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 between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc between adjacent contacts	100			MΩ
voltage withstand	for 1 minute, 0.5 mA between adjacent contacts			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				

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 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		0.5		2	kg
operating temperature		-25		85	°C
life	at a rate of 10-20 cycles		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

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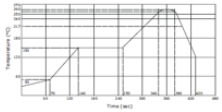
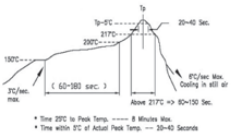
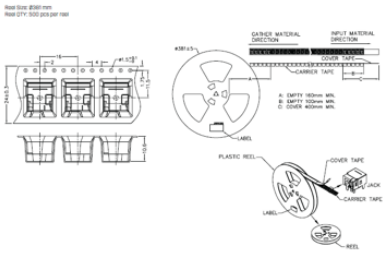
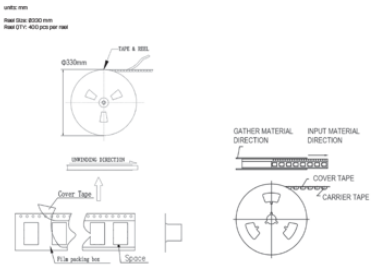
PREVIOUS CUI DEVICES DETAIL / IMAGE	PREVIOUS CUI DEVICES DETAIL / IMAGE
SOLDERABILITY parameter | conditions/description | min | typ | max | units wave soldering | dipped in solder pot for 5 ±0.5 seconds at | 255 | 260 | 265 | °C reel storage | at relative humidity <80% | | | 40 | °C reflow soldering[3] | see reflow profile | 255 | 260 | 265 | °C drying conditions[4] | 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 floor life by >72 hours. 	**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: 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. 2. When exceeding floor life by >240 hours. 
	

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

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

Product Management

F-723-001 Revision: A