



MQS

TE Internal #: 1241434-1
PCB Mount Header, Horizontal, Wire-to-Board, 121 Position, 2.54 mm / 5.8 mm [.1 in / .228 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder

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Connectors > PCB Connectors > PCB Headers & Receptacles > High Pin Count Header



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Horizontal**
Connector System: **Wire-to-Board**
Number of Positions: **121**
Number of Rows: **5**

[All High Pin Count Header \(44\)](#)

Features

Industry Standards

IP Rating	IP54K
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Dimensions

Connector Width	45 mm[1.772 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	144 mm[1.358 in]

Other

Interface Number	1355172-1
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Packaging Features

Packaging Quantity	72
Packaging Method	Loose Piece



Usage Conditions

Operating Temperature (Max)	80 °C, 105 °C, 90 °C, 100 °C, 85 °C, 65 °C, 75 °C, 70 °C, 110 °C, 120 °C[212 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Body Features

Connector & Keying Code	A
Primary Product Color	Black

Operation/Application

Solder Process	Reflow Solder
Shielded	No
Circuit Application	Power & Signal

Mechanical Attachment

Mounting Holes	Without
PCB Mount Retention Type	Boardlock
PCB Mount Retention	With
PCB Mount Alignment	With
Mating Alignment	With

Contact Features

Contact Size	.63mm, 2.8mm
Mating Tab Width	.63 mm, 2.8 mm[.025 in][.11 in]
Mating Tab Thickness	.8 mm, .63 mm[.031 in][.025 in]
Contact Mating Area Plating Material	Tin
Contact Type	Tab

Configuration Features

Number of Signal Positions	108
PCB Mount Orientation	Horizontal
Number of Positions	121
Number of Rows	5

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header



Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Termination Features

Termination Method to PCB	Through Hole - Solder
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Housing Features

Centerline (Pitch)	2.54 mm, 5.8 mm [.1 in][.228 in]
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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




TE Part # 1355172-1
JPT,TSP STE-VERB40P

Customers Also Bought



TE Part #1-338315-2
25P.HDP20 REC.ASSY



TE Part #3-2176415-0
8W STD M/OX 5% 470R



TE Part #3-2176591-9
RLC73PW 2E R14 1% 1K RL



TE Part #87977-2
08 MODIV HSG DR MRKD .100 POL



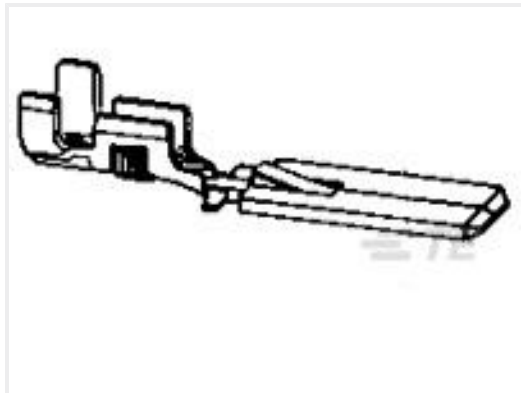
TE Part #7-1618391-4
LEV200ABNAA=RELAY, SPST-NO



TE Part #1-2339800-1
MATENET 2X3 HEADER, 90DEG, CODE A



TE Part #4-967626-1
TAB HSG 2.8MM 9POS.



TE Part #280075-2
FF 375 TAB 3-6MM2 PTBR

TE Part #5-539498-9
CAM CYLINDER COMPLETE

TE Part #1-1823212-8
MAGNET P212

Documents

Product Drawings

121pos hybrid MQS .63 header 90deg

English

CAD Files

Customer View Model

ENG_CVM_CVM_1241434-1_C.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1241434-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1241434-1_C.3d_stp.zip](#)

English

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

Product Specifications

[MQS CLEAN BODY PLUG ASSY 81P & 40P](#)

Japanese

[MQS CLEAN BODY PLUG ASSY 81P & 40P](#)

Japanese

Product Specification

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

[Instruction Sheet \(non U.S.\)](#)

Japanese