

**MODEL:** PJ1-022 | **DESCRIPTION:** DC POWER JACK**FEATURES**

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

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				1.0	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
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	yes				

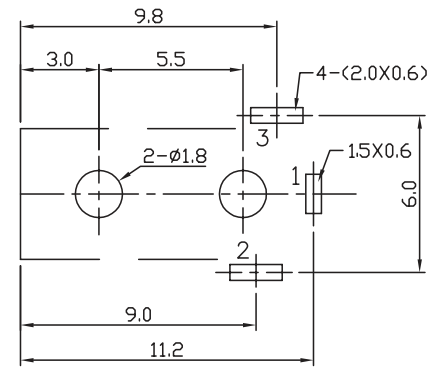
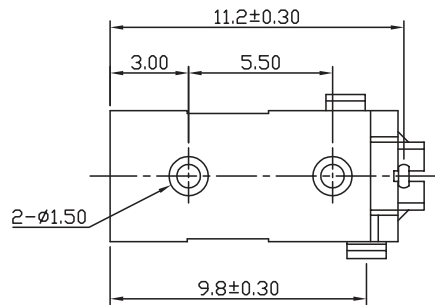
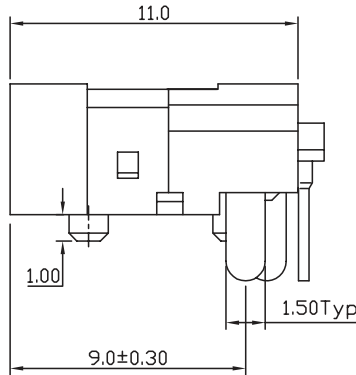
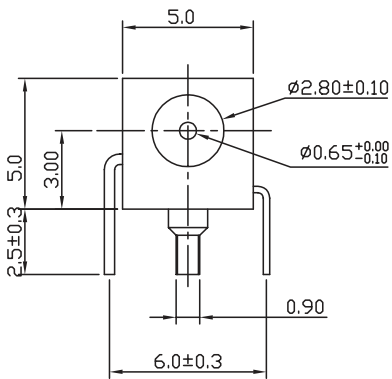
**SOLDERABILITY**

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

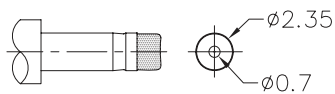
## MECHANICAL DRAWING

units: mm  
 tolerance:  
 X. ±0.5 mm  
 X.X ±0.3 mm  
 X.XX ±0.20 mm  
 X.XXX ±0.10 mm  
 PCB: ±0.05 mm  
 unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	silver
terminal 1	brass	silver
terminal 2	Be-Cu t=0.25	silver
terminal 3	brass t=0.40	silver
housing	PA66 [UL94V-0]	black



Recommended PCB Layout  
Top View



MATING PLUG  
Jack Insertion Depth: 8.0 mm

Schematic	
Model	PJ1-022
Center Pin	∅0.65 mm

## 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
1.03	brand update	10/21/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	12/14/2022

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



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