MODEL: SJ-3541A-TR-67 | DESCRIPTION: AUDIO JACK

FEATURES
- IP67 waterproof
- low profile
- mounting tab

SPECIFICATIONS

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>rated input voltage</td>
<td></td>
<td>12</td>
<td></td>
<td></td>
<td>Vdc</td>
</tr>
<tr>
<td>rated input current</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>contact resistance</td>
<td>between terminal and mating plug</td>
<td>50</td>
<td></td>
<td>30</td>
<td>mΩ</td>
</tr>
<tr>
<td></td>
<td>between terminal in a closed circuit</td>
<td></td>
<td>50</td>
<td>30</td>
<td>mΩ</td>
</tr>
<tr>
<td>insulation resistance</td>
<td>at 500 Vdc</td>
<td>100</td>
<td></td>
<td></td>
<td>MΩ</td>
</tr>
<tr>
<td>voltage withstand</td>
<td>for 1 minute</td>
<td></td>
<td>500</td>
<td></td>
<td>Vac</td>
</tr>
<tr>
<td>operating temperature</td>
<td>at a rate of 24 cycles/minute</td>
<td>-25</td>
<td></td>
<td>85</td>
<td>°C</td>
</tr>
<tr>
<td>life</td>
<td></td>
<td></td>
<td>5,000</td>
<td></td>
<td>cycles</td>
</tr>
<tr>
<td>flammability rating</td>
<td>UL94V-0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RoHS</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP level</td>
<td>IP67</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Note: 1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>reel storage</td>
<td>at relative humidity &lt;80%</td>
<td>40</td>
<td></td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>wave soldering</td>
<td>dipped in solder pot for 5 ± 0.5 seconds</td>
<td>255</td>
<td></td>
<td>265</td>
<td>°C</td>
</tr>
</tbody>
</table>
MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm

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MATERIAL | PLATING
---|---
terminal 1 | copper alloy | gold
terminal 2 | copper alloy | gold
terminal 3 | copper alloy | gold
terminal 4 | copper alloy | gold
terminal 5 | copper alloy | gold
support | brass | silver
insulator | PA66 |
o-ring | silicone |

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O-ring

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0.620

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PIN
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1 | sleeve
2 | tip
3 | ring 1
4 | ring 2
5 | tip

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Schematic

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ASSEMBLY REFERENCE

Additional Resources:    Product Page | 3D Model | PCB Footprint

Interference gap between chassis and O-ring is 0.4 min
(40% or above of compression of O-ring’s diameter)

After assembling on chassis
PACKAGING

units: mm

Reel Size: Ø381 mm
Reel QTY: 800 pcs per reel
REVISION HISTORY

<table>
<thead>
<tr>
<th>rev.</th>
<th>description</th>
<th>date</th>
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<tr>
<td>1.0</td>
<td>initial release</td>
<td>08/07/2018</td>
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<tr>
<td>1.01</td>
<td>brand update</td>
<td>10/08/2019</td>
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The revision history provided is for informational purposes only and is believed to be accurate.

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