**date** 10/30/2019

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MODEL: PJ-102AH | DESCRIPTION: DC POWER JACK

#### **FEATURES**

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





### **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				

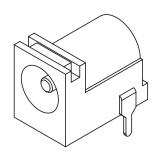
Note: 1. When measured at a current of less than 100 mA/1 kHz

## **SOLDERABILITY**

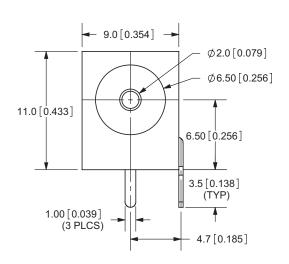
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for $5 \pm 0.5$ seconds	255	260	265	°C

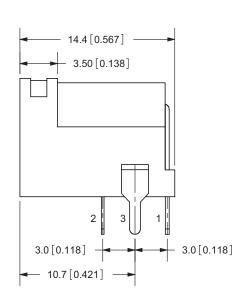
#### **MECHANICAL DRAWING**

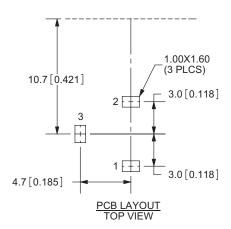
units: mm[inches] tolerance: X.X ±0.2mm X.XX ±0.1mm X.XXX ±0.05mm

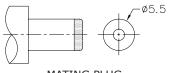


	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PBT	









MATING PLUG Jack Insertion Depth: 9.0 mm

SCHEMATIC	-1 -3 -2
Model	PJ-102AH
Center Pin	Ø2.0 mm

Note: 1. All

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

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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	11/17/2005
1.01	applied new spec template	01/08/2015
1.02	updated datasheet	05/12/2016
1.03	brand update	10/30/2019

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

# **CUI** DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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