

**MODEL:** PJ-043-SMT-TR | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 1.0 mm center pin
- 2.0 A rating
- right angle orientation
- surface mount (SMT)
- shielded
- internal switch

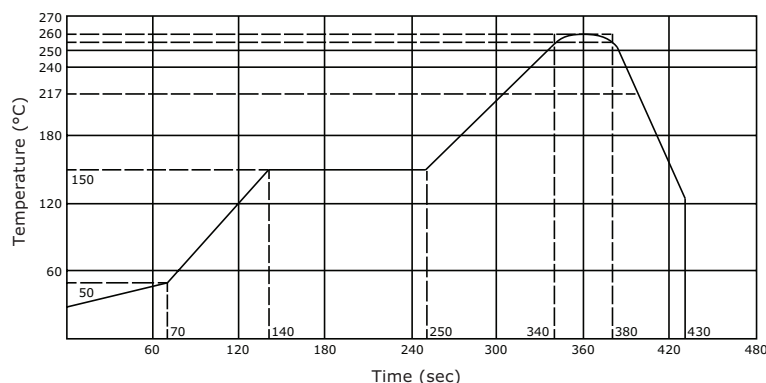
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.0	A
contact resistance				30	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**

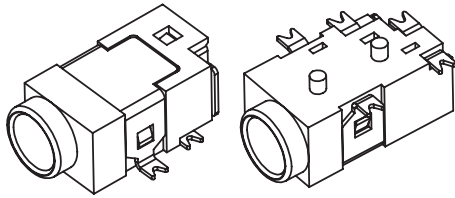
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>2</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

Note: 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <80%.  
2. When exceeding floor life by >72 hours.

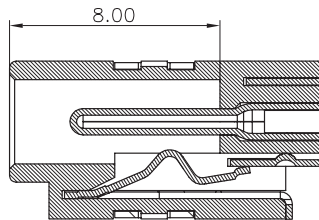
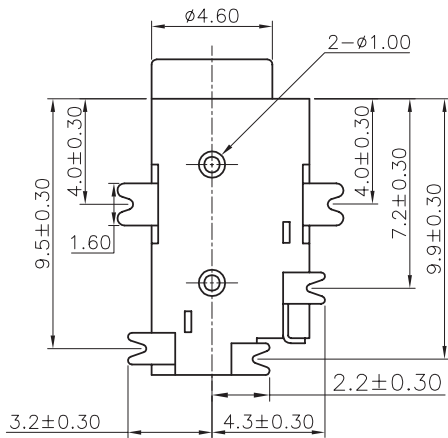
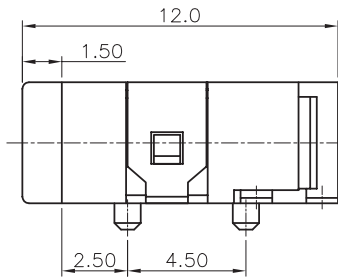
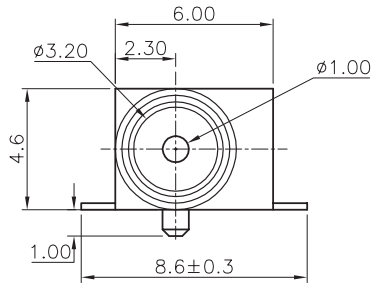


## MECHANICAL DRAWING

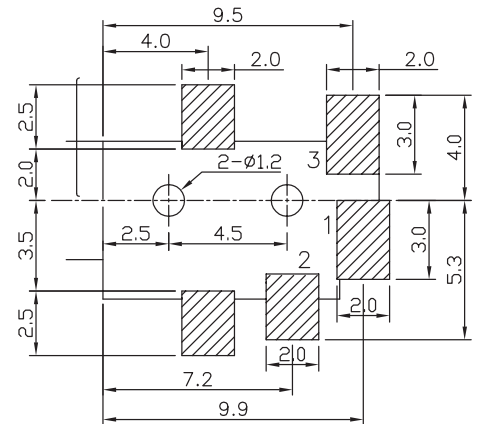
units: mm  
 tolerance:  
 X,  $\pm 0.30$  mm  
 X.X  $\pm 0.25$  mm  
 X.XX  $\pm 0.15$  mm  
 PCB:  $\pm 0.05$  mm  
 unless otherwise specified



