


CUI INC[®]
date 10/17/2017

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MODEL: PJ-068B-SMT-TR | **DESCRIPTION:** MID MOUNT DC POWER JACK

FEATURES

- mid mount for low profile applications
- fully shielded
- high current rating


SPECIFICATIONS

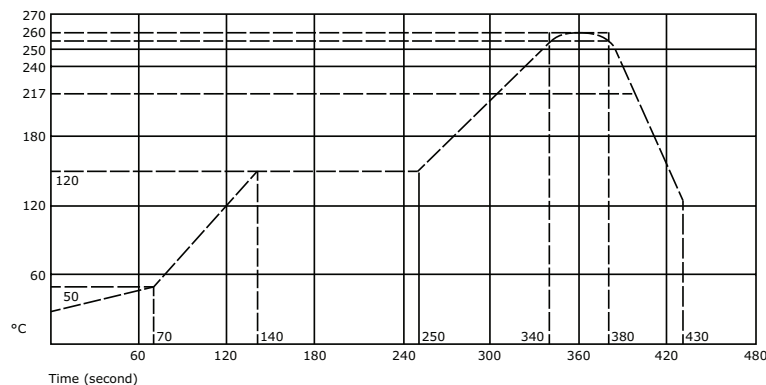
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	A
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal 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				

Note: 1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10~35°C, humidity at 45~85%, 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				

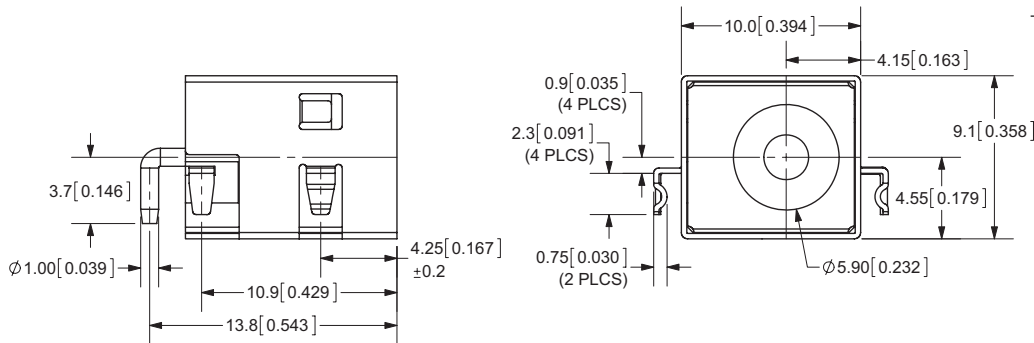
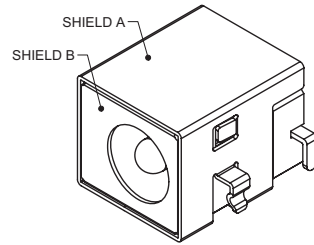
Note: 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >72 hours.



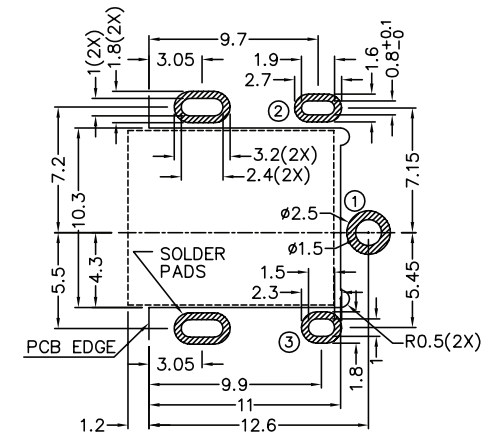
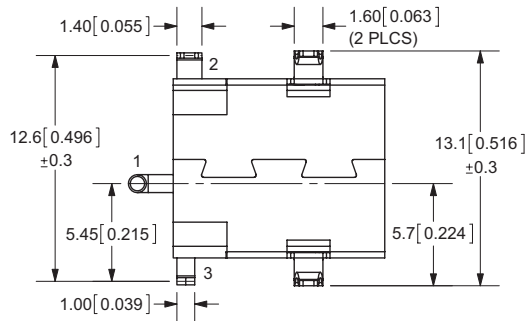
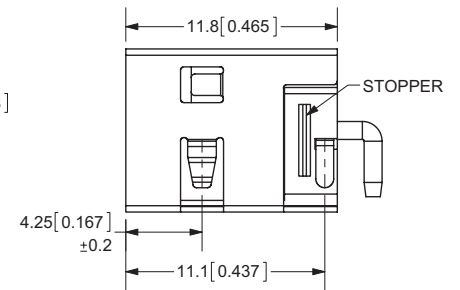
MECHANICAL DRAWING

units: mm[inches]

