CUI Devices is now Same Sky! Learn More

SERIES: SJ1-353X | DESCRIPTION: AUDIO JACK

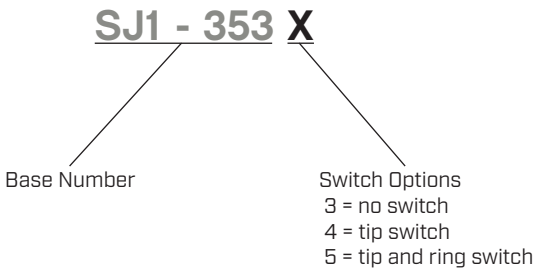
FEATURES

- low profile design
- threaded with nut
- switch options include:
  - no switch
  - tip switch
  - tip and ring switch



RoHS

PART NUMBER KEY



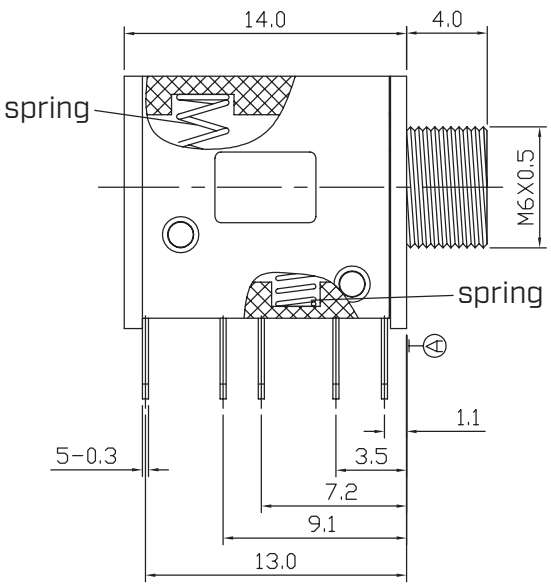
SPECIFICATIONS

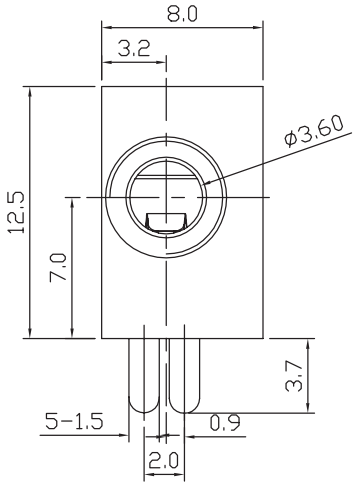
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal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

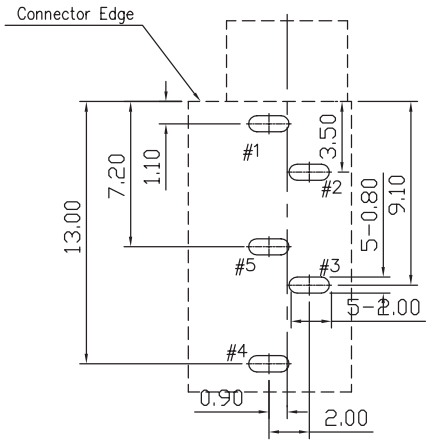
MECHANICAL DRAWING

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

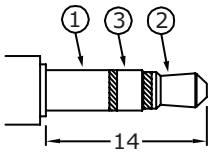
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass t=0.30	silver
terminal 2	brass t=0.30	silver
terminal 3	brass t=0.30	silver
terminal 4	brass t=0.30	silver
terminal 5	brass t=0.30	silver
springs	stainless steel	
bushing	copper alloy (H59)	nickel
housing	PBT (UL94V-0)	black
cover	PBT (UL94V-0)	black



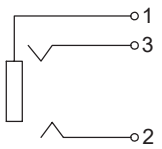
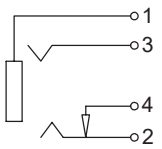
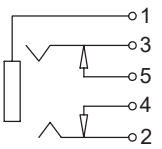




