Product Change Notice (PCN)

Date: 12/20/2022

PCN Number: PCN-0450880R-01

To Our Customers:
We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: PJ1-021-SMT-TR

Reason(s) for Change: Manufacturing process improvements

Description of Change: Mechanical, material, soldering, and packaging changes as shown below:
**Recommended PCB Layout (Top View)**

- **Center Pin**: Brass, Silver
- **Terminal 1**: Brass, Silver
- **Terminal 2**: Copper Alloy, Silver
- **Terminal 3**: Brass, Silver
- **Plastic**: PA6T or Equivalent
MATING PLUG
Jack Insertion Depth: 8.0 mm

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></td>
<td>40</td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>reflow soldering²</td>
<td>see reflow profile</td>
<td>255</td>
<td>260</td>
<td>255</td>
<td>°C</td>
</tr>
<tr>
<td>drying conditions</td>
<td>parts in reel: bake at 40°C ±5°C for 72 hours</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>parts removed from reel: bake at 40°C ±5°C for 10 hours</td>
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</tbody>
</table>

Note:
3. Must reflow solder within 12 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When extending their life by >72 hours.
MATING PLUG
Jack Insertion Depth: 8.1 mm

SOLDERABILITY

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<thead>
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<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>reel storage</td>
<td>reel opened &amp; unused parts repacked within 2 hours: ≤30°C, ≤50% humidity</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>reel unopened, 1 year shelf life: ≤30°C, ≤68% humidity</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>reflow soldering</td>
<td>see reflow profile</td>
<td></td>
<td></td>
<td>260</td>
<td>°C</td>
</tr>
<tr>
<td>drying conditions</td>
<td>parts removed from reel every 6 hours: bake at 40°C for 6 hours</td>
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</tbody>
</table>

Note: 1. CU Devices recommends usage of the product within 2 hours after TR4 is opened. After 8 hours, CU Devices recommends drying the parts prior to use.
Affected Date Code: **12/8/2022**

Product Availability: **Channel Availability mid Q4**

Additional Information:

PCN Approval:

Operations/Quality

[Signature]

Product Management

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F-723-001  Revision: A