CUI DEVICES

MODEL: PJ-007 | DESCRIPTION: DC POWER JACK

FEATURES
- PCB mount
- tapered PC pins
- non-shielded



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			16		Vdc
rated input current				2	A
contact resistance[1]	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute, at 0.5 mA			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

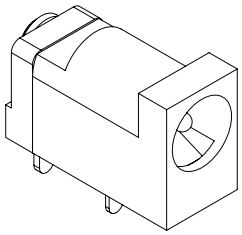
Notes:
1. When measured at a current of less than 100 mA / 1 kHz.
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

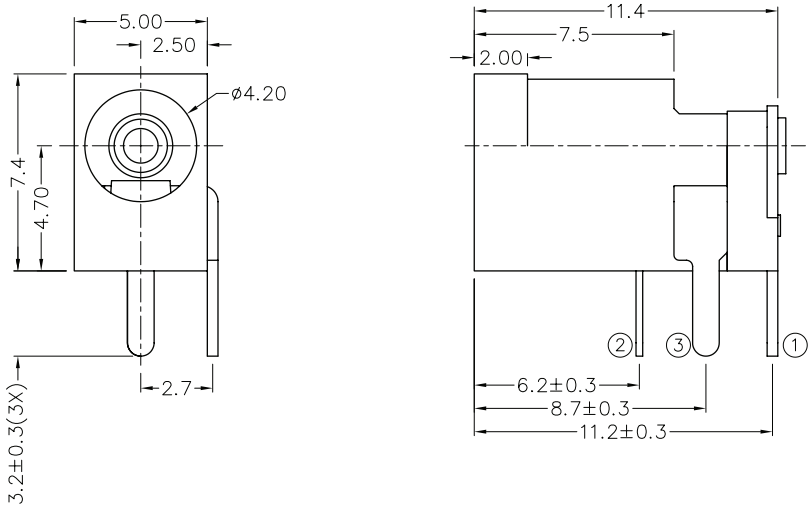
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

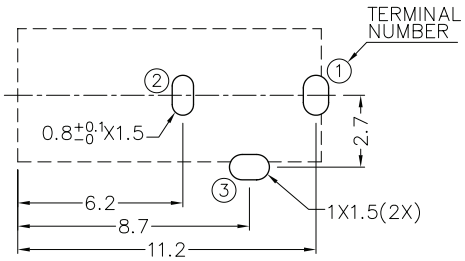
MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm

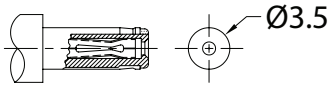


	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver over nickel
terminal 2	copper alloy	silver over nickel
terminal 3	brass	silver over nickel
plastic	PBT	

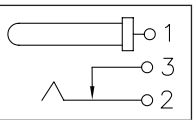




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 6.6 mm

SCHEMATIC	
Model	PJ-007
Center Pin	Ø1.30 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	04/17/2006
1.01	applied new template	02/13/2012
1.02	brand update	04/02/2020
1.03	updated housing mold, changed terminal plating	07/01/2020

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

CUI DEVICES

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

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

CUI Devices 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.

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