# **CUI** DEVICES

date 04/01/2020

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MODEL: MJ-3502N | DESCRIPTION: AUDIO JACK

#### **FEATURES**

- 3.5 mm mono jack
- through hole
- flashed bushing





### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance <sup>1</sup>				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion force		0.4		2	kgf
withdrawal force		0.3		2	kgf
operating temperature		-25		70	°C
storage temperature		-25		70	°C
life			5,000		cycles
flammability rating	see material table for details				
RoHS	yes				

## **SOLDERABILITY**

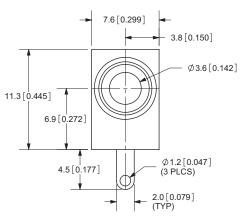
parameter	conditions/description	min	typ	max	units
hand soldering	for 3~5 seconds		360		°C

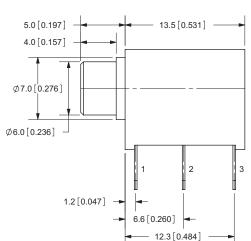
<sup>1.</sup> When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at  $10\sim35^{\circ}$ C, humidity at  $45\sim85\%$ , under standard atmospheric pressure, unless otherwise noted.

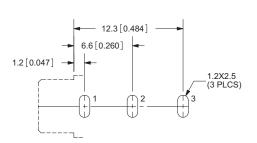
## **MECHANICAL DRAWING**

units: mm[inch] tolerance: ±0.3 mm	^

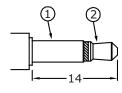
	MATERIAL	PLATING
terminal 1	brass	silver
terminal 2	phosphor bronze	silver
terminal 3	brass	silver
barrel	brass	nickel
housing	POM (UL94V-0)	black
cover	PC (UL94V-2)	transparent







Recommended PCB Layout Top View



Ø3.5 MATING PLUG

Model No.	MJ-3502N	
Schematic	° 1	
PIN		
1	sleeve	
2	tip	
3	tip switch	

Additional Resources: Product Page | 3D Model | PCB Footprint

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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	07/06/2007
1.01	brand update	04/01/2020

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.

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