

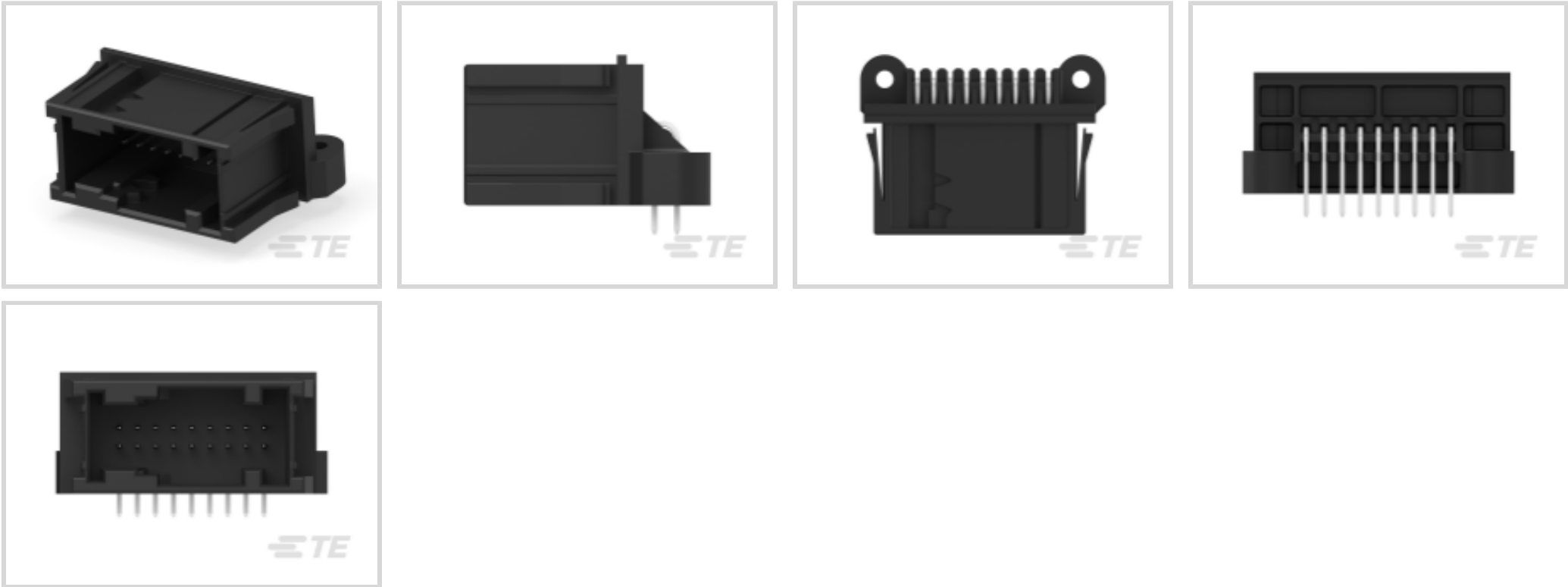


MQS

TE Internal #: 1-963539-2
PCB Mount Header, Horizontal, Wire-to-Board, 18 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Signal, Black

[View on TE.com >](#)

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



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Horizontal**
Connector System: **Wire-to-Board**
Number of Positions: **18**
Number of Rows: **2**

[All Signal Header \(245\)](#)

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	18
Number of Sections	1
PCB Mount Orientation	Horizontal
Number of Positions	18



Number of Rows	2
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Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Body Features

Connector & Keying Code	C-F
Primary Product Color	Black

Contact Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
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Dimensions

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]
Connector Length	38.08 mm[1.499 in]



Usage Conditions

Operating Temperature (Max)	125 °C[212 °F]
Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	384
Packaging Method	Tray

Other

Interface Number	114-18063-16
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 #1-316081-5
DYNAMIC D-3200 HDR ASSY 12P H

TE Part #CAT-SIGH262
Signal Header

TE Part #966871-1
MOD2 ST-WANNE 2X10P

TE Part #2-1904058-7
V23700F0002A408-EV-CBOX

TE Part #2395016-1
2X11POS,NANOMQS,ASSY,180DEG, SMD,COD A

TE Part #2312311-7
V23717A9011X003-SZ-CBOX

TE Part #2394812-1
8POS,TAB0.5X0.4,HDR ASSY,180DEG, COD A

TE Part #2310578-2
2P PIN DIA 8.0. PIN HSG 90, ASSY, V0, B

TE Part #1-2395006-2
12POS,TAB0.5X0.4,HDR ASSY, 180DEG,COD B

Document

Product Drawings
18pos MQS .63 header 90deg

English

CAD Files
3D PDF

3D



Customer View Model

[ENG_CVM_CVM_1-963539-2_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-963539-2_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-963539-2_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