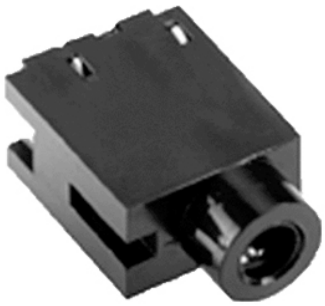
CUI Devices is now Same Sky! Learn More

MODEL: SJ-2509N | DESCRIPTION: AUDIO JACK

FEATURES

- 2.5 mm stereo
- right angle
- through hole
- 3 conductors
- 0 internal switch



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 contact between terminal and mating plug			30 50	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard jack	0.3		2	kgf
withdrawal force	when mating with a standard jack	0.3		2	kgf
operating temperature		-20		60	°C
storage temperature		-25		70	%
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

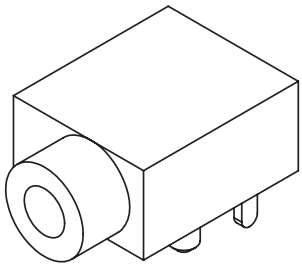
Note:
1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 5~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

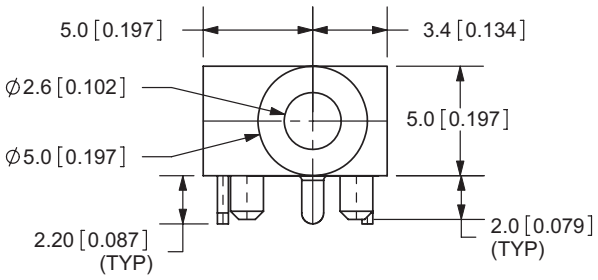
parameter	conditions/description	min	typ	max	units
wave soldering				265	°C

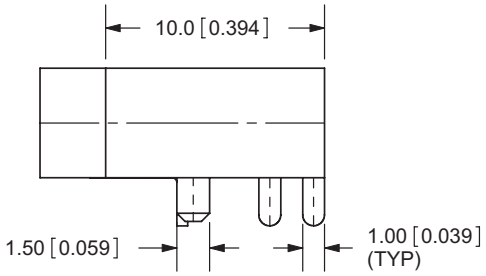
MECHANICAL DRAWING

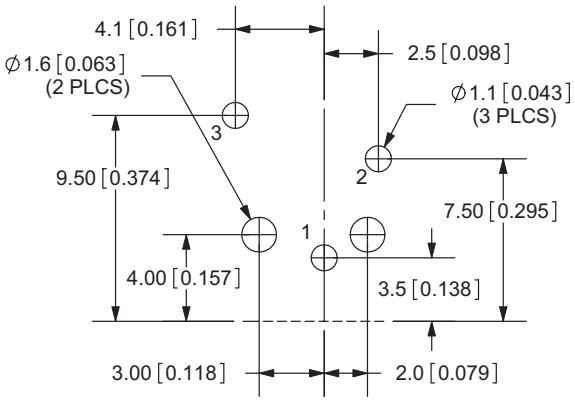
units: mm[inch]
tolerance:
X.X ±0.5 mm
X.XX ±0.3 mm
X.XXX ±0.15 mm
PCB: ±0.1 mm



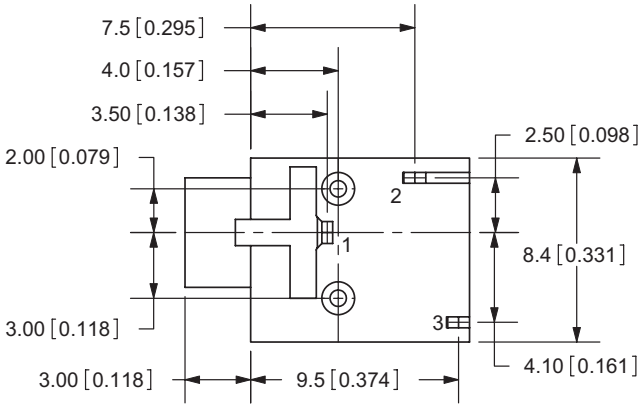
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	sleeve	PBS	matte tin
2	tip	PBS	matte tin
3	ring	PBS	matte tin
4	housing	PBT	black

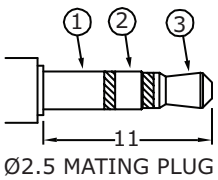




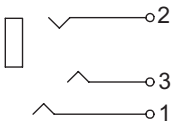


Recommended PCB Layout
Top View





Ø2.5 MATING PLUG

Schematic	
PIN	
1	sleeve
2	ring
3	tip

REVISION HISTORY

rev.	description	date
1.0	initial release	12/05/2005
1.01	added missing dimension	09/28/2009
1.02	brand update	01/20/2021
1.03	CUI Devices rebranded to Same Sky	09/12/2024

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

same sky

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

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