CUI Devices is now Same Sky! Learn More

SERIES: SJ3-3505X | DESCRIPTION: AUDIO JACK

FEATURES

- 3.5 mm audio jack
- through hole
- tray packaging
- multiple switch variations

RoHS

PART NUMBER KEY

SJ3 - 3505 X X

- Base Number
- # Conductors: 2[1] = 2, 3 = 3
- Switch Options: A = no switch, B = tip switch, D = tip & ring switch

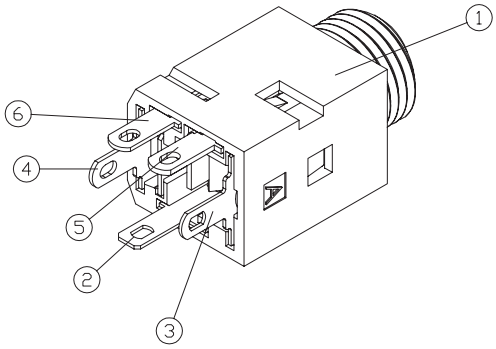
Note: 1. 2 conductor option only available with tip switch

SPECIFICATIONS

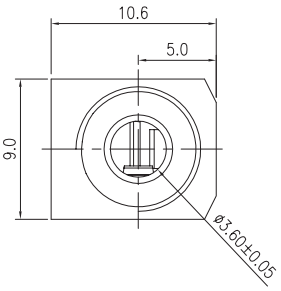
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000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

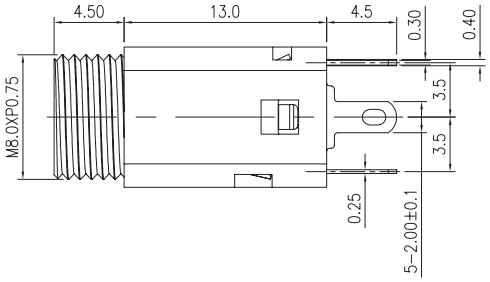
MECHANICAL DRAWING

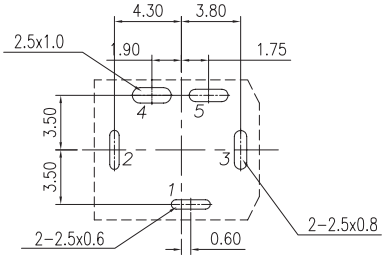
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.25 mm
X.XXX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified



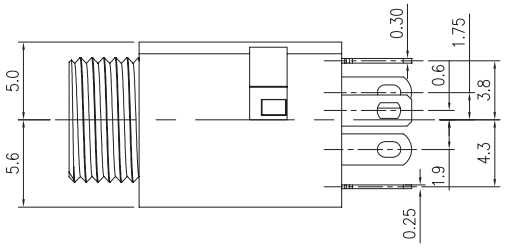
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PBT (UL94V-0)	black
2	terminal 1	phosphor bronze	silver over nickel
3	terminal 2	phosphor bronze	silver over nickel
4	terminal 3	phosphor bronze	silver over nickel
5	terminal 4	brass	silver over nickel
6	terminal 5	brass	silver over nickel

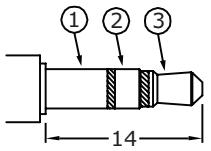




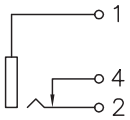
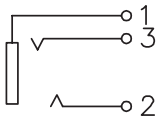
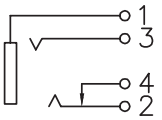
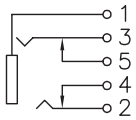


