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

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

RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	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				

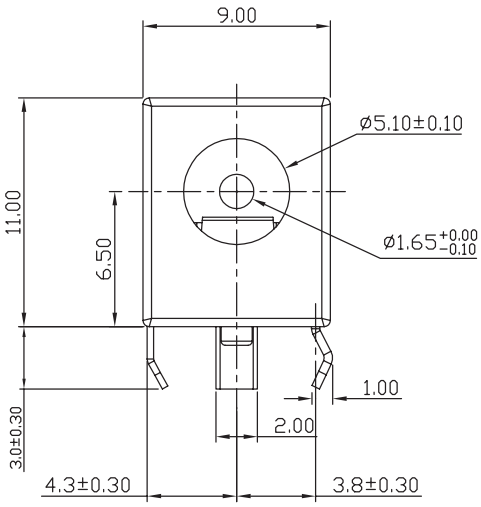
SOLDERABILITY

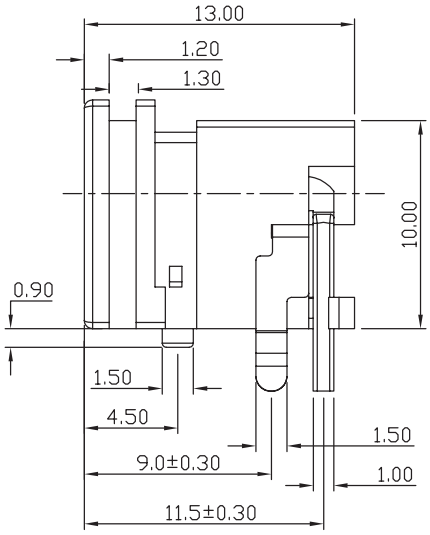
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

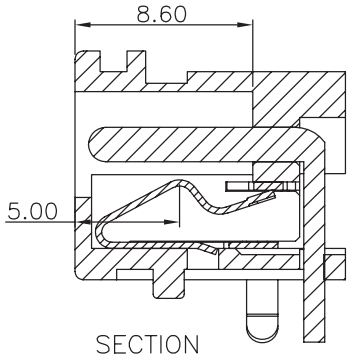
MECHANICAL DRAWING

units: mm
tolerance:
X. ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0 .10 mm
PCB: ±0.05 mm
unless otherwise specified

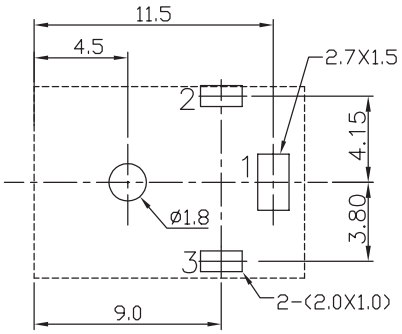
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass	nickel
terminal 2	bronze t=0.30	silver
terminal 3	brass t=0.40	silver
housing	PBT (UL94V-0)	black



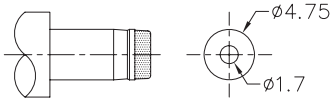




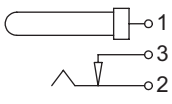
SECTION



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.6 mm

SCHEMATIC	
Model	PJ1-021
Center Pin	Ø1.65 mm

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
1.07	CUI Devices rebranded to Same Sky	09/12/2024
1.08	modified housing mold	11/05/2024

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

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