



MQS

TE Internal #: 1-1703941-1
12 V, 50 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 2.54 mm [.1 in] Centerline, Black, Wire & Cable, Signal

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



Nominal Voltage Architecture: 12 V
Connector & Housing Type: **Housing for Female Terminals**
Number of Positions: 50
Sealable: No
Operating Temperature Range: -40 – 120 °C [-40 – 248 °F]

[All MQS, CONNECTOR HOUSING \(339\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Primary Locking Feature	On the Terminal
Connector System	Wire-to-Board, Wire-to-Device
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	50
Number of Rows	2

Electrical Characteristics

Operating Voltage	14 VDC
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Nominal Voltage Architecture	12 V
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Body Features

Cable Exit Angle	180 °
Primary Product Color	Black
Connector & Keying Code	Neutral

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
Terminal Position Assurance	Yes
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Row-to-Row Spacing	5.5 mm, 6.3 mm[.217 in][.248 in]
Product Width	16.5 mm[.65 in]
Product Length	67.24 mm[2.647 in]
Connector Height	6.85 mm[.27 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Method	Box
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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: JUNE 2025 (250) 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 applicable 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 # 1-1703938-1
COVER,90,ASSY



TE Part # 2208331-1
COVER,LEVER,ASSY

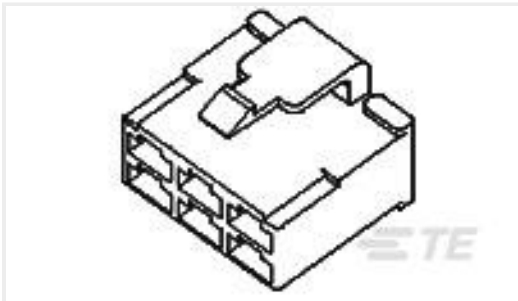


TE Part # CAT-M8793-T273
MQS, RECEPTACLE AND TAB

Customers Also Bought



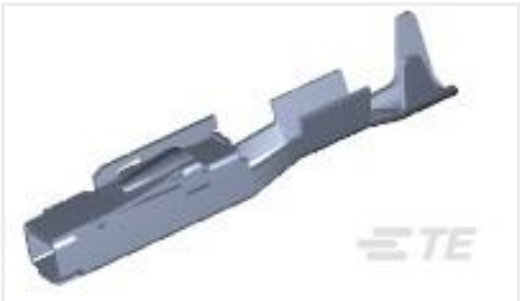
TE Part #0989076011
RBK-ILS-125-NR2-0-30MM



TE Part #171898-1
FF 250 PLUG HSG 6P NYLON NAT



TE Part #316836-1
040-3 REC CONT. S



TE Part #7-1452656-1
MCON 1.2 LL REC SRC SN



TE Part #1544603-1
1W 8MM NG1 SEALED CLIP ASSY
BLACK



TE Part #1-1801175-4
2W RECEPTACLE HP CONNECTOR
YELLOW



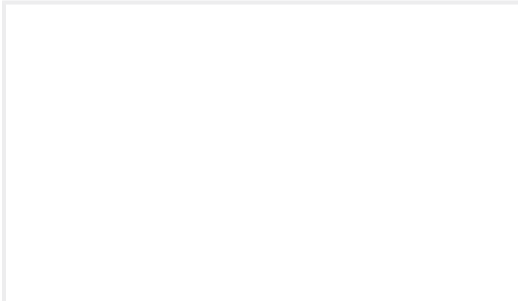
TE Part #2-1803143-2
CRIMPER, INSULATION O



TE Part #1803609-6
CRIMPER, WIRE F, SMALL WIRE
APPLICATION



TE Part #953697-5
3W MQS RCPT HSG POSI MATE



TE Part #4-1703938-1
COVER,75,ASSY

Documents

Product Drawings
50POS MQS REC

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1703941-1_B.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1703941-1_B.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1703941-1_B.3d_stp.zip

English

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Product Specifications



Application Specification

English