

1745060-1 ✓ ACTIVE



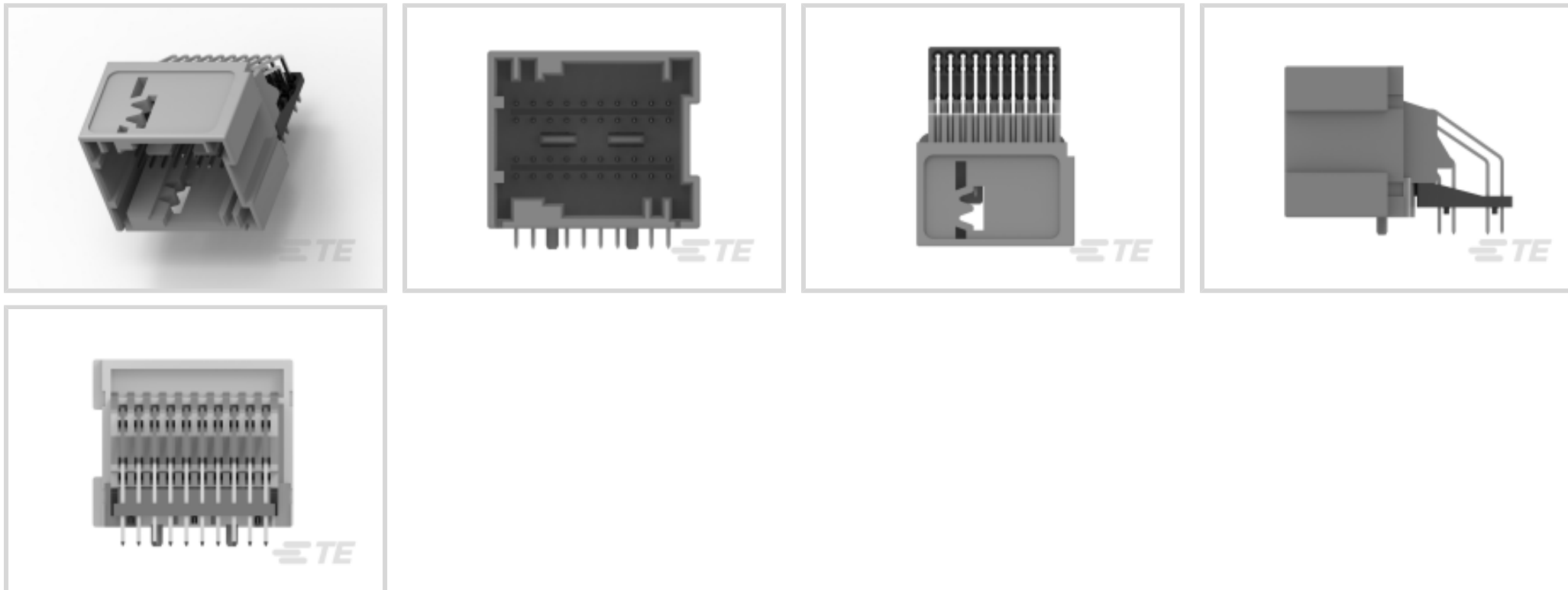
MQS

TE Internal #: 1745060-1

PCB Mount Header, Horizontal, Wire-to-Board, 40 Position, .1 in [2.54 mm] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Signal, MQS

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > SIGNAL HEADER



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

Number of Positions: **40**

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

Sealable: **No**

PCB Mount Orientation: **Horizontal**

[All SIGNAL HEADER \(414\)](#)

## Features

### Product Type Features

Hybrid Header	No
Connector & Housing 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	40
Number of Positions	40
PCB Mount Orientation	Horizontal
Number of Rows	4



### Electrical Characteristics

Nominal Voltage Architecture	12 V
Operating Voltage	16 VDC

### Body Features

Primary Product Color	Gray
-----------------------	------

### 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 (Sn)

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

Connector Length	32 mm[1.26 in]
Connector Width	40.3 mm[1.587 in]
PCB Thickness (Recommended)	.8 – 1.6 mm[.031 – .063 in]
Profile Height from PCB	26.7 mm[1.051 in]

### Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [149 °F][158 °F][167 °F][176 °F][185 °F]
-----------------------------	--



	[194 °F][212 °F]
Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]

### Operation/Application

Shielded	No
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94HB
------------------------	---------

### Packaging Features

Packaging Type	Loose Piece
Packaging Quantity	160

### Other

Interface Number	953122-6
------------------	----------

## 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 2022 (224) Candidate List Declared Against: JAN 2022 (223) 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	Not lead free process capable

