

185740-1 ✓ ACTIVE



MQS

TE Internal #: 185740-1

PCB Mount Header, Horizontal, Wire-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Black, MQS

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > SIGNAL HEADER



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

Number of Positions: **12**

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

Sealable: **No**

PCB Mount Orientation: **Horizontal**

[All SIGNAL HEADER \(407\)](#)

## Features

### Product Type Features

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	12
Number of Positions	12
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	1

### 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 Printed Circuit Board	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	With
PCB Mount Retention Type	Boardlock
Mating Retention Type	Locking Interface

### Housing Features

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

Connector Length	29.8 mm[1.173 in]
Connector Width	27.9 mm[1.098 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	16 mm[.63 in]

### Usage Conditions



Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C[149 °F][158 °F][167 °F][176 °F][185 °F]
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Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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### Operation/Application

Shielded	No
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Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94HB
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### Packaging Features

Packaging Type	Tray
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Packaging Quantity	1472
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### Other

Interface Number	208-15544
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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#### 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 # 1379096-1  
COV+LEV MQS 12W 90DEG BRO



TE Part # 1379219-1  
12POS MQS REC



TE Part # CAT-M8793-T273  
MQS, RECEPTACLE AND TAB




TE Part # 1379096-3  
COV+LEV MQS 12W 90DEG BLK


## Also in the Series | MQS




Automotive Connector Caps & Covers (133)




Automotive Connector EMC Shielding (2)




Automotive Connector Locks & Position Assurance(29)




Automotive Housings(492)




Automotive Seals & Cavity Plugs(26)



Automotive Terminals(95)



Insertion & Extraction Tools(42)



Other Automotive Connector Accessories(13)



PCB Headers & Receptacles(209)

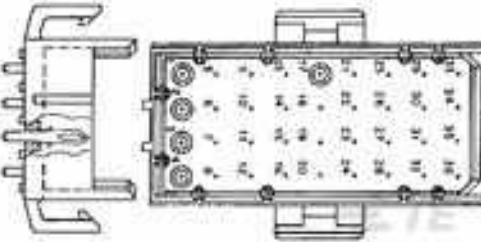
## Customers Also Bought




TE Part #1558661-4  
T9GV1L14-15



TE Part #556881-3  
RCPT ASY,VRT,AMPINRGY WTB,3POS



TE Part #640506-3  
36P MR HDR ASSY V0



TE Part #969587-2  
MOD2 STIFTLAIS2X5P



TE Part #917534-1  
040 MLC CAP ASSY 14P H LOW PRO




TE Part #827137-1  
35P MESSERLEISTE



TE Part #188685-2  
STD TIMER PCB CONTACT



TE Part #1-2311622-1  
10POS,TAB0.63X0.63,HDR ASSY,  
90DEG,SLDR



TE Part #2359790-1  
67POS,HYBRID,HDR ASSY,90DEG,  
SLDR

## Documents

### Product Drawings

12pos MQS .63 header 90deg

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_185740-1\\_O.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_185740-1\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_185740-1\\_O.3d\\_stp.zip](#)

English

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

## Product Specifications

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PCB Mount Header, Horizontal, Wire-to-Board, 12 Position, 2.54 mm [.1 in]  
Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Black, MQS



## Product Specification

English