



Product Change Notice (PCN)

Date: 11/18/2022

PCN Number: PCN-0454837R-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.

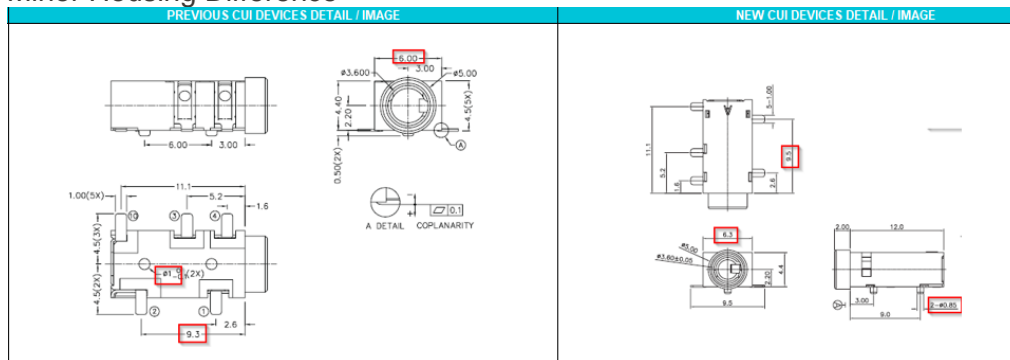
Product(s) Affected:

SJ2-35863B1-SMT-TR

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

Description of Change:

1. Minor Housing Difference



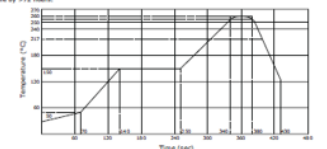
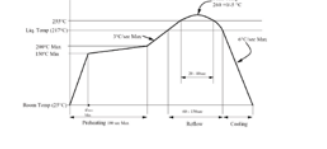
2. PCB Layout differs



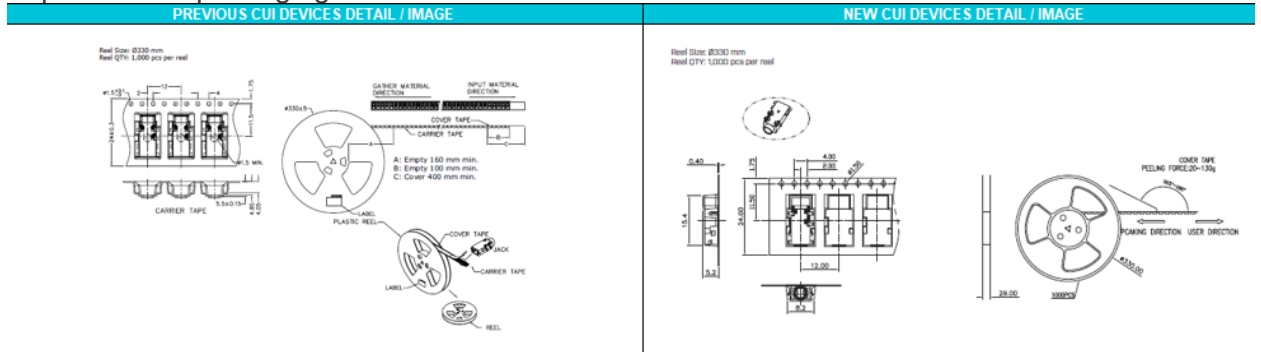
3. Housing material differs

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <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 4</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 4	copper alloy	silver	terminal 10	copper alloy	silver	plastic	PA10T		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> </tr> </thead> <tbody> <tr><td>terminal 1</td><td>C5210-EH t=0.20</td><td>gold flash over nickel</td></tr> <tr><td>terminal 2</td><td>C5210-EH t=0.20</td><td>gold flash over nickel</td></tr> <tr><td>terminal 3</td><td>C5210-EH t=0.20</td><td>gold flash over nickel</td></tr> <tr><td>terminal 4</td><td>C5210-EH t=0.20</td><td>gold flash over nickel</td></tr> <tr><td>terminal 10</td><td>C2680-EH t=0.20</td><td>gold flash over nickel</td></tr> <tr><td>housing</td><td>PA9T (UL94V-0)</td><td>black</td></tr> </tbody> </table>	DESCRIPTION	MATERIAL	PLATING/COLOR	terminal 1	C5210-EH t=0.20	gold flash over nickel	terminal 2	C5210-EH t=0.20	gold flash over nickel	terminal 3	C5210-EH t=0.20	gold flash over nickel	terminal 4	C5210-EH t=0.20	gold flash over nickel	terminal 10	C2680-EH t=0.20	gold flash over nickel	housing	PA9T (UL94V-0)	black
	MATERIAL	PLATING																																									
terminal 1	copper alloy	silver																																									
terminal 2	copper alloy	silver																																									
terminal 3	copper alloy	silver																																									
terminal 4	copper alloy	silver																																									
terminal 10	copper alloy	silver																																									
plastic	PA10T																																										
DESCRIPTION	MATERIAL	PLATING/COLOR																																									
terminal 1	C5210-EH t=0.20	gold flash over nickel																																									
terminal 2	C5210-EH t=0.20	gold flash over nickel																																									
terminal 3	C5210-EH t=0.20	gold flash over nickel																																									
terminal 4	C5210-EH t=0.20	gold flash over nickel																																									
terminal 10	C2680-EH t=0.20	gold flash over nickel																																									
housing	PA9T (UL94V-0)	black																																									

4. Reflow Soldering Difference

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE																																										
<p>SOLDERABILITY</p> <table border="1" style="width:100%; border-collapse: collapse;"> <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 <math>\le 60\%</math></td> <td></td> <td></td> <td>40</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>Notes: ¹ Must reflow solder within 72 hours from opening vacuum packaging at a temperature $\le 30^{\circ}\text{C}$ & relative humidity $\le 60\%$. ² When exceeding free life by >72 hours.</p> 	parameter	conditions/description	min	typ	max	units	refl storage	at relative humidity $\le 60\%$			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" style="width:100%; border-collapse: collapse;"> <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>$5-25^{\circ}\text{C}$, $30-75\%$ 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>Notes: ¹ CUI Devices recommends usage of the product within 30 hours after 120 is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.</p> 	parameter	conditions/description	min	typ	max	units	refl storage	$5-25^{\circ}\text{C}$, $30-75\%$ humidity					reflow soldering	see reflow profile	255	260		$^{\circ}\text{C}$
parameter	conditions/description	min	typ	max	units																																						
refl storage	at relative humidity $\le 60\%$			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																																						
refl storage	$5-25^{\circ}\text{C}$, $30-75\%$ humidity																																										
reflow soldering	see reflow profile	255	260		$^{\circ}\text{C}$																																						

5. Tape and reel packaging differs



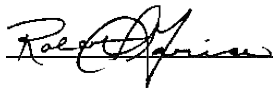
Affected Date Code: **11/15/2022**

Product Availability: **Channel availability mid Q4**

Additional Information:

PCN Approval:

Operations/Quality



Product Management



Nick Wolfe 11/16/2022