



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

	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
shield A	brass	nickel
shield B	stainless steel	
insulator	PA10T	

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		50		mΩ
	between terminal in a closed circuit		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				

PREVIOUS CUI DEVICES DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	brass	silver
terminal 3	brass	silver
shield A	brass	nickel
shield B	stainless steel	
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		50		mΩ
	between terminal in a closed circuit		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

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SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds at	255	260	265	°C
ref storage	at relative humidity <80%			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 >120 hours.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
ref 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 >120 hours.

* Time 255°C to Peak Temp. ----- 8 Minutes Max.
* Time within 5°C of Actual Peak Temp. --- 30-45 Seconds

Reel Size Ø300 mm
Reel PTV: 400 pins per reel

Reel Size Ø300 mm
Reel PTV: 400 pins per reel

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

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality



Product Management

