

## Product Change Notice (PCN)

**Date:** 3/16/2023

**PCN Number:** PCN-0451074R-01

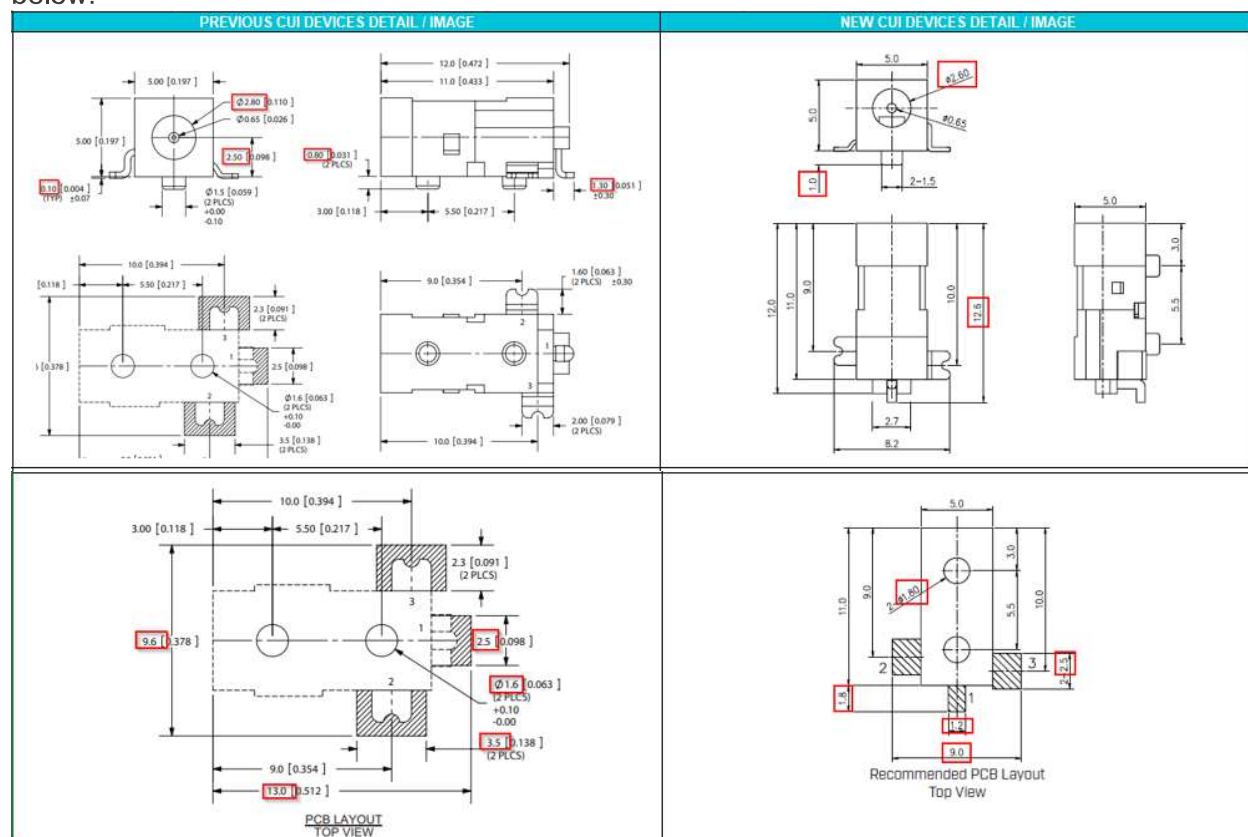
To Our Customers:

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-031H-SMT-TR

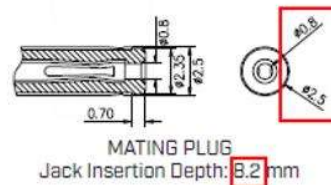
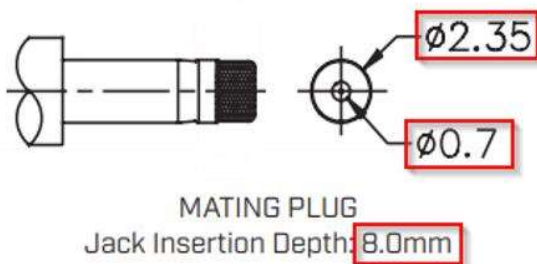
Reason(s) for Change: *Manufacturing process improvements*

Description of Change: mechanical, material, packaging, and soldering differences as shown below:



	MATERIAL	PLATING
center pin	brass	silver
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PA6T or equivalent	

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper alloy	silver
terminal 1	copper alloy t=0.30	silver
terminal 2	copper alloy t=0.25	silver
terminal 3	copper alloy t=0.25	silver
housing	PA10T (UL94V-0)	black



#### SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current			2.5		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		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				

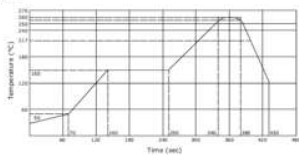
#### SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current			2.5		A
contact resistance			50		mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute		500		Vdc
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

#### SOLDERABILITY

parameter	conditions/description	min	typ	max	units
refl storage	at relative humidity < 60%		40		°C
reflow soldering <sup>2</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>3</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 30 hours				

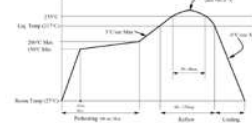
Note: 1. 1000 cycles minimum unless specified. The product enters 24 hours after T&E is opened. After 24 hours, 1000 cycles minimum during the package life test.  
2. Heat reflow solder within 12 hours from opening vacuum packaging at a temperature < 10°C & relative humidity < 60%.  
3. when exceeding floor life by > 12 hours.

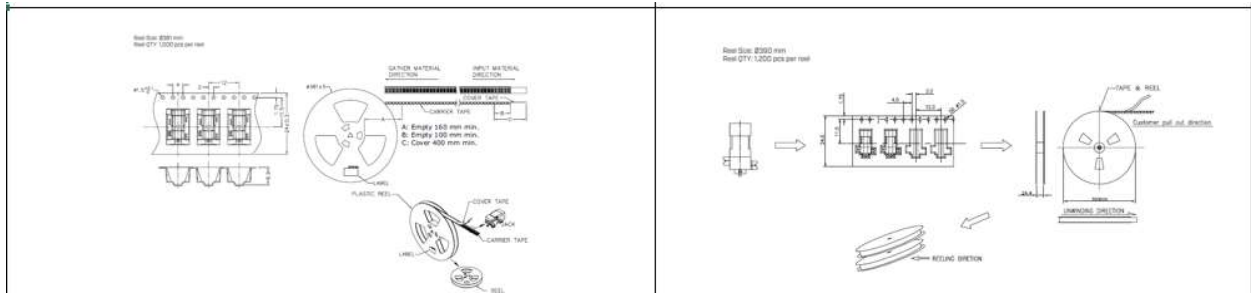


#### SOLDERABILITY

parameter	conditions/description	min	typ	max	units
refl storage	540°C, 60% humidity				
reflow soldering	see reflow profile	255	260		°C

Note: 1. 1000 cycles minimum unless specified. The product enters 24 hours after T&E is opened. After 24 hours, 1000 cycles minimum during the package life test.





Affected Date Code: *2/23/23*

Product Availability: *Channel Availability Q2*

Additional Information:

PCN Approval:

Operations/Quality



Product Management

