



## Product Change Notice (PCN)

**Date:** 10/20/2023

**PCN Number:** PCN-0454909R-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: PJ-083H, PJ-083AH, PJ-083BH

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

Description of Change: *Reel Quantity and Material Change*

PREVIOUS CUI DEVICES DETAIL / IMAGE					PREVIOUS CUI DEVICES DETAIL / IMAGE						
	MATERIAL		PLATING		DESCRIPTION	MATERIAL		PLATING/COLOR			
center pin	copper		nickel		center pin	copper		nickel			
terminal 1	brass		silver		terminal 1	brass		silver			
terminal 2	copper alloy		silver		terminal 2	brass		silver			
terminal 3	brass		silver		terminal 3	brass		silver			
shield A	brass		nickel		shield A	brass		nickel			
shield B	stainless steel				shield B	stainless steel					
insulator	PA10T				insulator	PA10T (UL94V-0)					
<b>SPECIFICATIONS</b>					<b>SPECIFICATIONS</b>						
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc	rated input voltage			24		Vdc
rated input current				5.0	A	rated input current				5.0	A
contact resistance	between terminal and mating plug			50	mΩ	contact resistance	between terminal and mating plug			50	mΩ
insulation resistance	at 500 Vdc between adjacent contacts			30	MΩ	insulation resistance	at 500 Vdc between adjacent contacts			30	MΩ
voltage withstand	for 1 minute, 0.5 mA between adjacent contacts			100	Vdc	voltage withstand	for 1 minute			500	Vdc
insertion/withdrawal force		0.3		3	kg	insertion/withdrawal force		0.5		2	kg
operating temperature		-25		85	°C	operating temperature		-25		85	°C
life	at a rate of 24 cycles/minute		5,000		cycles	life	at a rate of 10-20 cycles		5,000		cycles
flammability rating	UL94V-0					flammability rating	UL94V-0				
RoHS	yes					RoHS	yes				

F-723-001

Revision: A

**PREVIOUS CUI DEVICES DETAIL / IMAGE**

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds at	255	260	265	°C
reflow soldering	at relative humidity <30%			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:

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

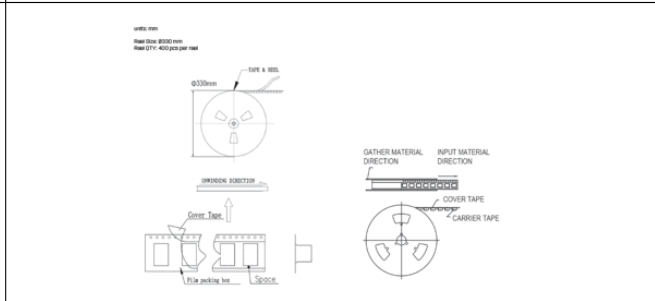
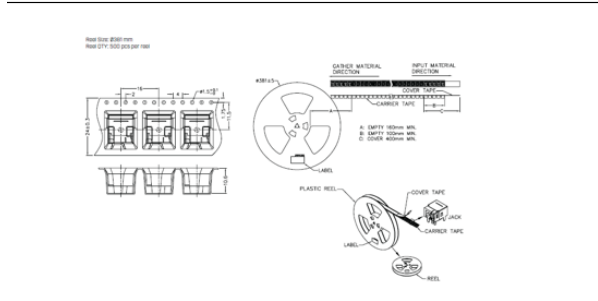
**PREVIOUS CUI DEVICES DETAIL / IMAGE**

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	10-30°C, <70% humidity				°C
reflow soldering <sup>1</sup>	see reflow profile	255	260		°C
drying conditions <sup>2</sup>	parts in reel: bake at 110°C for 4 hours parts removed from reel: bake at 110°C for 4 hours				

Note:

- CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
- When exceeding floor life by >60 hours.



Affected Date Code: **10/16/2023**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

Product Management