

date 10/11/2023 **page** 1 of 4

MODEL: PJ-083H | DESCRIPTION: DC POWER JACK

FEATURES

- 1.65 mm center pin
- 5 A rating
- shielded
- through hole
- 1 switch





SPECIFICATIONS

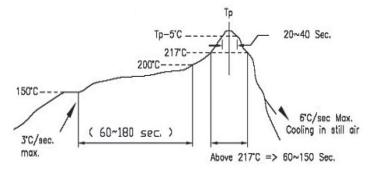
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	А
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.5		2	kg
operating temperature		-25		85	°C
life	at a rate of 10~20 cycles	5,000		cycles	
flammability rating	UL94V-O				
RoHS	Ves				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	10~30°C, <70% humidity				°C
reflow soldering ¹	see reflow profile	255	260		°C
drying conditions ²	parts in reel: bake at 110°C for 4 hours parts removed from reel: bake at 110°C for 4 hours				

Note:

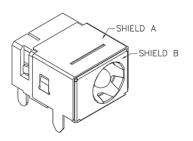
- 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
- 2. When exceeding floor life by >240 hours.



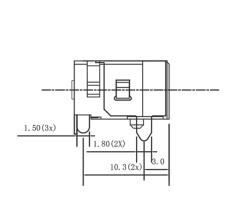
- * Time 25°C to Peak Temp. --- 8 Minutes Max.
- * Time within 5°C of Actual Peak Temp. -- 20~40 Seconds

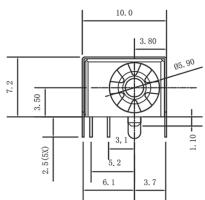
MECHANICAL DRAWING

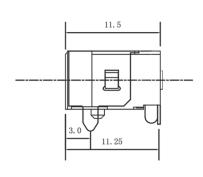
units: mm tolerance: X.X ±0.20 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

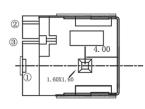


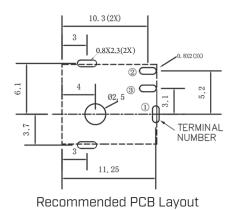
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	brass	silver
terminal 3	brass	silver
shield A	brass	nickel
shield B	stainless steel	
insulator	PA10T (UL94V-0)	

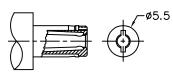












MATING PLUG Jack Insertion Depth: 8.2 mm

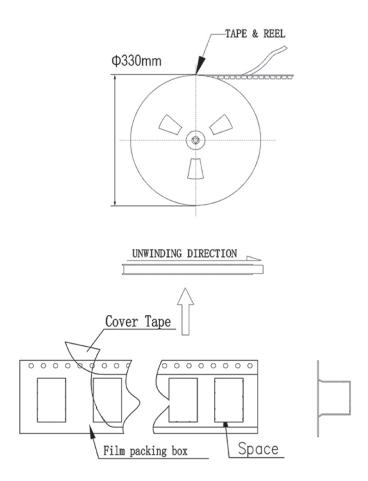
SCHEMATIC	01
Model	PJ-083H
Center Pin	Ø1.65 mm

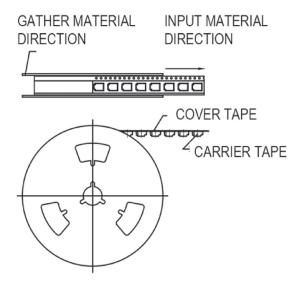
Top View

PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 400 pcs per reel





REVISION HISTORY

rev.	description	date
1.0	initial release	12/12/2018
1.01	brand update	10/25/2019
1.02	logo, datasheet style update	08/05/2022
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	10/11/2023

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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