CUI Devices is now Same Sky! Learn More

MODEL: MJ-2508N | DESCRIPTION: AUDIO JACK

FEATURES

- 2.5 mm
- flashed bushing
- right angle

RoHS

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				

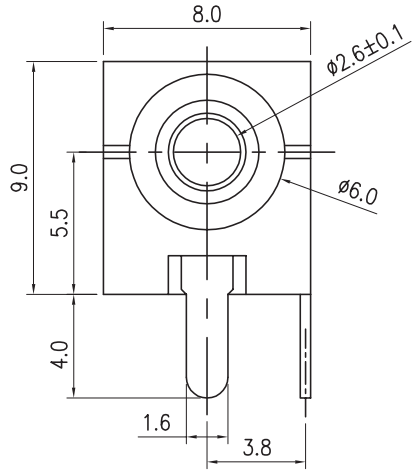
SOLDERABILITY

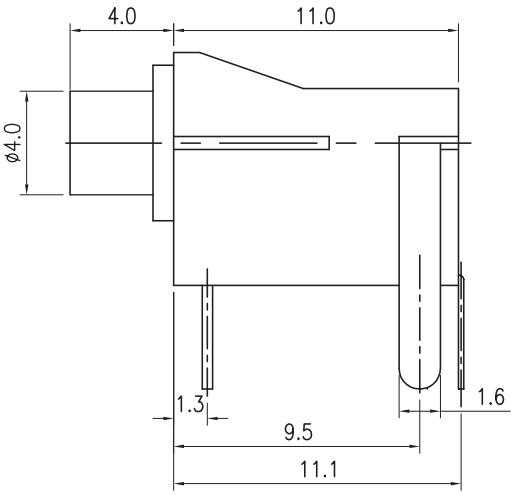
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

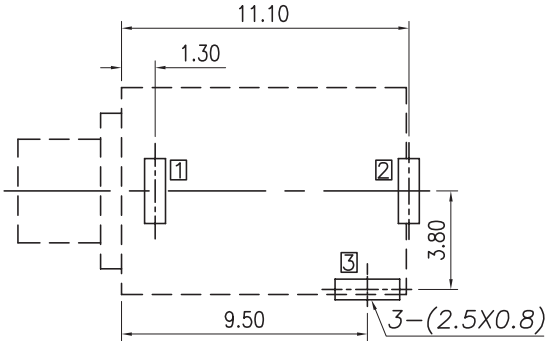
MECHANICAL DRAWING

units: mm
tolerance
X.X ±0.30 mm
X.XX ±0.25 mm
X.XXX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

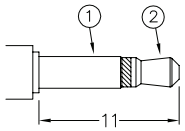
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass t-0.40	tin over nickel
terminal 2	phosphor bronze t-0.20	tin over nickel
terminal 3	brass t-0.40	tin over nickel
bushing	copper alloy	nickel
housing	PBT (UL94V-0)	black



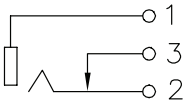




Recommended PCB Layout
Top View



Ø2.5 MATING PLUG

Model No.	MJ-2508N
Schematic	
PIN	
1	sleeve
2	tip
3	tip switch

REVISION HISTORY

rev.	description	date
1.0	initial release	11/15/2005
1.01	brand update	03/30/2020
1.02	product reengineered for improved manufacturability and production yield, see PCN for details	03/24/2023
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	07/08/2024
1.04	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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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