

Product Change Notice (PCN)

Date: **6/2/2023**

PCN Number: **PCN-0451077R-01**

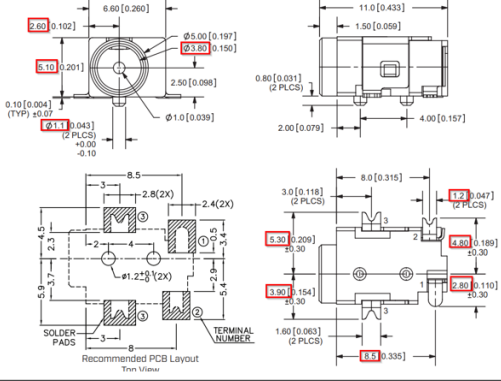
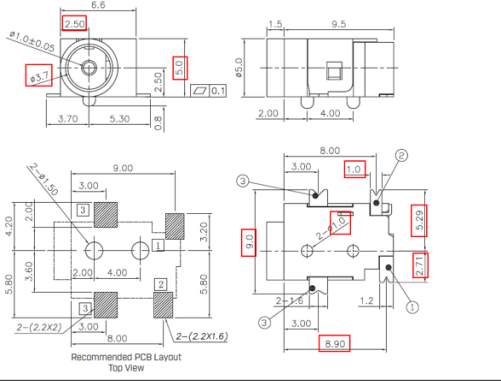
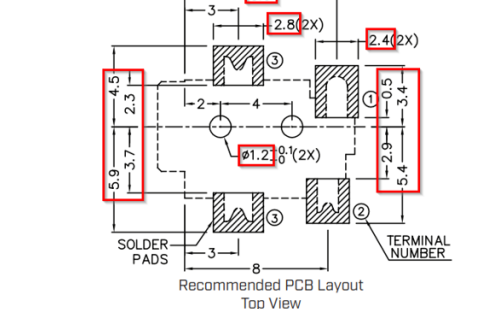
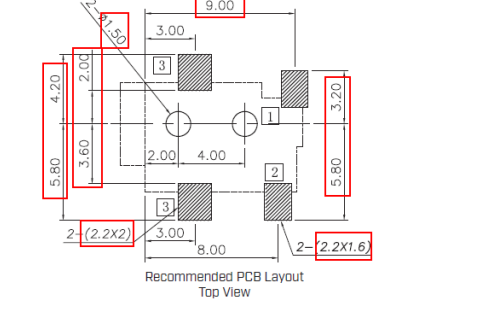
To Our Customers:

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: PJ-035-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> |  <p>Recommended PCB Layout Top View</p> |
|  <p>Recommended PCB Layout Top View</p> |  <p>Recommended PCB Layout Top View</p> |