Recommended PCB Layout
Top View





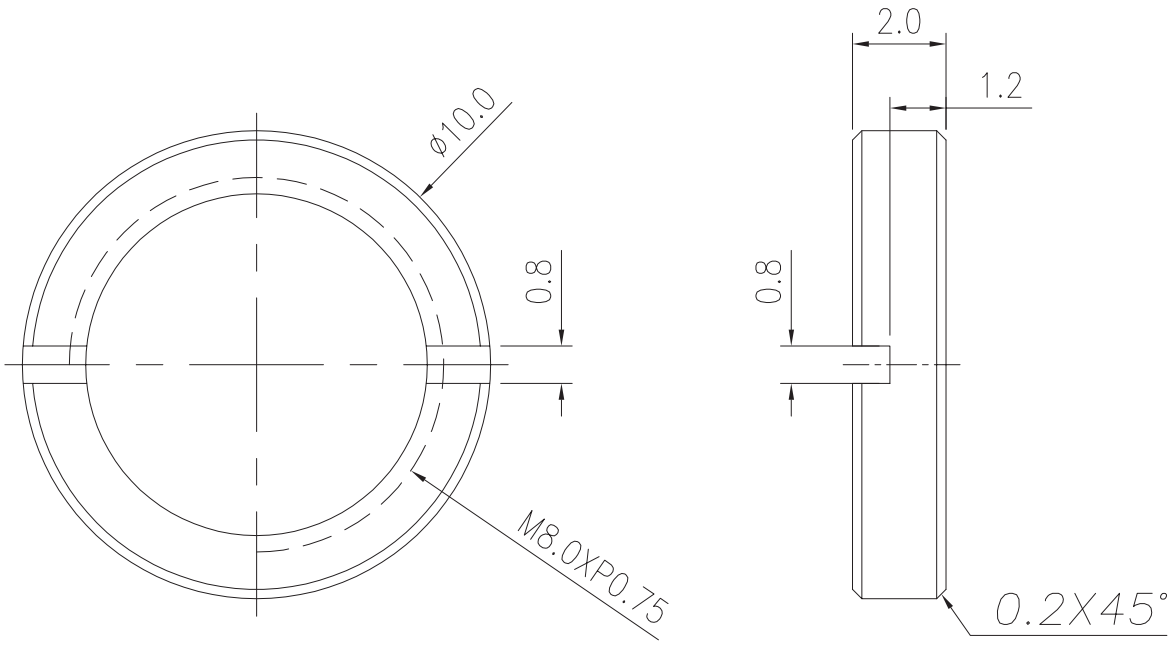
Ø3.5 MATING PLUG

Model No.	SJ3-35052B	SJ3-35053A	SJ3-35053B	SJ3-35053D
Schematic				
PIN				
1	sleeve	sleeve	sleeve	sleeve
2	tip	tip	tip	tip
3	NP	ring	ring	ring
4	tip switch	NP	tip switch	tip switch
5	NP	NP	NP	ring switch

MECHANICAL DRAWING (CONTINUED)

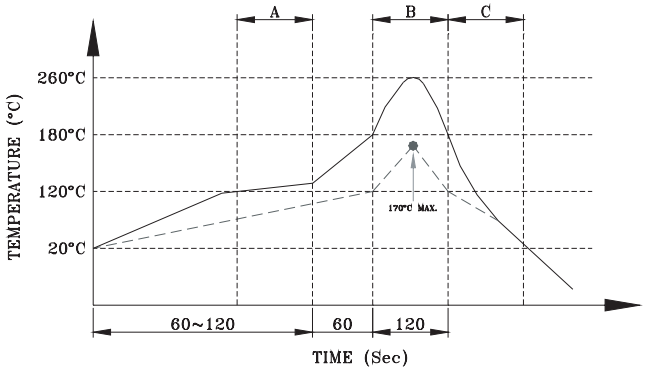
units: mm
tolerance: ±0.3 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
nut	copper alloy	nickel



SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	for max 5 seconds	255	260	265	°C



A. Preheating
B. Soldering
C. Cooling

——— Pin Temperature
– – – – Component Temperature

REVISION HISTORY

rev.	description	date
1.0	initial release	06/12/2024
1.01	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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