


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

FEATURES

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


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				

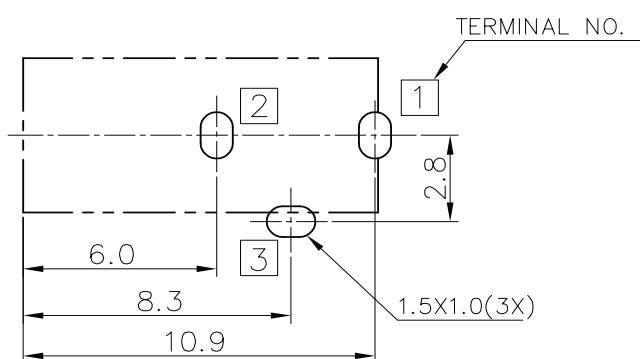
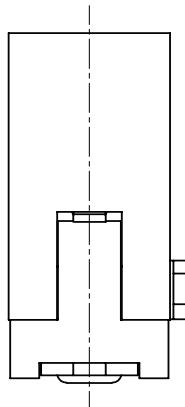
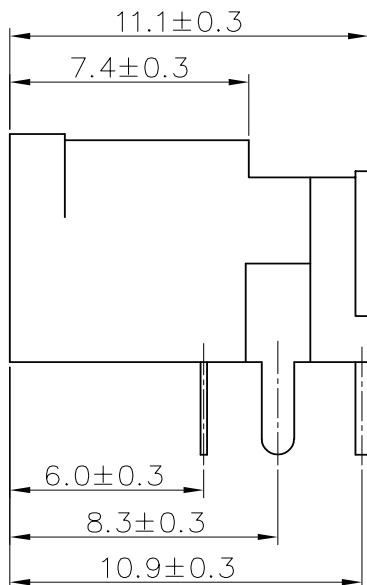
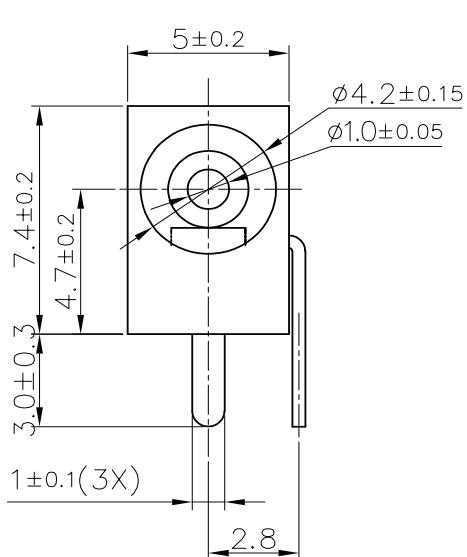
SOLDERABILITY

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

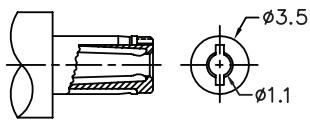
MECHANICAL DRAWING

units: mm
 tolerance:
 $X.X \pm 0.50$ mm
 $X.XX \pm 0.30$ mm
 $X.XXX \pm 0.15$ mm
 PCB: ± 0.05 mm
 unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	CuSn
terminal 1	brass t=0.40	silver
terminal 2	stainless steel t=0.20	silver
terminal 3	brass t=0.40	silver
housing	PA10T [UL94V-0]	black



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 6.2 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
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	04/24/2024
1.07	CUI Devices rebranded to Same Sky	09/12/2024

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