F-723-001

Revision: A

| <table border="1"> <thead> <tr> <th></th> <th>MATERIAL</th> <th>PLATING</th> </tr> </thead> <tbody> <tr> <td>center pin</td> <td>brass</td> <td>silver</td> </tr> <tr> <td>terminal 1</td> <td>brass</td> <td>silver</td> </tr> <tr> <td>terminal 2</td> <td>copper alloy</td> <td>silver</td> </tr> <tr> <td>terminal 3</td> <td>copper alloy</td> <td>silver</td> </tr> <tr> <td>plastic</td> <td>PA6T or equivalent</td> <td></td> </tr> </tbody> </table> | | MATERIAL | PLATING | center pin | brass | silver | terminal 1 | brass | silver | terminal 2 | copper alloy | silver | terminal 3 | copper alloy | silver | plastic | PA6T or equivalent | | <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> </tr> </thead> <tbody> <tr> <td>center pin</td> <td>copper alloy</td> <td>silver over nickel</td> </tr> <tr> <td>terminal 1</td> <td>copper alloy t=0.20</td> <td>silver over nickel</td> </tr> <tr> <td>terminal 2</td> <td>copper alloy t=0.25</td> <td>silver over nickel</td> </tr> <tr> <td>terminal 3</td> <td>copper alloy t=0.25</td> <td>silver over nickel</td> </tr> <tr> <td>housing</td> <td>PPA [UL94V-0]</td> <td>black</td> </tr> </tbody> </table> | DESCRIPTION | MATERIAL | PLATING/COLOR | center pin | copper alloy | silver over nickel | terminal 1 | copper alloy t=0.20 | silver over nickel | terminal 2 | copper alloy t=0.25 | silver over nickel | terminal 3 | copper alloy t=0.25 | silver over nickel | housing | PPA [UL94V-0] | black | | | | | | |
|--|--|------------------------|---------|------------|--------------------|--------|--------------|---|--------|------------|--------------|--------------------|-------------------------------|--------------------|--------|---------|--------------------|--------------------|---|--|----------|---------------|------------|--------------|---|------------|------------------------|--------------------|------------|---------------------|--------------------|--------------|--|--------------------|---------|---------------|-------|------------------|--------------------|-----|-----|--|--------------------|
| | MATERIAL | PLATING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| center pin | brass | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | brass | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | copper alloy | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | copper alloy | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| plastic | PA6T or equivalent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | MATERIAL | PLATING/COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| center pin | copper alloy | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | copper alloy t=0.20 | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | copper alloy t=0.25 | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | copper alloy t=0.25 | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| housing | PPA [UL94V-0] | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>MATING PLUG Jack Insertion Depth: 7.3mm</p> | <p>MATING PLUG Jack Insertion Depth: 7.6mm</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SOLDERABILITY</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 <math>\leq 80\%</math></td> <td></td> <td>40</td> <td></td> <td>$^{\circ}\text{C}$</td> </tr> <tr> <td>reflow soldering¹</td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td>265</td> <td>$^{\circ}\text{C}$</td> </tr> <tr> <td>drying conditions²</td> <td>parts in reel: bake at $40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 72 hours parts removed from reel: bake at $40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 10 hours</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Note: 1. Must reflow solder within 12 hours from opening vacuum packaging at temperature $\leq 5^{\circ}\text{C}$ & relative humidity $\leq 80\%$. 2. when exceeding floor life by >72 hours.</p> | parameter | conditions/description | min | typ | max | units | reel storage | at relative humidity $\leq 80\%$ | | 40 | | $^{\circ}\text{C}$ | reflow soldering ¹ | see reflow profile | 255 | 260 | 265 | $^{\circ}\text{C}$ | drying conditions ² | parts in reel: bake at $40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 72 hours parts removed from reel: bake at $40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 10 hours | | | | | <p>SOLDERABILITY</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>$5-25^{\circ}\text{C}$, 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>$^{\circ}\text{C}$</td> </tr> </tbody> </table> <p>Note: 1. CU Devices recommends usage of the product within 24 hours after TBR is opened. After 24 hours, CU Devices recommends drying the parts prior to use.</p> | parameter | conditions/description | min | typ | max | units | reel storage | $5-25^{\circ}\text{C}$, 20-75% humidity | | | | | reflow soldering | see reflow profile | 255 | 260 | | $^{\circ}\text{C}$ |
| parameter | conditions/description | min | typ | max | units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| reel storage | at relative humidity $\leq 80\%$ | | 40 | | $^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| reflow soldering ¹ | see reflow profile | 255 | 260 | 265 | $^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| drying conditions ² | parts in reel: bake at $40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 72 hours parts removed from reel: bake at $40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 10 hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| parameter | conditions/description | min | typ | max | units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| reel storage | $5-25^{\circ}\text{C}$, 20-75% humidity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| reflow soldering | see reflow profile | 255 | 260 | | $^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>units: mm Reel Size: Ø360 mm Reel QTY: 850 pcs per reel</p> <p>GATHER MATERIAL DIRECTION INPUT MATERIAL DIRECTION</p> <p>COVER TAPE CARRIER TAPE</p> <p>A: Empty 160 mm min. B: Empty 100 mm min. C: Cover 400 mm min.</p> <p>PLASTIC REEL COVER TAPE CARRIER TAPE REEL</p> | <p>units: mm Reel Size: Ø330 mm Reel QTY: 1000 pcs per reel</p> <p>REEL DIRECTION</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Affected Date Code: 5/30/2023

Product Availability: Channel Availability Q3

Additional Information:

F-723-001

Revision: A



PCN Approval:

Operations/Quality

Rae Adams

Product Management

RH