#### 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 # 953122-3  
40W MQS COVER ASSY (15D)



TE Part # 953122-1  
40W MQS COVER ASSY (15D)



TE Part # 953122-4  
40W MQS COVER ASSY (15d)



TE Part # 953122-5  
COVER ASSY 40 W MQS



TE Part # 953122-6  
40W MQS COVER ASSY




TE Part # 953122-2  
40W MQS COVER ASSY (15D)




TE Part # 953122-7  
40W MQS COVER ASSY

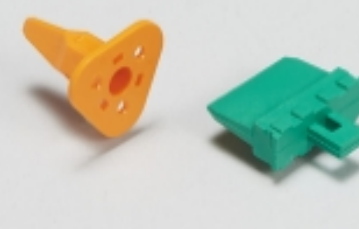
## Also in the Series | MQS




Automotive Connector Caps & Covers (132)




Automotive Connector EMC Shielding (2)



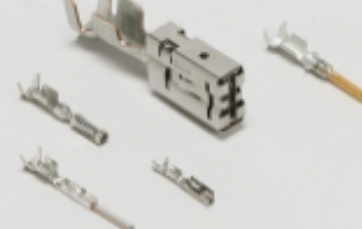
Automotive Connector Locks & Position Assurance(29)




Automotive Housings(489)




Automotive Seals & Cavity Plugs(26)



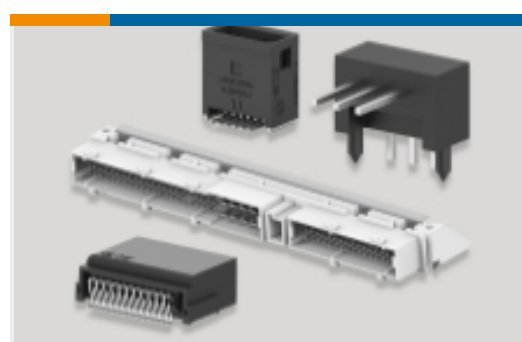
Automotive Terminals(96)



Insertion & Extraction Tools(42)



Other Automotive Connector Accessories(13)

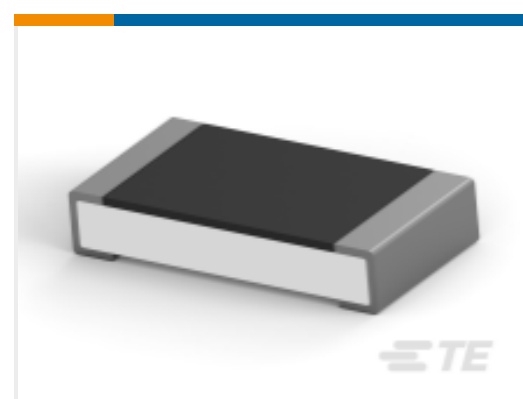
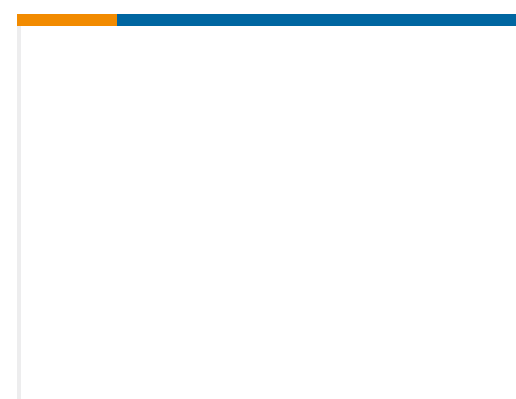


PCB Headers &amp; Receptacles(207)

## Customers Also Bought

TE Part #1-917337-5  
Header Assembly: Wire-to-Board, 15A,  
gold or tin platedTE Part #6-1622825-8  
RL73K 2B R18 5% 5K RLTE Part #5-103735-8  
09 MTE HDR SRST LATCH .100CL

PIN),2.5MM

TE Part #1624112-8  
3650 0603 68nH 5% 2K RLTE Part #5-2176388-3  
RQ 1206 34R8 0.1% 10PPM 5K RLTE Part #2317525-1  
2X5POS,NANOMQS,HDR ASSY,  
180DEG,SMD,COD A

TE Part #1471-030A-T-A2596

## Documents

### Product Drawings

40pos MQS .63 header 90deg

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1745060-1\\_A\\_c-1745060-1-a.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1745060-1\\_A\\_c-1745060-1-a.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1745060-1\\_A\\_c-1745060-1-a.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

**Product Specification**

English