



## Product Change Notice (PCN)

**Date:** 01/30/2023

**PCN Number:** PCN-0454806R-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: *SJ2-25404D-SMT-TR & SJ2-25404B-SMT-TR*

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**

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current			1		A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	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	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

**NEW CUI DEVICES DETAIL / IMAGE**

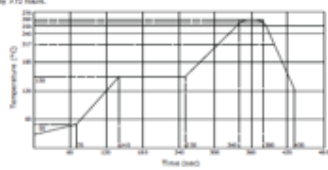
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current			1		A
contact resistance <sup>1</sup>				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-40		85	°C
storage temperature		-30		50	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reflow storage	at relative humidity < 80%			40	°C
reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>2</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				

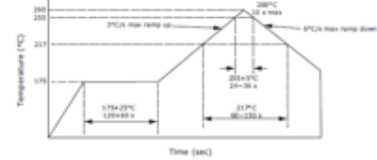
Note: 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature < 30°C & relative humidity < 60%.  
4. When exceeding their life by > 72 hours.



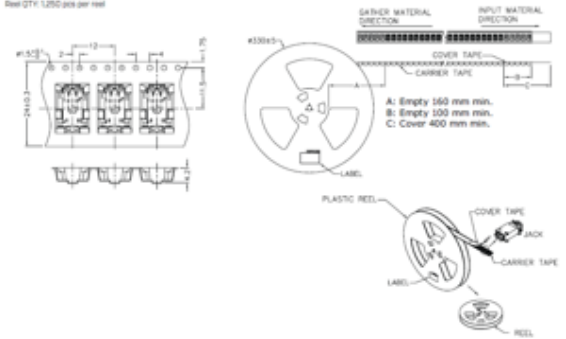
**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reflow storage	reel opened & unused parts repacked within 2 hours; (30°C, 60% humidity) reel unopened, 1 year shelf life (30°C, 60% humidity)				
reflow soldering <sup>1</sup>	see reflow profile			280	°C
drying conditions <sup>2</sup>	parts removed from reel over 6 hours: bake at 40°C for 6 hours				

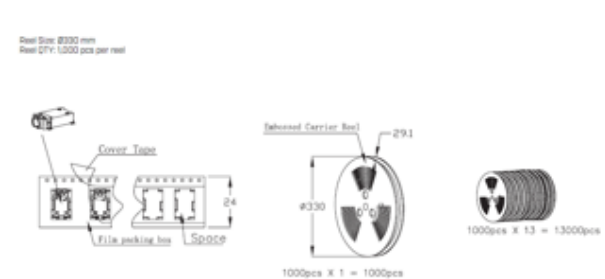
Note: 1. CUI Devices recommends usage of the product within 2 hours after 168 is opened. After 6 hours, CUI Devices recommends drying the part prior to use.



Reel Size Ø330 mm  
Reel QTY: 1,250 pcs per reel



Reel Size Ø330 mm  
Reel QTY: 1,000 pcs per reel





Affected Date Code: *01/24/2023*

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

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

Product Management

A handwritten signature in black ink, written over a horizontal line. The signature is partially obscured by a light grey rectangular box.