

date 03/14/2023

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MODEL: PJ1-021 | DESCRIPTION: DC POWER JACK

FEATURES

- 1.65 mm center pin
- 5 A rating
- right angle orientation
- through hole mount with panel slots
- kinked pins





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	А
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
Rohs	Ves				

SOLDERABILITY

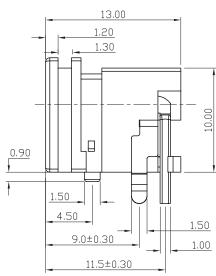
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

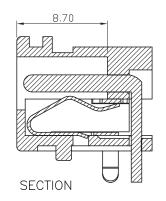
MECHANICAL DRAWING

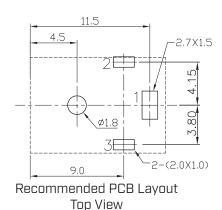
units: mm tolerance: X. ±0.50 mm X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm PCB: ±0.05 mm unless otherwise specified

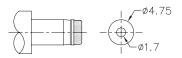
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3.0±0,30			2.00	1.00
3.0∓	4.3±0.30			3.8±0.30

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass	nickel
terminal 2	bronze t=0.30	silver
terminal 3	brass t=0.40	silver
housing	PBT (UL94V-0)	black









MATING PLUG Jack Insertion Depth: 8.7 mm

SCHEMATIC	01 03 02		
Model	PJ1-021		
Center Pin	Ø1.65 mm		

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

REVISION HISTORY

rev.	description	date	
1.0	initial release	04/17/2006	
1.01	appearance update to pin 2	11/29/2010	
1.02	terminal 1 material changed to copper	02/28/2012	
1.03	applied new spec template	06/09/2015	
1.04	increased voltage rating	04/14/2016	
1.05	brand update	10/25/2019	
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	03/14/2023	

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



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