

# Product Change Notice (PCN)

Date: **06/29/2023**

PCN Number: **PCN-0451521R-01**

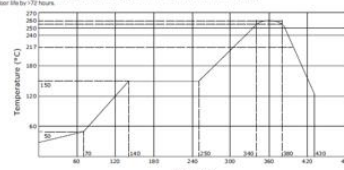
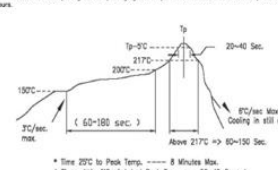
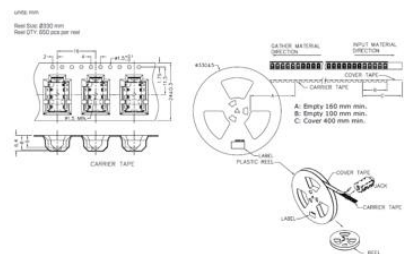
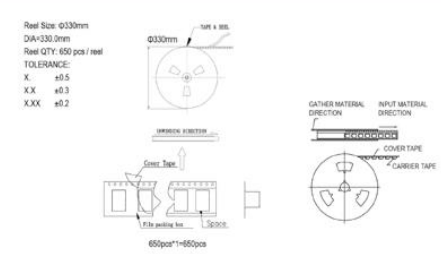
To Our Customers:

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-4361X-SMT series: SJ-43614-SMT-TR, SJ-43615TS-SMT-TR, SJ-43616-SMT-TR & SJ-43617-SMT-TR**

Reason(s) for Change: **Data & Packaging Update**

Description of Change: **Solder Profile Difference. See image Below**

| PREVIOUS CUI DEVICES DETAIL / IMAGE  | NEW CUI DEVICES DETAIL / IMAGE   |                        |     |     |       |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
|--|--|------------------------|-----|-----|-------|-------|--------------|---------------------------|--|--|----|----|------------------|--------------------|-----|-----|-----|----|--------------------------------|--|--|--|--|--|---|-----------|------------------------|-----|-----|-----|-------|--------------|------------------------|--|--|--|----|-------------------------------|--------------------|-----|-----|--|----|--------------------------------|--|--|--|--|--|
| <p><b>SOLDERABILITY</b></p> <table border="1"> <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></td> <td>40</td> <td>°C</td> </tr> <tr> <td>reflow soldering</td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td>265</td> <td>°C</td> </tr> <tr> <td>drying conditions<sup>a</sup></td> <td>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</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Note:<br/>1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature &lt;35°C @ relative humidity &lt;85%.<br/>2. When exceeding floor life by &gt;240 hours.</p>  | parameter  | conditions/description | min | typ | max   | units | reel storage | at relative humidity <80% |  |  | 40 | °C | reflow soldering | see reflow profile | 255 | 260 | 265 | °C | drying conditions <sup>a</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 |  |  |  |  | <p><b>SOLDERABILITY</b></p> <table border="1"> <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>10-30°C, &lt;70% humidity</td> <td></td> <td></td> <td></td> <td>°C</td> </tr> <tr> <td>reflow soldering<sup>a</sup></td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td></td> <td>°C</td> </tr> <tr> <td>drying conditions<sup>a</sup></td> <td>parts in reel bake at 110°C for 4 hours<br/>parts removed from reel bake at 110°C for 4 hours</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Note:<br/>1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature &lt;35°C @ relative humidity &lt;85%.<br/>2. When exceeding floor life by &gt;240 hours.</p>  | parameter | conditions/description | min | typ | max | units | reel storage | 10-30°C, <70% humidity |  |  |  | °C | reflow soldering <sup>a</sup> | see reflow profile | 255 | 260 |  | °C | drying conditions <sup>a</sup> | parts in reel bake at 110°C for 4 hours<br>parts removed from reel bake at 110°C for 4 hours |  |  |  |  |
| parameter  | conditions/description   | min                    | typ | max | units |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
| reel storage   | at relative humidity <80%  |                        |     | 40  | °C    |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
| reflow soldering   | see reflow profile   | 255                    | 260 | 265 | °C    |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
| drying conditions <sup>a</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   |                        |     |     |       |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
| parameter  | conditions/description   | min                    | typ | max | units |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
| reel storage   | 10-30°C, <70% humidity   |                        |     |     | °C    |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
| reflow soldering <sup>a</sup>  | see reflow profile   | 255                    | 260 |     | °C    |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
| drying conditions <sup>a</sup>   | parts in reel bake at 110°C for 4 hours<br>parts removed from reel bake at 110°C for 4 hours   |                        |     |     |       |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |
|   | <p>Reel Size: 0330mm<br/>DIA=330.0mm<br/>Reel QTY: 650 pcs / reel</p> <p>TOLERANCE:<br/>X ±0.5<br/>XX ±0.3<br/>XXX ±0.2</p>  |                        |     |     |       |       |              |                           |  |  |    |    |                  |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                        |  |  |  |    |                               |                    |     |     |  |    |                                |  |  |  |  |  |



Affected Date Code: **06/26/2023**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

A handwritten signature in black ink, appearing to read "Rae D. Garcia", is written over a horizontal line.

Product Management

A handwritten signature in black ink, appearing to read "J. [unclear]", is written over a horizontal line.