Product Change Notice (PCN)

Date: 2/23/2023

PCN Number: PCN-0450523R-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: MJ-2523-SMT-TR

Reason(s) for Change: Manufacturing process improvements

Description of Change: mechanical, electrical, and soldering differences as shown below:
<table>
<thead>
<tr>
<th>Material</th>
<th>Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>terminal 1</td>
<td>copper alloy</td>
</tr>
<tr>
<td>terminal 2</td>
<td>copper alloy</td>
</tr>
<tr>
<td>terminal 4</td>
<td>brass</td>
</tr>
<tr>
<td>plastic</td>
<td>PAST or equivalent</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
<th>Plating/Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>terminal 1</td>
<td>phosphor bronze t=0.20</td>
<td>silver</td>
</tr>
<tr>
<td>terminal 2</td>
<td>phosphor bronze t=0.25</td>
<td>silver</td>
</tr>
<tr>
<td>terminal 4</td>
<td>brass t=0.25</td>
<td>silver</td>
</tr>
<tr>
<td>Insulator</td>
<td>PAST (UL94V-0)</td>
<td>black</td>
</tr>
</tbody>
</table>
### Specifications

**Parameter** | **Conditions/Description** | **Min** | **Typ** | **Max** | **Units**
--- | --- | --- | --- | --- | ---
Rated input voltage | | 52 | | | Vdc
Rated input current | | 1 | | | A
Contact resistance | between terminal and mating plug | 50 | | | mΩ
Insulation resistance | at 500 Vdc | 100 | | | MΩ
Voltage withstand | for 1 minute | 500 | | | Vdc
Insertion/withdrawal force | | 0.2 | | | kg
Operating temperature | at a rate of 24 cycles/minute | -15 | | | 85 °C
Life | | 5,000 | | | cycles
Flammability rating | UL94 V-0

### solderability

**Parameter** | **Conditions/Description** | **Min** | **Typ** | **Max** | **Units**
--- | --- | --- | --- | --- | ---
Drying conditions | Parts in a bake at 40°C ± 5°C for 72 hours | 250 | | | °C

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Affected Date Code: 2/23/23

Product Availability: Channel Availability Q2

Additional Information:

PCN Approval:

Operations/Quality

Product Management