

**MODEL:** PJ-032A | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 2.0 mm center pin
- 2.5 A rating
- vertical orientation
- through hole

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance ¹	between terminal and mating plug			50	mΩ
	between terminal in a closed circuit			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

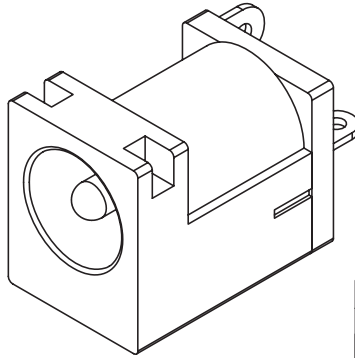
Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

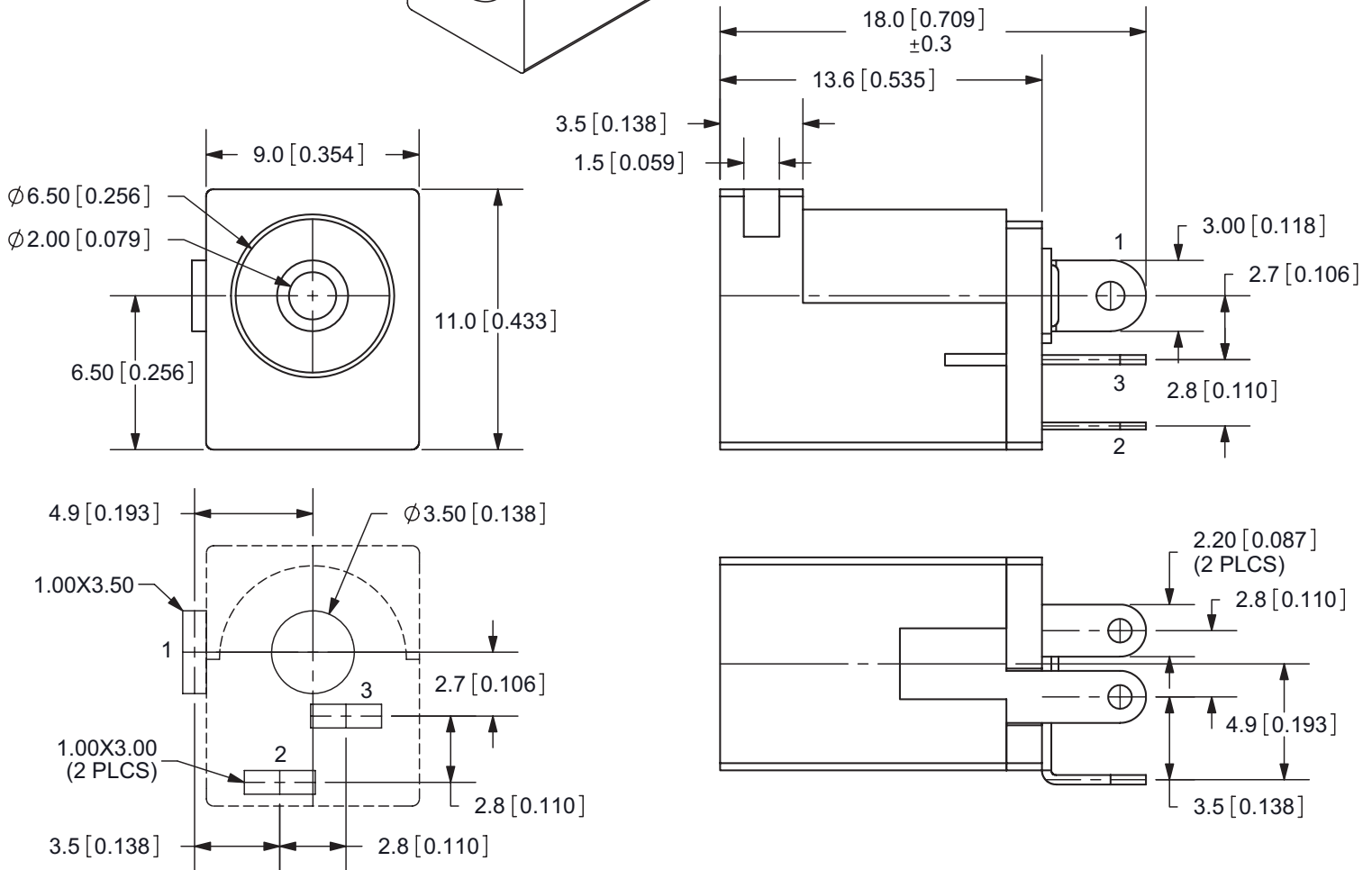
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

MECHANICAL DRAWING

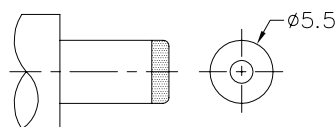
units: mm[inches]
tolerance:
X.X ± 0.2 mm
X.XX ± 0.1 mm
X.XXX ± 0.05 mm



	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
plastic	PBT	



**PCB LAYOUT
TOP VIEW**



MATING PLUG
Jack Insertion Depth: 9 mm

SCHEMATIC	
Model	PJ-032A
Center Pin	$\phi 2.0$ mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	changed terminal 1 dimension	11/13/2009
1.02	applied new spec template	01/17/2014
1.03	increased voltage rating	04/08/2016

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



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