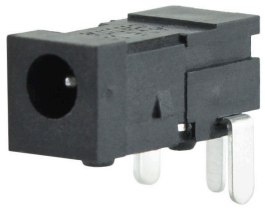
CUDEVICES

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

FEATURES

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



RoHS

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				

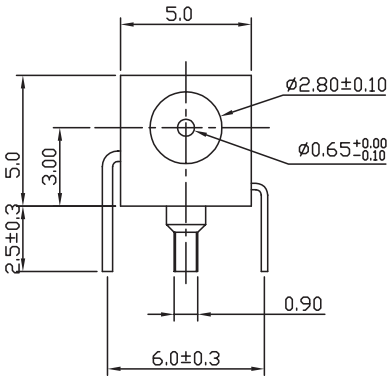
SOLDERABILITY

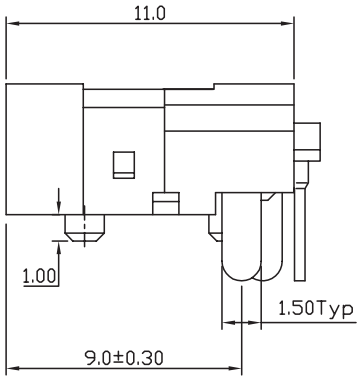
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

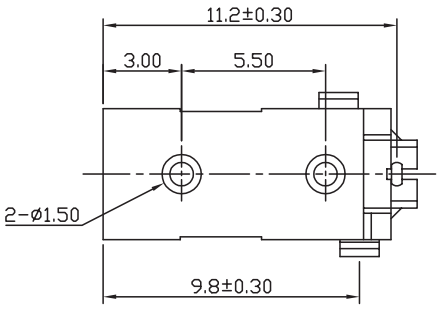
MECHANICAL DRAWING

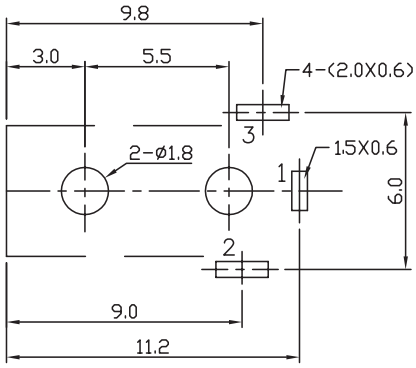
units: mm
tolerance:
X. ±0.5 mm
X.X ±0.3 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm
unless otherwise specified

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

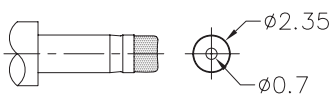




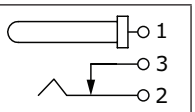




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.0 mm

Schematic	
Model	PJ1-022
Center Pin	Ø0.65 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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