

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	А
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

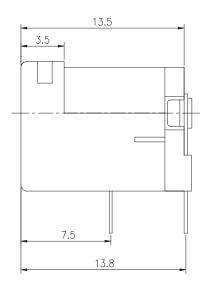
parameter	conditions/description		min	typ	max	units
wave soldering	for max 5 seconds		255	260	265	°C
	260°C 260°C 180°C 180°C 20°C 20°C 60~120 60 TIMD	B C B C 170°C MAX. D 120 E (Sec)	 			
	A. Preheating - B. Soldering -	——— Pin Temperature - – – – Component Tem				

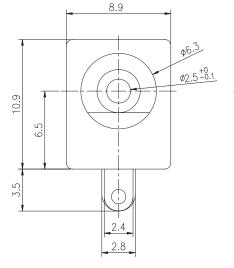
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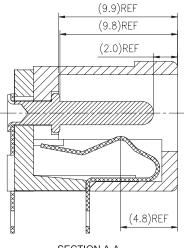
MECHANICAL DRAWING

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

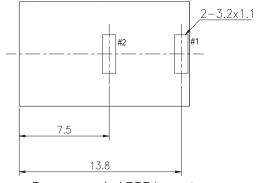
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper alloy	nickel
terminal 1	brass t=0.3 mm	nickel-silver
terminal 2	phosphor bronze t=0.3 mm	nickel-silver
housing	PBT (UL94V-0)	black
cover	PBT (UL94V-0)	black





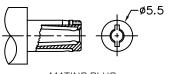






Recommended PCB Layout Top View

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MATING PLUG Jack Insertion Depth: 9.8 mm

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SCHEMATIC		
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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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