

SERIES: SJ-3502-SMT | DESCRIPTION: MID MOUNT POWER JACK**FEATURES**

- mid mount for low profile applications
- shielded
- no internal switches

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current			1		A
contact resistance	between terminal and mating plug after life test, between terminal and mating plug between terminal in a closed circuit ¹ after life test, between terminal in a closed circuit ¹	50 100 30 60		mΩ mΩ mΩ mΩ	
insulation resistance	at 500 Vdc at 500 Vdc, after environmental tests	100 50			MΩ MΩ
voltage withstand	at 50/60Hz for 1 minute		500		Vac
insertion/withdrawl force	after life test	0.3 0.2	3 2		kg kg
terminal strength	any direction for 10 seconds		500		g
operating temperature		-25		85	°C

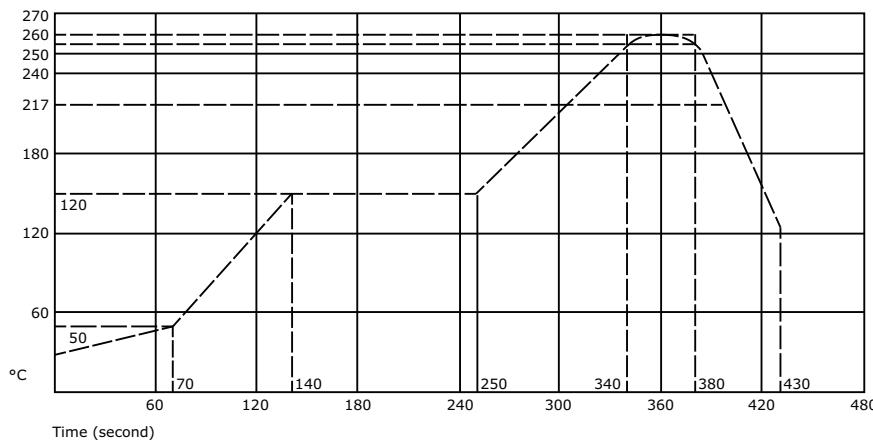
Notes: 1. When measured at a current of less than 100 mA / 1 kHz

TESTING

parameter	conditions/description	min	typ	max	units
solderability	95% solder coverage on lead, neutral flux, 2 sec.	250	255	260	°C
reflow soldering	see graph				
life	at 24 insertion/withdrawl cycles per minute		5,000		cycles
heat	the relative test before and after testing should comply with the Insulation Resistance section	83 96	85 50	87 96	°C %RH hours
cold	the relative test before and after testing should comply with the Insulation Resistance section	33	35 96	37	°C hours
humidity	the relative test before and after testing should comply with the Insulation Resistance section	38 90	40 96	42 95	°C hours %RH

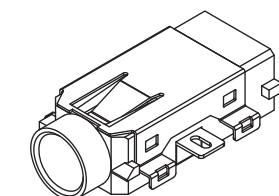
Notes: All measurements and test shall be made at a temperature 10°C to 35°C with a relative humidity of 45% RH to 85% RH under the standard atmospheric pressure unless otherwise specified.

REFLOW SOLDERING

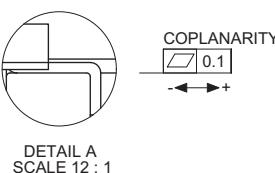
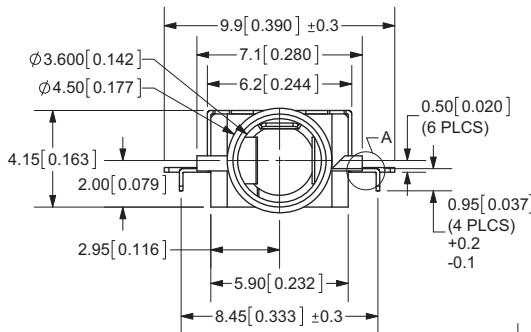
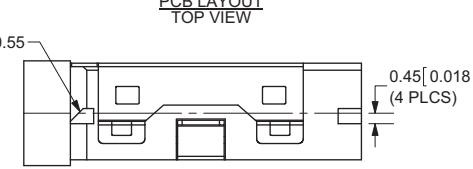
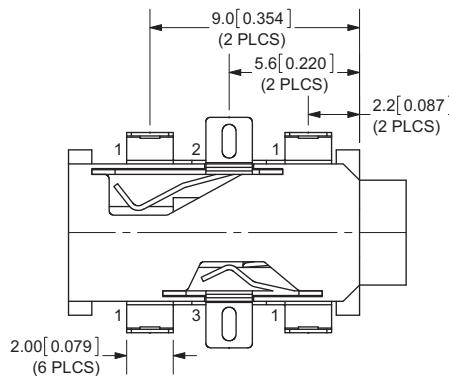
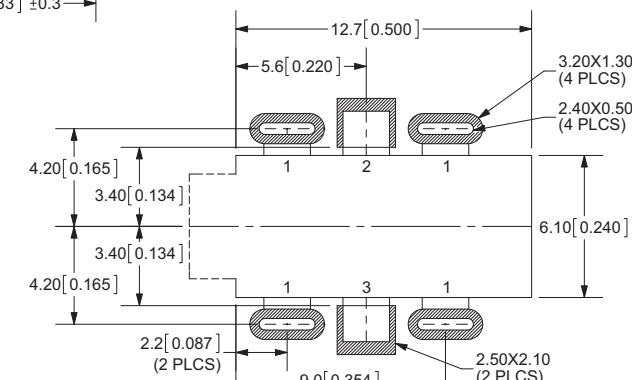
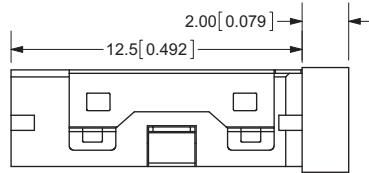


MECHANICAL DRAWING

units: mm[inches]



MODEL NO.	SJ-3502-SMT
SCHEMATIC	

DETAIL A
SCALE 12 : 1

REVISION HISTORY

rev.	description	date
1.0	initial release	06/28/2011

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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