

date 08/05/2022

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# MODEL: PJ-098H | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- 6.5 A rating
- shielded
- · through hole
- gold plated
- · 3 conductor
- signal pin





### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current	power pin signal pin			6.5 1.0	A A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	$m\Omega$
insulation resistance	at 500 Vdc between adjacent contacts	100			МΩ
voltage withstand	for 1 minute, 0.5 mA between adjacent contacts			500	Vac
nsertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

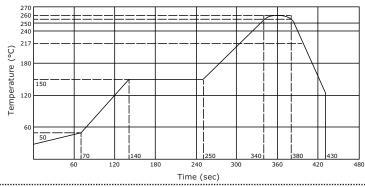
Note:

### **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>3</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>4</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

- 3. It is recommended to reflow sorder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.

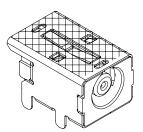
  4. When exceeding floor life by >72 hours.



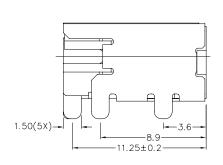
When measured at a current of Jess than 100 mA/1 kHz
 All specifications measured at 10, 35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

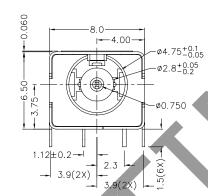
## **MECHANICAL DRAWING**

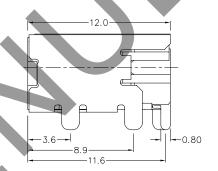
units: mm tolerance: X.X ±0.2 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

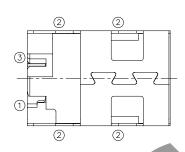


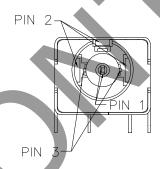
	MATERIAL	PLATING
terminal 1	copper alloy	gold flashed
terminal 2	copper alloy	nickel
terminal 3	copper alloy	gold flashed
mylar	polymide	
insulator	PA10T	

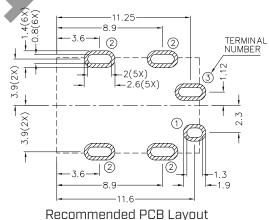












Top View

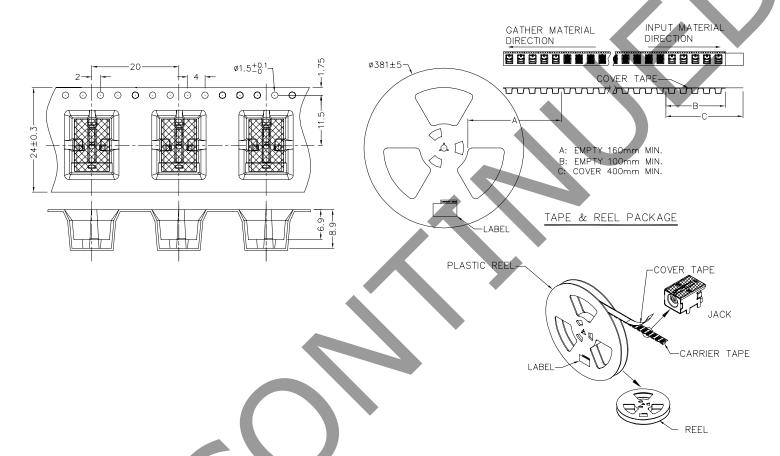
3 0 0 0

MATING PLUG Jack Insertion Depth: 8 mm

SCHEMATIC	√ 3(V+)
Model	PJ-098H
terminal 1	signal pin
terminal 2	outer sleeve
terminal 3	inner sleeve

units: mm

Reel Size: Ø381 mm Reel QTY: 500 pcs per reel



## **REVISION HISTORY**

rev.	description	date
1.0	initial release	12/17/2018
1.01	brand update	11/06/2019
1.02	logo, datasheet style update	08/05/2022

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





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