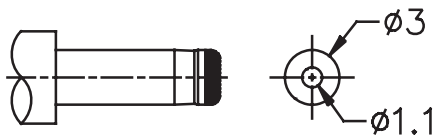
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	tin
terminal 1	brass t=0.25	tin
terminal 2	SUS301 t=0.25	tin
terminal 3	brass t=0.25	tin
shield	brass t=0.25	tin
housing	PA9T (UL94V-0)	black



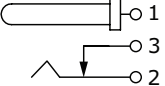
SECTION



Recommended PCB Layout  
Top View



MATING PLUG  
Jack Insertion Depth: 8.0mm

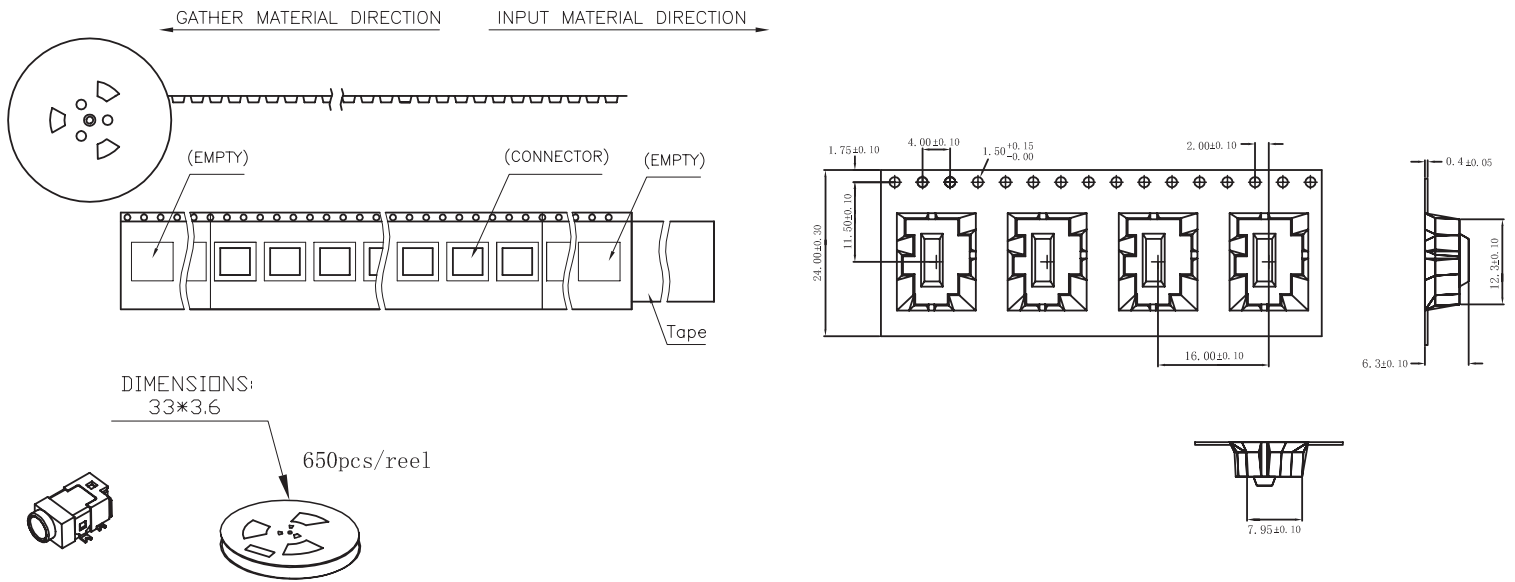
SCHEMATIC	
Model	PJ-043-SMT-TR
Center Pin	$\varnothing 1.0$ mm

## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 650 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	02/05/2007
1.01	added TR package option and jack insertion depth	11/07/2012
1.02	applied new spec template	08/29/2013
1.03	increased voltage rating	04/14/2016
1.04	added storage and drying conditions, and tape and reel packaging details	08/30/2017
1.05	brand update	10/23/2019
1.06	logo, datasheet style update	08/05/2022
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	12/14/2022

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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