CUDEVICES

MODEL: PJ-019 | DESCRIPTION: DC POWER JACK

FEATURES

- kinked pins
- EIAJ-4 center pin
- rated to 3 A



RoHS

SPECIFICATIONS

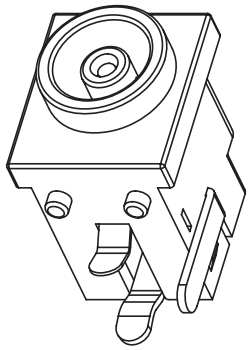
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				3	A
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand				500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

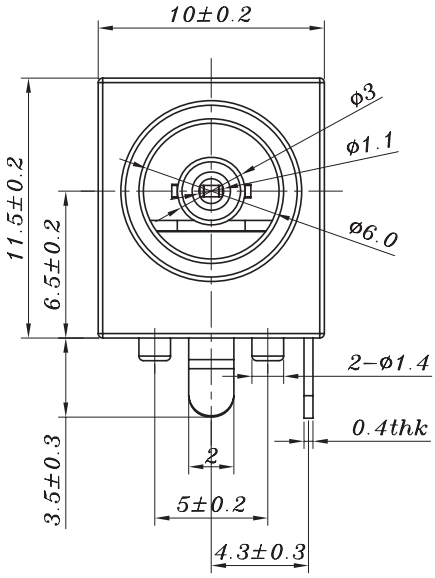
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds at	255	260	265	°C

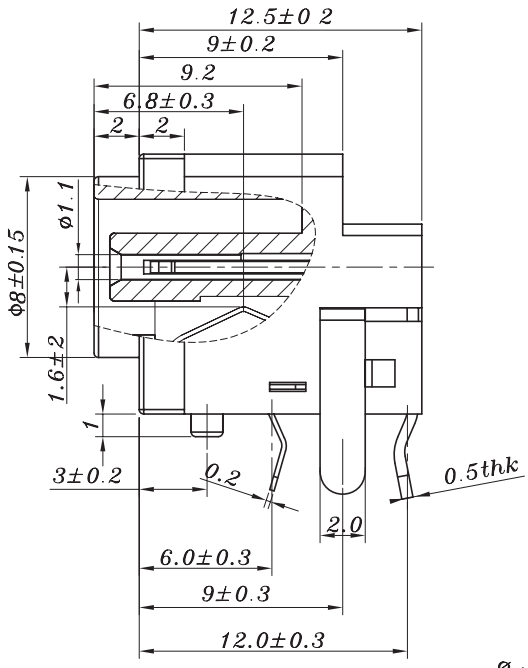
MECHANICAL DRAWING

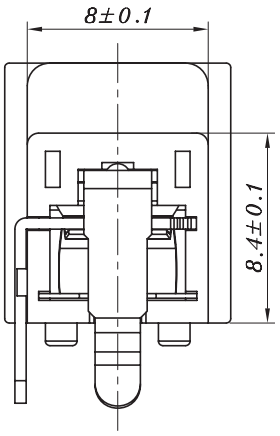
units: mm
tolerance:
X≤5.0: ±0.1 mm
X>5.0: ±0.2 mm
PCB: ±0.05 mm

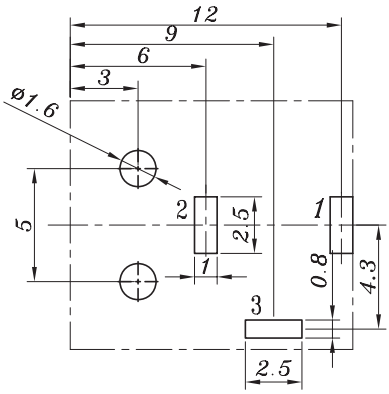


DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	phosphor bronze	silver
terminal 2	SUS	silver
terminal 3	brass	silver
housing	PBT (UL94V-0)	black

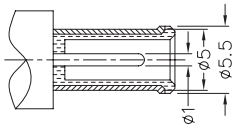




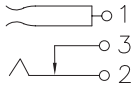




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 9.2 mm

Schematic	
Model	Center Pin
PJ-019	EIAJ-4 (1 mm)

REVISION HISTORY

rev.	description	date
1.0	initial release	08/26/2012
1.01	new template applied, molding updated	07/18/2012
1.02	updated datasheet	05/16/2016
1.03	brand update	11/06/2019
1.04	logo, datasheet style update	08/05/2022
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	02/13/2023

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

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