CUDEVICES

MODEL: PJ-069B-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

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



RoHS

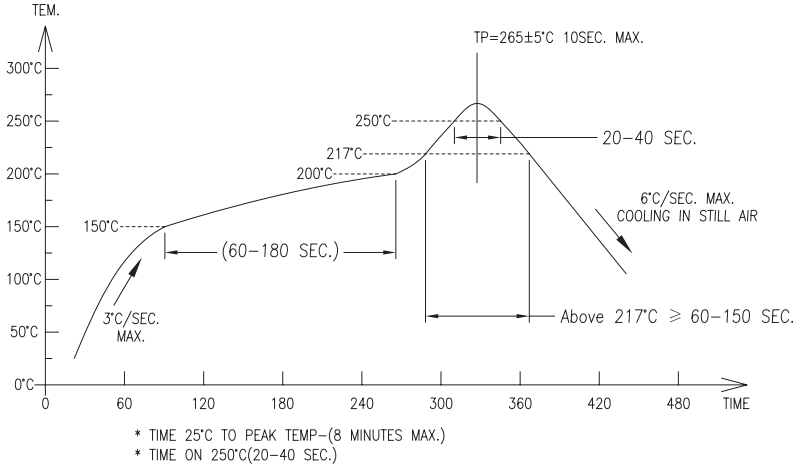
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	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
wave soldering	dipped in solder pot for 5 ±5 seconds	255	260	265	°C
reel storage	-5~35°C, 25~80% humidity reel opened: use within 1 month reel unopened: use within 6 months				
reflow soldering	see reflow profile	260	265	270	°C

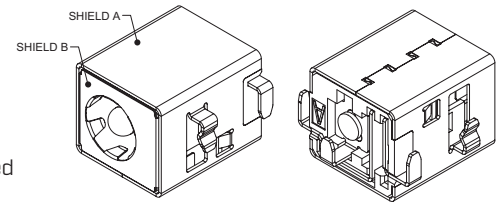
Note: 1. CUI Devices recommends usage of the product within 2 hours after T&R is opened. After 6 hours, CUI Devices recommends drying the parts prior to use.



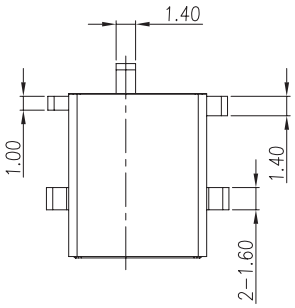
* TIME 25°C TO PEAK TEMP–(8 MINUTES MAX.)
* TIME ON 250°C(20–40 SEC.)

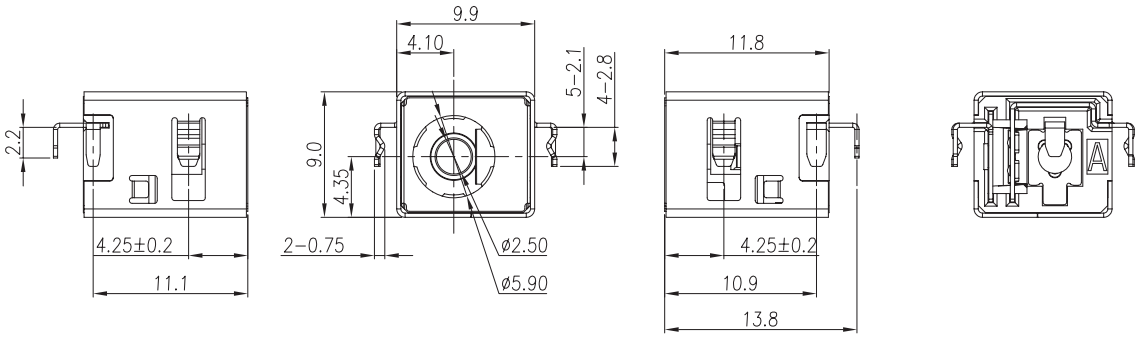
MECHANICAL DRAWING

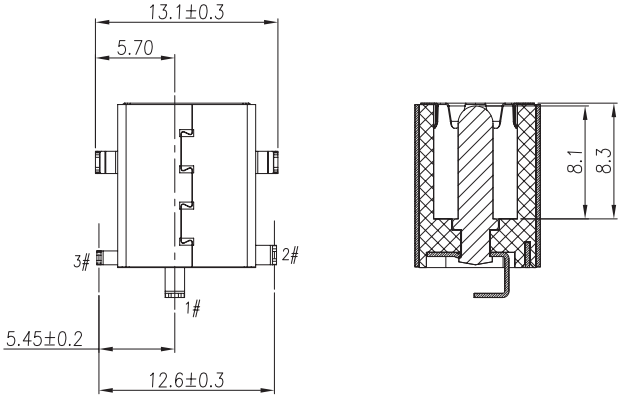
units: mm
tolerance:
X. ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