Recommended PCB Layout
Top View



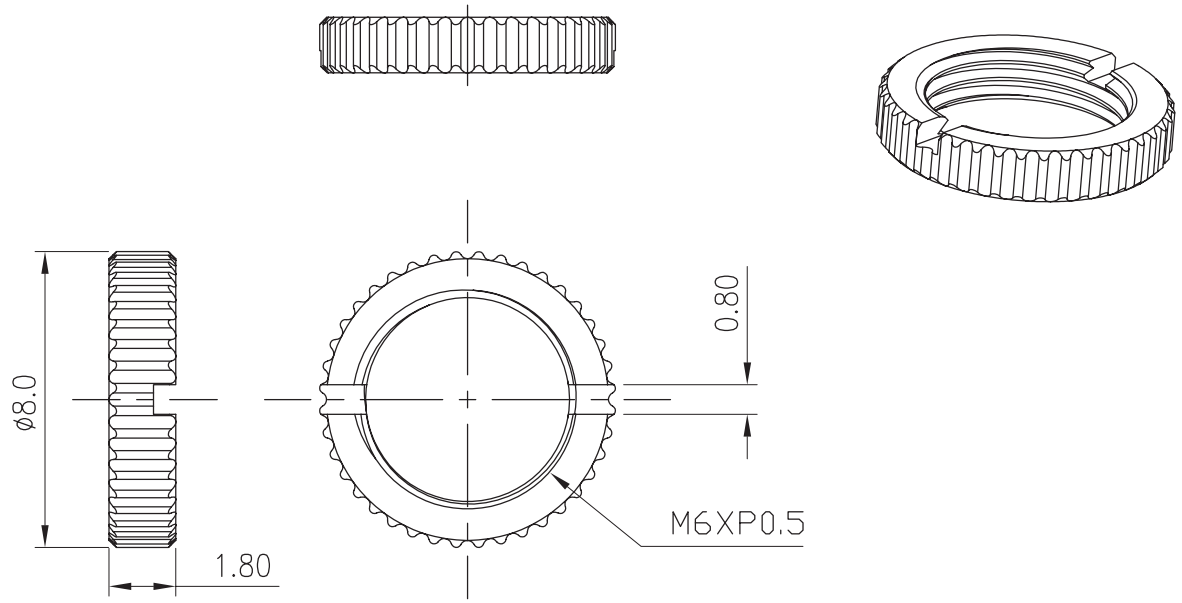
Ø3.5 MATING PLUG

Model No.	SJ1-3533	SJ1-3534	SJ1-3535
Schematic			
PIN			
1	sleeve	sleeve	sleeve
2	tip	tip	tip
3	ring	ring	ring
4	NP	tip switch	tip switch
5	NP	NP	ring switch

MECHANICAL DRAWING (CONTINUED)

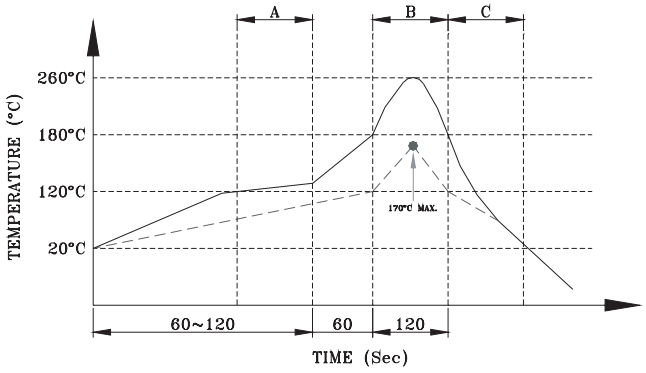
units: mm
tolerance: ±0.3 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
nut	HPB59-3	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	12/01/2005
1.01	new template applied	12/21/2011
1.02	brand update	02/03/2020
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	12/21/2022
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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