

MODEL: PJ-039-SMT | **DESCRIPTION:** DC POWER JACK**FEATURES**

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

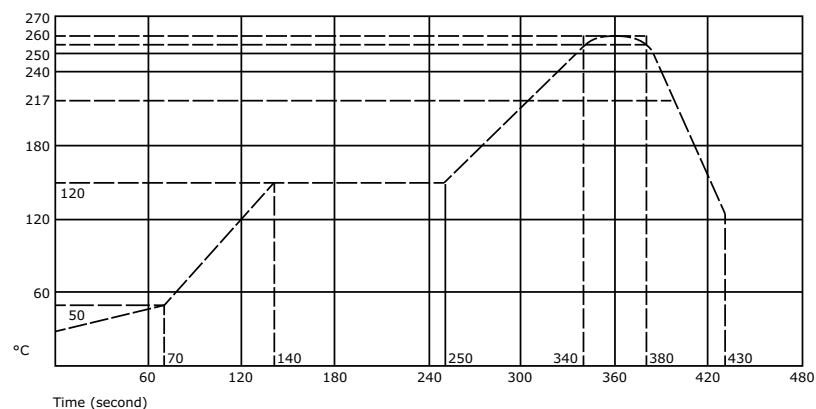
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			16		Vdc
rated input current				1.0	A
contact resistance ¹	between terminal and mating plug			50	mΩ
	between terminal in a closed circuit			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

Notes: 1. When measured at a current of less than 100 mA/1 kHz
 2. Add suffix "-TR" to the model number for tape & reel packaging

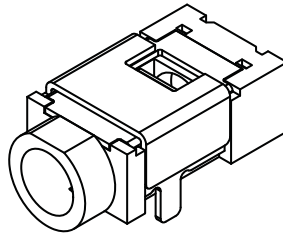
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile	255	260	265	°C

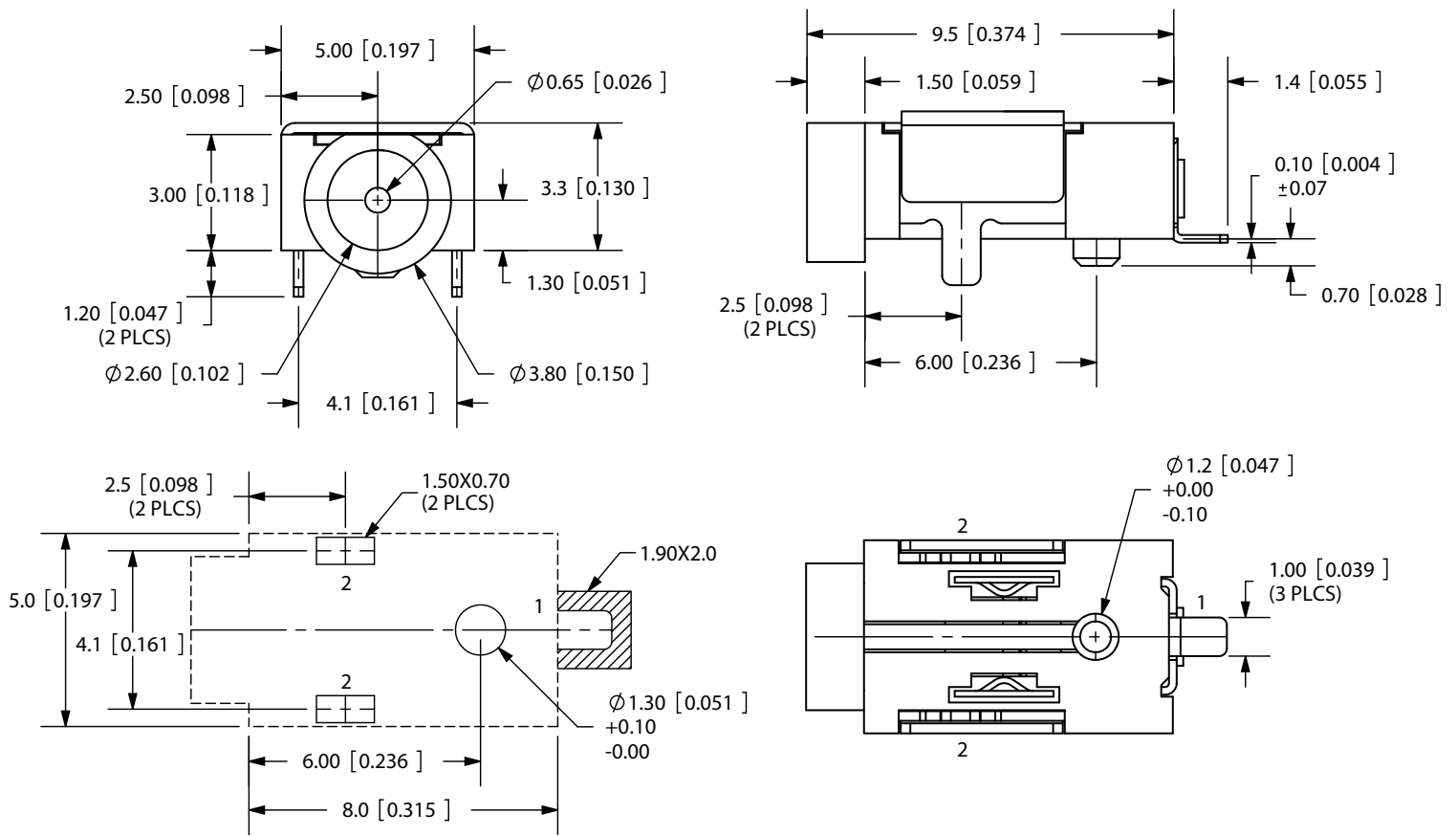


MECHANICAL DRAWING

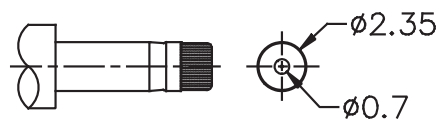
units: mm[inches]
tolerance:
X.X $\pm 0.2\text{mm}$
X.XX $\pm 0.1\text{mm}$
X.XXX $\pm 0.05\text{mm}$



	MATERIAL	PLATING
center pin	copper	nickel plated
terminal 1	brass	silver plated
terminal 2	copper alloy	silver plated
shield	brass	nickel plated
spring	stainless steel	
plastic	PA6T	



PCB LAYOUT
TOP VIEW



MATING PLUG
Jack Insertion Depth: 7.7mm

SCHEMATIC	
Model	PJ-039-SMT
Center Pin	Ø0.65 mm

Note: All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

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

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



CUI INC®

Headquarters
20050 SW 112th Ave.
Tualatin, OR 97062
800.275.4899

Fax 503.612.2383
cui.com
techsupport@cui.com

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