MQS, Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 81 Position, 7.9mm / 2.54mm / 2.9mm [.311in / .114in / .1in] Centerline, Sealable

Features

Product Type Features

- **Row-to-Row Spacing**: 4.4 mm [.173 in]
- **Connector & Housing Type**: Housing for Female Terminals
- **Connector System**: Wire-to-Board, Wire-to-Device
- **Sealable**: Yes
- **Hybrid Connector**: Yes
- **Strain Relief**: No

Configuration Features

- **Number of Positions**: 81
- **Number of Rows**: 3, 4

Electrical Characteristics

- **Nominal Voltage Architecture**: 12 V
- **Operating Voltage**: 12 VDC

Body Features

- **Cable Exit Angle**: 90°
- **Primary Product Color**: Black

Contact Features

View on TE.com >
<table>
<thead>
<tr>
<th><strong>Mating Tab Width</strong></th>
<th>.63 mm, 2.8 mm [.025 in].11 in</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mechanical Attachment</strong></td>
<td></td>
</tr>
<tr>
<td>Terminal Position Assurance</td>
<td>Yes</td>
</tr>
<tr>
<td>Mounting Feature</td>
<td>Without</td>
</tr>
<tr>
<td>Polarized</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Housing Features</strong></td>
<td></td>
</tr>
<tr>
<td>Centerline (Pitch)</td>
<td>2.54 mm, 2.9 mm, 5.8 mm, 7.9 mm [.1 in].114 in].228 in].311 in</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>31 mm [1.22 in]</td>
</tr>
<tr>
<td>Length</td>
<td>76.4 mm [3.008 in]</td>
</tr>
<tr>
<td>Width</td>
<td>37.4 mm [1.472 in]</td>
</tr>
<tr>
<td><strong>Usage Conditions</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Temperature (Max)</td>
<td>70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-40 – 120 °C [-40 – 248 °F]</td>
</tr>
<tr>
<td><strong>Operation/Application</strong></td>
<td></td>
</tr>
<tr>
<td>Circuit Application</td>
<td>Signal</td>
</tr>
<tr>
<td><strong>Industry Standards</strong></td>
<td></td>
</tr>
<tr>
<td>UL Flammability Rating</td>
<td>UL 94-HB</td>
</tr>
<tr>
<td><strong>Packaging Features</strong></td>
<td></td>
</tr>
<tr>
<td>Packaging Method</td>
<td>Tray</td>
</tr>
<tr>
<td>Packaging Quantity</td>
<td>30</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
</tr>
<tr>
<td>Serviceable</td>
<td>Yes</td>
</tr>
<tr>
<td>Connector Position Assurance Capable</td>
<td>No</td>
</tr>
<tr>
<td><strong>Product Compliance</strong></td>
<td></td>
</tr>
<tr>
<td>For compliance documentation, visit the product page on TE.com &gt;</td>
<td></td>
</tr>
<tr>
<td>EU RoHS Directive 2011/65/EU</td>
<td>Compliant</td>
</tr>
<tr>
<td>EU ELV Directive 2000/53/EC</td>
<td>Compliant</td>
</tr>
</tbody>
</table>
China RoHS 2 Directive MIIT Order No 32, 2016

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUN 2020 (209)
Candidate List Declared Against: JAN 2020 (205)
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 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 Model / Part # CAT-T4827-T7273
TIMER, RECEPTACLE AND TAB

TE Model / Part # CAT-HPCHS372
HIGH PIN COUNT HEADER

TE Model / Part # 1473247-1
MQS 81P LEVER(R) ASSY

TE Model / Part # 1473247-2
MQS 81P LEVER(R) ASSY

TE Model / Part # 1473250-1
MQS 81P LEVER(L) ASSY

TE Model / Part # 368382-1
MQS RETAINER HSG FOR 81P

TE Model / Part # 968221-1
HQ SOLDER PROCESS CAPABILITY

TE Model / Part # 968221-1
MQS SOLDER PROCESS CAPABILITY

Also in the Series | MQS
Customers Also Bought

- TE Model / Part #964427-2
  TIMER, RECEPTACLE AND TAB

- TE Model / Part #1473252-1
  MQS, CONNECTOR HOUSING

- TE Model / Part #1473247-1
  MQS 81P LEVER(R) ASSY

- TE Model / Part #1473250-1
  MQS 81P LEVER(L) ASSY

- TE Model / Part #368388-1
  MQS RETAINER HSG FOR 40P

- TE Model / Part #1473255-1
  MQS 40P LEVER(L) ASSY

- TE Model / Part #368382-1
  MQS RETAINER HSG FOR 81P

- TE Model / Part #963292-1
  WIRE SEALING 2,2
Documents

Product Drawings
MQS REC 81P ASSY
English

CAD Files
3D PDF
3D

Customer View Model
ENG_CVM_CVM_1473244-1_A.2d.dxf.zip
English

Customer View Model
ENG_CVM_CVM_1473244-1_A.3d.igs.zip
English

Customer View Model
ENG_CVM_CVM_1473244-1_A.3d.stp.zip
English

Datasheets & Catalog Pages
Micro Quadlok Interconnection System (MQS)
English

Product Specifications
Application Specification
English

Application Specification
English

Instruction Sheets
Instruction Sheet (non U.S.)
English

Instruction Sheet (non U.S.)
English