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MODEL: PJ-038-SMT-TR **DESCRIPTION:** DC POWER JACK

FEATURES

- 0.65mm center pin
- 1.0 A rating
- right angle orientation
- surface mount (SMT)
- shielded





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				1.0	А
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	for 1 minute			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	2011/65/EU				

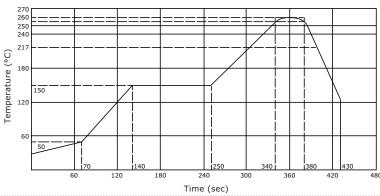
- 1. When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at $10\sim35^{\circ}$ C, humidity at $45\sim85\%$, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

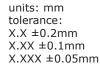
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	255	260	265	°C
drying conditions ⁴	parts in reel: bake at 40° C $\pm 5^{\circ}$ C for 72 hours parts removed from reel: bake at 40° C $\pm 5^{\circ}$ C for 10 hours				

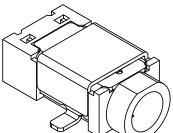
Note:

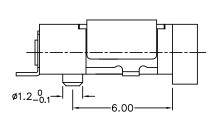
- 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
- 4. When exceeding floor life by >72 hours.

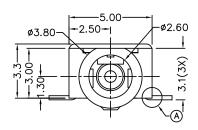


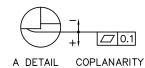
MECHANICAL DRAWING



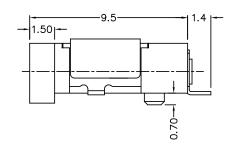


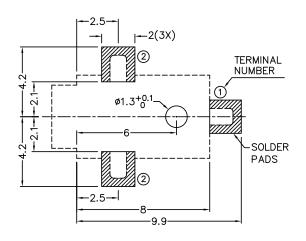




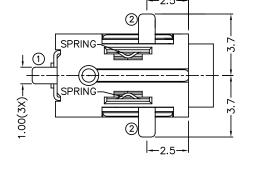


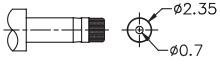






RECOMMENDED PCB LAYOUT TOLERANCE: ±0.05 (TOP VIEW)





MATING PLUG Jack Insertion Depth: 7.7mm

SCHEMATIC	
Model	PJ-038-SMT-TR
Center Pin	Ø0.65 mm

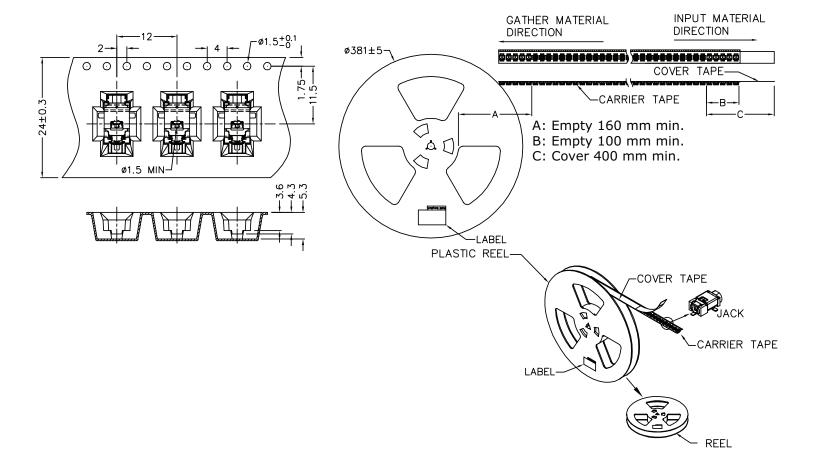
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PACKAGING

units: mm

Reel Size: Ø381 mm

Reel QTY: 1,200 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	02/02/2007
1.01	added TR package option and jack insertion depth	11/07/2012
1.02	applied new spec template	08/28/2013
1.03	increased voltage rating	04/14/2016
1.04	changed housing, added storage and drying conditions, and tape and reel packaging details	01/03/2018

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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