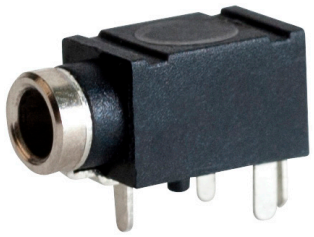
CUI DEVICES

MODEL: SJ1-2503A | DESCRIPTION: AUDIO JACK

FEATURES
- through hole design
- low profile



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance[1]	between terminal and mating plug between terminal and shunt			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	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

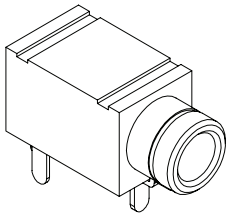
Note: 1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

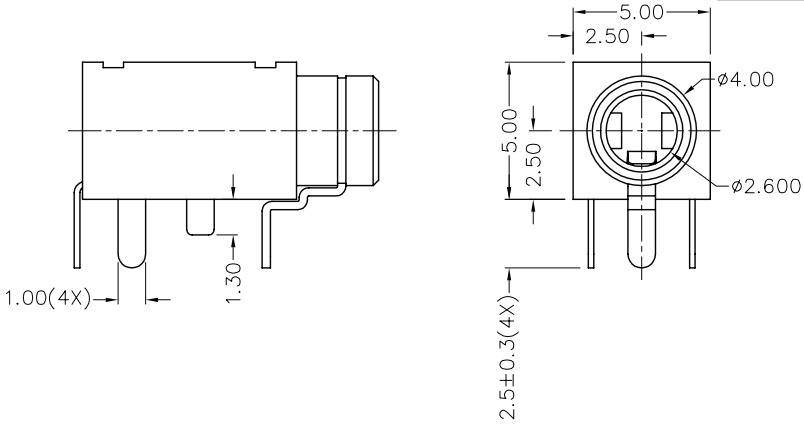
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

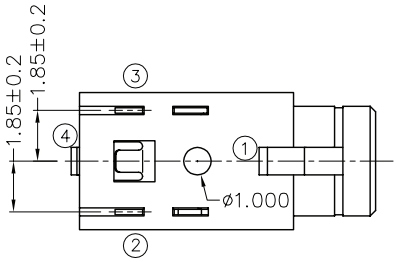
MECHANICAL DRAWING

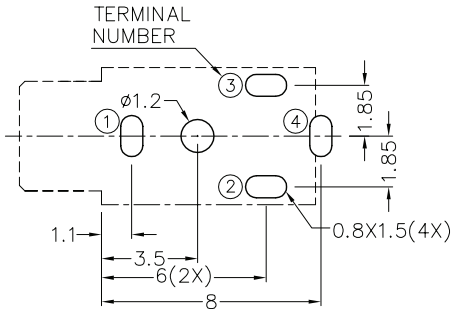
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm



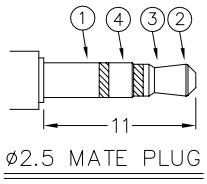
	MATERIAL	PLATING
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
bushing	brass	nickel
plastic	PBT	



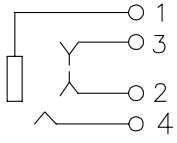




Recommended PCB Layout
Top View



ø2.5 MATE PLUG

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

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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