

# Product Change Notice (PCN)

**Date:** 12/20/2022

**PCN Number:** PCN-0450889R-01

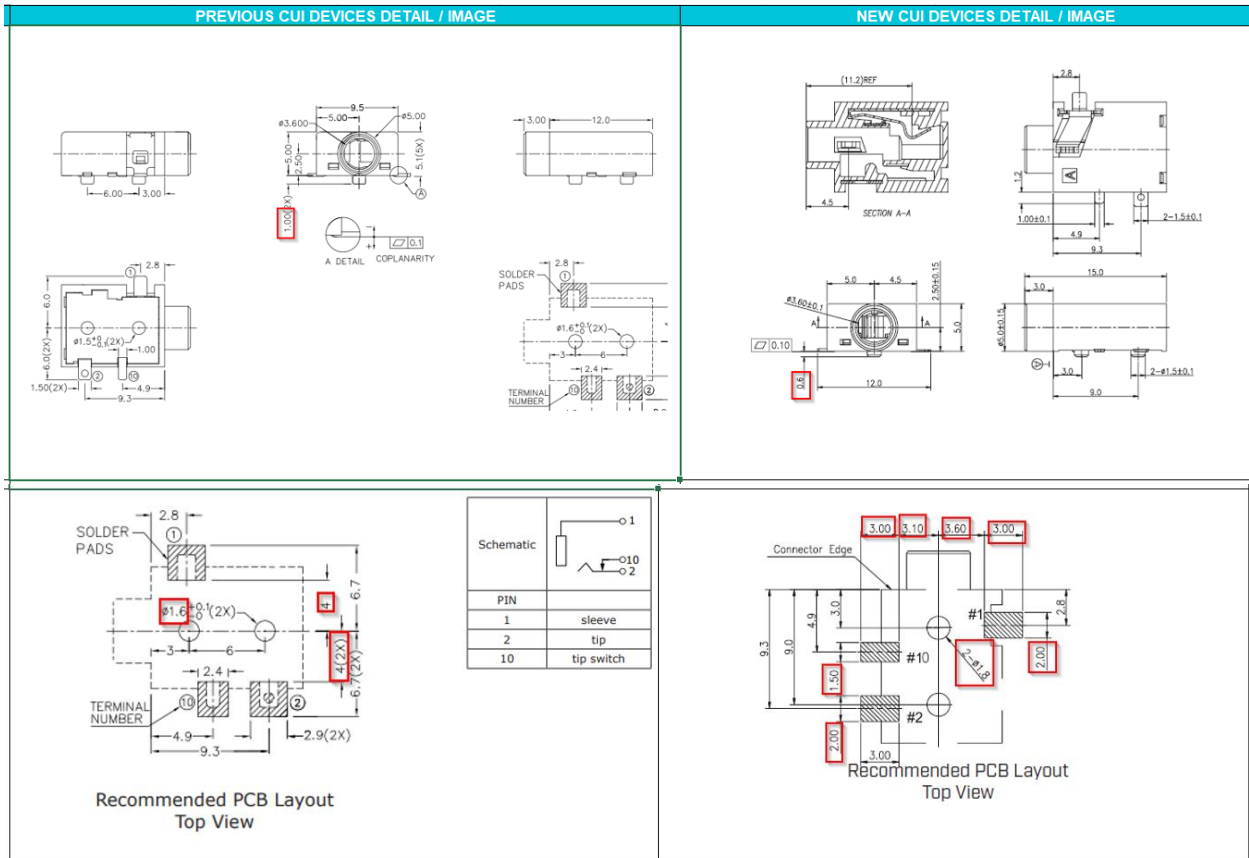
To Our Customers:

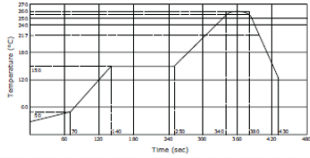
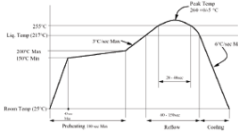
We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: MJ1-3510-SMT-TR

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

Description of Change: *Mechanical, material, soldering, and packaging changes as shown below:*



<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <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 10</td> <td>brass</td> <td>gold flash</td> </tr> <tr> <td>plastic</td> <td>PA10T</td> <td></td> </tr> </tbody> </table> <p><b>SOLDERABILITY</b></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>reel 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> </tbody> </table> <p><small>Note: 1. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature &lt;30°C &amp; relative humidity &lt;60%.</small></p> 		MATERIAL	PLATING	terminal 1	copper alloy	gold flash	terminal 2	copper alloy	gold flash	terminal 10	brass	gold flash	plastic	PA10T		parameter	conditions/description	min	typ	max	units	reel storage	at relative humidity <80%		40		%C	reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C	<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> </tr> </thead> <tbody> <tr> <td>terminal 1</td> <td>phosphor bronze t=0.30</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 2</td> <td>phosphor bronze t=0.20</td> <td>gold flash over nickel</td> </tr> <tr> <td>terminal 10</td> <td>brass 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> <p><b>SOLDERABILITY</b></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>reel storage</td> <td>5-40°C, 30-80% 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>265</td> <td>°C</td> </tr> </tbody> </table> <p><small>Note: 1. CU Devices recommends usage of the product within 24 hours after 150° is opened. After 24 hours, CU Devices recommends drying the parts prior to use.</small></p> 	DESCRIPTION	MATERIAL	PLATING/COLOR	terminal 1	phosphor bronze t=0.30	gold flash over nickel	terminal 2	phosphor bronze t=0.20	gold flash over nickel	terminal 10	brass t=0.20	gold flash over nickel	housing	PA9T (UL94V-0)	black	parameter	conditions/description	min	typ	max	units	reel storage	5-40°C, 30-80% humidity					reflow soldering	see reflow profile	255	260	265	°C
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Affected Date Code: **12/13/2022**

Product Availability: **Channel Availability mid Q4**

Additional Information:

PCN Approval:

Operations/Quality

*Rae O'Grady*

Product Management

*RH*