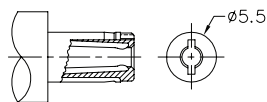
TOLERANCE:
X.X ± 0.2 mm
X.XX ± 0.1 mm
X.XXX ± 0.05 mm
PCB: ± 0.05 mm



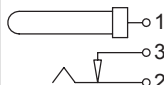
	MATERIAL	PLATING
center pin	brass	silver
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
stopper	cold rolled steel	nickel
shield-A	brass	nickel
shield-B	stainless steel	
plastic	PA6T or equivalent	



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.2 mm

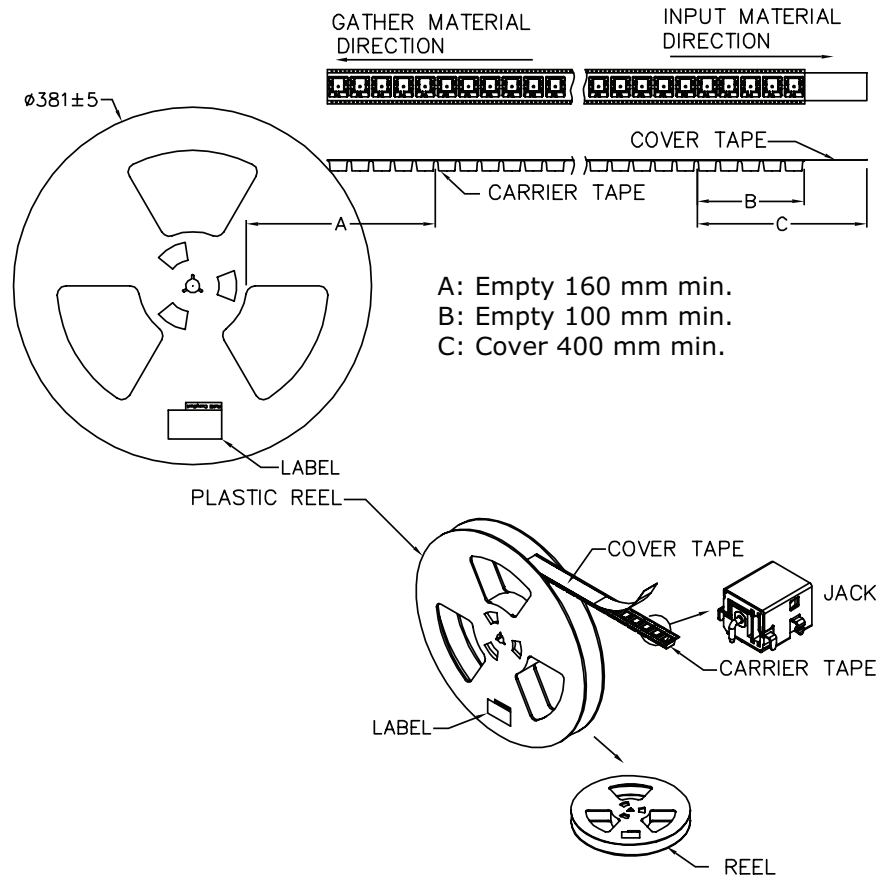
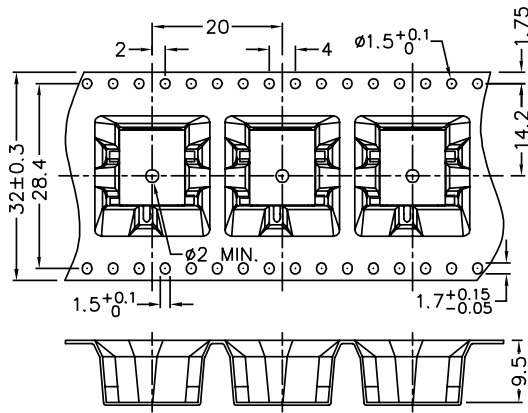
SCHEMATIC	
Model	PJ-068B-SMT
Center Pin	Ø2.5 mm

PACKAGING

units: mm

Reel Size: Ø381 mm

Reel QTY: 450 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	05/04/2011
1.01	updated spec, added jack insertion depth	10/23/2012
1.02	added TR package option	11/29/2012
1.03	increased voltage rating	05/09/2016
1.04	added storage and drying conditions, and tape and reel packaging details	10/17/2017

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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CUI 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.