

## Product Change Notice (PCN)

**Date:** 05/12/2023

**PCN Number:** PCN-0450221R-01

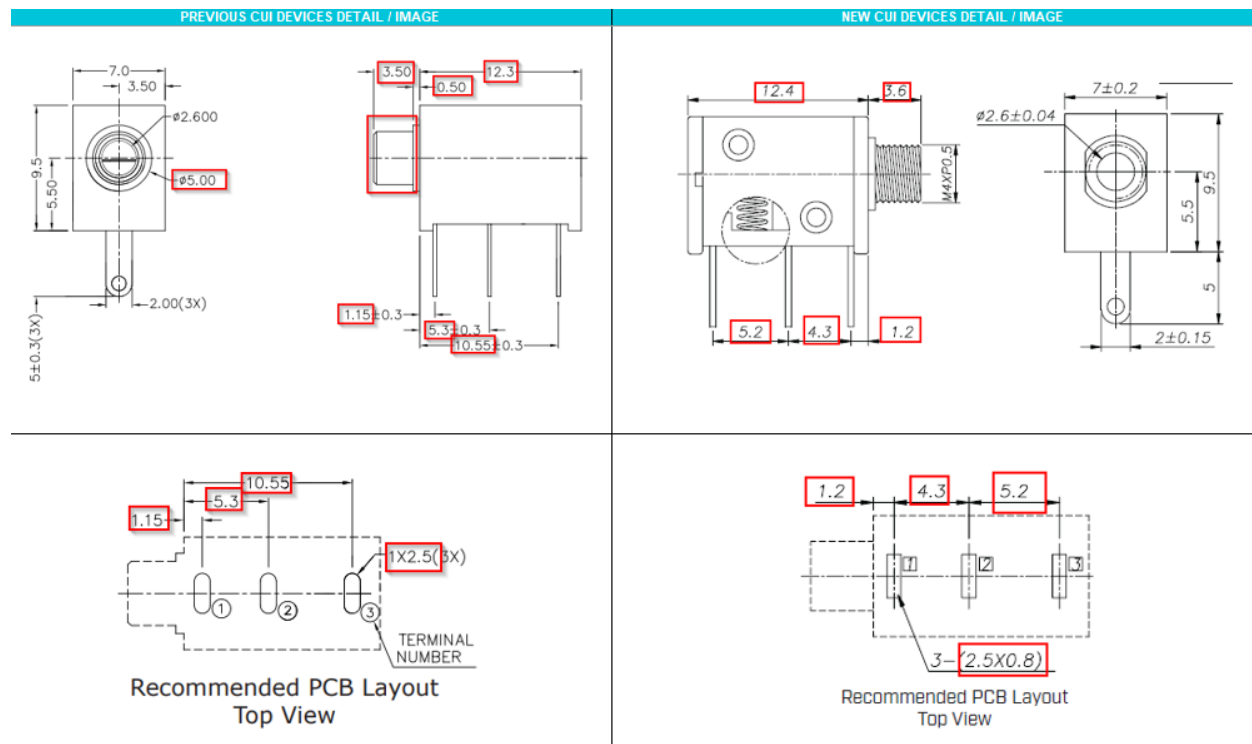
To Our Customers:

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: *MJ-2502*

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

Description of Change: *Minor Housing and footprint differences. Material Change on the housing and terminals. See image Below*





PREVIOUS CUI DEVICES DETAIL / IMAGE			NEW CUI DEVICES DETAIL / IMAGE		
	MATERIAL	PLATING	DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass	tin	terminal 1	brass	tin
terminal 2	copper alloy	tin	terminal 2	phosphor bronze	tin
terminal 3	brass	tin	terminal 3	brass	tin
bushing	brass	nickel	bushing	brass	nickel
plastic	PBT		housing	PBT (UL94V-0)	black
			nut	brass	nickel

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			12		Vdc	rated input voltage			15		Vdc
rated input current				1	A	rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50	mΩ	contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ	insulation resistance	at 250 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac	voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg	insertion/withdrawal force		0.3		2.5	kg
operating temperature		-25		85	°C	operating temperature		-25		85	°C
life				5,000	cycles	life				5,000	cycles
RoHS	yes					flammability rating	UL94V-0				
						RoHS	yes				

<b>SOLDERABILITY</b>					
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	235	260	265	°C

<b>SOLDERABILITY</b>					
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 4-8 seconds		250		°C

Affected Date Code: 05/12/2023  
 Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

Product Management