



## Product Change Notice (PCN)

Date: **10/3/2023**

PCN Number: **PCN-0450900R-01**

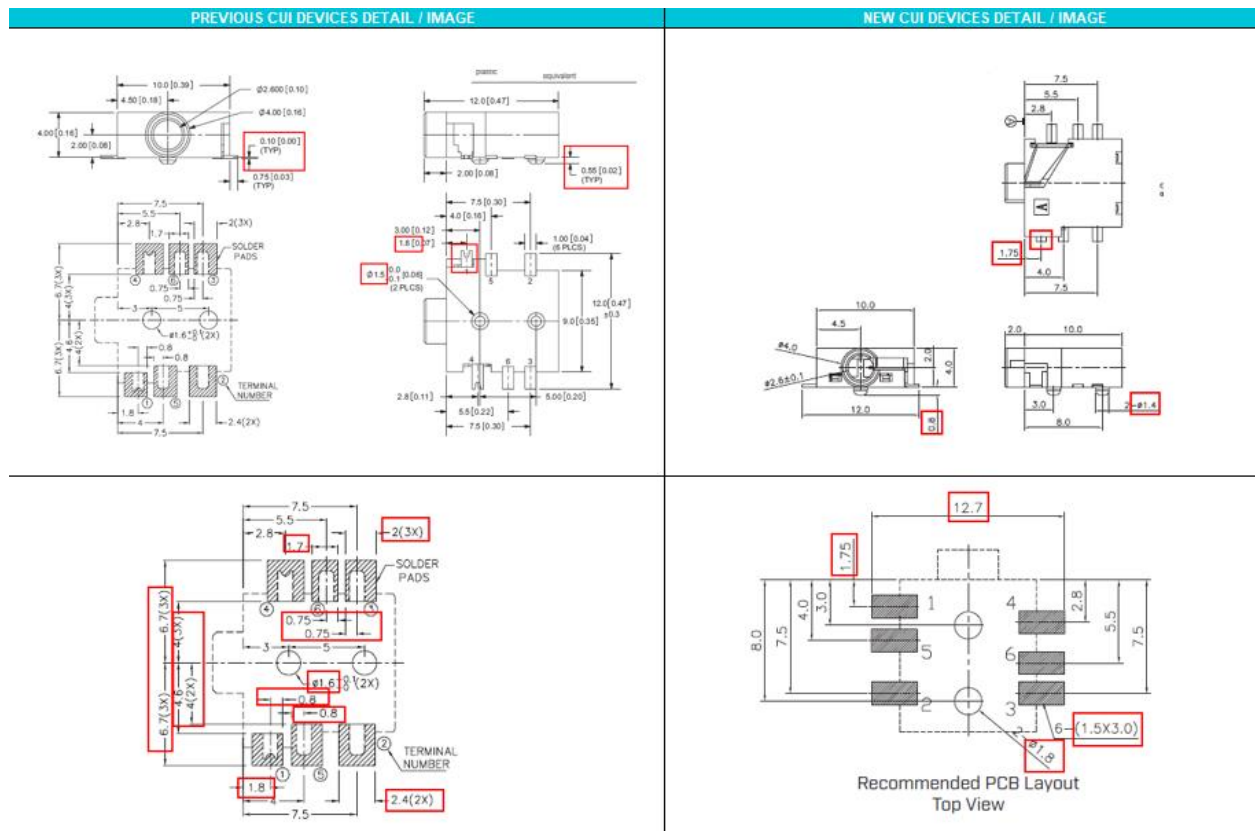
To Our Customers:

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: **SJ1-42516-SMT-TR**

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

Description of Change: *Minor Layout and Material Difference. See image Below*



F-723-001

Revision: A

PREVIOUS CUI DEVICES DETAIL / IMAGE				NEW CUI DEVICES DETAIL / IMAGE			
	MATERIAL	PLATING		DESCRIPTION	MATERIAL	PLATING/COLOR	
terminal 1	copper alloy	gold		terminal 1	C5191 t-0.25	gold flash	
terminal 2	copper alloy	gold		terminal 2	C5191 t-0.20	gold flash	
terminal 3	copper alloy	gold		terminal 3	C5191 t-0.20	gold flash	
terminal 4	copper alloy	gold		terminal 4	C5191 t-0.30	gold flash	
terminal 5	brass	gold		terminal 5	C2680 t-0.30	gold flash	
terminal 6	brass	gold		terminal 6	C2680 t-0.30	gold flash	
plastic	PA6T or equivalent			housing	PA9T (UL94V-0)	black	

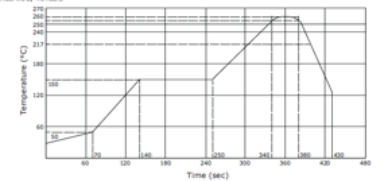
SPECIFICATIONS				SPECIFICATIONS							
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc	rated input voltage			12		Vdc
rated input current				1	A	rated input current				1	A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50	mΩ	contact resistance	between terminal and mating plug between terminal in a closed circuit			100	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		3	kg	insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C	operating temperature		-25		85	°C
life	at a rate of 24 cycles/minute			5,000	cycles	life				5,000	cycles
flammability rating	UL94V-0					flammability rating	UL94V-0				
RoHS	yes					RoHS	yes				

SOLDERABILITY				SOLDERABILITY							
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <math>\leq 92\%</math>			40	°C	reel storage	5-25°C, 20-75% humidity				
reflow soldering	see reflow profile	255	260	265	°C	reflow soldering	see reflow profile	255	260		°C
drying conditions <sup>1</sup>	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										

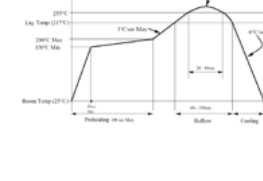
Note:

1. Must reflow solder within 10 hours from opening vacuum packaging at a temperature <math>\leq 30^{\circ}\text{C}</math> @ relative humidity <math>\leq 65\%</math>.
2. when exceeding four days by 10 hours.



Note:

1. CUI Devices recommends storage of the product within 24 hours after TRM is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.



Affected Date Code: **09/27/2023**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality



Product Management

