

date 12/13/2018

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MODEL: PJ-089AH-MSMT-TR **DESCRIPTION:** DC POWER JACK

FEATURES

- 2.0 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 ¹	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc between adjacent contacts	100			MΩ
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				

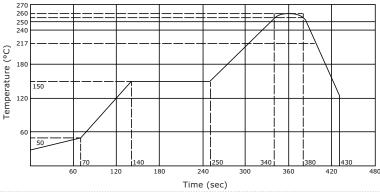
- 1. When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at $10\sim35^{\circ}$ C, humidity at $45\sim85\%$, under standard atmospheric pressure, unless otherwise noted.

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 $\pm 5^{\circ}$ C for 72 hours parts removed from reel: bake at 40° C $\pm 5^{\circ}$ C for 10 hours				

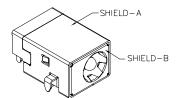
Note:

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

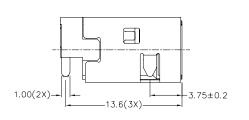


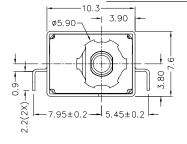
MECHANICAL DRAWING

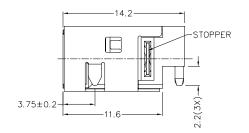
units: mm tolerance: $X.X \pm 0.2 mm$ $X.XX \pm 0.10 mm$ $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

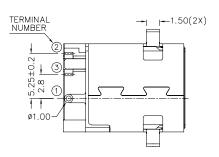


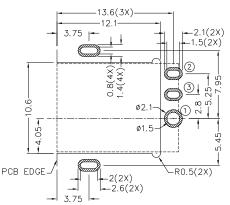
	MATERIAL	PLATING
center pin	brass	silver
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
stopper	C.R. steel	nickel
shield A	brass	nickel
shield B	stainless steel	
insulator	PA10T	



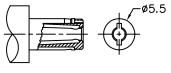








Recommended PCB Layout Top View



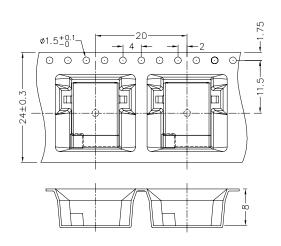
MATING PLUG Jack Insertion Depth: 8.5 mm

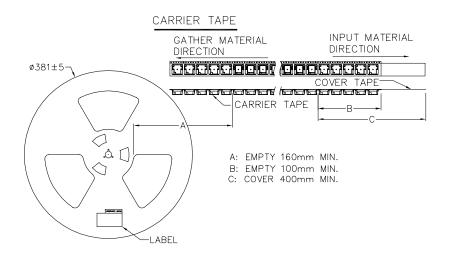
SCHEMATIC	01
Model	PJ-089AH-MSMT
Center Pin	Ø2.0 mm

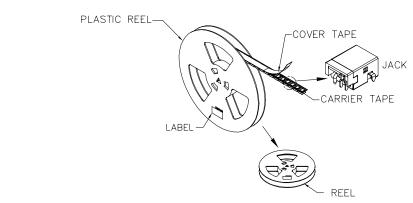
PACKAGING

units: mm

Reel Size: Ø381 mm Reel QTY: 550 pcs per reel







REVISION HISTORY

rev.	description	date
1.0	initial release	12/13/2018

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



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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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