

Additional Resources: Product Page

date 08/05/2022

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MODEL: PJ-084BH | DESCRIPTION: DC POWER JACK

FEATURES

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





SPECIFICATIONS

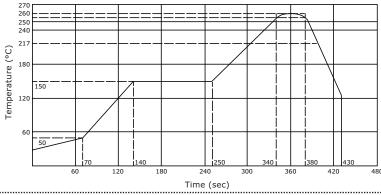
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	А
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	$m\Omega$
insulation resistance	at 500 Vdc between adjacent contacts	100			МΩ
voltage withstand	for 1 minute, 0.5 mA between adjacent contacts			500	Vac
insertion/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				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	255	260	265	°C
drying conditions ⁴	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				

Note:

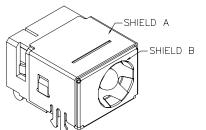
It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. When exceeding floor life by >72 hours.



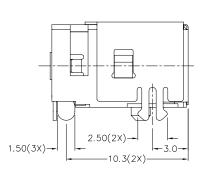
When measured at a current of less than 100 mA/1 kHz
All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

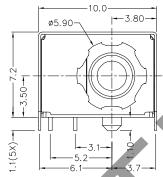
MECHANICAL DRAWING

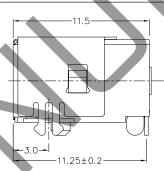
units: mm tolerance: X.X ±0.2 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

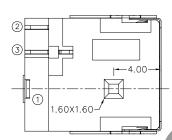


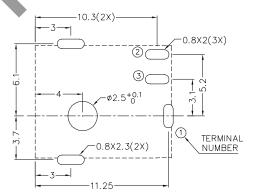
	MATERIAL	PLATING	
center pin	copper	nickel	
terminal 1	brass	silver	
terminal 2	copper alloy	silver	
terminal 3	brass	silver	
shield A	brass	nickel	
shield B	stainless steel		
insulator	PA10T		











Recommended PCB Layout Top View



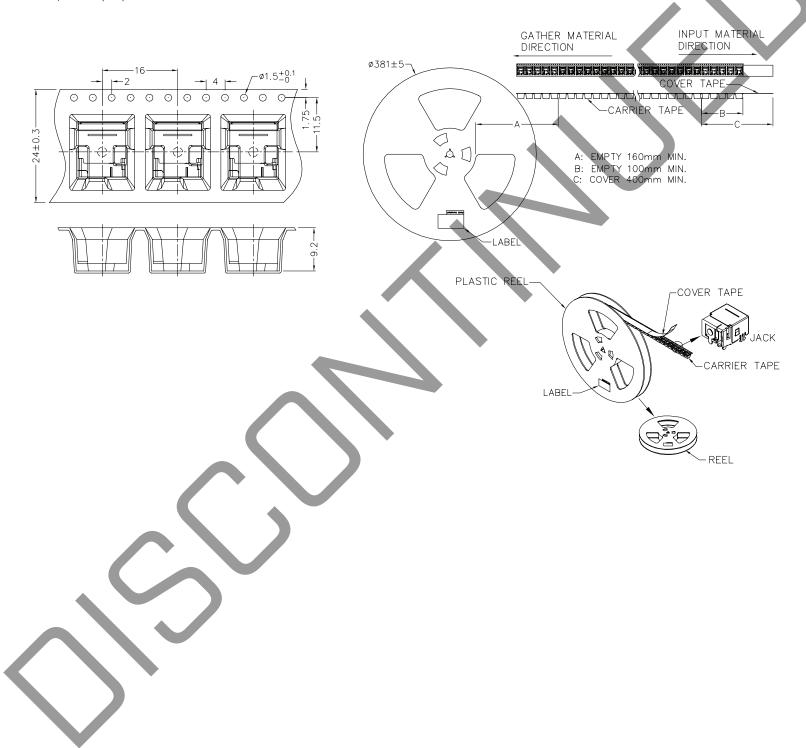
MA	TING PLL	JG 🗼	
Jack Inser	tion Deptl	h: 8.2 mm	

SCHEMATIC	01
Model	PJ-084BH
Center Pin	Ø2.5 mm

PACKAGING

units: mm

Reel Size: Ø381 mm Reel QTY: 600 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

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





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