



Product Change Notice (PCN)

Date: **08/02/2024**

PCN Number: **PCN-0456232R-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: **SJ2-2577X-SMT series. SJ2-25773B-SMT-TR, SJ2-25774A-SMT-TR & SJ2-25774B-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 DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass	silver
terminal 2	brass	silver
terminal 3	brass	silver
terminal 4	brass	silver
terminal 10	brass	silver
housing	PA10T (UL94V-0)	black

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 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life				10,000	cycles
flammability rating	UL94V-0				
RoHS	yes				

NEW CUI DEVICES DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	C5210R-SH t=0.25	silver over nickel
terminal 2	C5210R-SH t=0.25	silver over nickel
terminal 3	C5210R-SH t=0.20	silver over nickel
terminal 4	C5210R-SH t=0.20	silver over nickel
terminal 10	C2680-EH t=0.25	silver over nickel
housing	PA10T (UL94V-0)	black

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 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.6		3	kg
operating temperature		-25		85	°C
life				5,000	cycles
flammability rating	UL94V-0				
RoHS	yes				

F-723-001

Revision: A

PREVIOUS CUI DETAIL / IMAGE

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	10-30°C, <70% humidity				°C
reflow soldering	see reflow profile	250	260		°C
drying conditions ¹	parts in reel bake at 120°C for 4 hours parts removed from reel: bake at 120°C for 4 hours			280	°C

Note:
1. CUI Devices recommends to solder within 70 hours from opening vacuum packaging at a temperature <100°C relative humidity <60%.
2. When exceeding from life by >100 hours.

* Time 25°C to Peak Temp. --- 8 Minutes Max.
* Time within 2°C of Actual Peak Temp. --- 30-40 Seconds

PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1300 pcs per reel

NEW CUI DEVICE'S DETAIL / IMAGE

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	5-30°C, <70% humidity				°C
reflow soldering	see reflow profile			280	°C
drying conditions	bake at 120°C for 4 hours				

PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1300 pcs per reel

Affected Date Code: All orders placed after **10/01/2024** will be in accordance with the PCN. All order placed before this date will be in accordance with the current published datasheet.

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

Robert D. Davis

Product Management

[Signature]