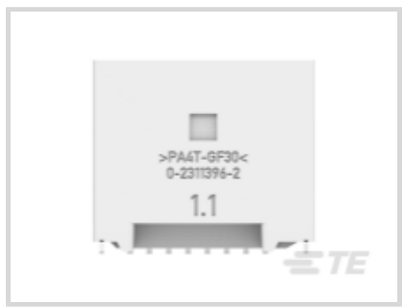
TE Internal #: 2311396-2

Vertical, Wire-to-Board, 8 Position, 1 Row, 1.8mm [.07in] Centerline, Tin (Sn), Printed Circuit Board, 3A Contact Current Rating (Max), Nano MQS

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers





PCB Mount Orientation: **Vertical**

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	Vertical
Number of Positions	8
Number of Rows	1

Electrical Characteristics

Nominal Voltage Architecture	24 V

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	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	1.8 mm[.07 in]

Usage Conditions

Operating Temperature (Max)	130 °C[266 °F]
Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]

Operation/Application

Solder Process	Reflow Solder Capable
Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Method	Reel

Other

Interface Number	114-94000-17, 208-18060

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

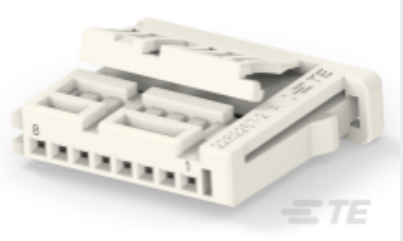
Product Compliance Disclaimer

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 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

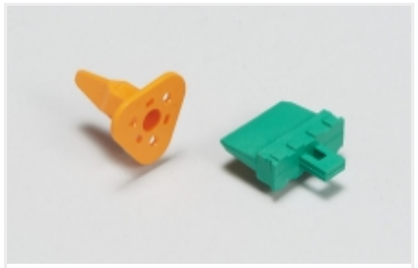


TE Part # 2309873-2
6POS,NANOMQS,REC HSG ASSY, COD B



TE Part # 2282267-2
8POS,NANOMQS,REC HSG,CODB

Also in the Series | Nano MQS



Automotive Connector Locks & Position Assurance(3)



Automotive Housings(118)



Automotive Signal & Power Connector Housings(118)



Connector Seals & Cavity Plugs(1)

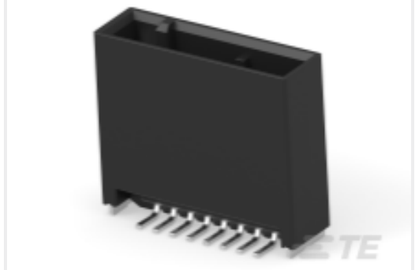
Customers Also Bought



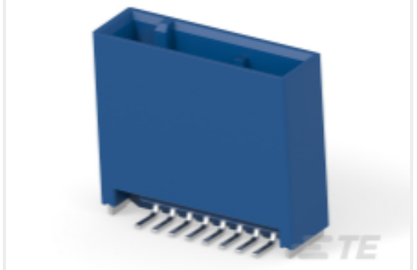
TE Part #514496-E
MCBA 14 M * SMD 137 * 176 * GURT C7 J 2



TE Part #1-1452568-3
ACTION PIN 2,8X0,6



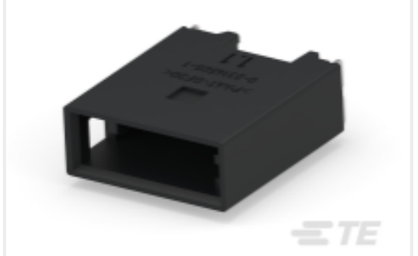
TE Part #2311396-1
8POS,TAB0.5X0.4,HDR ASSY,180DEG, COD A



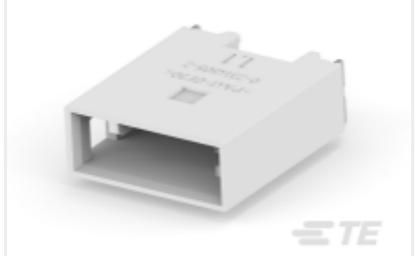
TE Part #2311396-3
8POS,TAB0.5X0.4,HDR ASSY,180DEG, COD C



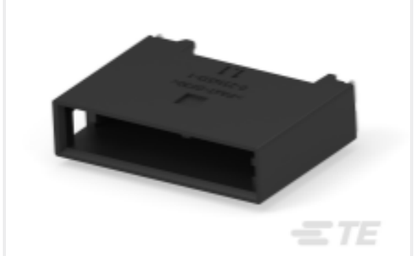
TE Part #2311714-1
6POS,TAB0.5X0.4,HDR ASSY,90DEG, COD A



TE Part #2314505-1
5POS,TAB0.5X0.4,HDR ASSY,180DEG, COD A



TE Part #2314505-2
5POS,TAB0.5X0.4,HDR ASSY,180DEG, COD B



TE Part #2314513-1
10POS,TAB0.5X0.4,HDR ASSY, 180DEG,COD A



TE Part #2315411-1
8POS,TAB0.5X0.4,HDR ASSY,90DEG, COD A

TE Part #3-2317525-1
2X5POS,NANOMQS,HDR ASSY, 180DEG,SMD,COD A

Documents

Product Drawings

8POS,TAB0.5X0.4,HDR ASSY,180DEG,COD B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2311396-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2311396-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2311396-2_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Product Specification

English