

MODEL: PJ-042-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

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



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RoHS

SPECIFICATIONS

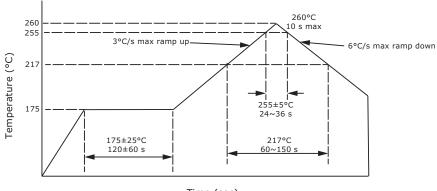
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				1.0	А
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 250 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		З	kg
operating temperature		-25		85	°C
storage temperature		-40		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

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parameter	conditions/description	min	typ	max	units
reel storage	reel opened & unsused parts repacked within 2 hours: ≤30°C, ≤60% humidity reel unopened, 1 year shelf life: ≤30°C, ≤85% humidity				
reflow soldering	see reflow profile			260	°C
drying conditions	parts removed from reel over 6 hours: bake at 40°	°C for 6 hours			

Note: 1. CUI Devices recommends usage of the product within 2 hours after T&R is opened. After 6 hours, CUI Devices recommends drying the parts prior to use.

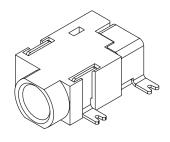


Time (sec)

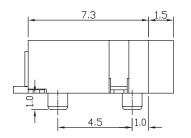
cuidevices.com

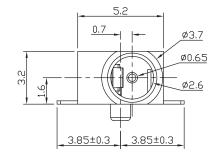
MECHANICAL DRAWING

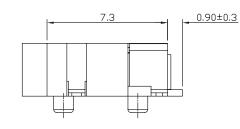
units: mm tolerance: ±0.2mm unless otherwise specified



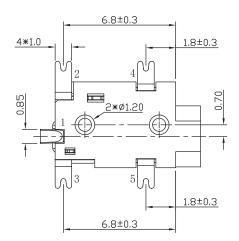
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	H65 brass	silver
terminal 1	H65 brass	silver
terminal 2	bronze	silver
terminal 3	brass	silver
supports (4, 5)	brass	silver
stopper	brass	silver
housing	PA9T (UL94V-0)	black

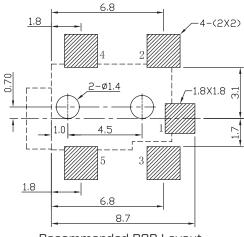




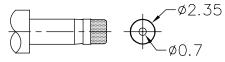


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Recommended PCB Layout Top View



MATING PLUG Jack Insertion Depth: 7.0 mm

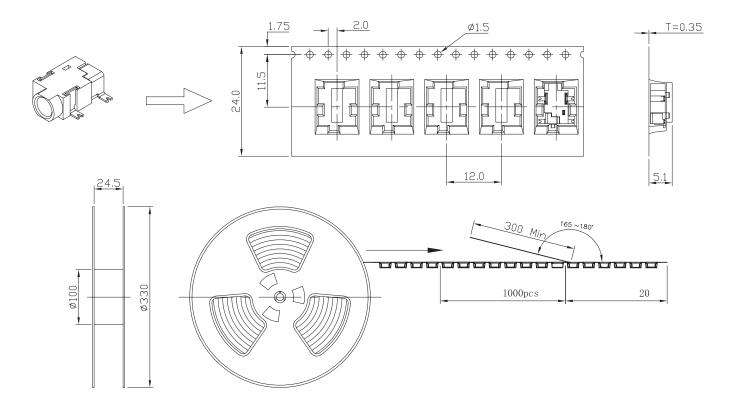
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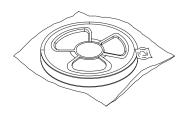
SCHEMATIC	
Model	PJ-042-SMT
Center Pin	Ø0.65 mm

PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 1,000 pcs per reel





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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	07/26/2017
1.05	brand update	10/21/2019
1.06	logo, datasheet style update	08/05/2022
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	03/02/2023

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.



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