

# MODEL: PJ1-022 | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- 0.65 mm center pin
- 1.0 A rating
- right angle orientation
- through hole



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#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				1.0	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				

rrent of less than 100

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## **SOLDERABILITY**

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

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## **MECHANICAL DRAWING**

units: mm[inches]				MATERIAL	PLATING
tolerance: X.X ±0.2mm		$\geq$	center pin	brass	silver
X.XX ±0.1mm		4	terminal 1	brass	silver
X.XXX ±0.05mm			terminal 2	copper alloy	silver
		P	terminal 3	brass	silver
			plastic	PA66	
		$\bigcup$			
		-			
		I	I		
		<b>-</b> 12.	0[0.472]		
	5.00[0.197] -	<b>◄</b> 11.0	[0.433]		
<b>A</b>	Ø2.80[0.110]				
5.00[0.197]	\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5.00[0.197]			
3.00[0.118]					
<u> </u>					
3.00[0.118]					
		0.80[0. (TYP)			
¥[]					
	→ 1.00[0.039]	(2	0.059] PLCS)		
◄── 10.00[0	0.394 ]►	I	1		
		<b></b> 9.00[0	.354] —		
3.00[0.118]	DX2.00 PLCS) - 1.2[0.047]		0[0.217]		
3.00_0.118_	3				
	0.80X1.50		2	Ī	
i(i-)			──()+'\E	6.0[0.236]	
	Ø1	.50[0.059] (2 PLCS)	♥ LIF		
		(2 FL00)	3	Ļ	
	2				

YOUT VIEW 2.35 Ø0.7

MATING PLUG

Jack Insertion Depth: 8.0 mm

2.2[0.087]

Ø1.60[0.063] (2 PLCS)

5.50[0.217

-01 SCHEMATIC -03 -∞2 Model PJ1-022 Center Pin Ø0.65 mm

- 10.0[0.394] ·

1.20[0.047]

1. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted. Note:  CUI Inc | MODEL: PJ1-022 | DESCRIPTION: DC POWER JACK

#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	04/17/2006
1.01	applied new spec template	01/21/2016
1.02	increased voltage rating	04/14/2016

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



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

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