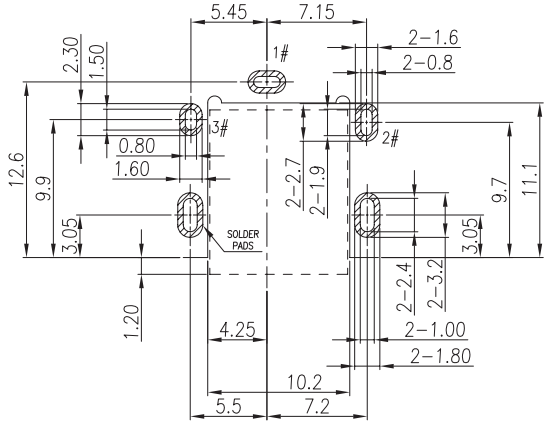


DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
shield-A	brass	nickel
shield-B	stainless steel	
housing	PA10T (UL94V-0)	black

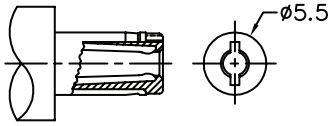




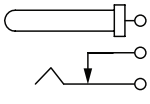




Recommended PCB Layout
Top View



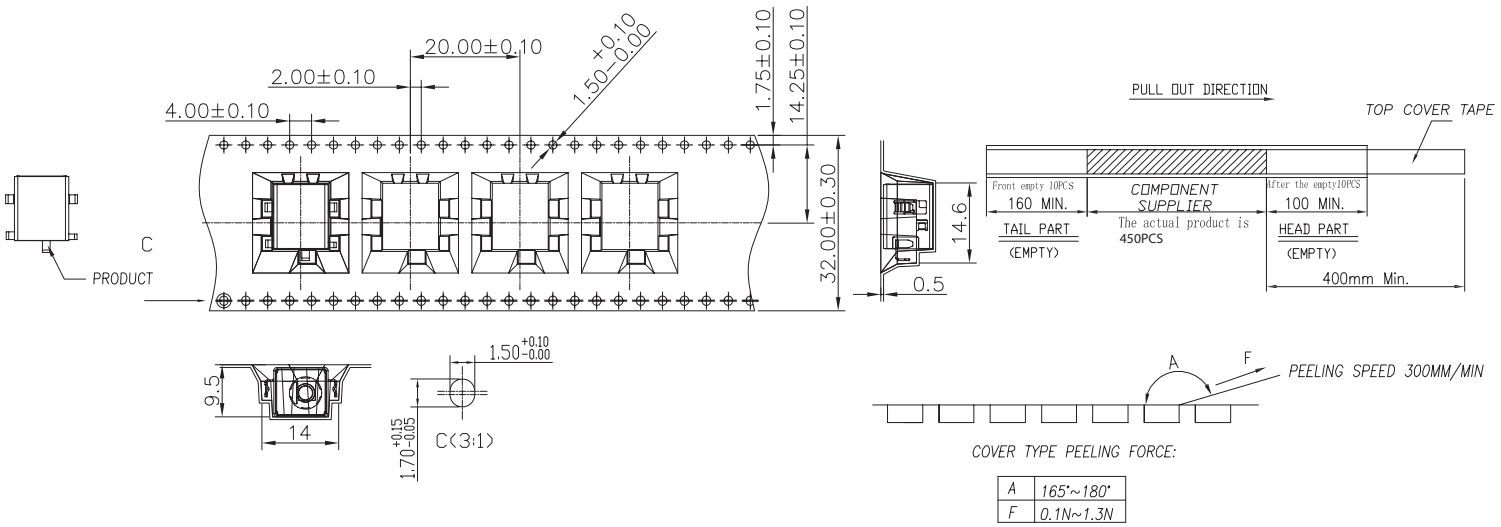
MATING PLUG
Jack Insertion Depth: 8.3 mm

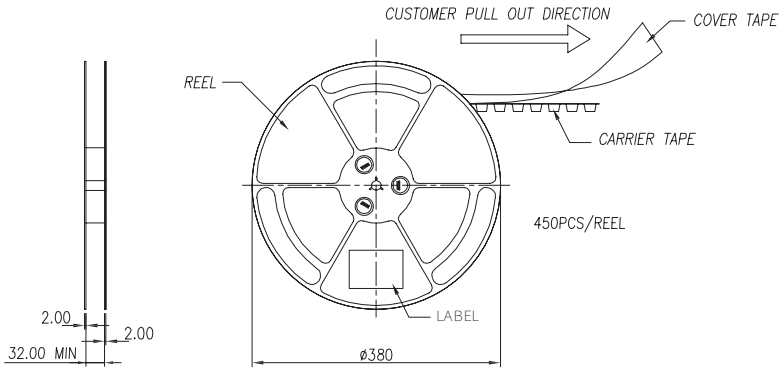
Schematic	
Model	PJ-069B-SMT
Center Pin	Ø2.5 mm

PACKAGING

units: mm

Reel Size: Ø380 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	11/28/2012
1.03	increased voltage rating	05/09/2016
1.04	added storage and drying conditions, and tape and reel packaging details	10/17/2017
1.05	brand update	10/31/2019
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	10/16/2023

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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