

# Product Change Notice (PCN)

**Date:** 5/3/2024

**PCN Number:** PCN-0456167R-01

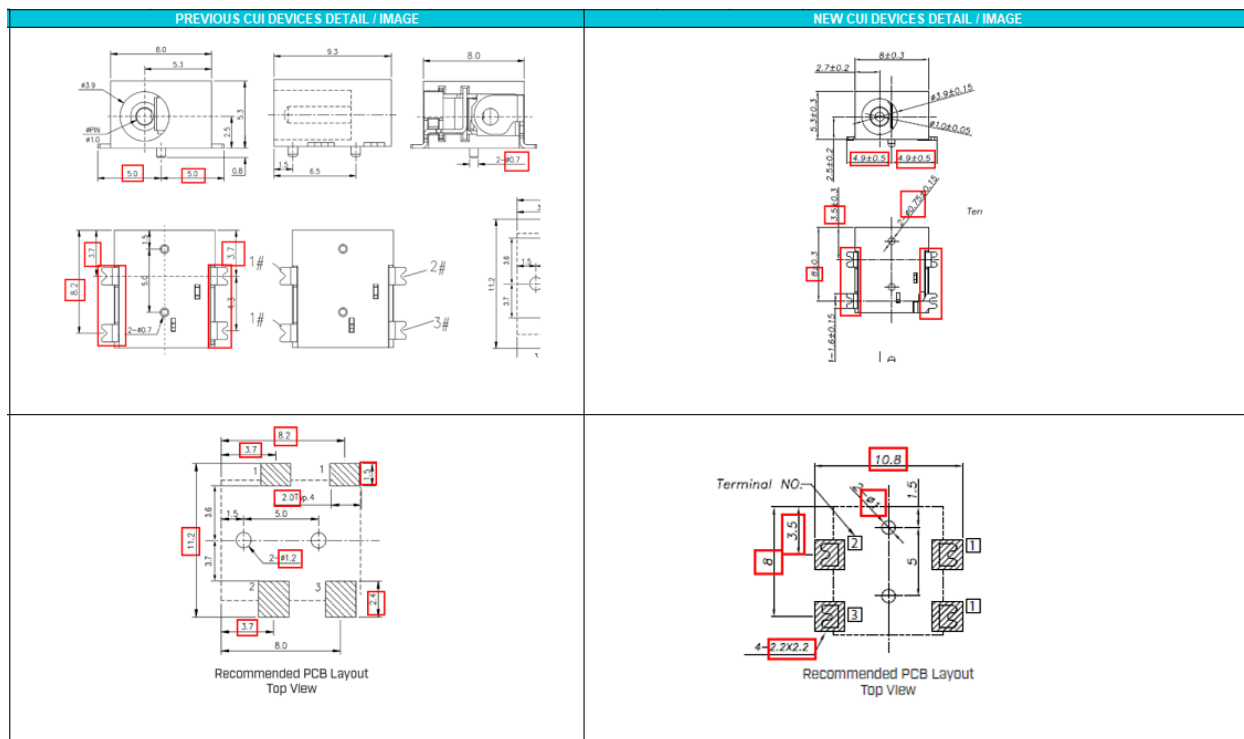
To Our Customers:

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-014CH-SMT-TR*

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

Description of Change: *Product re-engineered for improved manufacturability and production yield. See image below for product changes. Cosmetic differences may be visible and not affect the form fit and function of the product. Please refer to updated drawing on the website for the updated specifications.*



PREVIOUS CUI DEVICES DETAIL / IMAGE			NEW CUI DEVICES DETAIL / IMAGE		
DESCRIPTION	MATERIAL	PLATING/COLOR	DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	silver	center pin	brass	CuSn
terminal 1	brass t=0.50	silver	terminal 1	brass t=0.30	silver
terminal 2	bronze t=0.25	silver	terminal 2	phosphor bronze t=0.30	silver
terminal 3	brass t=0.50	silver	terminal 3	brass t=0.30	silver
housing	PA10T (UL94V-0)	black	housing	PA10T (UL94V-0)	black

<p><b>MATING PLUG</b> Jack Insertion Depth: <b>5.9 mm</b></p>	<p><b>MATING PLUG</b> Jack Insertion Depth: <b>5.1 mm</b></p>
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PREVIOUS CUI DEVICES DETAIL / IMAGE					NEW CUI DEVICES DETAIL / IMAGE						
<b>SPECIFICATIONS</b>					<b>SPECIFICATIONS</b>						
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc	rated input voltage			24		Vdc
rated input current			3.5		A	rated input current			3.5		A
contact resistance			30		mΩ	contact resistance			30		mΩ
insulation resistance	at 500 Vdc	100			MΩ	insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac	voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3	2		kg	insertion/withdrawal force		0.3	3		kg
operating temperature		-25		85	°C	operating temperature		-25		80	°C
life			5,000		cycles	life			5,000		cycles
flammability rating	UL94V-0					flammability rating	UL94V-0				
RoHS	yes					RoHS	yes				

<b>SOLDERABILITY</b>					<b>SOLDERABILITY</b>						
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
reel storage	10-30°C, <70% humidity				°C	reel storage	0-30°C, 70% humidity				°C
reflow soldering	see reflow profile	250	250		°C	reflow soldering	see reflow profile			250	°C
drying conditions	parts in reel bake at 100°C for 4 hours parts removed from reel bake at 10°C for 4 hours					drying conditions	bake at 100°C for 4 hours				

Notes:  
1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <math>30^{\circ}\text{C}</math> relative humidity <math>40\%</math>.  
2. When exceeding flow life by 1500 hours.

Notes:  
• Temperature measurement point: resin surface

<b>PACKAGING</b>		<b>PACKAGING</b>	
units: mm	Reel Size: 8000 mm	units: mm	Reel Size: 8000 mm
	Reel QTY: 7000 pcs per reel		Reel QTY: 5000 pcs per reel

NOTE:  
1. CARRIER TAPE PACKING LENGTH: TRAILER CONNECTORS LEADER(START) SEE DIMENSIONS  
2. REELING FORCE: 0.2N~1.5N (20g~150g)



Affected Date Code: All orders placed after **04/18/2024**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

A handwritten signature in black ink, appearing to be "John Hill", is written over a horizontal line.

Product Management

A handwritten signature in black ink, appearing to be "John Hill", is written over a horizontal line.