1-963539-1 ✔ ACTIVE

MQS

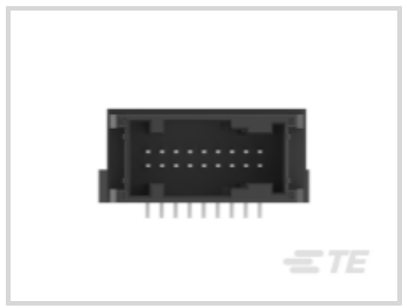
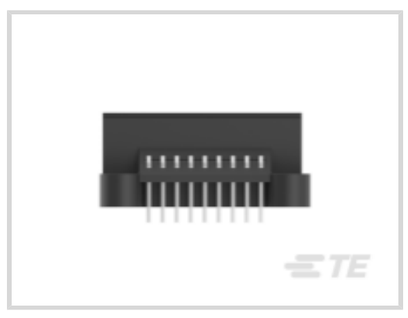
TE Internal #: 1-963539-1

PCB Mount Header, Horizontal, Wire-to-Board, 18 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Black, Tray

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > Signal Header



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

Number of Positions: **18**

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

Sealable: **No**

PCB Mount Orientation: **Horizontal**

All Signal Header (296)

Features

Product Type Features

Mixed & Hybrid Header	No
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 Sections	1
Number of Signal Positions	18
Number of Positions	18
PCB Mount Orientation	Horizontal
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V
Operating Voltage	12 VDC

Body Features

Primary Product Color	Black
Connector & Keying Code	C-F

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	Tin

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Length	38.08 mm[1.499 in]
Connector Width	27.9 mm[1.098 in]
PCB Thickness (Recommended)	.8 – 1.6 mm[.031 – .063 in]
Profile Height from PCB	17 mm[.669 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, 125 °C, 130 °C [149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F]
Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	384
Packaging Method	Tray

Other

Interface Number	114-18063-16

Product Compliance

For compliance documentation, visit the product page on TE.com>

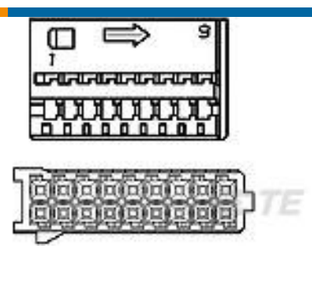
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # 1355348-1
18POS MQS REC

Customers Also Bought



TE Part #1534046-1
TAB HEADER ASSY 32POS



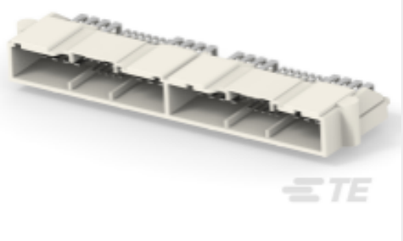
TE Part #969599-1
Signal Header



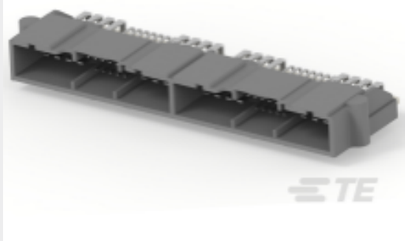
TE Part #2282347-1
TAB0.5X0.4,NANO MS, NANOMULTISPRING SNFL



TE Part #1-953893-1
16/8W+4SC MQS REC HSG ASS



TE Part #2-2188220-1
020/060 56P HDR ASSY(CODE A)



TE Part #5-2188220-3
020/060 56P HDR ASSY(CODE D)



TE Part #1-2112180-3
POF,FO PIGTAIL,MOST,150, HAMA., ASSY

TE Part #2-963539-4

TE Part #2315332-1

Documents

Product Drawings

18pos MQS .63 header 90deg

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-963539-1_F_c-1-963539-1-f.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-963539-1_F_c-1-963539-1-f.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-963539-1_F_c-1-963539-1-f.3d_stp.zip

English

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

Product Specifications

Product Specification

German

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

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