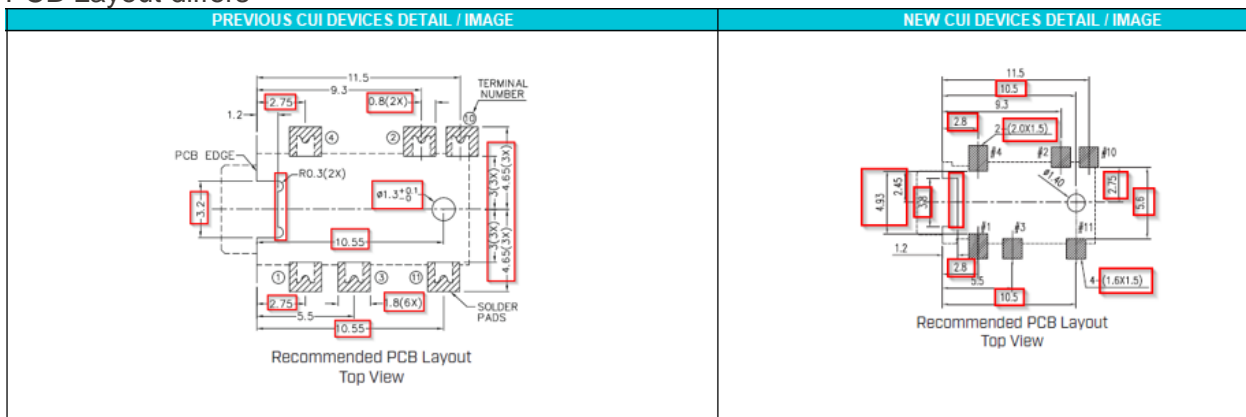




## 2. PCB Layout differs



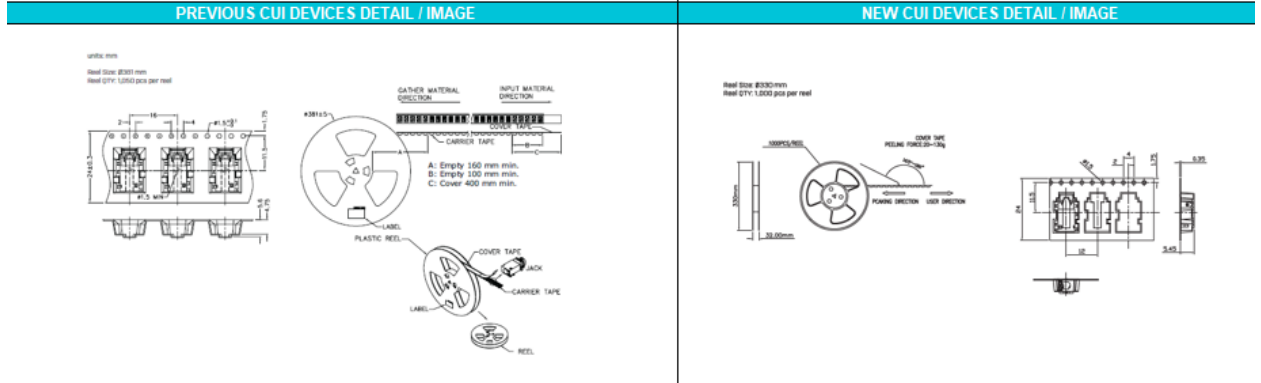
## 3. Housing material differs

| PREVIOUS CUI DEVICES DETAIL / IMAGE   | NEW CUI DEVICES DETAIL / IMAGE |                        |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
|---|--------------------------------|------------------------|---------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|-------------|--------------|------------|-------------|--------------|------------|---------|--------------|--|---|--|----------|---------|------------|---------------------|------------------------|------------|---------------------|------------------------|------------|---------------------|------------------------|------------|---------------------|------------------------|-------------|---------------------|------------------------|-------------|---------------------|------------------------|---------|-----------------------|-------|
| <table border="1"> <thead> <tr> <th></th> <th>MATERIAL</th> <th>PLATING</th> </tr> </thead> <tbody> <tr> <td>terminal 1</td> <td>copper alloy</td> <td>gold flash</td> </tr> <tr> <td>terminal 2</td> <td>copper alloy</td> <td>gold flash</td> </tr> <tr> <td>terminal 3</td> <td>copper alloy</td> <td>gold flash</td> </tr> <tr> <td>terminal 4</td> <td>copper alloy</td> <td>gold flash</td> </tr> <tr> <td>terminal 10</td> <td>copper alloy</td> <td>gold flash</td> </tr> <tr> <td>terminal 11</td> <td>copper alloy</td> <td>gold flash</td> </tr> <tr> <td>plastic</td> <td><b>PA10T</b></td> <td></td> </tr> </tbody> </table> |                                | 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 10 | copper alloy | gold flash | terminal 11 | copper alloy | gold flash | plastic | <b>PA10T</b> |  | <table border="1"> <thead> <tr> <th></th> <th>MATERIAL</th> <th>PLATING</th> </tr> </thead> <tbody> <tr> <td>terminal 1</td> <td>copper alloy t=0.20</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 2</td> <td>copper alloy t=0.25</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 3</td> <td>copper alloy t=0.20</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 4</td> <td>copper alloy t=0.25</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 10</td> <td>copper alloy t=0.25</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 11</td> <td>copper alloy t=0.20</td> <td>gold flash over nickel</td> </tr> <tr> <td>housing</td> <td><b>PA9T (UL94V-0)</b></td> <td>black</td> </tr> </tbody> </table> |  | MATERIAL | PLATING | terminal 1 | copper alloy t=0.20 | gold flash over nickel | terminal 2 | copper alloy t=0.25 | gold flash over nickel | terminal 3 | copper alloy t=0.20 | gold flash over nickel | terminal 4 | copper alloy t=0.25 | gold flash over nickel | terminal 10 | copper alloy t=0.25 | gold flash over nickel | terminal 11 | copper alloy t=0.20 | gold flash over nickel | housing | <b>PA9T (UL94V-0)</b> | black |
|   | 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 10   | copper alloy                   | gold flash             |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| terminal 11   | copper alloy                   | gold flash             |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| plastic   | <b>PA10T</b>                   |                        |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
|   | MATERIAL                       | PLATING                |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| terminal 1  | copper alloy t=0.20            | gold flash over nickel |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| terminal 2  | copper alloy t=0.25            | gold flash over nickel |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| terminal 3  | copper alloy t=0.20            | gold flash over nickel |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| terminal 4  | copper alloy t=0.25            | gold flash over nickel |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| terminal 10   | copper alloy t=0.25            | gold flash over nickel |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| terminal 11   | copper alloy t=0.20            | gold flash over nickel |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |
