

MODEL: SJ1-2503A | **DESCRIPTION:** AUDIO JACK**FEATURES**

- through hole design
- low profile

**SPECIFICATIONS**

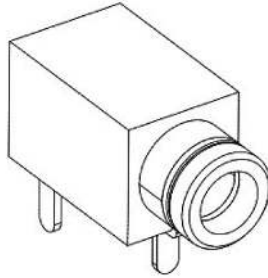
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

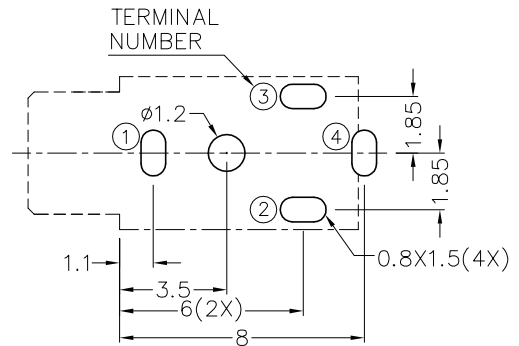
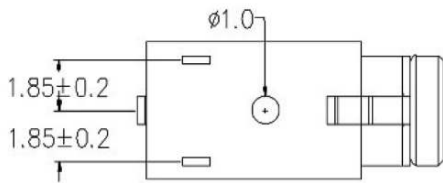
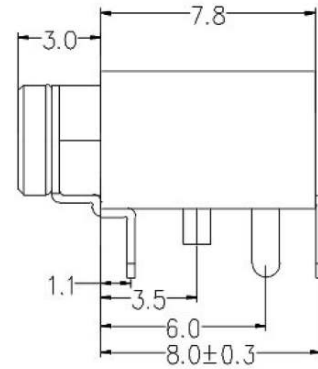
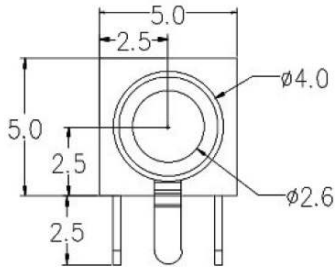
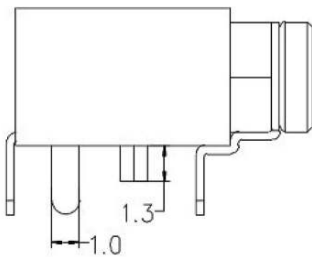
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

MECHANICAL DRAWING

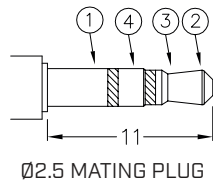
units: mm
 tolerance:
 X.X ± 0.20 mm
 X.XX ± 0.10 mm
 X.XXX ± 0.05 mm
 unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
bushing	brass	nickel
housing	PBT (UL94V-0)	black



Recommended PCB Layout
Top View



Model No.	SJ1-2503A
Schematic	
PIN	
1	sleeve
2	tip
3	tip
4	ring

REVISION HISTORY

rev.	description	date
1.0	initial release	10/27/2005
1.01	added dimensions	11/04/2010
1.02	changed terminal plating to silver	02/13/2019
1.03	brand update	10/03/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	07/07/2023

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



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