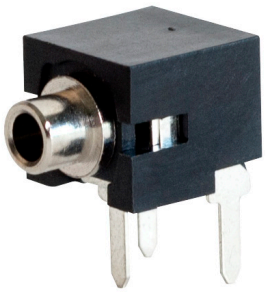
CUDEVICES

MODEL: MJ-2506N | **DESCRIPTION:** AUDIO JACK

FEATURES

- through hole design
- internal tip switch



RoHS

SPECIFICATIONS

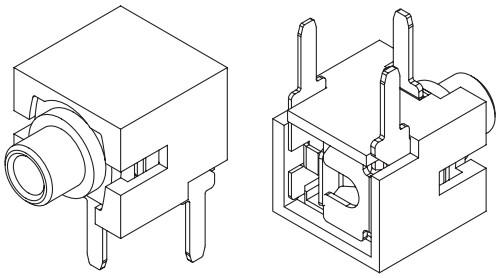
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

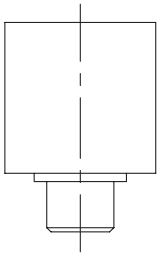
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5±5 seconds	255	260	265	°C

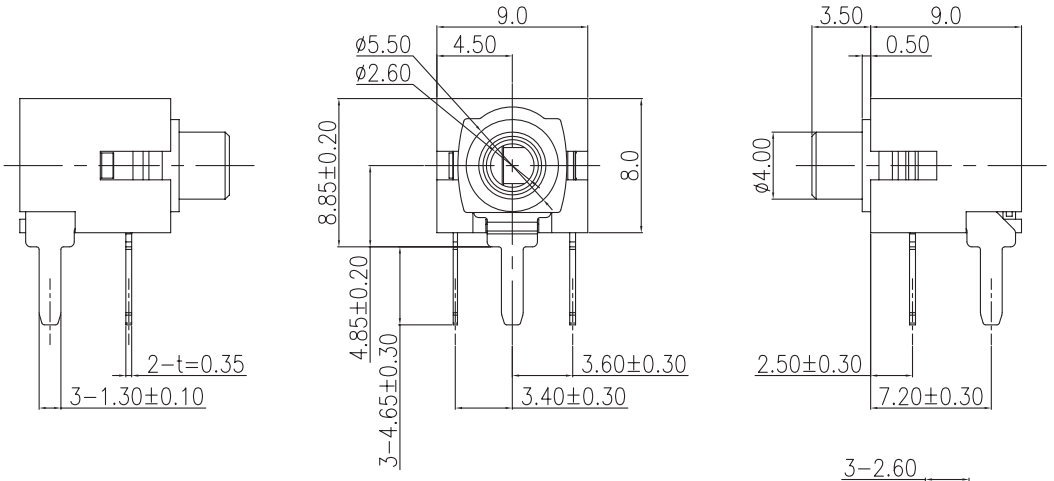
MECHANICAL DRAWING

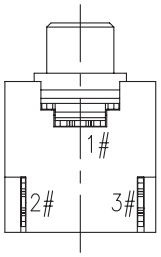
units: mm
tolerance:
X. ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

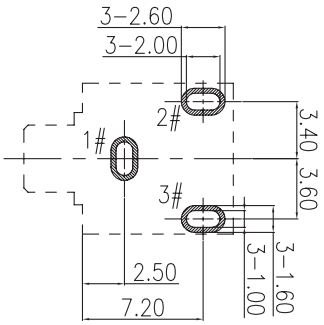


DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass t=0.35 mm	tin
terminal 2	phosphor copper t=0.25 mm	tin
terminal 3	brass t=0.35 mm	tin
bushing	copper alloy	nickel
housing	PBT (UL94V-0)	black

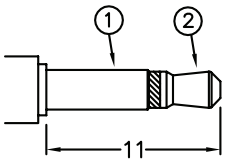




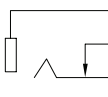




Recommended PCB Layout
Top View



Ø2.5 MATING PLUG

Model No.	MJ-2506N
Schematic	
PIN	
1	sleeve
2	tip
3	tip switch

REVISION HISTORY

rev.	description	date
1.0	initial release	11/01/2005
1.01	updated datasheet	09/12/2018
1.02	brand update	10/04/2019
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	07/26/2023

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

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

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