

2177372-3 ✓ ACTIVE

Nano MQS

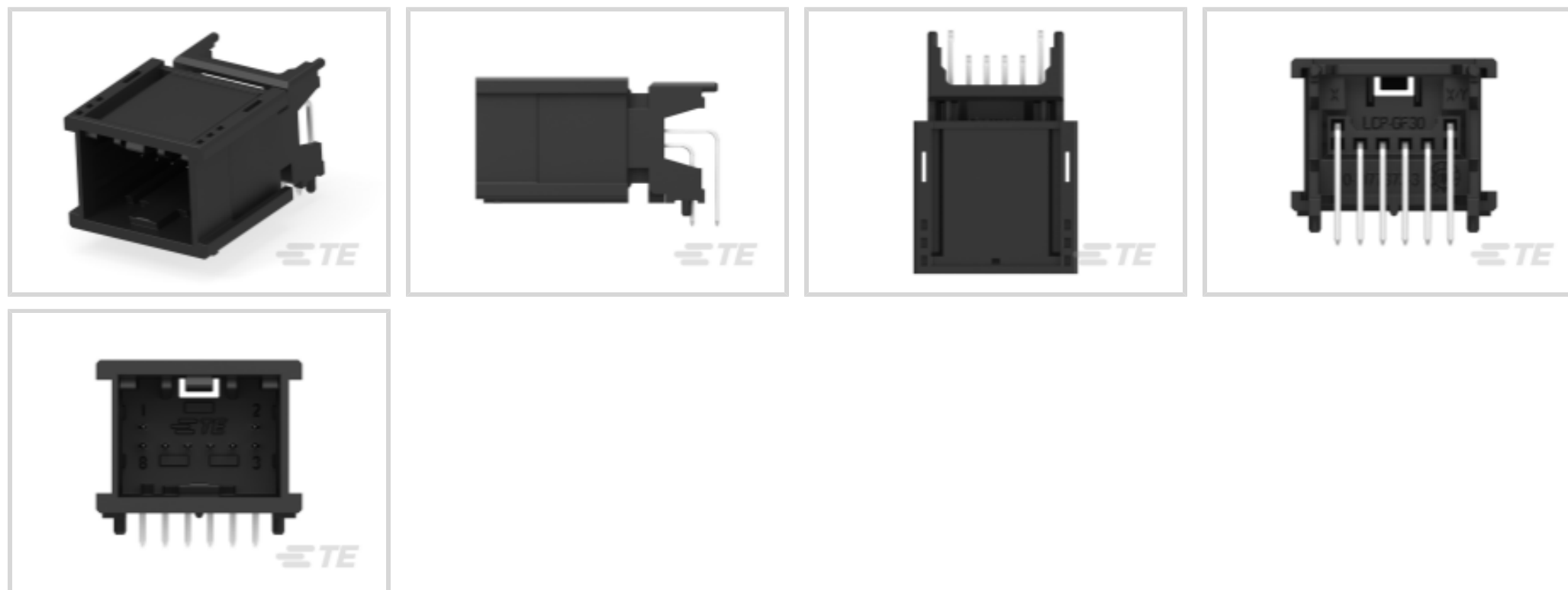
TE Internal #: 2177372-3

PCB Mount Header, Horizontal, Wire-to-Board, 8 Position, 1.8 mm [.071 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Nano MQS

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Connectors > PCB Connectors > PCB Headers & Receptacles > Miniature Automotive I/O Headers



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

Connector System: **Wire-to-Board**

Number of Positions: **8**

Number of Rows: **2**

[All Miniature Automotive I/O Headers \(19\)](#)

Features

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Dimensions

Connector Width	24.47 mm[.963 in]
PCB Thickness (Recommended)	.8 mm[.031 in]
Profile Height from PCB	12.6 mm[.496 in]
Connector Length	16.45 mm[.648 in]

Other

Interface Number	114-20160
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Packaging Features



Packaging Quantity	84
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Packaging Method	Tray
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Usage Conditions

Operating Temperature (Max)	80 °C, 105 °C, 100 °C, 90 °C, 65 °C, 85 °C, 75 °C, 70 °C[212 °F]
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Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Body Features

Connector & Keying Code	A
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Primary Product Color	Black
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Operation/Application

Solder Process	Reflow Solder
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Shielded	No
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Circuit Application	Signal
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Mechanical Attachment

Panel Mount Feature	Without
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Mating Retention Type	Locking Interface
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Mounting Holes	Without
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Mating Retention	With
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PCB Mount Retention	Without
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PCB Mount Alignment	With
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Mating Alignment	With
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Contact Features

Contact Size	.5mm
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Mating Tab Width	.5 mm[.02 in]
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Mating Tab Thickness	.4 mm[.016 in]
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Contact Mating Area Plating Material	Tin
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Contact Type	Tab
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Configuration Features

