

**date** 12/20/2022 **page** 1 of 4

# MODEL: PJ-075DH-SMT-TR | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- 1.3 mm center pin
- 3.5 A rating
- low profile
- surface mount (SMT)
- · internal switch





#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				3.5	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				
RnHS	Ves				

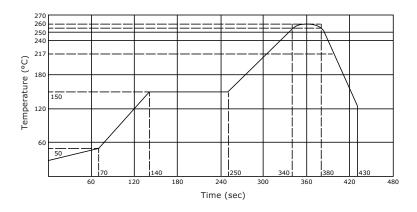
## **SOLDERABILITY**

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.

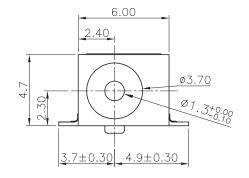


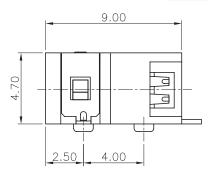
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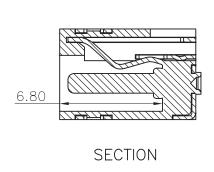
### **MECHANICAL DRAWING**

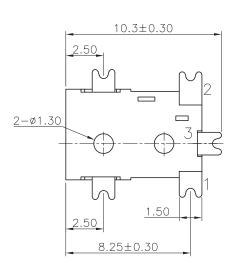
units: mm tolerance: X. ±0.50 mm X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm PCB: ±0.05 mm unless otherwise specified

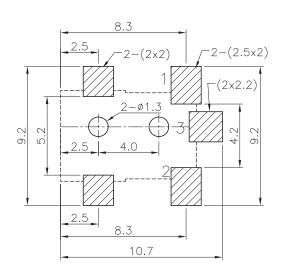
MATERIAL	PLATING/COLOR
brass	nickel
brass t=0.25	silver
SUS301 t=0.30	silver
brass t=0.25	silver
brass t=0.25	silver
PA9T (UL94V-0)	black
	brass brass t=0.25 SUS301 t=0.30 brass t=0.25 brass t=0.25











MATING PLUG
Jack Insertion Depth: 6.8 mm

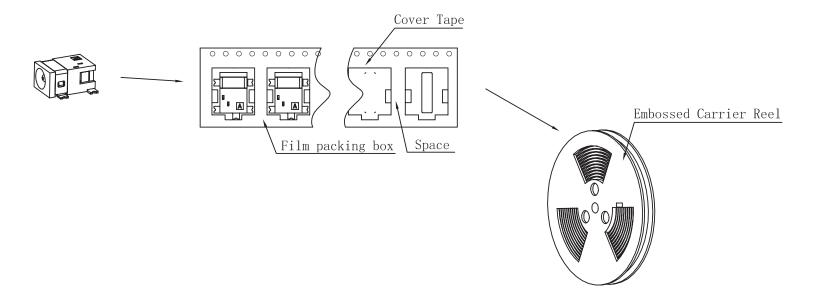
SCHEMATIC	1 1 2	
Model	PJ-075DH-SMT	
Center Pin	Ø1.3 mm	

Recommended PCB Layout Top View

## **PACKAGING**

units: mm

Reel Size: Ø330mm Reel QTY: 1,000 pcs per reel



#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	03/16/2012
1.01	increased voltage rating	05/17/2016
1.02	added storage and drying conditions, and tape and reel packaging details	07/24/2017
1.03	logo, datasheet style update	08/05/2022
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	12/20/2022

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.

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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.