



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

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



Connector System: **Wire-to-Board**
Number of Positions: **32**
Centerline (Pitch): **2.54 mm [.1 in]**
Sealable: **No**
PCB Mount Orientation: **Horizontal**

[All Signal Header \(296\)](#)

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Nominal Voltage Architecture	12 V
Operating Voltage	12 VDC

Body Features



Primary Product Color	Black
Connector & Keying Code	A

Contact Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

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

Connector Length	55.86 mm[2.199 in]
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]

Usage Conditions

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

-40 – 130 °C[-40 – 266 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	256
Packaging Method	Tray

Other

Interface Number	114-18063-032
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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 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



TE Part # 2-967348-2
MQS SHIELD FOR HOUSING 32POS.



TE Part # 1-968719-2
MQS PINHEADER 32POS.

Customers Also Bought



TE Part #966658-2
Signal Header



TE Part #1-1318384-3
025 CAP HSG ASSY 40P



TE Part #3-966658-1
32pos MQS .63 header 180deg



TE Part #735212-1
FF 250 REC 22-17AWG BR



TE Part #880622-1
TERMINAL REC. , SPECIAL TAB



TE Part #880661-3
RING TONGUE 0.5-1.0 MM2 0.61X14. 60 TPBR



TE Part #7-1904107-4
V23201-R1001-A512

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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English