CUDEVICES

MODEL: PJ-047A | **DESCRIPTION:** DC POWER JACK

FEATURES

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



RoHS

SPECIFICATIONS

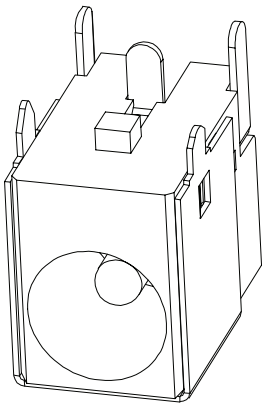
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

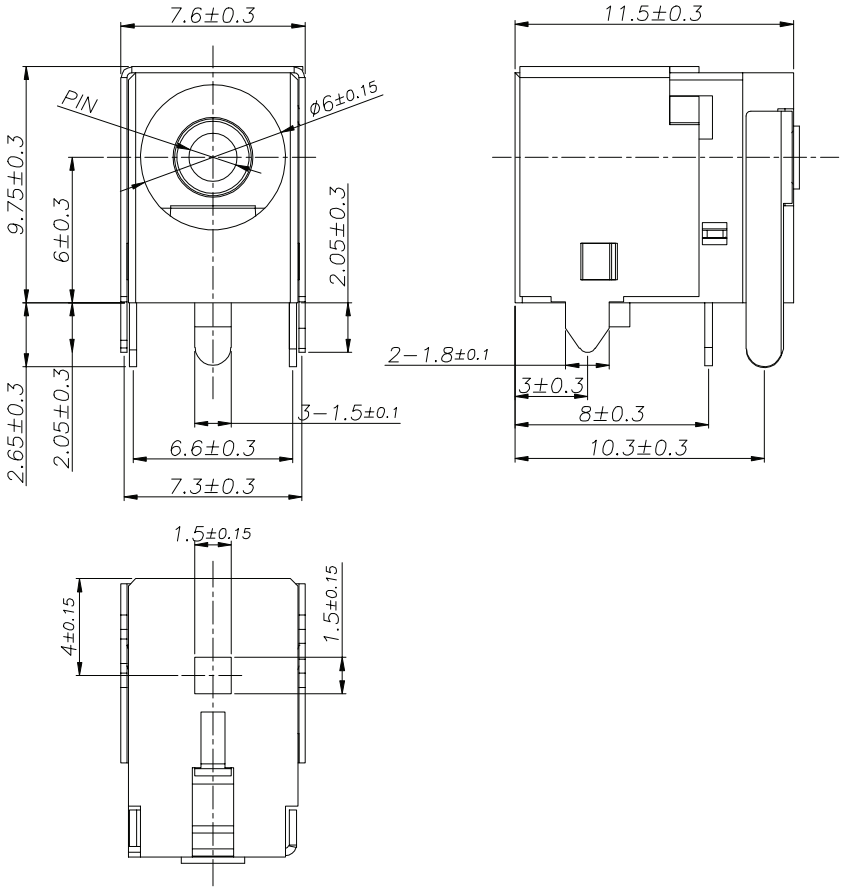
parameter	conditions/description	min	typ	max	units
hand soldering	for 3±1 seconds	375	380	385	°C
wave soldering	dipped in solder pot for 4~6 seconds		250		°C

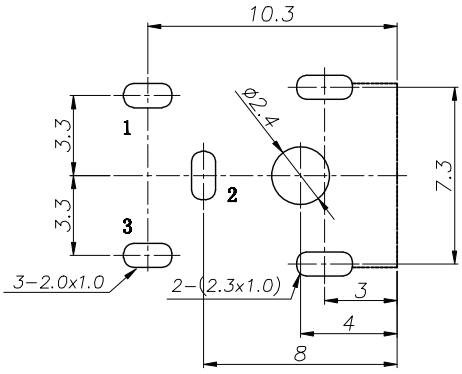
MECHANICAL DRAWING

units: mm
tolerance: ±0.30 mm
PCB: ±0.05 mm
unless otherwise specified

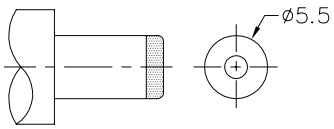


DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass t=0.30	silver
terminal 2	SUS301 t=0.30	silver
terminal 3	brass t=0.30	silver
shield	brass t=0.25	nickel
housing	PBT (UL94V-0)	black

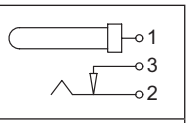




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.2 mm

SCHEMATIC	
Model	PJ-047A
Center Pin	Ø2.0 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	shield plating material changed from tin to nickel	09/30/2009
1.02	applied new spec template	01/02/2014
1.03	increased voltage rating	04/14/2016
1.04	brand update	10/29/2019
1.05	logo, datasheet style update	08/05/2022
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	02/23/2023
1.07	added hand soldering conditions	04/25/2024

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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