

## Product Change Notice (PCN)

Date: 05/24/2024

PCN Number: PCN-0456748R

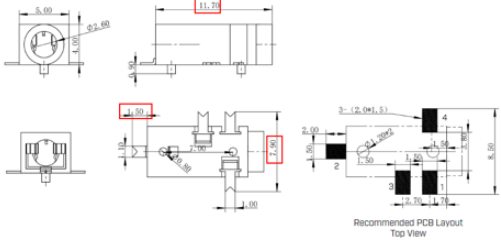
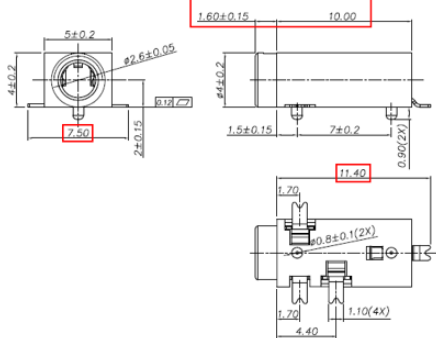
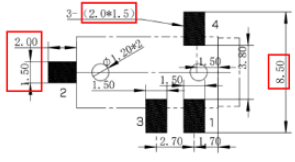
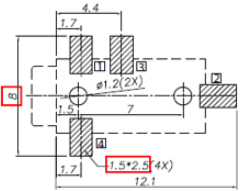
To Our Customers:

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: *SJ-2504A-SMT-TR*

Reason(s) for Change: *Manufacturing Improvement processes*

Description of Change: *New Factory Location. Product re-engineered for improved manufacturability and production yield. See image below for reference and check CUI Devices website for updated drawing. Cosmetic differences may be visible and not affect the form fit and function of the product.*

PREVIOUS CUI 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>

PREVIOUS CUI DETAIL / IMAGE			NEW CUI DEVICES DETAIL / IMAGE		
DESCRIPTION	MATERIAL	PLATING/COLOR	DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	phosphorus bronze	silver	terminal 1	copper alloy	silver
terminal 2	phosphorus bronze	silver	terminal 2	copper alloy	silver
terminal 3	phosphorus bronze	silver	terminal 3	copper alloy	silver
terminal 4	phosphorus bronze	silver	terminal 4	copper alloy	silver
housing	PPA (UL94V-0)	black	housing	PA10T (UL94V-0)	black

SPECIFICATIONS					
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current			1		A
contact resistance	between terminal and mating plug between terminal in a closed circuit		50	30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	1 minute		500		Vdc
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

PREVIOUS CUI DETAIL / IMAGE					NEW CUI DEVICES DETAIL / IMAGE						
<b>SOLDERABILITY</b>					<b>SOLDERABILITY</b>						
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
reflow storage	10-30°C, <70% humidity				°C	reflow storage	5-35°C, <70% humidity				°C
reflow soldering	see reflow profile	255	280		°C	reflow soldering	see reflow profile			250	°C
drying conditions <sup>1</sup>	parts in reel: bake at 110°C for 4 hours parts removed from reel: bake at 110°C for 4 hours					drying conditions	bake at 120°C for 4 hours				
<p>Note: 1. CUI Devices recommends to solder within 70 hours from opening vacuum packaging at a temperature &gt;90°C @ relative humidity &lt;65%. 2. When assembling Reel 50 by 5000 units.</p>											
<b>PACKAGING</b>					<b>PACKAGING</b>						
<p>units: mm Reel Size: Ø200 mm Reel Qty: 1,000 pcs per reel</p>					<p>units: mm Reel Size: Ø200 mm Reel Qty: 1,000 pcs per reel</p>						



Affected Date Code: All orders placed after **05/15/2024**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

A handwritten signature in black ink, appearing to read "Rose Adams", is written over a horizontal line.

Product Management

A handwritten signature in black ink is written over a horizontal line. The signature is partially obscured by a light gray rectangular box.