1801434-2 ✔ ACTIVE

MQS

TE Internal #: 1801434-2

Horizontal, Wire-to-Board, 12 Position, 2 Row, 2.54mm [.1in] Centerline, Tin (Sn), Printed Circuit Board, 7.5A Contact Current Rating (Max), Signal

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > Signal Header







PCB Mount Orientation: **Horizontal**

Contact Current Rating (Max): **7.5 A**

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

Sealable: **No**

Centerline (Pitch): **2.54 mm [.1 in]**

All Signal Header (189)

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	12
PCB Mount Orientation	Horizontal
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	13 V

Body Features

Connector & Keying Code	2
Primary Product Color	Brown

Contact Features

Mating Tab Width	.63 mm[.025 in]
Mating Tab Thickness	.63 mm[.025 in]
Contact Type	Tab
Contact Current Rating (Max)	7.5 A
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention	With
Mounting Holes	Without
PCB Mount Retention Type	Boardlock
Mating Alignment	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Width	27.9 mm[1.098 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	29.6 mm[1.165 in]
Profile Height from PCB	16 mm[.63 in]

Usage Conditions

Operating Temperature (Max)	95 °C[203 °F]
Operating Temperature Range	-40 – 95 °C[-40 – 203 °F]

Operation/Application

Solder Process	Reflow Solder Capable
Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Method	Tray

Other

Interface Number	208-15544

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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 # 1801435-5
HEADER HOUSING, 12W MQS

TE Part # 1-185791-5
0.63 SQR PIN CONTACT PLTD



TE Part # 1379096-1
COV+LEV MQS 12W 90DEG BRO

TE Part # 1-185791-9
0.63 SQR PIN CONTACT PLTD

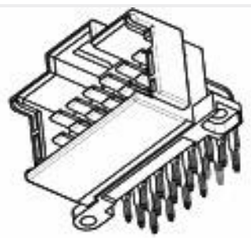
TE Part # 1379219-1
12POS MQS REC

TE Part # 1379095-1
COV+LEV MQS 12W 0DEG BROW

Customers Also Bought



TE Part #8-188275-2
MICRO-MATCH SMD FTE



TE Part #9-966140-6
MESSERLEISTE 21P

Documents

Product Drawings

12pos MQS .63 header 90deg THR

English

CAD Files

Customer View Model

ENG_CVM_CVM_1801434-2_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1801434-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1801434-2_A.3d_stp.zip

English

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Product Specifications

Product Specification

English