

**MODEL:** PJ-072C-SMT-TR | **DESCRIPTION:** DC POWER JACK**FEATURES**

- shielded
- low profile
- surface mount

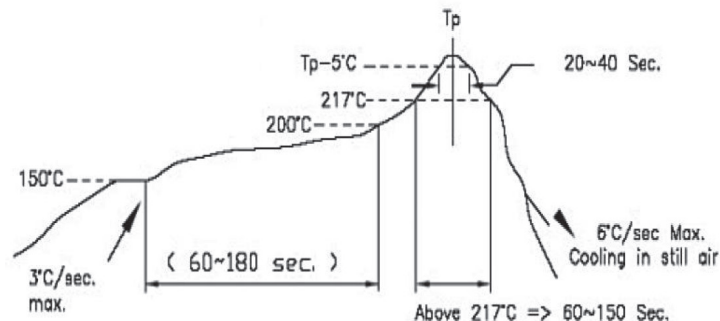
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.0	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		0.3		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
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: 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.

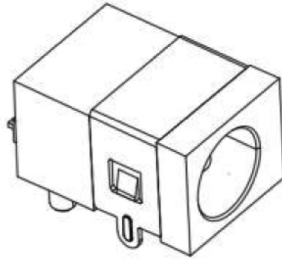


\* Time 25°C to Peak Temp. ---- 8 Minutes Max.

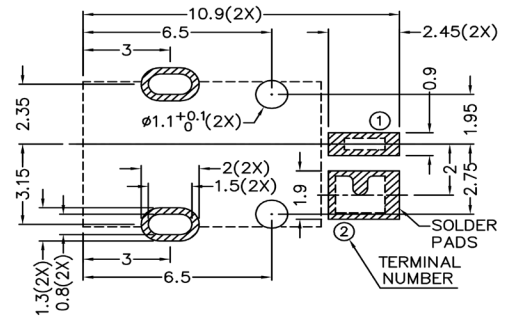
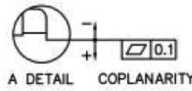
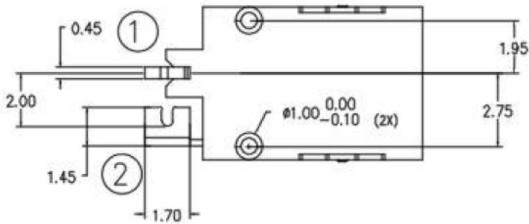
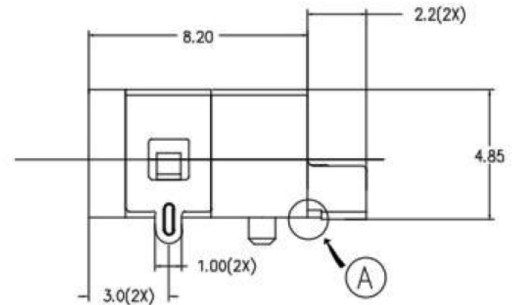
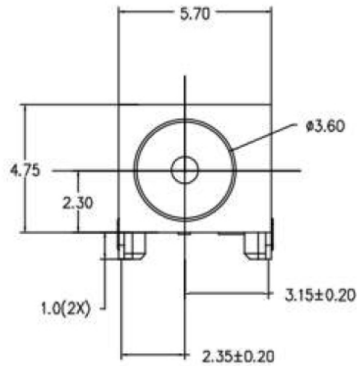
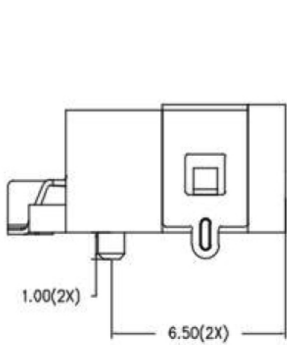
\* Time within 5°C of Actual Peak Temp. -- 20~40 Seconds

## MECHANICAL DRAWING

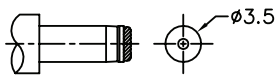
units: mm  
 tolerance:  
 X.X ±0.20 mm  
 X.XX ±0.10 mm  
 X.XXX ±0.050 mm  
 PCB: ±0.05 mm  
 unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	copper alloy	gold [contact area] tin [remaining portion]
terminal 2	copper alloy	gold
shield	brass	nickel
housing	PA10T [UL94V-0]	black



