

**MODEL:** MJ1-2502 | **DESCRIPTION:** AUDIO JACK**FEATURES**

- 2.5 mm mono jack
- right angle
- threaded bushing

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance <sup>1</sup>	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			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
RoHS	yes				

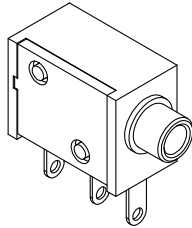
Note: 1. When measured at a current of less than 100 mA/1 kHz  
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

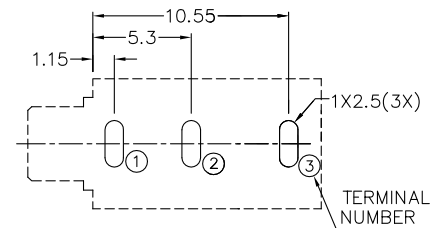
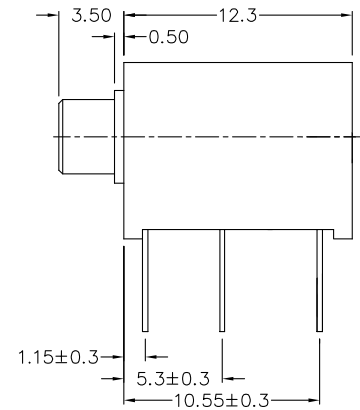
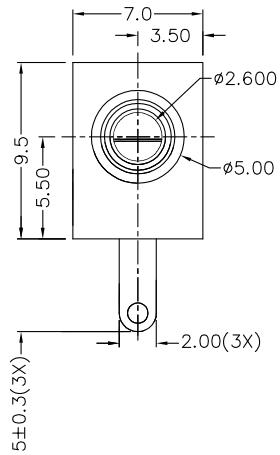
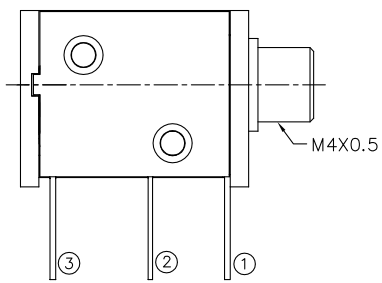
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

## MECHANICAL DRAWING

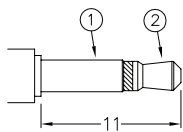
units: mm  
 tolerance:  
 X.X ±0.2 mm  
 X.XX ±0.1 mm  
 X.XXX ±0.05 mm  
 PCB: ±0.05 mm



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



Recommended PCB Layout  
Top View



Ø2.5 MATING PLUG

Model No.	MJ1-2502
Schematic	
PIN	
1	sleeve
2	tip
3	tip switch

## REVISION HISTORY

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rev.	description	date
1.0	initial release	06/24/2009
1.01	brand update	04/06/2020

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

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