

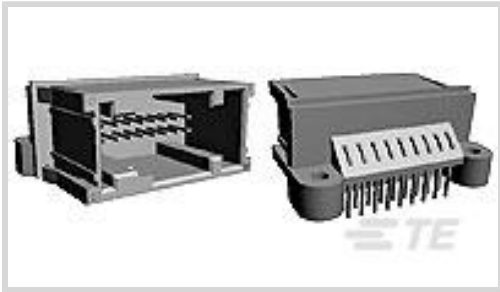


MQS

TE Internal #: 1-963539-2
MQS, Automotive Headers, 18 Position, 2.54mm [.1in] Centerline, Horizontal, 2 Row, Black, Through Hole - Solder, Tin (Sn), Printed Circuit Board

[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Headers > SIGNAL HEADER



Number of Positions: 18
Centerline (Pitch): 2.54 mm [.1 in]
Sealable: No
PCB Mount Orientation: Horizontal
Number of Rows: 2

[All SIGNAL HEADER \(423\)](#)

Features

Product Type Features

Hybrid Header	No
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Signal Positions	18
Number of Positions	18
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

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

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

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

Profile Height from PCB	17 mm[.669 in]
PCB Thickness (Recommended)	.8 – 1.6 mm[.031 – .063 in]
Product Width	27.9 mm[1.098 in]
Product Length	38.08 mm[1.499 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

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Type	Tray
Packaging Quantity	384



Other

Interface Number	114-18063-16
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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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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-CH8172
MQS, CONNECTOR HOUSING

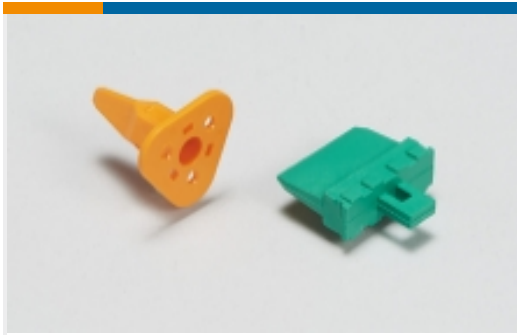
Also in the Series | MQS



Automotive Connector Caps & Covers (133)



Automotive Connector EMC Shielding (2)



Automotive Connector Locks & Position Assurance(29)



Automotive Headers(207)



Automotive Housings(498)



Automotive Seals & Cavity Plugs(26)



Automotive Terminals(98)



Data Connectivity Headers(1)



Insertion & Extraction Tools(42)



Other Automotive Connector Accessories(13)

Customers Also Bought



TE Part #1-5177986-5
Free Height Plug Connector: Board-Board, Vertical, 120, 0.8mm



TE Part #1676142-3
RN 0805 100K 0.1% 10PPM 5KRL



TE Part #1415054-1
Force Guided Power Relay, 4 Poles



TE Part #1355333-3
MQS, CONNECTOR HOUSING



TE Part #1-963539-1
SIGNAL HEADER



TE Part #1-2177995-3
AMP MCP, RECEPTACLE AND TAB



TE Part #968822-3
SICHERUNGSPLATTE

Documents



Product Drawings

18pos MQS .63 header 90deg

German

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-963539-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-963539-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-963539-2_F.3d_stp.zip

English

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

Product Specifications

Product Specification

German