Recommended PCB Layout  
Top View



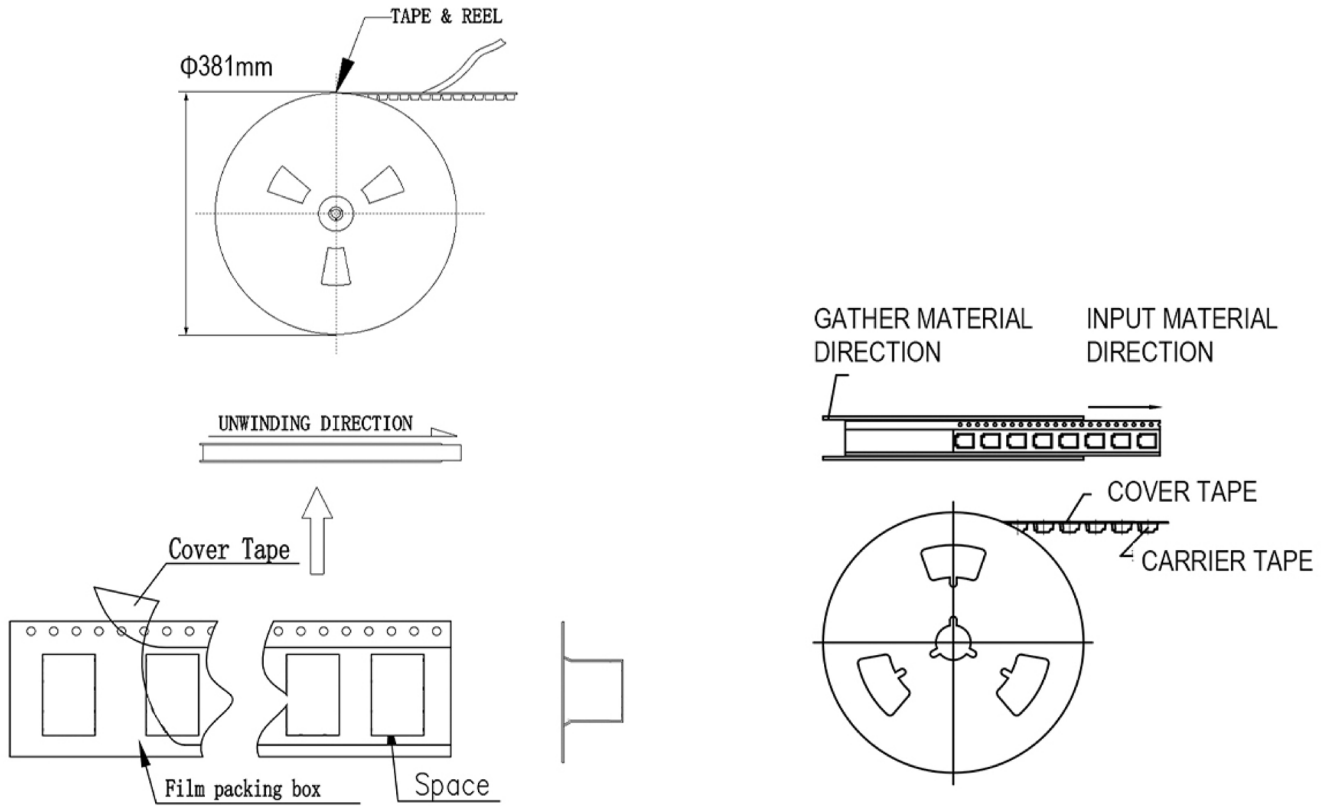
MATING PLUG  
 Jack Insertion Depth: 6.0mm

SCHEMATIC	
Model	PJ-072C-SMT-TR
Center Pin	Ø1.0 mm

## PACKAGING

units: mm

Reel Size:  $\varnothing 381$  mm  
Reel QTY: 1,200 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	06/25/2012
1.01	added TR package option	11/28/2012
1.02	increased voltage rating	05/16/2016
1.03	added storage and drying conditions, and tape and reel packaging details	08/18/2017
1.04	brand update	10/22/2019
1.05	logo, datasheet style update	08/05/2022
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	06/29/2023

The revision history provided is for informational purposes only and is believed to be accurate.



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