MODEL: CRJ055-1-TH  |  DESCRIPTION: MODULAR JACK

FEATURES
- 8P8C (RJ45)
- gold over nickel plating
- through hole

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</td>
<td>°C</td>
<td></td>
</tr>
<tr>
<td>storage temperature</td>
<td>-40</td>
<td>80</td>
<td>°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>
<td></td>
</tr>
<tr>
<td>packaging</td>
<td>carton size: 400 x 303 x 258 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tray QTY: 210 pcs per tray</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>carton QTY: 2,520 pcs per carton</td>
<td></td>
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</tr>
</tbody>
</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>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**MECHANICAL DRAWING**

units: mm

<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 gold over nickel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>solder area: tin over nickel</td>
</tr>
</tbody>
</table>

Recommended PCB Layout

Top View

**Additional Resources:** [Product Page](#) | [PCB Footprint](#)
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