



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)		

SPECIFICATIONS				
parameter	conditions/description	min	typ	max units
rated input voltage			24	Vdc
rated input current			5.0	A
contact resistance	between terminal and mating plug between terminal in a closed circuit		50 30	mΩ
insulation resistance	at 500 Vdc between adjacent contacts	100		MΩ
voltage withstand	for 1 minute, 0.5 mA between adjacent contacts		500	Vdc
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			

SPECIFICATIONS				
parameter	conditions/description	min	typ	max units
rated input voltage			24	Vdc
rated input current			5.0	A
contact resistance	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	Vdc
insertion/withdrawal force		0.5	2	kg
operating temperature		-25	85	°C
life	at a rate of 10-20 cycles		5,000	cycles
flammability rating	UL94V-0			
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 <90%			40	°C
reflow soldering ¹	see reflow profile	255	260	265	°C
drying conditions ²	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.

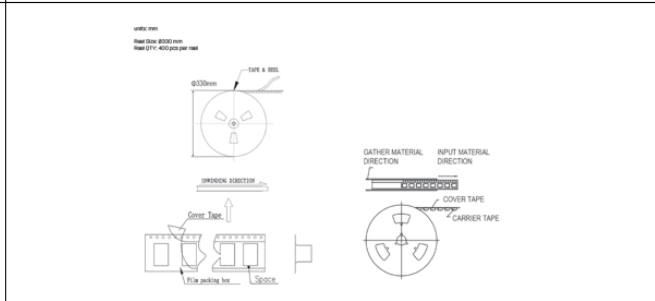
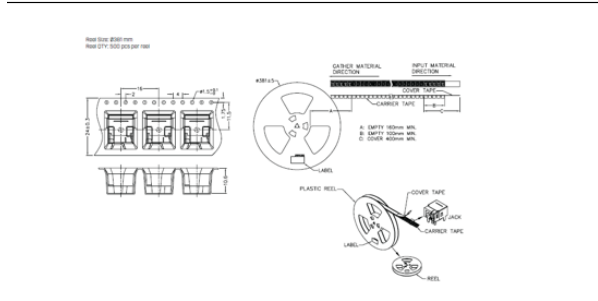
PREVIOUS CUI DEVICES DETAIL / IMAGE

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	10-30°C, <70% humidity				°C
reflow soldering ¹	see reflow profile	255	260		°C
drying conditions ²	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