# 2317523-2 ✔ ACTIVE

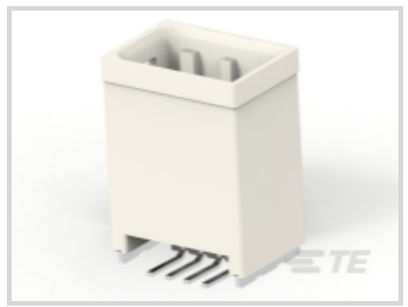
NanoMQS | Nano MQS

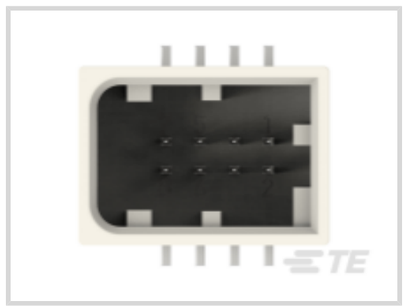
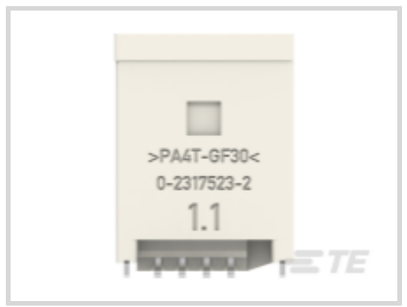
TE Internal #: 2317523-2

Horizontal, Wire-to-Board, 8 Position, 2 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: **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 | 8 |
| 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] |

## Dimensions

| | |
|---|---|
| Connector Width | 9.4 mm[.37 in] |
| Connector Length | 13.1 mm[.515 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

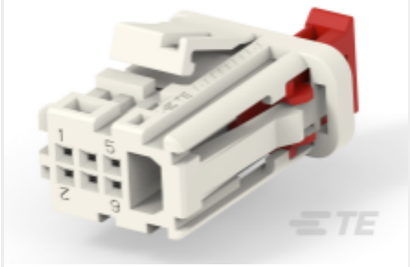
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 |

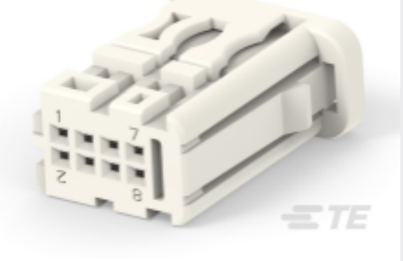
Product Compliance Disclaimer

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

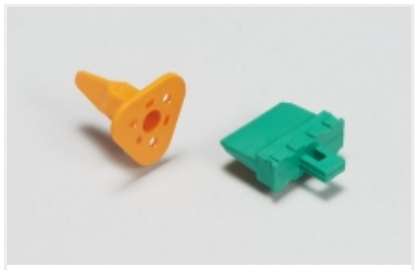


TE Part # 2312106-2
6POS,NANOMQS,REC HSG ASSY, COD B



TE Part # 2320008-2
8POS,NANOMQS,REC HSG,COD B

## Also in the Series | Nano MQS



Automotive Connector Locks & Position Assurance(3)



Automotive Headers(61)



Automotive Housings(118)



Automotive Seals & Cavity Plugs(1)



Automotive Signal & Power Connector Housings(118)



Connector Seals & Cavity Plugs(1)

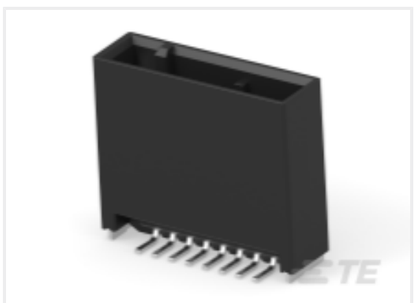


Insertion & Extraction Tools(5)

## Customers Also Bought



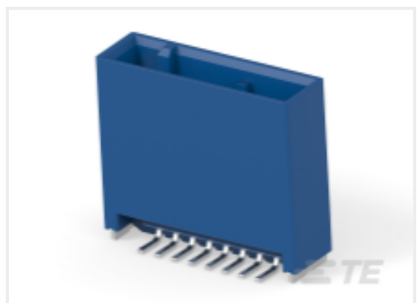
TE Part #1-1452568-3
ACTION PIN 2,8X0,6



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



TE Part #2311396-2
8POS,TAB0.5X0.4,HDR ASSY,180DEG, COD B



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



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 #3-2317523-1
2X4POS,NANOMQS,HDR ASSY, 180DEG,SMD,COD A

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

TE Part #3-2395002-1
2X4POS,NANOMQS,HDR ASSY, 180DEG,SMD,COD A

## Documents

## Product Drawings

2X4POS,NANOMQS,HDR ASSY,180DEG,SMD,COD B

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_2317523-2_A.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_2317523-2_A.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_2317523-2_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