1241434-1 ✔ ACTIVE

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

View on TE.com >

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







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

Number of Positions: **121**

Centerline (Pitch): **2.54 mm, 5.8 mm [.1 in, .228 in]**

Sealable: **No**

PCB Mount Orientation: **Horizontal**

All High Pin Count Header (65)

Features

Product Type Features

Mixed & Hybrid Header	Yes
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 Signal Positions	108
Number of Positions	121
PCB Mount Orientation	Horizontal
Number of Rows	4

Body Features

Primary Product Color	Black
Connector & Keying Code	A

Contact Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm, 5.8 mm[.1 in][.228 in]

Dimensions

Connector Length	144 mm[1.358 in]
Connector Width	45 mm[1.772 in]
PCB Thickness (Recommended)	1.6 mm[.063 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[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

Degree of Protection	IP54K

Packaging Features

Packaging Quantity	72
Packaging Method	Loose Piece

Other

Interface Number	1355172-1

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 #1241152-4
4P HV100 REC. CON, SMD, GOLD, BLISTER



TE Part #1879457-7
TE 2500W 3R3 5% Bracket



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



TE Part #ASU003-03PB-HE
RECEPT ASSY 2 HOLE MTG AS 3 WAY



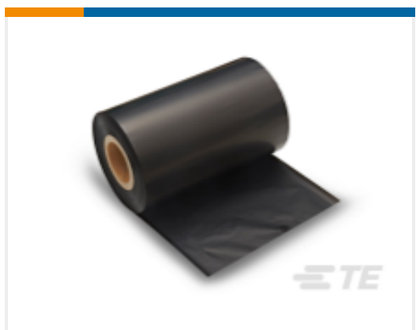
TE Part #ASU603-03SB-HE
PLUG ASSY AS 3 WAY



TE Part #ASX002-03SA-HE
RECEPTACLE ASSY AS SIZE 2 3 WAY



TE Part #ASX602-03PB-HE
PLUG ASSY AS SIZE 2 3 WAY



TE Part #1-2186562-1
RIB-1984-360-114-L-0-IN

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

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TE Connectivity:

RH73H2A40MKTN 1393431-1 141991-2 1903112-2 2005330-1 2380312-2 650075-000 SBCHE64R7K
1-794222-0 2377783-2 917696-1 MPT100C18RF SMW73R0JT TE50BR39J 2834055-1 1743455-2
175977-2 3-1393225-0 3430B2F51RTDF CPF0402B37K4E1 ROX05SJ18R SBCHE154R7K 936348-1
2-292161-3 U5254-000005-030PA 1-962915-1 1969656-1 2310537-1 3631B101LL CRGCQ2010J3K3