

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

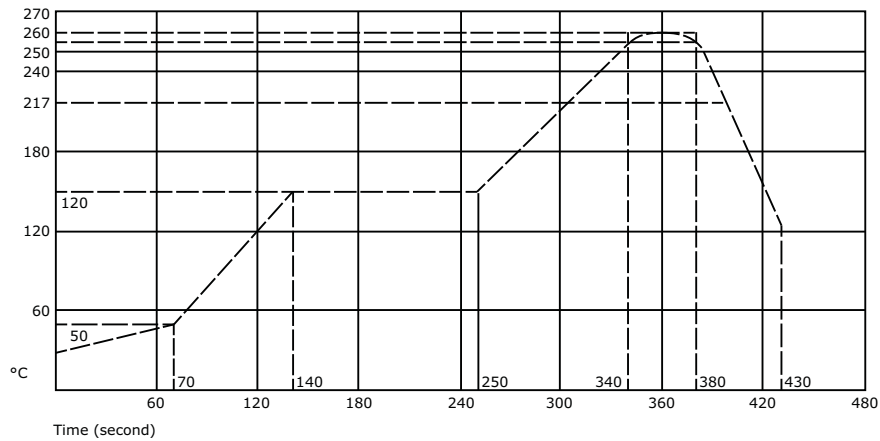
Notes: 1. When measured at a current of less than 100 mA / 1 kHz

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	85	87	°C
			96	50	%RH hours
cold	the relative test before and after testing should comply with the Insulation Resistance section	33	35	37	°C
			96		hours
humidity	the relative test before and after testing should comply with the Insulation Resistance section	38	40	42	°C
			96		hours %RH
		90		95	

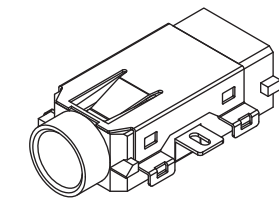
Notes: All measurements and test shall be made at a temperature 10°C to 35°C with a relative humidity of 45% RH to 85% RH under the standard atmospheric pressure unless otherwise specified.

REFLOW SOLDERING

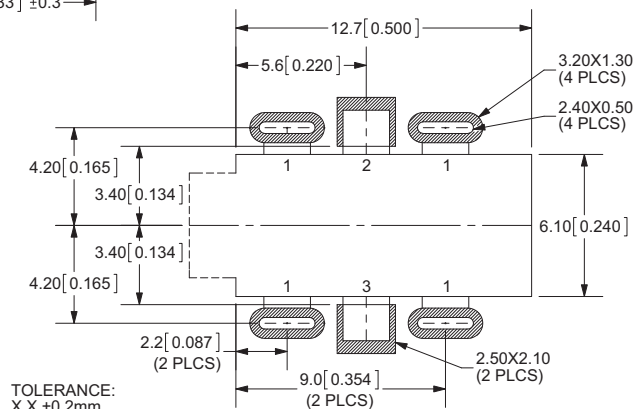
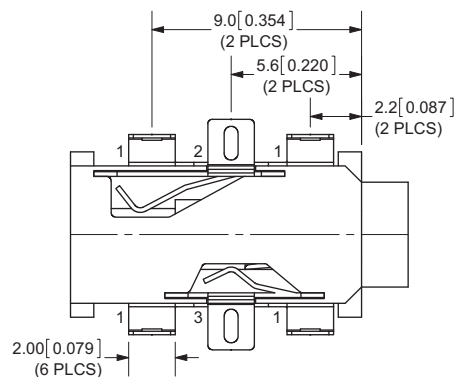
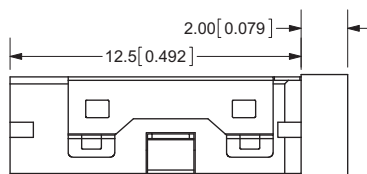
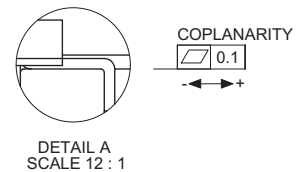
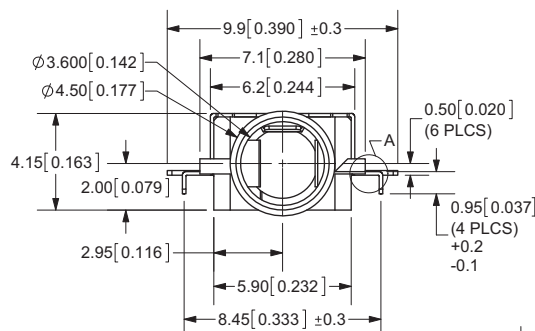


MECHANICAL DRAWING

units: mm[inches]

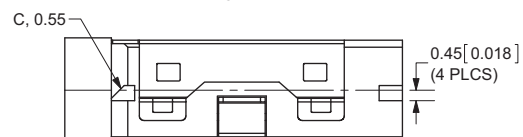


MODEL NO.	SJ-3502-SMT
SCHEMATIC	



TOLERANCE:
 X.X ±0.2mm
 X.XX ±0.1mm
 X.XXX ±0.05mm

PCB LAYOUT
 TOP VIEW



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.



CUI INC[®]

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

Fax 503.612.2383
cui.com
techsupport@cui.com

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

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.