| housing   | <b>PA9T (UL94V-0)</b>          | black                  |         |            |              |            |            |              |            |            |              |            |            |              |            |             |              |            |             |              |            |         |              |  |   |  |          |         |            |                     |                        |            |                     |                        |            |                     |                        |            |                     |                        |             |                     |                        |             |                     |                        |         |                       |       |

## 4. Reflow Soldering Difference

| 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>refl storage</td> <td>at relative humidity &lt;80%</td> <td></td> <td>40</td> <td></td> <td>°C</td> </tr> <tr> <td>reflow soldering<sup>1</sup></td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td>265</td> <td>°C</td> </tr> <tr> <td>drying conditions<sup>2</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: 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature &lt;30°C &amp; relative humidity &lt;60%.<br/>4. When exceeding floor life by &gt;12 hours.</p> | parameter  | conditions/description | min | typ | max   | units | refl 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 |  |  |  |  | <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>refl storage</td> <td>5-25°C, 20-75% humidity</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>reflow soldering</td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td></td> <td>°C</td> </tr> </tbody> </table> <p>Note: 1. CUI Devices recommends usage of the product within 24 hours after TSS is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.</p> | parameter | conditions/description | min | typ | max | units | refl storage | 5-25°C, 20-75% humidity |  |  |  |  | reflow soldering | see reflow profile | 255 | 260 |  | °C |
| parameter   | conditions/description   | min                    | typ | max | units |       |              |                           |  |    |  |    |                               |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                         |  |  |  |  |                  |                    |     |     |  |    |
| refl 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 |                        |     |     |       |       |              |                           |  |    |  |    |                               |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                         |  |  |  |  |                  |                    |     |     |  |    |
| parameter   | conditions/description   | min                    | typ | max | units |       |              |                           |  |    |  |    |                               |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                         |  |  |  |  |                  |                    |     |     |  |    |
| refl storage  | 5-25°C, 20-75% humidity  |                        |     |     |       |       |              |                           |  |    |  |    |                               |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                         |  |  |  |  |                  |                    |     |     |  |    |
| reflow soldering  | see reflow profile   | 255                    | 260 |     | °C    |       |              |                           |  |    |  |    |                               |                    |     |     |     |    |                                |  |  |  |  |  |   |           |                        |     |     |     |       |              |                         |  |  |  |  |                  |                    |     |     |  |    |

## 5. Tape and reel packaging differs



Affected Date Code: **11/15/2022**

Product Availability: **Channel availability mid Q4**

Additional Information:

PCN Approval:

Operations/Quality



Product Management



Nick Wolfe

11/21/2022