

08/18/2017

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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	А
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 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	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

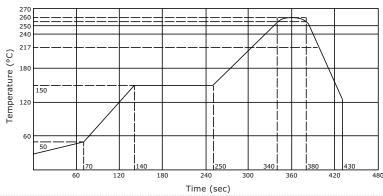
- 1. When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at $10\sim35^{\circ}$ C, humidity at $45\sim85\%$, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	255	260	265	°C
drying conditions ⁴	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:

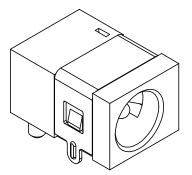
- 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
- 4. When exceeding floor life by >72 hours.



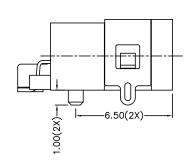
MECHANICAL DRAWING

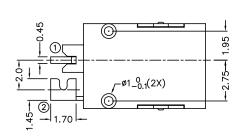
units: mm

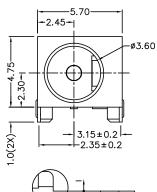
TOLERANCE: $X.X \pm 0.2mm$ $X.XX \pm 0.1mm$ $X.XXX \pm 0.05mm$ PCB: ±0.05 mm

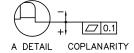


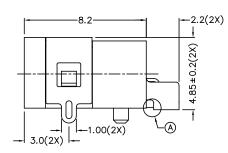
	MATERIAL	PLATING
terminal 1	copper alloy	gold (contact area) tin (remaining portion)
terminal 2	copper alloy	gold
shield	brass	nickel
plastic	PA6T or equivalent	

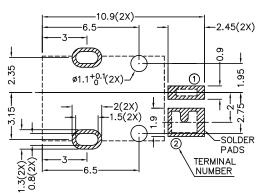




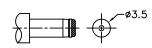








Recommended PCB Layout Top View



MATING PLUG Jack Insertion Depth: 6.0mm

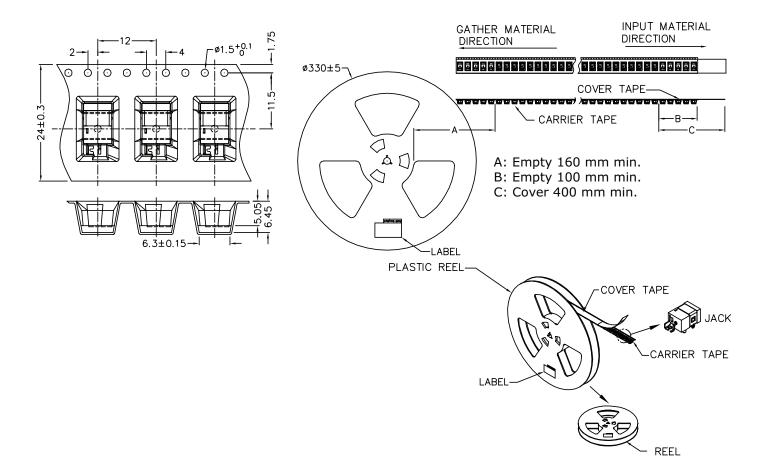
SCHEMATIC		
	^o2	
Model	PJ-072C-SMT	
Center Pin	Ø1.0 mm	

PACKAGING

units: mm

Reel Size: Ø330 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

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



Headquarters 20050 SW 112th Ave. Tualatin, OR 97062 800.275.4899

Fax 503.612.2383 cui.com techsupport@cui.com

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

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