

date 05/12/2016

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MODEL: PJ-002AH | DESCRIPTION: DC POWER JACK

#### **FEATURES**

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





## **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	А
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ 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				

1. When measured at a current of less than  $\overline{\text{100 mA/1 kHz}}$ Note:

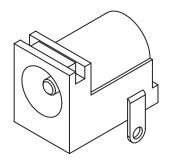
# **SOLDERABILITY**

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

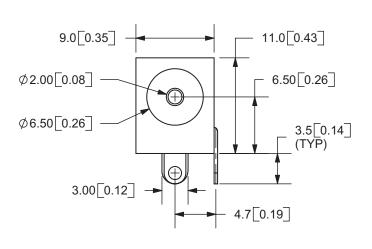
### **MECHANICAL DRAWING**

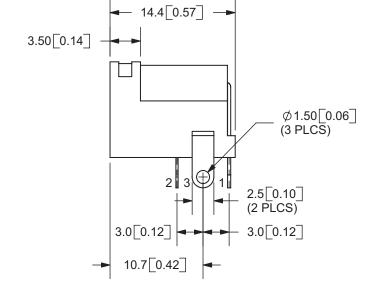
units: mm[inches] tolerance:  $X.X \pm 0.2mm$  $X.XX \pm 0.1mm$  $X.XXX \pm 0.05mm$ 

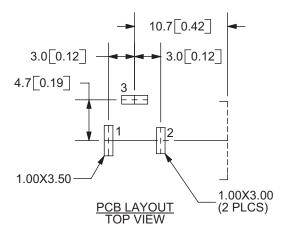
Note:

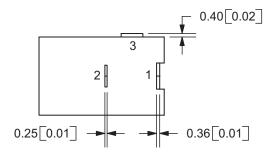


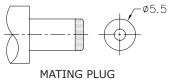
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PBT	











Jack Insertion Depth: 9.0 mm

SCHEMATIC	○1 ○3 ○2
Model	PJ-002AH
Center Pin	Ø2.0 mm

1. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

### **REVISION HISTORY**

rev.	description	date
1.0	initial release	04/17/2006
1.01	changed pin thickness layout	08/31/2006
1.02	applied new spec template	01/08/2015
1.03	updated datasheet	05/12/2016

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



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