2296121-1 ✔ ACTIVE

TE Internal #: 2296121-1

Vertical, Wire-to-Board, 18 Position, 2 Row, 2.54mm [.1in] Centerline, Tin (Sn), Printed Circuit Board, Signal, Black, Board Mount

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > MQS 0.63mm 180 Degree Headers







PCB Mount Orientation: **Vertical**

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

Sealable: **No**

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

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

All MQS 0.63mm 180 Degree Headers (27)

Features

Product Type Features

Mixed & Hybrid Header	No
Header Type	Fully Shrouded
Connector Shape	Rectangular
Connector Product Type	Connector Assembly
Sealable	No
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Signal Positions	18
PCB Mount Orientation	Vertical
Number of Positions	18
Number of Rows	2

Body Features

Primary Product Color	Black

Contact Features

Mating Tab Thickness	.63 mm[.024 in]
Contact Type	Tab
Mating Tab Width	.64 mm[.025 in]
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mounting Holes	With
PCB Mount Retention Type	Mounting Hole
Mating Alignment Type	Keyed
Mating Alignment	With
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Width	41 mm[1.61 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	21.2 mm[.83 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Method	Tray
Packaging Quantity	40

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

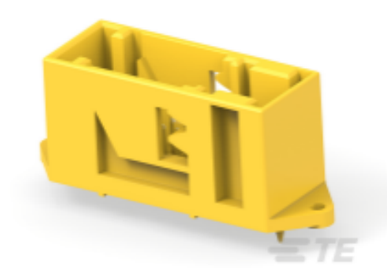
Product Compliance Disclaimer

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

Customers Also Bought



TE Part #5-747912-4
25 PLUG SOLDER CUP STD DUPL, R



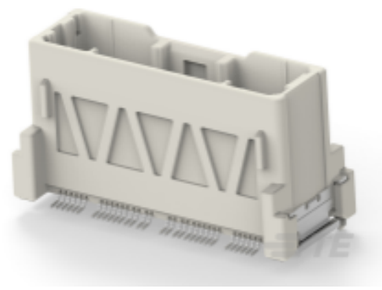
TE Part #CAT-N04-MDH063180
MQS 0.63mm 180 Degree Headers



TE Part #1802828-1
24W TH HEADER ASSY BLACK



TE Part #2278076-2
ACTION PIN FOR 1MM HOLE



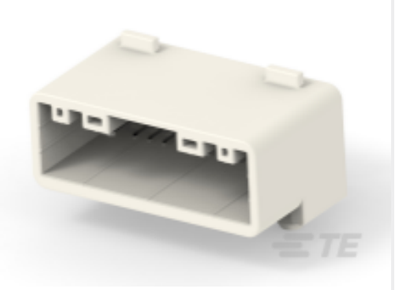
TE Part #2295435-9

36POS,HYBRID,HDR ASSY,180DEG, SMD



TE Part #1-2295435-0

36POS,HYBRID,HDR ASSY,180DEG, SMD



TE Part #2322736-1

20POS,HYBRID,HDR ASSY,90DEG, SLDR



TE Part #2322791-2

40POS,TAB0.64X0.64,HDR ASSY, 90DEG



TE Part #2327446-7

52POS,HYBRID,HDR ASSY,90DEG, SLDR

Documents

Product Drawings

18P HEADER ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2296121-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2296121-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2296121-1_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

PCB Mount Header, Vertical, Wire-to-Board, 18 Position

English