CUDEVICES

MODEL: PJ-056 | DESCRIPTION: DC POWER JACK

FEATURES

- 1.0 mm center pin
- 2.0 A rating
- right angle orientation
- through hole
- shielded
- 3 conductor

RoHS

SPECIFICATIONS

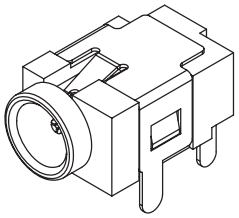
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.0	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand				500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

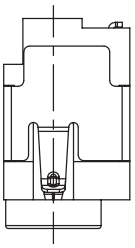
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

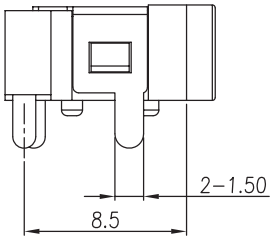
MECHANICAL DRAWING

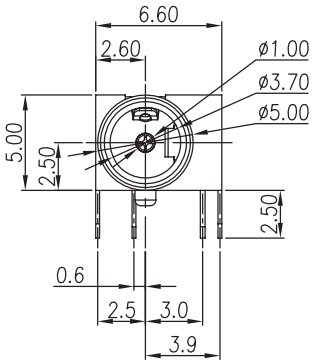
units: mm
tolerance:
X.X ±0.50 mm
X.XX ±0.30 mm
X.XXX ±0.20 mm
PCB tolerance: ±0.05 mm
unless otherwise specified
PCB thickness: 1.60 mm

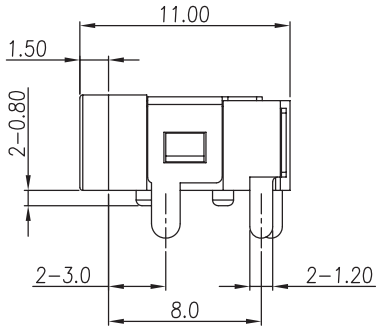


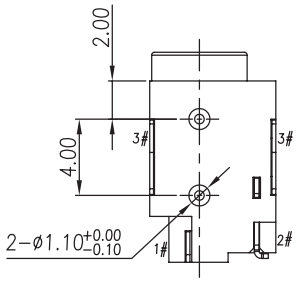


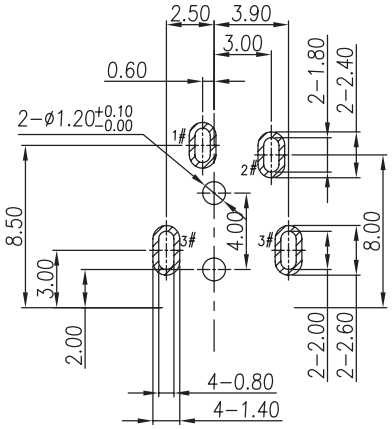
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	copper alloy	tin
housing	PBT (UL94V-0)	black



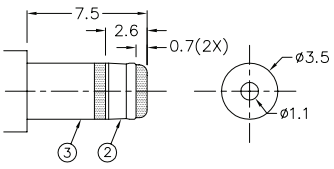




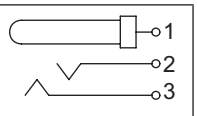




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 7.3 mm

Schematic	
Model	PJ-056
Center Pin	Ø1.0 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	01/21/2016
1.02	increased voltage rating	05/04/2016
1.03	product mold modified, pin #2 thickness increased to 0.25 mm	05/21/2019
1.04	brand update	10/23/2019
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	07/25/2023

The revision history provided is for informational purposes only and is believed to be accurate.