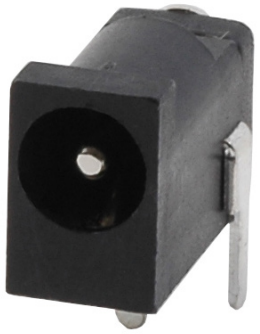
CUDEVICES

MODEL: PJ-031CH | **DESCRIPTION:** DC POWER JACK

FEATURES

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



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				3.5	A
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand				500	Vac
insertion/withdrawal force		0.3		2	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

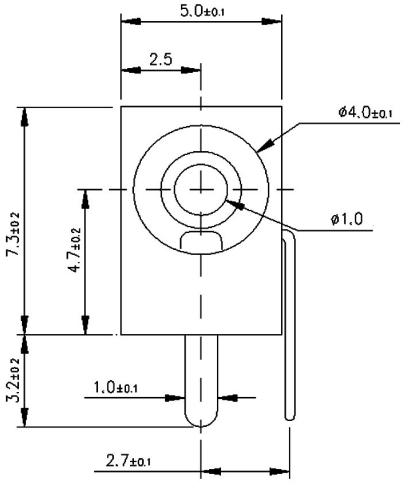
SOLDERABILITY

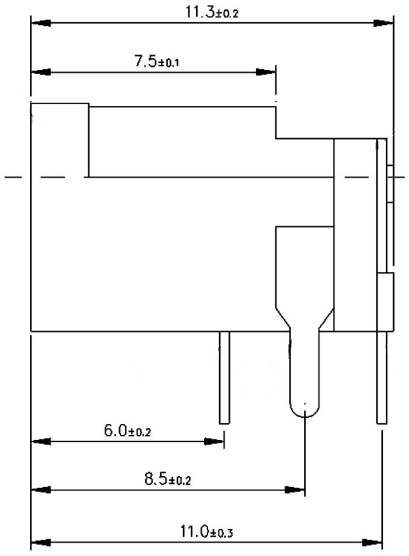
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

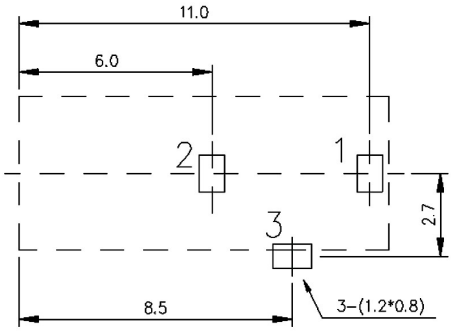
MECHANICAL DRAWING

units: mm
tolerance:
X. ±0.15 mm
X.X ±0.10 mm
X.XX ±0.05 mm
PCB: ±0.05 mm
unless otherwise specified

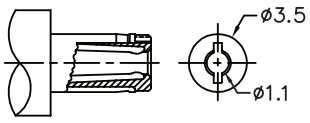
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	silver
terminal 1	brass t=0.50	silver
terminal 2	MM alloy t=0.20	silver
terminal 3	brass t=0.50	silver
housing	PA10T (UL94V-0)	black



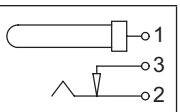




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 7.0 mm

SCHEMATIC	
Model	PJ-031CH
Center Pin	Ø1.0 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	06/30/2015
1.02	increased voltage rating	04/08/2016
1.03	brand update	10/23/2019
1.04	logo, datasheet style update	08/05/2022
1.05	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.

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

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