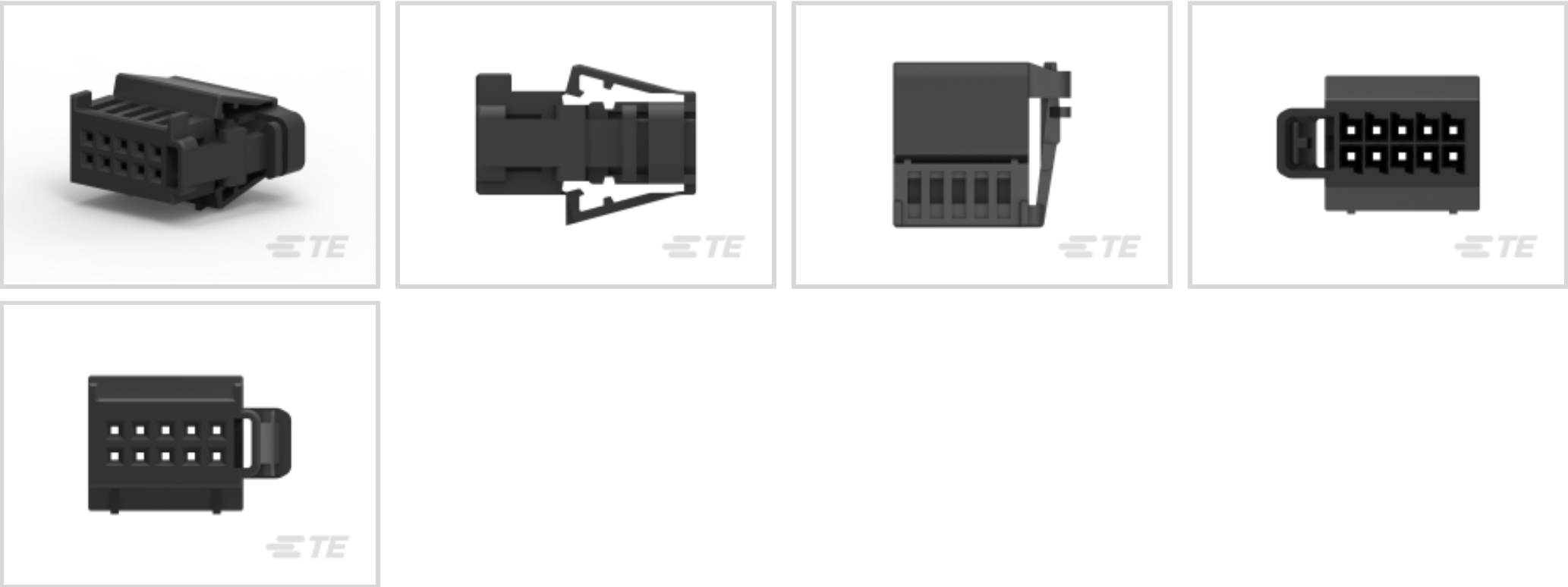# 1-1670990-1 ✓ ACTIVE

MQS

TE Internal #: 1-1670990-1

Housing for Female Terminals, Wire-to-Board, 10 Position, 2.5 mm [.098 in] Centerline, Black, Wire & Cable, Signal, Cable Mount (Free-Hanging)

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > MQS, CONNECTOR HOUSING

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

Number of Positions: **10**

Connector & Housing Type: **Housing for Female Terminals**

Centerline (Pitch): **2.5 mm [.098 in]**

Sealable: **No**

All MQS, CONNECTOR HOUSING (360)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Board
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	12 VDC

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Body Features

Cable Exit Angle	90°
Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	.63mm
Contact Type	Receptacle
Mating Tab Width	.63 mm[.025 in]
Contact Current Rating (Max)	7.5 A

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF10
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Height	18.5 mm[.728 in]
Product Width	8.7 mm[.342 in]
Product Length	19.9 mm[.783 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature (Max)	120 °C[248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Conforms to KOMAX Automatic Component Insertion Guideline	Yes, per Version 5.0 (March 2018)
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	1000

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Housing for Female Terminals, Wire-to-Board, 10 Position, 2.5 mm [.098 in]
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Packaging Method	Bulk

Other

Serviceable	Yes
Connector Position Assurance Capable	No

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	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

Compatible Parts

TE Part # 969587-1
MOD2 PIN HEADER 2X5P

TE Part # CAT-M8793-T273
MQS, RECEPTACLE AND TAB

TE Part # 969587-2
MOD2 STIFTLEIS2X5P

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Customers Also Bought

TE Part #965082-1
2X 2P LOCK-CLIP GEH

TE Part #5-867052-1
LOCKING CLIP CONT ASSY .025 SQ

TE Part #828904-2
SINGLE WIRE SEAL FOR J.P.T.CON

TE Part #174515-6
HYBRID I/O CONN PLUG HSG 22P

TE Part #1-967627-5
FLACHSTE-GEH2,8 12P

TE Part #964326-1
TIMER, RECEPTACLE AND TAB

TE Part #347713-1
2.0MM CABLE SEAL HC SILIC

TE Part #353752-2
HEAD LAMP CONNECTOR .312 (7.92 MM)

TE Part #282435-5
RELAY HSG.W.SEC.LOCK.ASSY9 POS

Documents

Product Drawings
10POS MQS REC COD A

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1670990-1_A_c-1-1670990-1-a.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1670990-1_A_c-1-1670990-1-a.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1670990-1_A_c-1-1670990-1-a.3d_stp.zip

English

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

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Housing for Female Terminals, Wire-to-Board, 10 Position, 2.5 mm [.098 in]
Centerline, Black, Wire & Cable, Signal, Cable Mount (Free-Hanging)

Product Specifications
Application Specification

English