

**date** 01/17/2023 **page** 1 of 4

# MODEL: PJ-068B-SMT-TR | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- ·mid mount for low profile applications
- •fully shielded
- ·high current rating





#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	А
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
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	Ves				

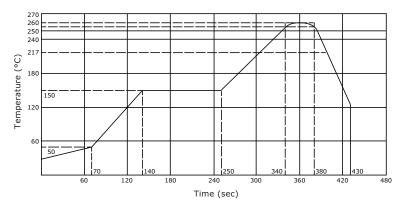
## **SOLDERABILITY**

Note:

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>2</sup>	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				

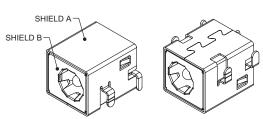
1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <80%.

When exceeding floor life by >72 hours.



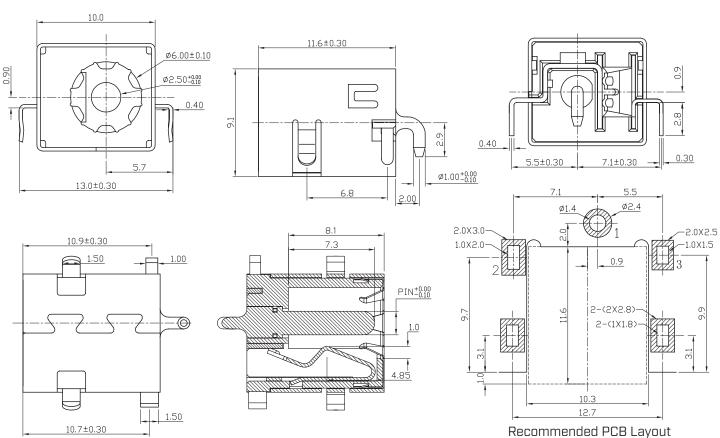
### **MECHANICAL DRAWING**

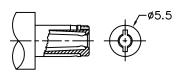
units: mm tolerance: X. ±0.50 mm X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm PCB: ±0.05 mm unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	zinc alloy	nickel
terminal 1	zinc alloy	nickel
terminal 2	bronze t=0.30	silver
terminal 3	brass t=0.40	silver
shield-A	iron t=0.30	nickel
shield-B	SUS301 t=0.10	
housing	PA9T (UL94V-0)	black

Top View





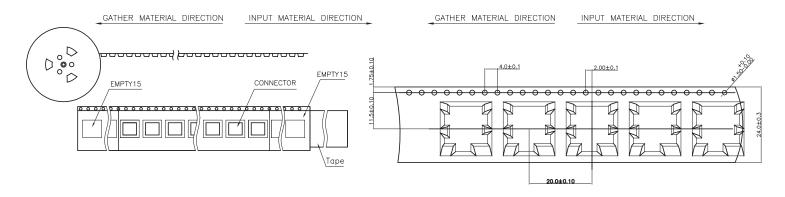
MATING PLUG Jack Insertion Depth: 8.1 mm

SCHEMATIC	$ \begin{array}{c c}  & 3 \\  & 3 \\  & 2 \end{array} $
Model	PJ-068B-SMT
Center Pin	Ø2.5 mm

### **PACKAGING**

units: mm

Reel Size: Ø330 mm Reel QTY: 300 pcs per reel





300pcs/reel



#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	05/04/2011	
1.01	updated spec, added jack insertion depth	10/23/2012	
1.02	added TR package option	11/29/2012	
1.03	increased voltage rating	05/09/2016	
1.04	added storage and drying conditions, and tape and reel packaging details	10/17/2017	
1.05	brand update	10/30/2019	
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	01/17/2023	

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



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.