8-1418773-1 ✔ ACTIVE

MQS

TE Internal #: 8-1418773-1

Vertical, Wire-to-Board, 32 Position, 2 Row, 2.54mm [.1in] Centerline, Tin (Sn), Printed Circuit Board, 7.5A Contact Current Rating (Max), Signal

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > Signal Header







PCB Mount Orientation: **Vertical**

Contact Current Rating (Max): **7.5 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **No**

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

All Signal Header (189)

Features

Product Type Features

Connector Product Type	Connector Assembly
Mixed & Hybrid Header	No
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 Signal Positions	32
Number of Sections	1
PCB Mount Orientation	Vertical
Number of Positions	32
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Connector & Keying Code	A
Primary Product Color	Blue

Contact Features

Mating Tab Width	.63 mm[.025 in]
Mating Tab Thickness	.63 mm[.025 in]
Contact Type	Tab
Contact Current Rating (Max)	7.5 A
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Width	15.8 mm[.622 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	51.15 mm[2.01 in]
Profile Height from PCB	20.2 mm[.795 in]

Usage Conditions

Operating Temperature (Max)	110 °C[230 °F]
Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]

Operation/Application

Solder Process	Reflow Solder Capable
Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	44
Packaging Method	Tray

Other

Interface Number	114-18174-1

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	有害物质含量符合标准要求 No Restricted Substance(s) 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	Not reviewed 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

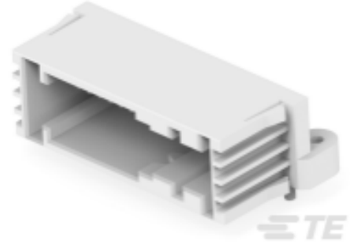


TE Part # 968265-1
32POS MQS REC

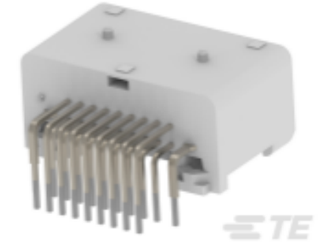
Customers Also Bought



TE Part #1-968720-4
32pos MQS .63 header 90deg



TE Part #2-968720-4
32pos MQS .63 header 90deg



TE Part #1674477-2
0.64/2.3 20POS CAP ASSY H



TE Part #1802826-1
8POS,TAB0.63X0.63,HDR ASSY, 180DEG,COD 1



TE Part #4-2177367-3
20POS,TAB 0.5X0.4,HEADER ASSY, CODA



TE Part #2296121-1
18P HEADER ASSY



TE Part #1-2320179-1
8POS,TAB0.63X0.63,HDR ASSY, 180DEG,SLDR



TE Part #1-2320179-2
8POS,TAB0.63X0.63,HDR ASSY, 180DEG,SLDR



TE Part #1802830-5
40W TH HEADER ASSY BLACK

TE Part #2478313-1
03 MODIV VRT SR SMT SN W/O CAP

Documents

Product Drawings

32pos MQS .63 header 180deg THR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-1418773-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-1418773-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-1418773-1_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

English