



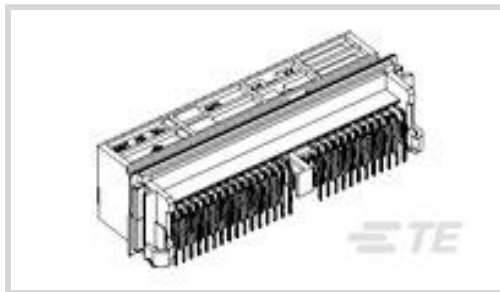
MQS

TE Internal #: 1418939-1

PCB Mount Header, Horizontal, Wire-to-Board, 56 Position, .1 in [2.54 mm] Centerline, Fully Shrouded, Tin (Sn) / Gold (Au), Through Hole - Solder, MQS

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > HIGH PIN COUNT HEADER



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

Number of Positions: **56**

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

Sealable: **No**

PCB Mount Orientation: **Horizontal**

[All HIGH PIN COUNT HEADER \(141\)](#)

Features

Product Type Features

Hybrid Header	No
Connector & Housing 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	2
Number of Signal Positions	56
Number of Positions	56
PCB Mount Orientation	Horizontal
Number of Rows	2

Body Features

Primary Product Color	Black
Connector Code	AA-Aa, RA_Ra, RI_Ri

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	Gold (Au), Tin (Sn)

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	With
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	89.86 mm[3.54 in]
Connector Width	31.8 mm[1.19 in]
PCB Thickness (Recommended)	.8 mm[.031 in]
Profile Height from PCB	23.5 mm[.925 in]

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Type	Tube
Packaging Quantity	22

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

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



Also in the Series | **MQS**



Automotive Connector Caps & Covers (132)



Automotive Connector EMC Shielding (2)



Automotive Connector Locks & Position Assurance(29)



Automotive Housings(489)



Automotive Seals & Cavity Plugs(26)



Automotive Terminals(96)



Insertion & Extraction Tools(42)



Other Automotive Connector Accessories(13)



PCB Headers & Receptacles(207)

Customers Also Bought



TE Part #1-1418939-2
HIGH PIN COUNT HEADER



TE Part #1-2109197-2
025/060/250 HYB LIF 41P CAP LH



TE Part #368513-2
ECONOSEAL, CONNECTOR HOUSING



TE Part #936020-1
E-S MK-2(+) REC TML



TE Part #2109265-2
WIRE COVER FOR OPU 5P PLUG ASSY



TE Part #2109318-2
WIRE COVER FRT FOR HYB 8P PLUG ASM



TE Part #936660-2
COVER HSG FOR 040 SLD 10P CAP

Documents



Product Drawings

56 POS. AIRBAG CONNECTOR

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1418939-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1418939-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1418939-1_A.3d_stp.zip](#)

English

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Product Specifications

Product Specification

English