CUDEVICES

MODEL: PJ-018 | **DESCRIPTION:** DC POWER JACK

FEATURES

- 1.65 mm center pin
- 2.0 A rating
- right angle orientation
- through hole



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.0	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				

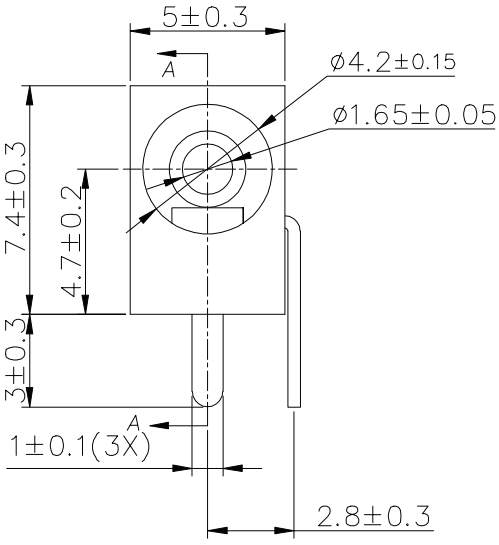
SOLDERABILITY

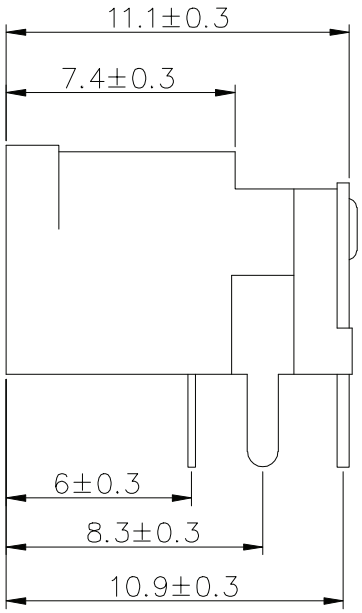
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 4~6 seconds		250		°C

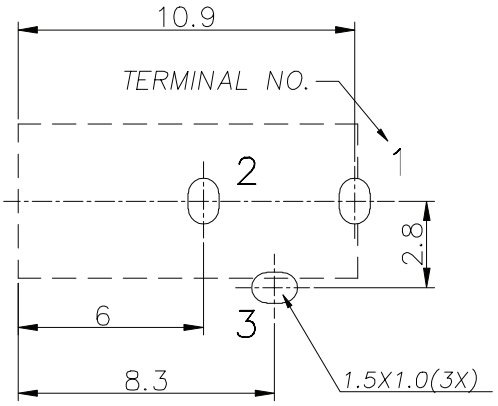
MECHANICAL DRAWING

units: mm
tolerance: ±0.30 mm
PCB: ±0.05 mm
unless otherwise specified

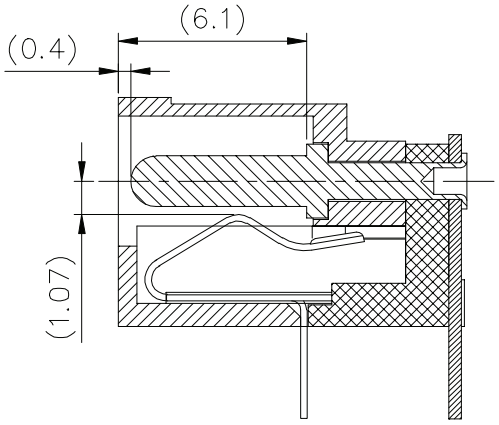
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	CuSnNi
terminal 1	brass t=0.4	silver
terminal 2	phosphor bronze t=0.25	silver
terminal 3	brass t=0.4	silver
housing	PA10T (UL94V-0)	black

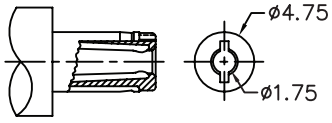




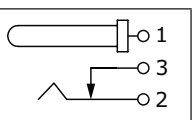


Recommended PCB Layout
Top View





MATING PLUG
Jack Insertion Depth: 6.1 mm

Schematic	
Model	PJ-018
Center Pin	Ø1.65 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	11/25/2014
1.02	increased voltage rating	04/08/2016
1.03	brand update	10/25/2019
1.04	logo, datasheet style update	08/05/2022
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	05/08/2023

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

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

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