MODEL: PJ-037B | DESCRIPTION: DC POWER JACK

FEATURES

- 2.5 mm center pin
- 2.5 A rating
- right angle orientation
- through hole



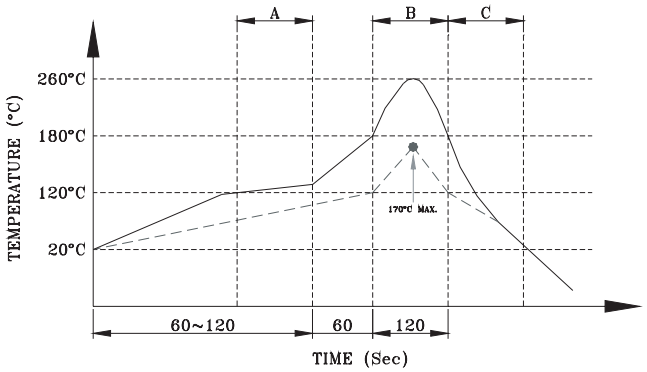
RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			100 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		2	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	for max 5 seconds	255	260	265	°C



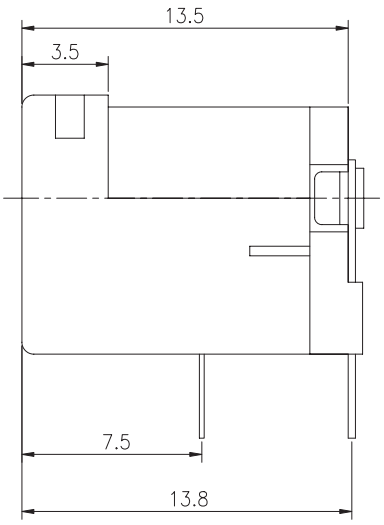
A. Preheating
B. Soldering
C. Cooling

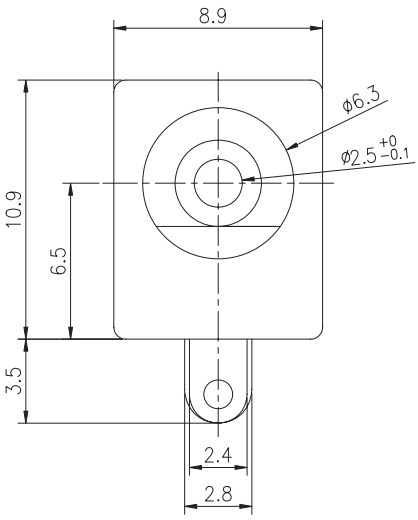
——— Pin Temperature
– – – – Component Temperature

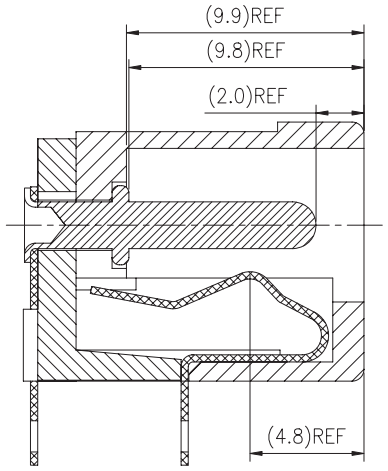
MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.20 mm
X.XX ±0.15 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm
unless otherwise specified

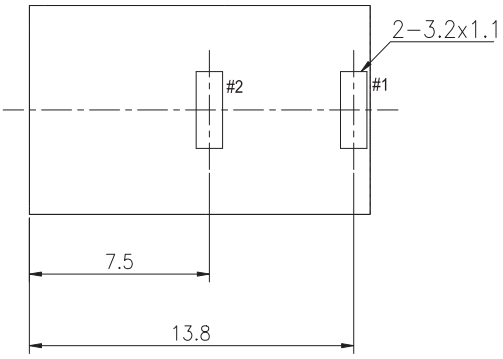
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper alloy	nickel
terminal 1	brass t=0.3 mm	nickel-silver
terminal 2	phosphor bronze t=0.3 mm	nickel-silver
housing	PBT (UL94V-0)	black
cover	PBT (UL94V-0)	black



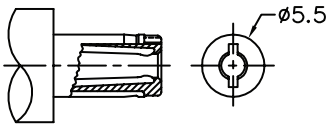




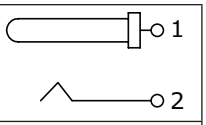
SECTION A-A



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 9.8 mm

SCHEMATIC	
Model	PJ-037B
Center Pin	Ø2.5 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	cut away area modified	08/28/2008
1.02	added dimensions	06/24/2011
1.03	applied new spec template	09/12/2013
1.04	increased voltage rating	04/08/2016
1.05	brand update	11/06/2019
1.06	logo, datasheet style update	08/05/2022
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	12/07/2022

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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