

Additional Resources: Product Page

date 08/05/2022

page 1 of 4

MODEL: PJ-085BH | 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	mΩ
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
ife	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-Q				
RoHS	yes				

SOLDERABILITY

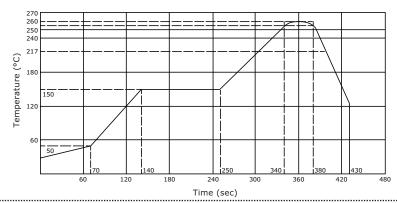
parameter		conditions/description	min	typ	max	units
reel storage	7	at relative humidity <80%			40	°C
reflow soldering ³		see reflow profile	255	260	265	°C
		narts in reel: hake at 40°C +5°C for 72 hours				

drying conditions⁴

parts removed from reel: bake at 40°C ±5°C for 10 hours

3. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C 8 relative humidity <60%.

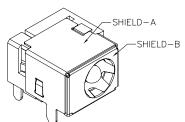
4. When exceeding floor life by >72 hours.



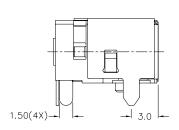
When measured at a current of less than 190 mA/1 kHz
 All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

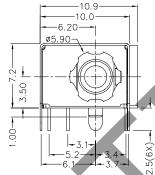
MECHANICAL DRAWING

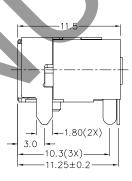
units: mm tolerance: X.X ±0.2 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

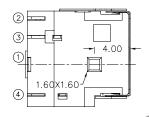


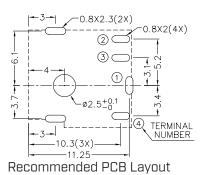
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
terminal 4	copper alloy	silver
shield A	brass	nickel
shield B	stainless steel	
insulator	PA10T	



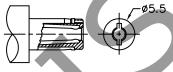








Top View



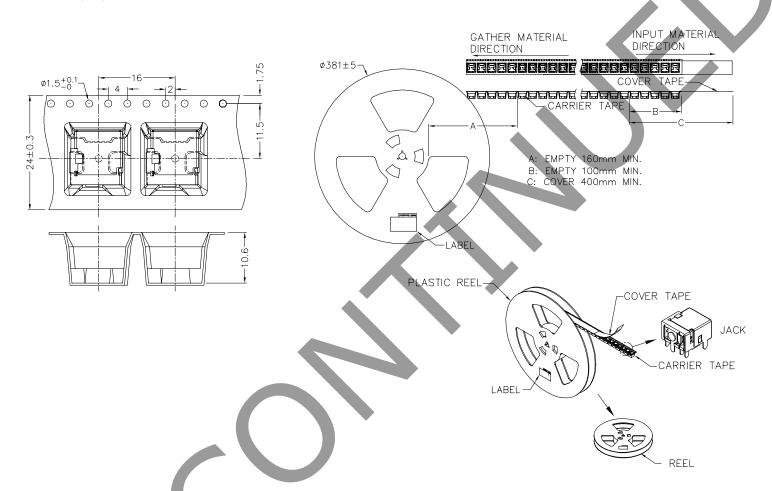
MATING PLUG	
Jack Insertion Depth: 8	.2 mm

SCHEMATIC	- 1 - 4 - 3 - 2
Model	PJ-085BH
Center Pin	Ø2.5 mm

PACKAGING

units: mm

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



REVISION HISTORY

rev.	description	date
1.0	initial release	12/13/2018
1.01	brand update	10/31/2019
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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