



MQS

TE Internal #: 1-968720-2

PCB Mount Header, Horizontal, Wire-to-Board, 32 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Black, Tray

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Signal Header



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Horizontal**

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

[All Signal Header \(280\)](#)

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Interface Number	114-18063-032

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

Configuration Features

Number of Signal Positions	32
Number of Sections	1
PCB Mount Orientation	Horizontal
Number of Positions	32
Number of Rows	2



Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Body Features

Connector & Keying Code	A
Primary Product Color	Black

Contact Features

Contact Size	.63mm
Mating Tab Width	.63 mm[.025 in]
Mating Tab Thickness	.63 mm[.025 in]
Contact Mating Area Plating Material	Tin
Contact Type	Tab

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Panel Mount Feature	With
Mating Retention Type	Locking Interface
Mounting Holes	With
Mating Retention	With
PCB Mount Retention Type	Mounting Hole
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Panel Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
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Dimensions

Connector Width	28.4 mm[1.118 in]
PCB Thickness (Recommended)	.8 – 1.6 mm[.031 – .063 in]
Profile Height from PCB	17 mm[.669 in]
Connector Length	55.86 mm[2.199 in]

Usage Conditions



Operating Temperature (Max)	130 °C, 80 °C, 125 °C, 105 °C, 90 °C, 100 °C, 65 °C, 85 °C, 75 °C, 70 °C, 110 °C, 120 °C [248 °F][221 °F][167 °F][158 °F][230 °F][176 °F][194 °F][185 °F][266 °F][212 °F][257 °F][149 °F]
Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	256
Packaging Method	Tray

Product Compliance

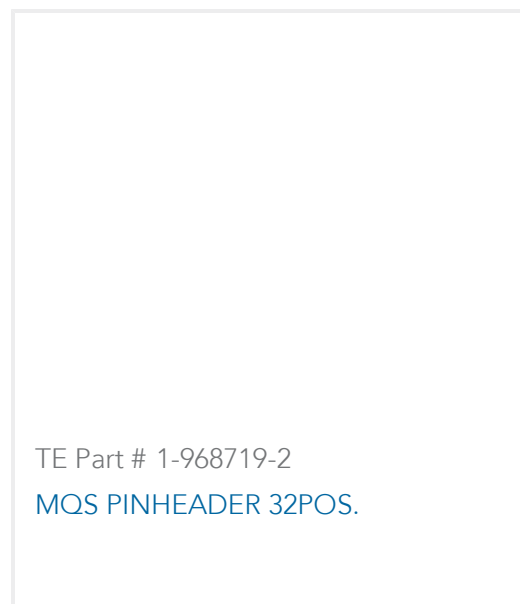
[For compliance documentation, visit the product page on TE.com>](#)

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 applicable for solder process capability

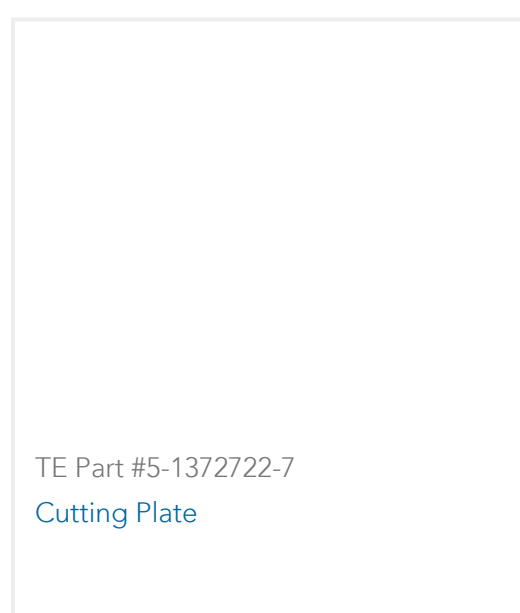
Product Compliance Disclaimer

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



Customers Also Bought



Documents

Product Drawings

[32pos MQS .63 header 90deg THR](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-968720-2_B1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-968720-2_B1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-968720-2_B1.3d_stp.zip](#)



English

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[Product Specifications](#)

[Application Specification](#)

English