

Product Change Notice (PCN)

Date: 6/16/2023

PCN Number: PCN-0454746R-01

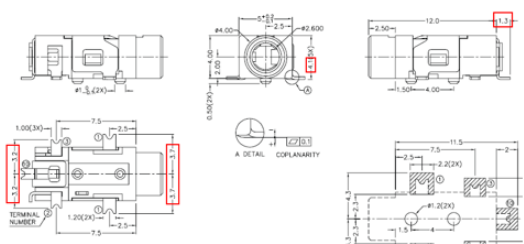
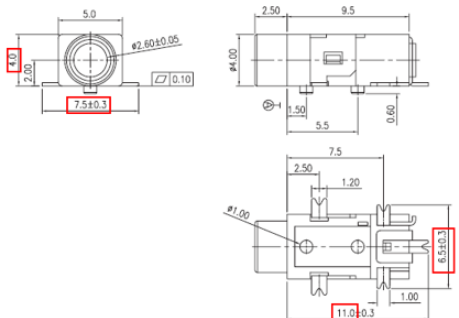
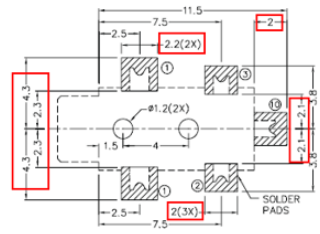
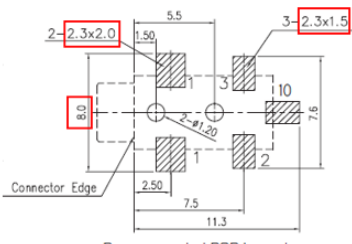
To Our Customers:

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: SJ2-25102B-SMT-TR, SJ2-25103A-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 style="text-align: center;">Recommended PCB Layout Top View</p> |  <p style="text-align: center;">Recommended PCB Layout Top View</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>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>terminal 10</td> <td>copper alloy</td> <td>silver</td> </tr> <tr> <td>plastic</td> <td>PA10T</td> <td></td> </tr> </tbody> </table> | | MATERIAL | PLATING | terminal 1 | copper alloy | silver | terminal 2 | copper alloy | silver | terminal 3 | copper alloy | silver | terminal 10 | copper alloy | silver | plastic | PA10T | | <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> </tr> </thead> <tbody> <tr> <td>terminal 1</td> <td>C5210 t=0.25</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 2</td> <td>C5210 t=0.25</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 3</td> <td>C5210 t=0.25</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 10</td> <td>C2680 t=0.25</td> <td>gold flash over nickel</td> </tr> <tr> <td>housing</td> <td>PA10T (UL94V-0)</td> <td>black</td> </tr> </tbody> </table> | DESCRIPTION | MATERIAL | PLATING/COLOR | terminal 1 | C5210 t=0.25 | gold flash over nickel | terminal 2 | C5210 t=0.25 | gold flash over nickel | terminal 3 | C5210 t=0.25 | gold flash over nickel | terminal 10 | C2680 t=0.25 | gold flash over nickel | housing | PA10T (UL94V-0) | black |
| | MATERIAL | PLATING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | copper alloy | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | copper alloy | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | copper alloy | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 10 | copper alloy | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| plastic | PA10T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | MATERIAL | PLATING/COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | C5210 t=0.25 | gold flash over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | C5210 t=0.25 | gold flash over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | C5210 t=0.25 | gold flash over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 10 | C2680 t=0.25 | gold flash over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| housing | PA10T (UL94V-0) | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

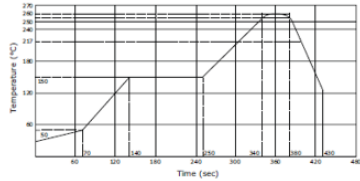
F-723-001

Revision: A

| SOLDERABILITY | | | | |
|-------------------------------|---|-----|-----|--------------------|
| 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 | $^{\circ}\text{C}$ |

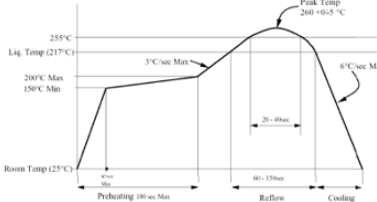
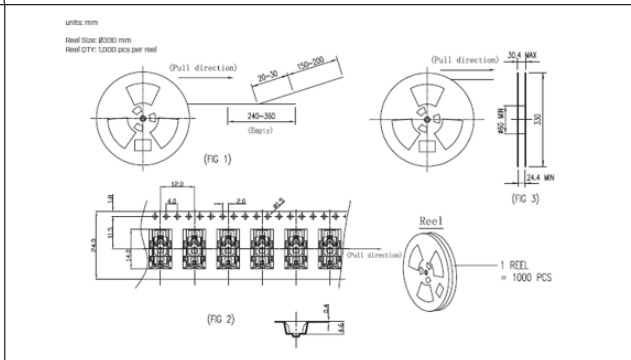
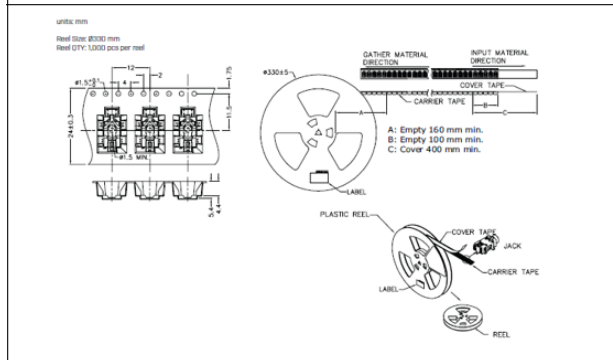
drying conditions² parts in reel: bake at 40°C ±5°C for 72 hours
parts removed from reel: bake at 40°C ±5°C for 10 hours

Note: 1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature $\leq 27^{\circ}\text{C}$ in relative humidity $\leq 80\%$. 2. When unloading floor kits by ≥ 72 hours.



| SOLDERABILITY | | | | |
|------------------|-------------------------|-----|-----|--------------------|
| parameter | conditions/description | min | typ | max units |
| reel storage | 5-25°C, 20-75% humidity | | | |
| reflow soldering | see reflow profile | 255 | 260 | $^{\circ}\text{C}$ |

Note: 1. CU Devices recommends usage of the product within 24 hours after 18H is opened. After 24 hours, CU Devices recommends drying the parts prior to use.

Affected Date Code: 6/15/2023

Product Availability: Channel Availability Q3

Additional Information:

PCN Approval:

Operations/Quality



Product Management

