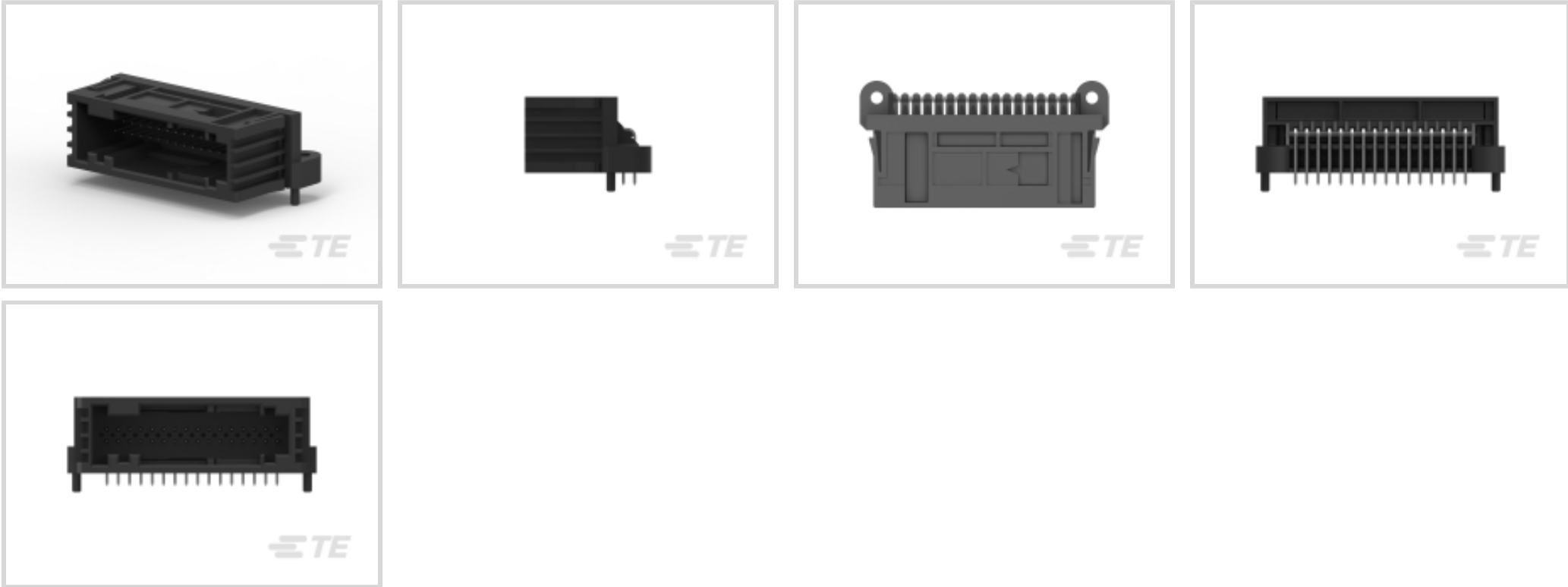




TE Internal #: 969599-1
Automotive Headers, 32 Position, 2.54mm [.1in] Centerline,
Horizontal, 2 Row, Black, Through Hole - Solder, Tin (Sn), Printed
Circuit Board, Signal
[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Headers > SIGNAL HEADER



Number of Positions: 32
Centerline (Pitch): 2.54 mm [.1 in]
Sealable: No
PCB Mount Orientation: Horizontal
Number of Rows: 2

[All SIGNAL HEADER \(423\)](#)

Features

Product Type Features

Hybrid Header	No
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Signal Positions	32
Number of Positions	32
PCB Mount Orientation	Horizontal
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V
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Body Features

Primary Product Color	Black
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Contact Features

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

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

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

Profile Height from PCB	17 mm[.669 in]
PCB Thickness (Recommended)	2 mm[.078 in]
Product Width	28.4 mm[1.11 in]
Product Length	55.8 mm[2.19 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[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

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Packaging Type	Tray
Packaging Quantity	256

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 2021 (211) Candidate List Declared Against: JAN 2019 (197) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



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

Customers Also Bought



TE Part #1-66099-5
TYPE III CONTACTS LP



TE Part #1-179277-2
DYNAMIC 3200 HDR ASSY



TE Part #1355505-1
SIGNAL HEADER



TE Part #1534131-1
MQS LOCKING DEVICE FOR4P



TE Part #1544606-3
TAB HOUSING, 8MM NG1, 1 WAY



TE Part #9850703001
ACW0219-0.50-04(NS)

Documents

Product Drawings

32pos MQS .63 header 90deg

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_969599-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_969599-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_969599-1_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

969599-1

Automotive Headers, 32 Position, 2.54mm [.1in] Centerline, Horizontal, 2 Row, Black, Through Hole - Solder, Tin (Sn), Printed Circuit Board, Signal

