



MQS

TE Internal #: 1-967658-1
PCB Mount Header, Horizontal, Wire-to-Board, 8 Position, 4 mm [.157 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Black

[View on TE.com >](#)

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



Connector System: **Wire-to-Board**
Number of Positions: **8**
Centerline (Pitch): **4 mm [.157 in]**
Sealable: **No**
PCB Mount Orientation: **Horizontal**

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

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	8
Number of Positions	8
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
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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	Without
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
PCB Mount Retention Type	Mounting Hole
Mating Retention Type	Locking Interface

Housing Features

Centerline (Pitch)	4 mm[.157 in]
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Dimensions

Connector Length	28.2 mm[1.11 in]
Connector Width	25.9 mm[1.02 in]
PCB Thickness (Recommended)	.8 – 1.6 mm[.031 – .063 in]
Profile Height from PCB	16.55 mm[.652 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]
Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]

Operation/Application

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Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	450
Packaging Method	Loose Piece

Other

Interface Number	114-18063-34
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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	Wave solder capable to 240°C

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 # CAT-M8793-T273
MQS, RECEPTACLE AND TAB

TE Part # 1-1534229-1
8POS MQS REC COD A

TE Part # 7-962885-5
MQS0,63 Au rec LL EDS 0,2-0,35

TE Part # 7-965906-5
MQS0,63 Au rec LL EDS 0,5-0,75

Customers Also Bought

TE Part #HPP845E131R5
HTU21DF RH/T SENSOR IC B5000

TE Part #7-1879133-3
RN 0603 4K99 0.1% 10PPM 1K RL

TE Part #1734101-8
Champ050 series,80pos,Au over PdNi

TE Part #1744418-5
5 POS EP 2.5 HDR, GLOW WIRE

TE Part #20018051-50
MS5849-30BA36 CL RESISTANT LS T&R

TE Part #1-1414469-0
V23134J0052X461-EV-CBOX

TE Part #1744418-4
4 POS EP 2.5 HDR, GLOW WIRE

TE Part #1-1969543-0
ASSY, HDR, VERT, 10P, DUAL ROW, EP2.5

Documents

Product Drawings

8pos MQS .63 header 90deg

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-967658-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-967658-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-967658-1_C.3d_stp.zip

English

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

1-967658-1

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Product Specifications

Product Specification

German