

Product Change Notice (PCN)

Date: 07/30/2024

PCN Number: PCN-0450927R-01

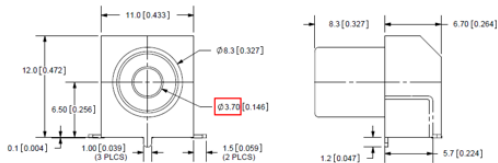
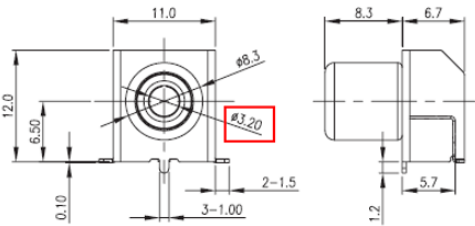
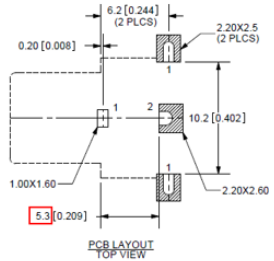
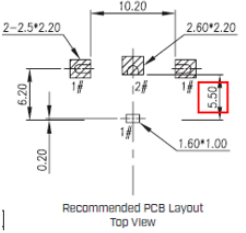
To Our Customers:

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: RCJ-01X-SMT-TR series. RCJ-011-SMT-TR, RCJ-013-SMT-TR & RCJ-014-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 but will not affect the form fit and function of the product.*

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE
	
 <p>PCB LAYOUT TOP VIEW</p>	 <p>Recommended PCB Layout Top View</p>

F-723-001

Revision: A

PREVIOUS CUI DEVICE'S DETAIL / IMAGE

	MATERIAL	PLATING
SHELL	Brass	Tin
BRACKET	C.R. Steel	Tin
CENTER CONTACT	Brass	Tin
INSULATOR	PA66	

NEW CUI DEVICE'S DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
shell	brass	tin
bracket	SPCC	tin
center contact	brass	tin
insulator	PA10T (UL94V-0)	black
washer	PA10T (UL94V-0)	see part number key

SPECIFICATIONS:

CONTACT RESISTANCE: 25m OHMS MAX

INSULATION RESISTANCE: 100M OHMS MIN: 500V DC

VOLTAGE WITHSTAND: 500V AC R.M.S. FOR 1 MINUTE

LIFE: 5,000 CYCLES

OPFRATING TFMP: -25~85C

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage			12		Vdc
rated current				1	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	with mating plug			3.5	kgf
withdrawal force	with mating plug	0.8			kgf
operating temperature		-25		85	°C
life				5,000	cycles
flammability rating	UL94V-0				
RoHS	yes				

PREVIOUS CUI DEVICE'S DETAIL / IMAGE

NEW CUI DEVICE'S DETAIL / IMAGE

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
real storage	-5~35°C, 25~80% humidity real opened use within 1 month real unopened use within 6 months				
reflow soldering	see reflow profile	260	265	270	°C

Note: 1. CUI Devices recommends usage of the product within 2 hours after 100% in opened. After 6 hours, CUI Devices recommends drying the parts prior to use.

Reflow soldering temperature profile graph showing temperature (T°C) vs time (Tsec). The profile includes preheat (150°C, 30-60 sec), soak (180°C, 30-180 sec), peak (265°C, 20-40 sec), and cooling phases. Key points include 150°C MIN, 180°C MIN, 210°C MIN, 265°C MAX, and 270°C MAX.

PACKAGING

units: mm

Reel Size: Ø380 mm
Reel QTY: 250 pcs per reel



Affected Date Code: All orders placed after **1/30/24**

PCN Approval:

Operations/Quality

A handwritten signature in black ink, appearing to read "Robert D. Garcia", is written over a horizontal line.

Product Management

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