2137489-1 ✔ ACTIVE

MQS

TE Internal #: 2137489-1

12 V, 48 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 2.5 mm / 3.7 mm [.09 in / .14 in] Centerline, Sealable

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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: **48**

Sealable: **Yes**

Operating Temperature Range: **-40 – 120 °C [-40 – 248 °F]**

All MQS, CONNECTOR HOUSING (156)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Clean Body, Integrated in Housing
Connector System	Wire-to-Board, Wire-to-Device
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	48
Number of Rows	4

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	90 °

Contact Features

Contact Size	.64mm, 1.5mm
Contact Type	Receptacle
Mating Tab Width	.64 mm, 1.5 mm[.02 in][.06 in]
Contact Current Rating (Max)	7.5 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Polarization
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	2.5 mm, 3.7 mm[.09 in][.14 in]

Dimensions

Row-to-Row Spacing	4.2 mm[.16 in]
Product Width	37.35 mm[1.47 in]
Product Length	51.5 mm[2.02 in]
Connector Height	34.4 mm[1.35 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	120
Packaging Method	Carton

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 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

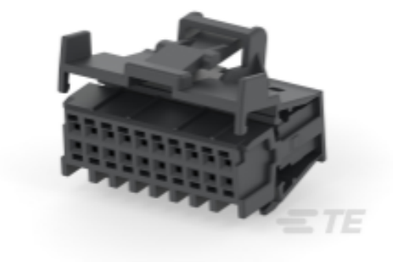


TE Part # CAT-A11-T273
1.5/2.8 CONNECTOR SYSTEM, RECPT AND TAB

Customers Also Bought



TE Part #1813271-3
SEALED MT2 PLUG HOUSING ASSEMBLY



TE Part #2329592-1
20POS,MQS,REC HSG,UNSLD

TE Part #1-2384903-1
REC CONN CVR,94POS,0.64 SERIES, 94P COVER

TE Part #1-2384905-1
REC CONN CVR,94POS,0.64 SERIES, 94P LEVER

TE Part #2434757-1
AMP MCP 1.5K,TERMINAL,SWS

TE Part #2434762-1
AMP MCP 2.8K,TERMINAL,SWS

TE Part #2434823-1
MCON 1.2,TERMINAL,CB,SWS,SN



TE Part #2435052-1
AMP SUPERSEAL 1.5 SERIES 4P PL, CONN KIT

TE Part #2435073-2
JPT,TERMINAL,A REC 2.8 CONTACT SRC SN

TE Part #2-2435149-1
TAB2.8X0.8,TERMINAL,CF SWS SN

Documents

Product Drawings

48 POS MIXED REC HSG BK W/ COV

English

CAD Files

Customer View Model

ENG_CVM_CVM_2137489-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2137489-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2137489-1_A.3d_stp.zip

English

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Product Specifications

English