MODEL: CRJ051-1-TH | DESCRIPTION: MODULAR JACK

FEATURES
• 6P6C (RJ12)
• shielded
• spring tabs

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 voltage</td>
<td></td>
<td>150</td>
<td>Vac</td>
<td></td>
<td></td>
</tr>
<tr>
<td>rated current</td>
<td></td>
<td>1.5</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>withstanding voltage</td>
<td>for 1 minute</td>
<td>1,500</td>
<td>Vac</td>
<td></td>
<td></td>
</tr>
<tr>
<td>contact resistance</td>
<td></td>
<td>40</td>
<td>mΩ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>insulation resistance</td>
<td></td>
<td>500</td>
<td>MΩ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>insertion/withdrawal force</td>
<td></td>
<td>6.12</td>
<td>kgf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>operating temperature</td>
<td></td>
<td>0</td>
<td>70°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>storage temperature</td>
<td></td>
<td>-40</td>
<td>80°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>life</td>
<td></td>
<td>1,000</td>
<td>cycles</td>
<td></td>
<td></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>
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</tr>
<tr>
<td>packaging</td>
<td>carton size: 400 x 303 x 258 mm tray QTY: 230 pcs per tray carton QTY: 2,760 pcs per carton</td>
<td></td>
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</table>

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>wave soldering</td>
<td>for maximum 5 seconds</td>
<td>240</td>
<td>°C</td>
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MECHANICAL DRAWING

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>PLATING/COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>insulator</td>
<td>PBT (UL94V-0)</td>
<td>black</td>
</tr>
<tr>
<td>2</td>
<td>contact terminals</td>
<td>phosphor bronze</td>
<td>contact area: 6 μ&quot; gold over nickel solder area: tin over nickel</td>
</tr>
<tr>
<td>3</td>
<td>shield</td>
<td>brass</td>
<td>nickel alloy</td>
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</tbody>
</table>

units: mm
tolerance:
X ±0.5 mm
XX ±0.38 mm
XXX ±0.25 mm
XXXX ±0.10 mm
PCB: ±0.05 mm
PCB thickness: 1.6 mm
unless otherwise noted
CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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### REVISION HISTORY

<table>
<thead>
<tr>
<th>rev.</th>
<th>description</th>
<th>date</th>
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<tbody>
<tr>
<td>1.0</td>
<td>initial release</td>
<td>04/16/2021</td>
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<tr>
<td>1.01</td>
<td>logo, datasheet style update</td>
<td>08/05/2022</td>
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The revision history provided is for informational purposes only and is believed to be accurate.