

## Product Change Notice (PCN)

Date: **3/30/2023**

PCN Number: **PCN-0450976R-01**

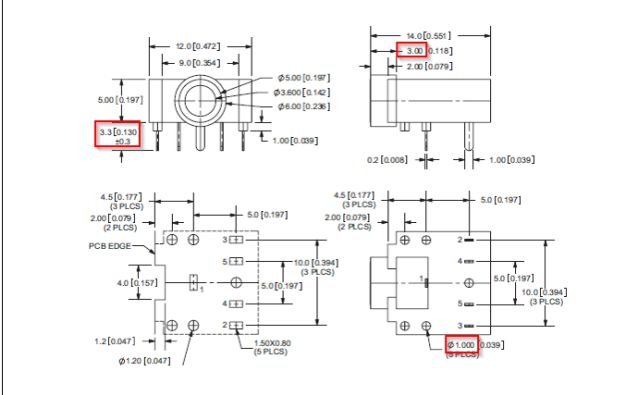
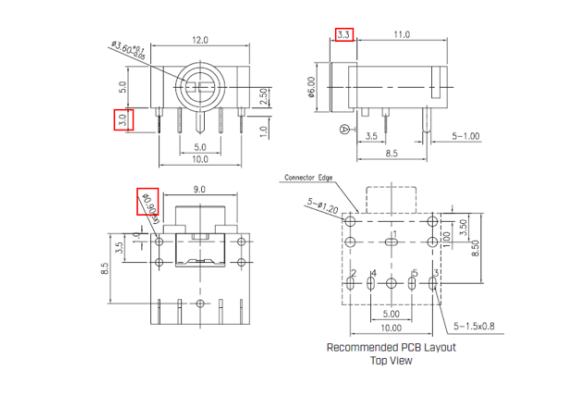
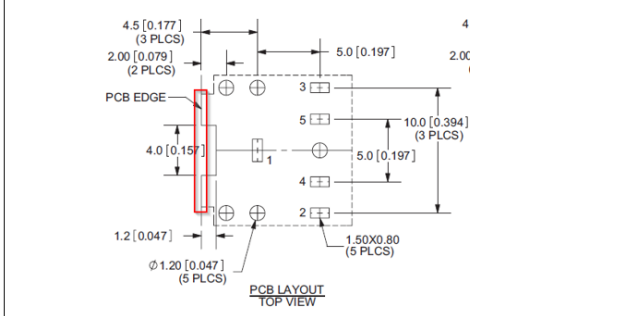
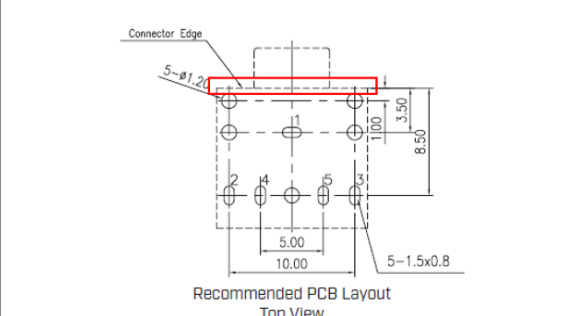
To Our Customers:

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: SJ1-3523NG, SJ1-3524NG, SJ1-3525NG, SJ1-3525NG-GR, SJ1-3525NG-PI

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

Description of Change: mechanical, electrical, and material differences as shown below:

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE
 <p>Previous CUI Devices Detail / Image showing mechanical and PCB layout views. Dimensions include 12.0 [0.472], 9.0 [0.354], 5.00 [0.197], 3.3 [0.130] (highlighted), 1.00 [0.039], 14.0 [0.551], 3.00 [0.118], 2.00 [0.079], 0.2 [0.008], 1.00 [0.039], 4.5 [0.177] (3 PLCS), 2.00 [0.079] (2 PLCS), 5.0 [0.197], 10.0 [0.394] (3 PLCS), 4.0 [0.157], 5.0 [0.197], 1.2 [0.047], 1.50X0.80 (5 PLCS), 1.00 [0.039] (5 PLCS).</p>	 <p>New CUI Devices Detail / Image showing mechanical and PCB layout views. Dimensions include 12.0, 11.0, 3.3 (highlighted), 86.00, 5.0, 1.0, 2.50, 5.0, 10.0, 3.5, 8.5, 5-1.00, 9.0, 8.5, 5-1.20 (highlighted), 5-1.5x0.8, 10.00, 5-1.5x0.8. Callouts include Connector Edge and Recommended PCB Layout Top View.</p>
 <p>Previous PCB Layout Top View showing dimensions and callouts. Dimensions include 4.5 [0.177] (3 PLCS), 2.00 [0.079] (2 PLCS), 5.0 [0.197], 2.00, 4.0 [0.157], 1.2 [0.047], 1.50X0.80 (5 PLCS), 1.00 [0.039] (5 PLCS). Callouts include PCB EDGE and PCB LAYOUT TOP VIEW.</p>	 <p>New Recommended PCB Layout Top View showing dimensions and callouts. Dimensions include 5-1.20 (highlighted), 3.50, 8.50, 1.00, 5.00, 10.00, 5-1.5x0.8. Callouts include Connector Edge and Recommended PCB Layout Top View.</p>

	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	brass	silver
terminal 5	brass	silver
bushing	brass	nickel
plastic	PBT	

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	copper alloy t=0.20	silver over nickel
terminal 2	stainless steel t=0.20	silver over nickel
terminal 3	stainless steel t=0.20	silver over nickel
terminal 4	brass t=0.40	silver over nickel
terminal 5	brass t=0.40	silver over nickel
bushing	brass	nickel
housing	PBT (UL94V-0)	see color options

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	mΩ
insulation resistance	at 500 Vdc	100		50	MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-35		85	°C
life			5,000		cycles
RoHS	yes				

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			100	mΩ
insulation resistance	at 500 Vdc	100		50	MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

Affected Date Code: **3/30/23**

Product Availability: **Channel Availability Q2**

Additional Information:

PCN Approval:

Operations/Quality



Product Management

