**date** 10/30/2019

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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	yes				

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

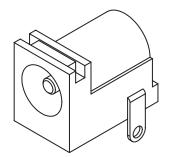
### **SOLDERABILITY**

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

#### **MECHANICAL DRAWING**

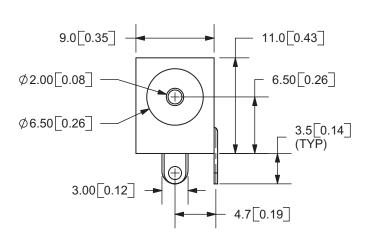
units: mm[inches] tolerance: X.X ±0.2mm X.XX ±0.1mm X.XXX ±0.05mm

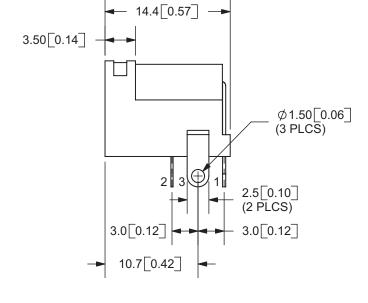
Note:

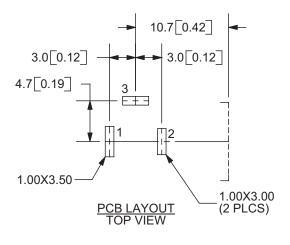


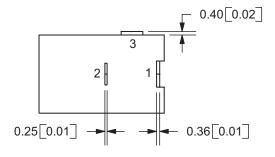
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PBT	

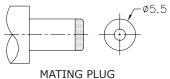
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Jack Insertion Depth: 9.0 mm

SCHEMATIC	-01 -03 -02
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.

Additional Resources: Product Page | 3D Model | PCB Footprint

CUI Devices | MODEL: PJ-002AH | DESCRIPTION: DC POWER JACK date 10/30/2019 | page 3 of 3

#### **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
1.04	brand update	10/30/2019

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

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