

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[CUI Inc.](#)
[SJ-3502-SMT-TR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



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

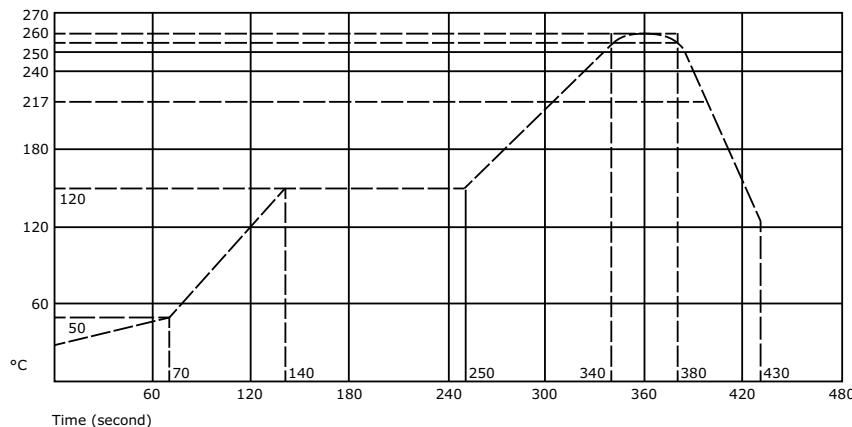
Notes: 1. When measured at a current of less than 100 mA / 1 kHz

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 50	°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 95	42	°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.

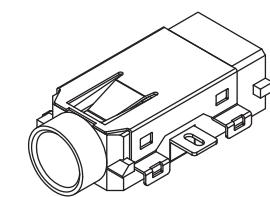
REFLOW SOLDERING



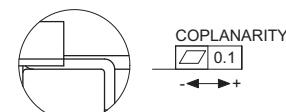
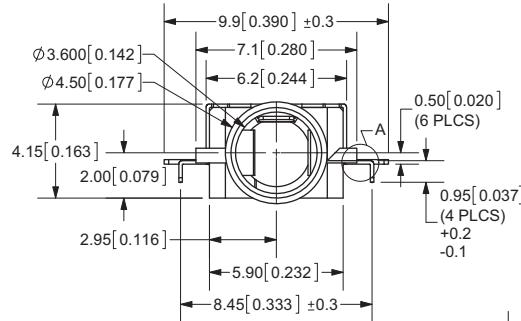
MECHANICAL DRAWING

units: mm[inches]

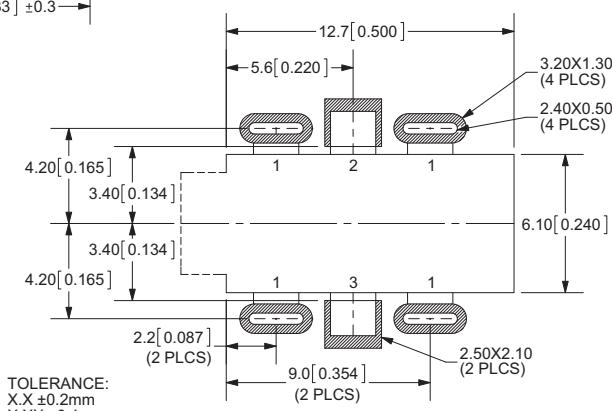
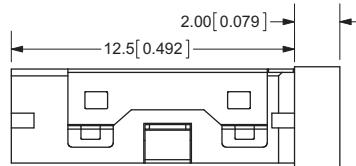
	MATERIAL	PLATING
terminal 1	stainless steel	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
plastic	PA6T	



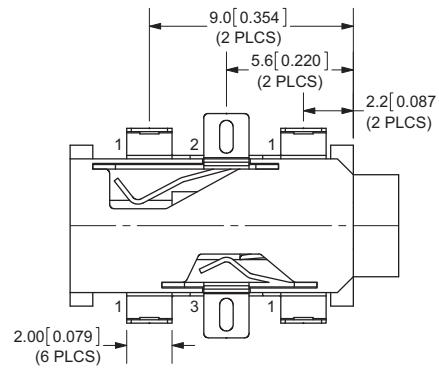
MODEL NO.	SJ-3502-SMT
SCHEMATIC	



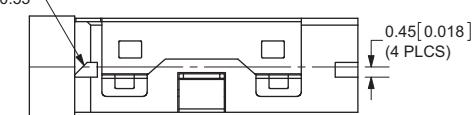
DETAIL A
SCALE 12 : 1



PCB LAYOUT
TOP VIEW



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



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.



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.