

date 08/05/2022

page 1 of 4

# MODEL: PJ-089BH-MSMT-TR | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- 2.5 mm center pin
- 5 A rating
- shielded
- · mid surface mount
- 1 switch





#### **SPECIFICATIONS**

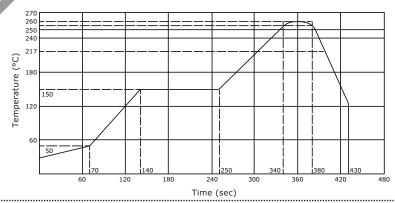
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current			-	5.0	А
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	$m\Omega$
insulation resistance	at 500 Vdc between adjacent contacts	100			МΩ
voltage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

Note:

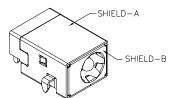
It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. When exceeding floor life by >72 hours.



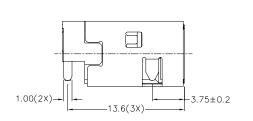
When measured at a current of less than 100 mA/1 kHz
All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

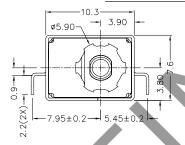
#### **MECHANICAL DRAWING**

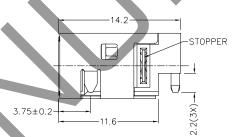
units: mm tolerance: X.X ±0.2 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

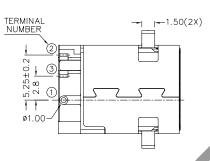


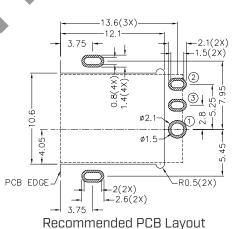
	MATERIAL	PLATING	
center pin	brass	silver	
terminal 1	brass	silver	
terminal 2	copper alloy	silver	
terminal 3	brass	silver	
stopper	C.R. steel	nickel	
shield A	brass	nickel	
shield B	stainless steel		
insulator	PA10T		











Top View

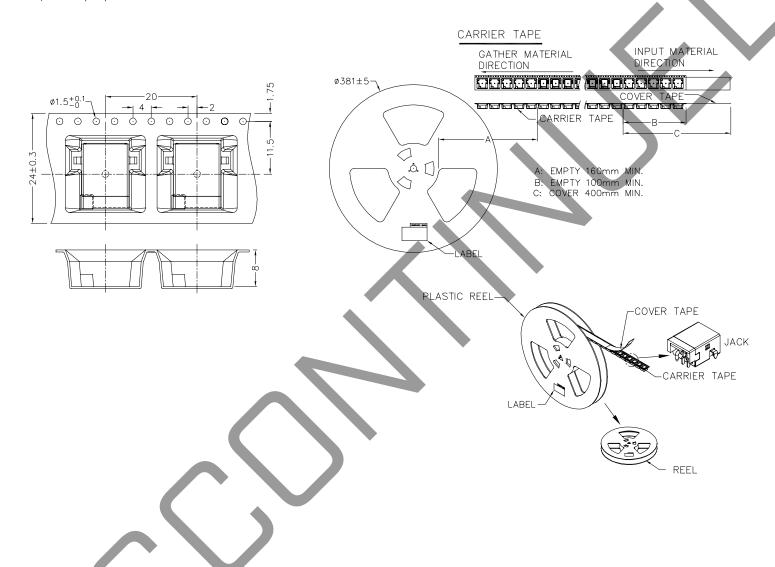


SCHEMATIC	03
Model	PJ-089BH-MSMT
Center Pin	Ø2.5 mm

#### **PACKAGING**

units: mm

Reel Size: Ø381 mm Reel QTY: 550 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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