

08/30/2017

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MODEL: PJ-014CH-SMT-TR | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- low profile
- 3.5 A current rating





### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				3.5	Α
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 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	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

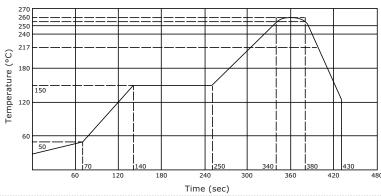
- 1. When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at  $10\sim35^{\circ}$ C, humidity at  $45\sim85\%$ , under standard atmospheric pressure, unless otherwise noted.

## **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>3</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>4</sup>	parts in reel: bake at $40^{\circ}$ C $\pm 5^{\circ}$ C for 72 hours parts removed from reel: bake at $40^{\circ}$ C $\pm 5^{\circ}$ C for 10 hours				

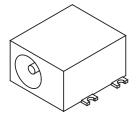
Note:

- 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.

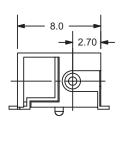


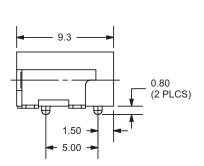
# **MECHANICAL DRAWING**

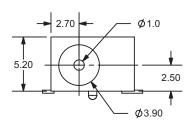
units: mm[inches] tolerance:  $x.x = \pm 0.2 \text{ mm}$  $x.xx = \pm 0.1 \text{ mm}$  $x.xxx = \pm 0.05 \text{ mm}$ PCB: ±0.05 mm

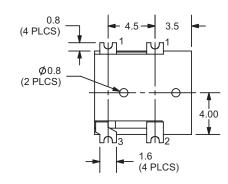


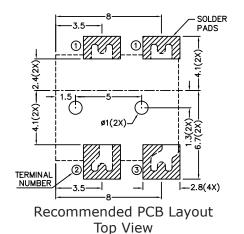
	MATERIAL	PLATING
cernter pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PA6T or equivalent	

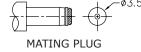












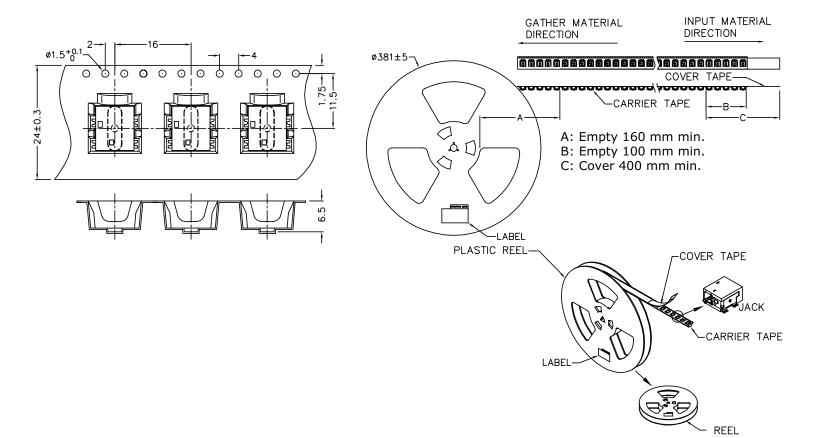
Jack Insertion Depth: 6.2 mm

SCHEMATIC	01 03 02
Model	Center Pin
PJ-014CH-SMT	ø1.0 mm

### **PACKAGING**

units: mm

Reel Size: Ø381 mm Reel QTY: 800 pcs per reel



### **REVISION HISTORY**

rev.	description	date
1.0	initial release	10/13/2005
1.01	added TR package option	11/07/2012
1.02	updated template	11/19/2012
1.03	increased voltage rating	04/28/2016
1.04	added storage and drying conditions, and tape and reel packaging details	08/30/2017

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



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

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