

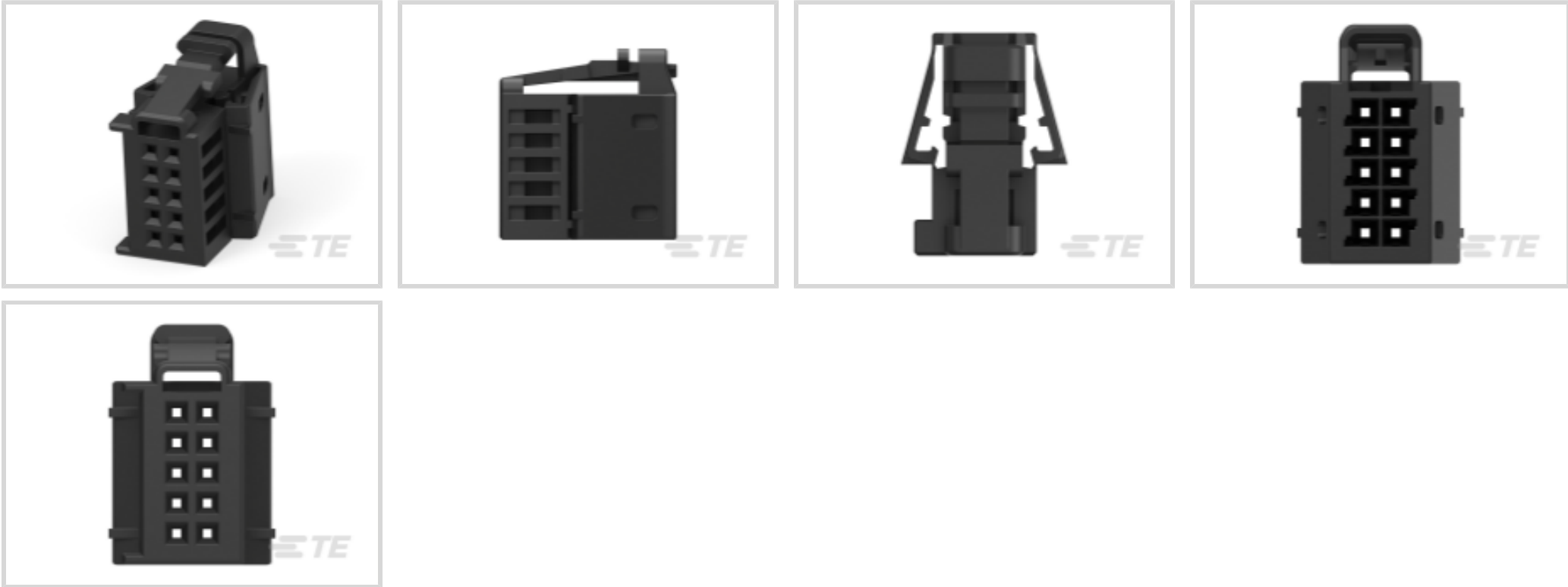


MQS

TE Internal #: 1-1670990-1
12 V, 10 Position, Automotive Housing for Female Terminals, Wire-to-Board, 2.5 mm [.098 in] Centerline, Black, Wire & Cable, Signal

[View on TE.com >](#)

Automotive Parts > Automotive Connectors > Automotive Housings > MQS 0.63mm Sealed Connectors



Nominal Voltage Architecture: 12 V
Connector & Housing Type: **Housing for Female Terminals**
Number of Positions: 10
Sealable: No
Operating Temperature Range: -40 – 120 °C [-40 – 248 °F]

[All MQS 0.63mm Sealed Connectors \(37\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V



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

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

Usage Conditions

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

Operation/Application

Conforms to Automation Guideline	Yes, KOMAX Guideline for automatic component insertion for electrical connections, Version 5.0 (March 2018)
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	1000
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # CAT-M8793-T273
MQS, RECEPTACLE AND TAB



TE Part # 969587-1
MOD2 PIN HEADER 2X5P



TE Part # 969587-2
MOD2 STIFTLAIS2X5P



TE Part # CAT-N01-MT063
MQS 0.63mm Terminals

Customers Also Bought



TE Part #364212-E
SRCBUG A 2,54 2 3 CSI 112 E1 ADV J 2 324



TE Part #464762-E
SRCROL A 2,54 2 C2022 10TS 137 * 9999 J



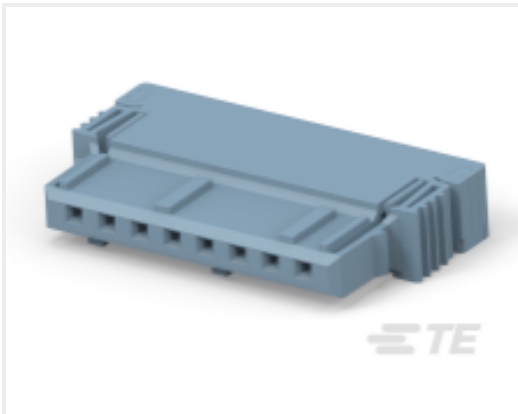
TE Part #524491-E
MCBP 14 F 2 035 137 * 197 1,27 TRAY VR2



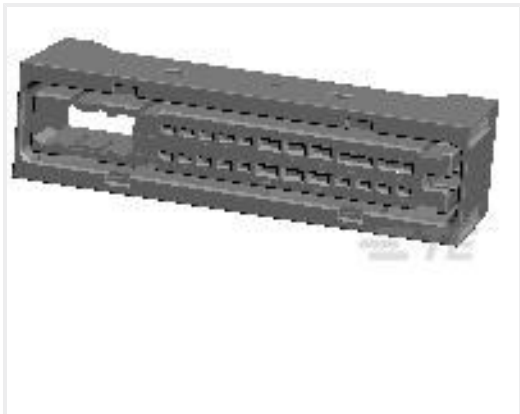
TE Part #515223-E
SRCBUG A 2,54 2-KS 10 CSI 112 E1 ADV TRA



TE Part #464771-E
SRCROL A 2,54 2 C1820 10TS 137 * 9999 J



TE Part #464743-E
SRCBUG A 2,54 2-KS 8 CSI 163 E1 ADV J 2



TE Part #1534180-1
MCP REC HSG ASSY32P



TE Part #2098762-5
Contact,female, 0.64, 20-22, CuNiSi, Sn



TE Part #454670-E
SRCBUG A 2,54 2 6 CSI 046 E1 ADV J 2 324



TE Part #368502-2
070 MLC PLUG HSG 6P SGL(BLK)

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

1-1670990-1

12 V, 10 Position, Automotive Housing for Female Terminals, Wire-to-Board, 2.5 mm [.098 in] Centerline, Black, Wire & Cable, Signal



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

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Product Specifications

Application Specification

English