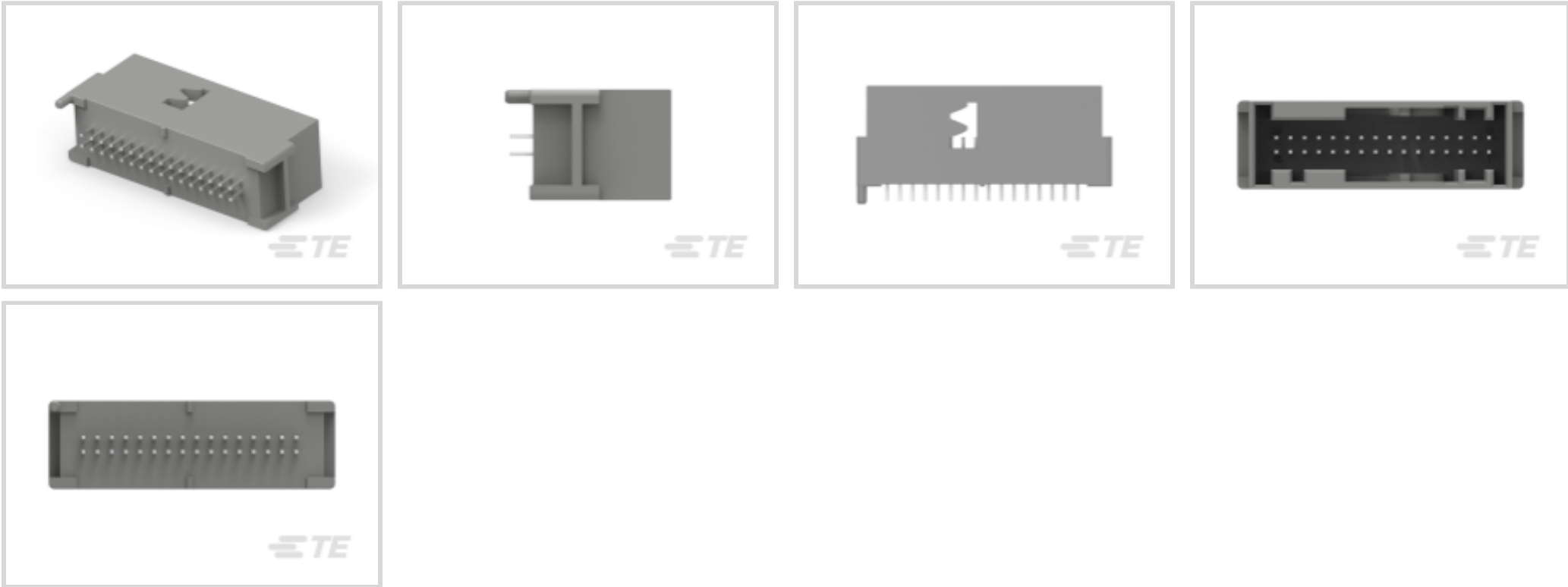




Connectors > PCB Connectors > PCB Headers & Receptacles > Signal Header



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

Number of Positions: **32**

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

Sealable: **No**

PCB Mount Orientation: **Vertical**

[All Signal Header \(301\)](#)

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	32
Number of Positions	32
PCB Mount Orientation	Vertical
Number of Rows	2



Electrical Characteristics

Voltage Rating (Max)	12 VDC
Nominal Voltage Architecture	12 V
Operating Voltage	12 VDC

Body Features

Primary Product Color	Gray
Connector & Keying Code	A

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 Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mounting Holes	Without
Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without

Housing Features

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

Connector Length	51.15 mm[1.995 in]
Connector Width	15.6 mm[.608 in]
PCB Thickness (Recommended)	.8 - 1.6 mm[.031 - .063 in]
Profile Height from PCB	20.2 mm[.795 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C[149 °F][158 °F][167 °F][176 °F][185 °F]
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]



Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	220
Packaging Method	Tray

Product Compliance

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

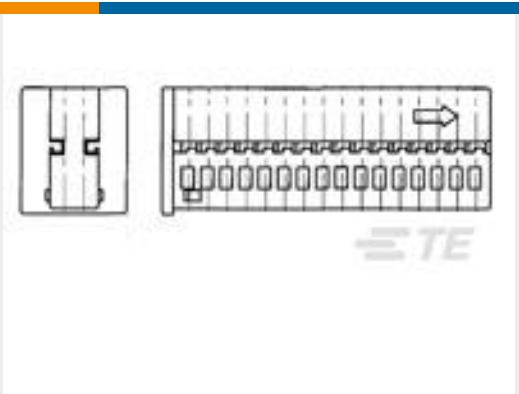
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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

