SERIES: MJ-3536NG | **DESCRIPTION:** MID MOUNT POWER JACK

FEATURES

- isolated ground pin
- internal tip switch



RoHS

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

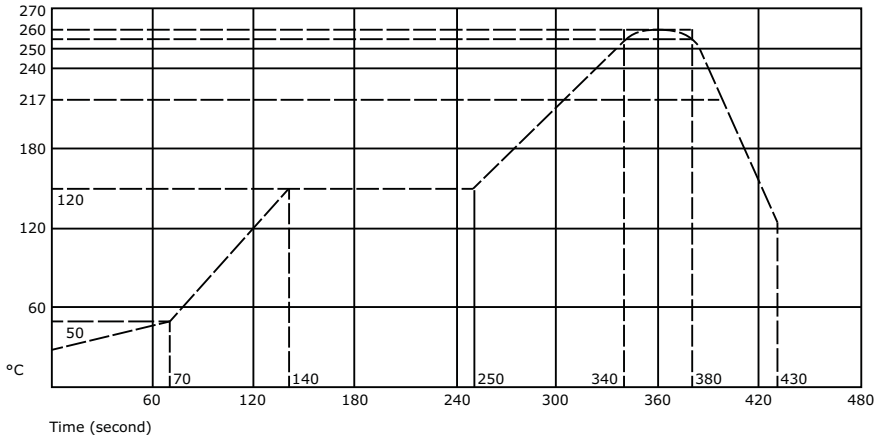
Notes: 1. When measured at a current of less than 100 mA / 1 kHz

TESTING

parameter	conditions/description	min	typ	max	units
solderability	95% solder coverage on lead, neutral flux, 2 sec.	235	240	245	°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	83	85	87	°C
	comply with the Insulation Resistance section			50	%RH
			96		hours
cold	the relative test before and after testing should	-33	-35	-37	°C
	comply with the Insulation Resistance section		96		hours
humidity	the relative test before and after testing should	38	40	42	°C
	comply with the Insulation Resistance section		96		hours
		90		95	%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.

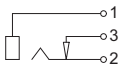
REFLOW SOLDERING

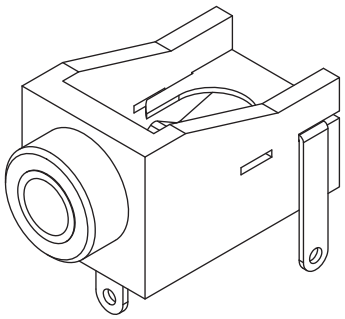


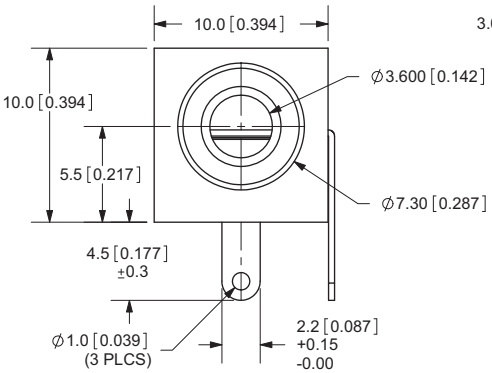
MECHANICAL DRAWING

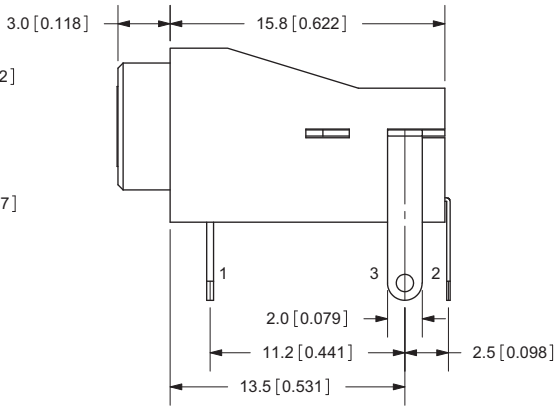
units: mm[inches]
tolerance:
X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm

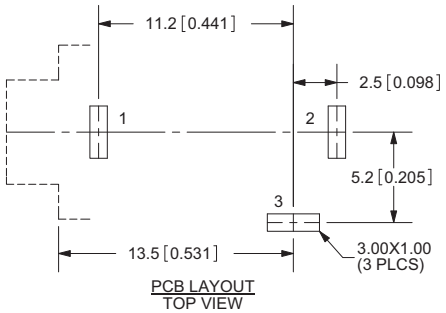
	MATERIAL	PLATING
plastic	PBT	
bushing	brass	nickel
terminal 1	brass	Tin
terminal 2	copper alloy	Tin
terminal 3	brass	Tin

MODEL NO.	MJ-3536NG
SCHEMATIC	









REVISION HISTORY

rev.	description	date
1.0	initial release	07/29/2011

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

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ООО «НИОКР СИТЕМС»
Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в

Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709