



## Product Change Notice (PCN)

Date: **5/25/2023**

PCN Number: **PCN-0450914R-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: MJ1-2510-SMT-TR

Reason(s) for Change: *Manufacturing process improvements*

Description of Change: *Mechanical, material, soldering, and packaging changes as shown below:*

| PREVIOUS CUI DEVICES DETAIL / IMAGE  | NEW CUI DEVICES DETAIL / IMAGE |                 |           |  |     |  |   |        |   |     |   |            |  |
|--|--------------------------------|-----------------|-----------|--|-----|--|---|--------|---|-----|---|------------|--|
|  |                                |                 |           |  |     |  |   |        |   |     |   |            |  |
| <p>Recommended PCB Layout Top View</p> <table border="1" data-bbox="609 1339 795 1549"> <thead> <tr> <th>Model No.</th> <td>MJ1-2510-SMT-TR</td> </tr> </thead> <tbody> <tr> <td>Schematic</td> <td></td> </tr> <tr> <td>PIN</td> <td></td> </tr> <tr> <td>1</td> <td>sleeve</td> </tr> <tr> <td>2</td> <td>tip</td> </tr> <tr> <td>4</td> <td>tip switch</td> </tr> </tbody> </table> | Model No.                      | MJ1-2510-SMT-TR | Schematic |  | PIN |  | 1 | sleeve | 2 | tip | 4 | tip switch | <p>Recommended PCB Layout Top View</p> |
| Model No.  | MJ1-2510-SMT-TR                |                 |           |  |     |  |   |        |   |     |   |            |  |
| Schematic  |                                |                 |           |  |     |  |   |        |   |     |   |            |  |
| PIN  |                                |                 |           |  |     |  |   |        |   |     |   |            |  |
| 1  | sleeve                         |                 |           |  |     |  |   |        |   |     |   |            |  |
| 2  | tip                            |                 |           |  |     |  |   |        |   |     |   |            |  |
| 4  | tip switch                     |                 |           |  |     |  |   |        |   |     |   |            |  |

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Revision: A

|            | MATERIAL           | PLATING    |
|------------|--------------------|------------|
| terminal 1 | copper alloy       | gold flash |
| terminal 2 | copper alloy       | gold flash |
| terminal 4 | brass              | gold flash |
| plastic    | PA6T or equivalent |            |

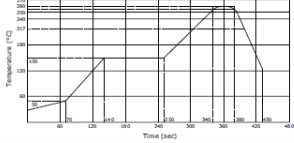
  

| DESCRIPTION | MATERIAL      | PLATING/COLOR    |
|-------------|---------------|------------------|
| terminal 1  | copper alloy  | gold over nickel |
| terminal 2  | copper alloy  | gold over nickel |
| terminal 4  | copper alloy  | gold over nickel |
| housing     | PPA [UL94V-0] | black            |
| cover       | PPA [UL94V-0] | black            |

**SOLDERABILITY**

| parameter                      | conditions/description   | min | typ | max | units |
|--------------------------------|--|-----|-----|-----|-------|
| reel storage                   | at relative humidity <80%  |     | 40  |     | °C    |
| reflow soldering <sup>1</sup>  | see reflow profile   | 255 | 260 | 265 | °C    |
| drying conditions <sup>2</sup> | parts in reel: bake at 40°C ±5°C for 72 hours<br>parts removed from reel: bake at 40°C ±5°C for 10 hours |     |     |     |       |

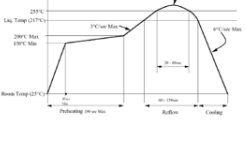
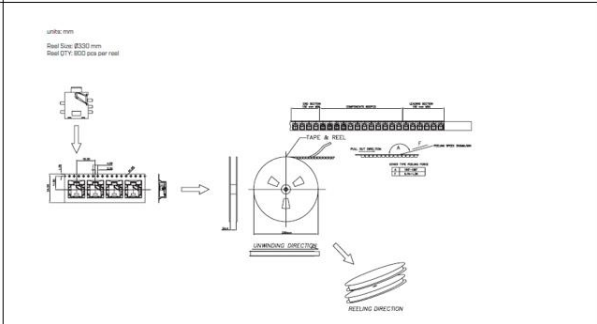
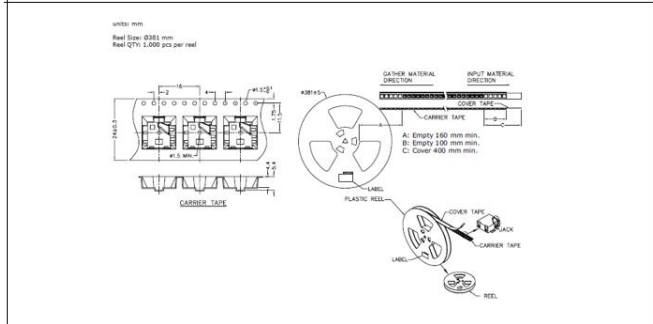
Note: 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.  
4. When exceeding floor life by >72 hours.



**SOLDERABILITY**

| parameter        | conditions/description  | min | typ | max | units |
|------------------|-------------------------|-----|-----|-----|-------|
| reel storage     | 5-25°C, 60-75% humidity |     |     |     |       |
| reflow soldering | see reflow profile      | 255 | 260 |     | °C    |

Note: 1. CU Devices recommends usage of the product within 24 hours after 168 is opened. After 24 hours, CU Devices recommends drying the parts prior to use.


Affected Date Code: 5/23/2023

Product Availability: Channel Availability Q3

Additional Information:

PCN Approval:

Operations/Quality



Product Management





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