Number of Signal Positions	8
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Number of Sections	1
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PCB Mount Orientation	Horizontal
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Number of Positions	8
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Number of Rows	2
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Product Type Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder
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Housing Features

Centerline (Pitch)	1.8 mm [.071 in]
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Industry Standards

UL Flammability Rating	UL 94V-0
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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
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

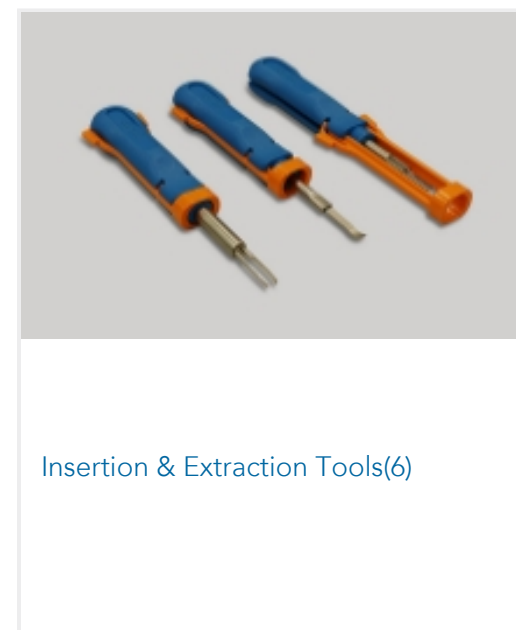
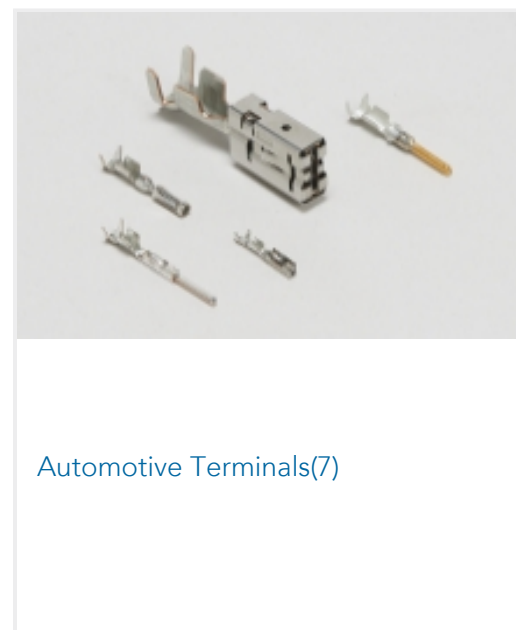
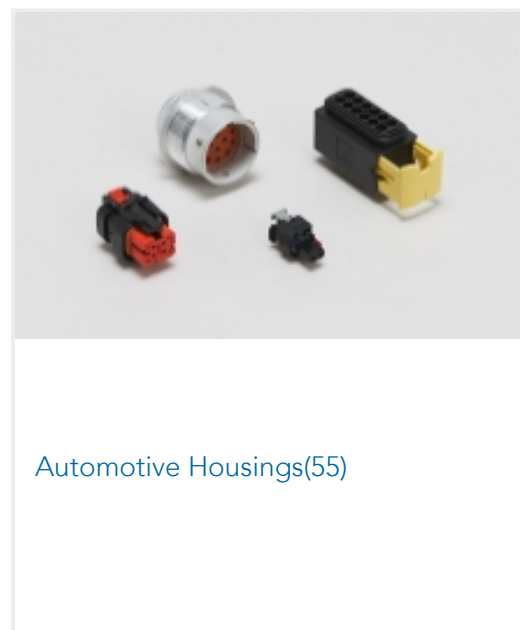
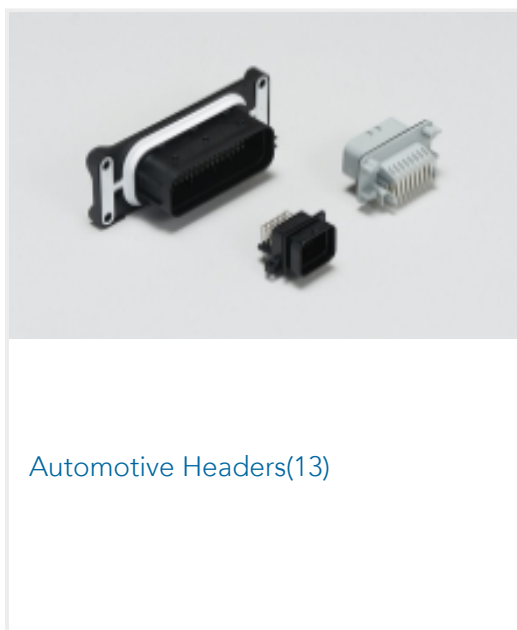


numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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



Also in the Series | Nano MQS



Customers Also Bought





Documents

Product Drawings

[8POS,TAB 0.5X0.4,HEADER ASSY,CODA](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2177372-3_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2177372-3_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2177372-3_D.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English