



MQS

TE Internal #: 5-967224-3
Horizontal, Wire-to-Board, 80 Position, 2 Rows, 3mm / 5mm [.118in / .196in] Centerline, Tin (Sn), Printed Circuit Board, Power & Signal, Natural

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Automotive Parts > Automotive Connectors > Automotive Headers > High Pin Count Header



PCB Mount Orientation: **Horizontal**
Termination Method to PCB: **Through Hole - Solder**
Sealable: **No**
Centerline (Pitch): **3 mm, 5 mm [.118 in, .196 in]**
Connector System: **Wire-to-Board**

[All High Pin Count Header \(43\)](#)

Features

Product Type Features

Connector Product Type	Connector Assembly
Mixed & Hybrid Header	Yes
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 Sections	3
PCB Mount Orientation	Horizontal
Number of Positions	80
Number of Rows	2



Body Features

Connector & Keying Code	F
Primary Product Color	Natural

Contact Features

Mating Tab Width	.63 mm, 3 mm[.025 in][.118 in]
Mating Tab Thickness	.63 mm, .8 mm[.025 in][.031 in]
Contact Type	Tab
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3 mm, 5 mm[.118 in][.196 in]
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Dimensions

Connector Width	42 mm[1.65 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	17.6 mm[.693 in]
Connector Length	172.5 mm[6.791 in]

Usage Conditions

Operating Temperature (Max)	120 °C[248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Shielded	Yes
Circuit Application	Power & Signal



Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
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Other

Interface Number	114-18313-001
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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 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	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 # 7-967313-3
MQS UMGEH 48P ASSY



TE Part # 7-967312-3
MQS UMGEH 30P ASSY

Customers Also Bought



TE Part #1-963539-2
18pos MQS .63 header 90deg



TE Part #CAT-M8793-CH8172
MQS, CONNECTOR HOUSING



TE Part #5-967224-8
72/8 POS. MIXED HEADER MQS



TE Part #1241656-1
32pos MQS .63 header 90deg



TE Part #1-1393258-1
V23047-A1021-A501



TE Part #1534149-1
MQS RETAINER ,BLACK



TE Part #2-1703930-4
NANOMQS, RECEPTACLE TERMINAL



TE Part #4-1904124-3
V23074A1001A403-EV-CBOX



TE Part #1-2236905-1
NANO TAB 0.5X0.4,TERMINAL

Documents

Product Drawings

80pos hybrid MQS .63 header 90deg

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-967224-3_C.2d_dxf.zip

5-967224-3

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Centerline, Tin (Sn), Printed Circuit Board, Power & Signal, Natural



English

Customer View Model

[ENG_CVM_CVM_5-967224-3_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-967224-3_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Datasheet](#)

English