



**MQS**

TE Internal #: 1-967658-1

Horizontal, Wire-to-Board, 8 Position, 2 Rows, 4mm [.157in]  
Centerline, Tin (Sn), Printed Circuit Board, Signal, Black, Board Mount

[View on TE.com >](#)

Automotive Parts > Automotive Connectors > Automotive Headers > Signal Header



PCB Mount Orientation: **Horizontal**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **No**

Centerline (Pitch): **4 mm [.157 in]**

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

[All Signal Header \(240\)](#)

**Features**

**Product Type Features**

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

**Configuration Features**

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



### Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

### Body Features

Primary Product Color	Black
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### Contact Features

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

### Termination Features

Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Interface
PCB Mount Retention	Without
Mounting Holes	Without
PCB Mount Retention Type	Mounting Hole
Mating Alignment	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

### Housing Features

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

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]
Connector Length	28.2 mm[1.11 in]

### Usage Conditions

Operating Temperature (Max)	120 °C[248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]



**Operation/Application**

Shielded	No
Circuit Application	Signal

**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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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**



### Customers Also Bought



### 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.

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## Product Specifications

### Product Specification

German