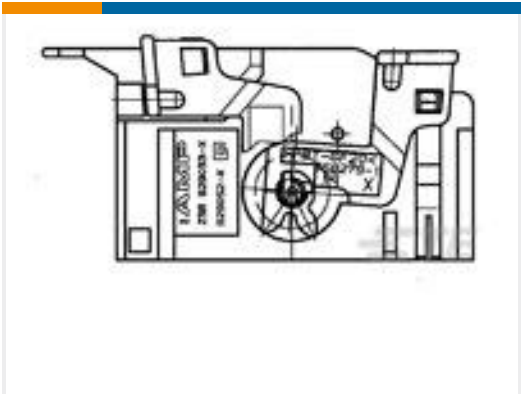
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 968265-1
32POS MQS REC



TE Part # 929053-1
MQS ABDEKA M.HEB32P

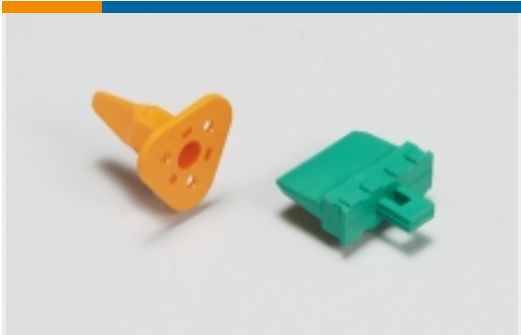


TE Part # 1989719-1
COVER ASSY MQS HSG 2X16 POSN.

Also in the Series | MQS



Automotive Connector Caps & Covers
(86)



Automotive Connector Locks &
Position Assurance(22)



Automotive Housings(298)



Automotive Terminals(78)



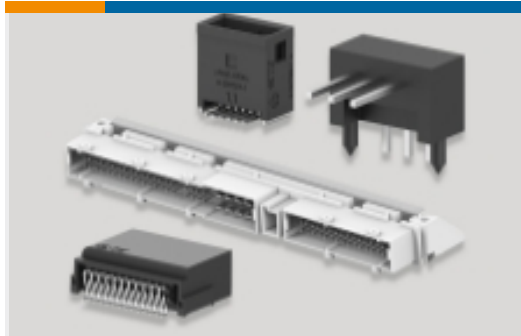
Connector Seals & Cavity Plugs(23)



Insertion & Extraction Tools(42)



Other Automotive Connector
Accessories(4)



PCB Headers & Receptacles(140)

Customers Also Bought



TE Part # 966658-1
Signal Header



TE Part # 1-1452688-3
TAB 2.8X0.8 WITH ACTION PIN



TE Part # 2291362-2
4POS,PIN DIA 0.6,HEADER ASSY,
CODE B



TE Part # 2311788-1
4POS,TAB2.8X0.8,HDR ASSY,90DEG,
SLDR



TE Part # 2331710-1
6POS,TAB0.5X0.4,HDR ASSY,90DEG,
SMD



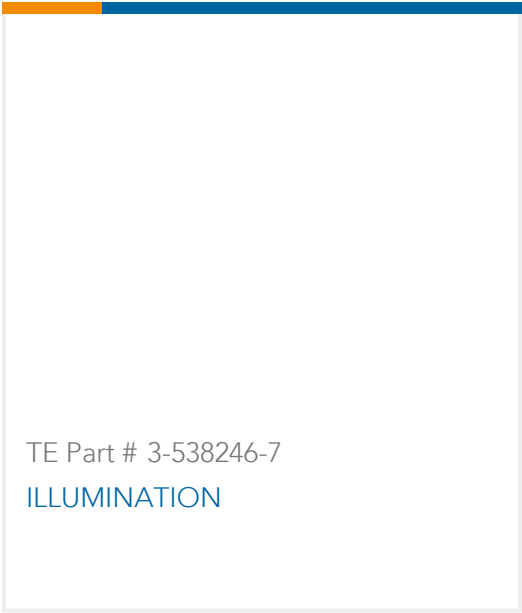
TE Part # 2370719-2
52POS,HYBRID,HDR ASSY,180DEG



TE Part # 1-1924678-1
26P SMT LAC HDR ASY, KEY AE, Hand
Mate



TE Part # 2-537647-4
POWER SUPPLY 24VDC / 20A



Documents

Product Drawings

32pos MQS .63 header 180deg

English

CAD Files

Customer View Model

ENG_CVM_CVM_967598-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_967598-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_967598-1_E.3d_stp.zip

English

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

Product Specifications

VERARBEITUNGSSPEZIFIKATION ZU MQS-SYSTEM, 32 POL. STIFTWANNE_BUCHSENSTECKER

English

Application Specification

English