# Product Change Notice (PCN)

**Date: 11/16/2022**

**PCN Number: PCN-0450001R-01**

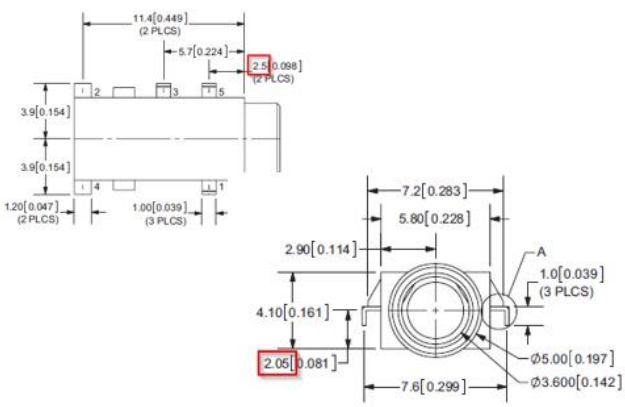
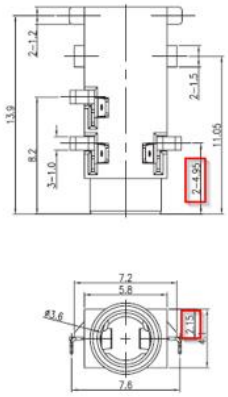
To Our Customers:
We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected:
SJ-3501-SMT-TR

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

Description of Change:

1. Slight terminal spacing difference 0.1mm higher

| PREVIOUS CUI DEVICES DETAIL / IMAGE | NEW CUI DEVICES DETAIL / IMAGE |
|---|---|
|  |  |





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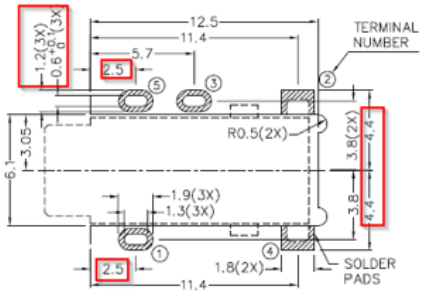
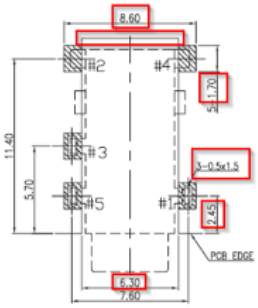
2. PCB pad/hole size differs

**PREVIOUS CUI DEVICES DETAIL / IMAGE**




Recommended PCB Layout
Top View

**NEW CUI DEVICES DETAIL / IMAGE**




Recommended PCB Layout
Top View

3. Housing material differs

**PREVIOUS CUI DEVICES DETAIL / IMAGE**

| | MATERIAL | PLATING |
|---|---|---|
| terminal 1 | copper alloy | gold flash |
| terminal 2 | copper alloy | gold flash |
| terminal 3 | copper alloy | gold flash |
| terminal 4 | copper alloy | gold flash |
| terminal 5 | copper alloy | gold flash |
| plastic | PA6T or equivalent | |

**NEW CUI DEVICES DETAIL / IMAGE**

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| terminal 1 | copper alloy t=0.20 | gold flash over nickel |
| terminal 2 | copper alloy t=0.20 | gold flash over nickel |
| terminal 3 | copper alloy t=0.20 | gold flash over nickel |
| terminal 4 | copper alloy t=0.20 | gold flash over nickel |
| terminal 5 | copper alloy t=0.20 | gold flash over nickel |
| housing | PA9T (UL94V-0) | black |

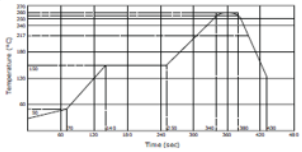
4. Reflow Soldering Difference

**PREVIOUS CUI DEVICES DETAIL / IMAGE**

**SOLDERABILITY**

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | at relative humidity <80% | | | 40 | °C |
| reflow soldering[1] | see reflow profile | 255 | 260 | 265 | °C |
| drying conditions[4] | 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.

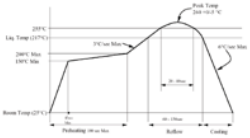



**NEW CUI DEVICES DETAIL / IMAGE**

**SOLDERABILITY**

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | 5-25°C, 20-75% humidity | | | | |
| reflow soldering | see reflow profile | 255 | 260 | | °C |

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





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5. Tape and reel packaging differs

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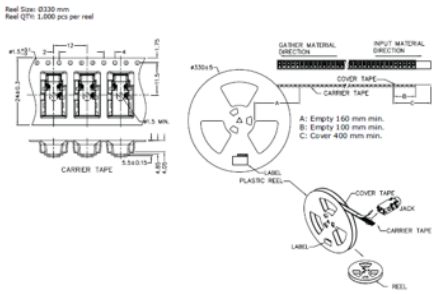
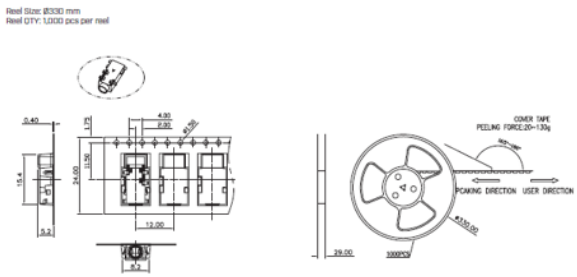
|---|---|
|  |  |

Affected Date Code: *11/15/2022*

Product Availability: *Channel availability mid Q4*

Additional Information:

PCN Approval:

Operations/Quality

Product Management

11/16/2022

F-723-001 Revision: A