CUI Devices is now Same Sky! Learn More

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SERIES: SJ1-351XN | DESCRIPTION: AUDIO JACK

FEATURES

- right angle
- non-threaded
- metal bushing

RoHS

PART NUMBER KEY

SJ1 - 351 X N

- Base Number
- Switch Options:
  - 3 = no switch
  - 4 = tip switch
  - 5 = tip and ring switch

SPECIFICATIONS

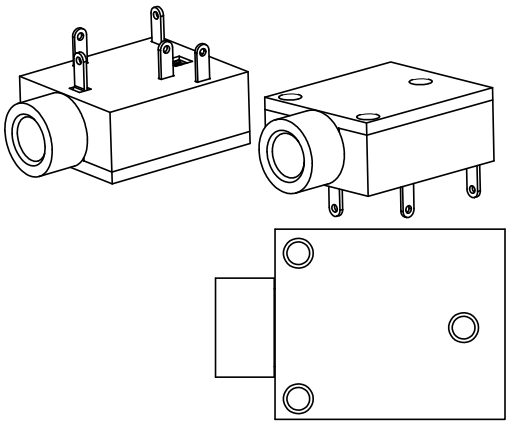
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal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

SOLDERABILITY

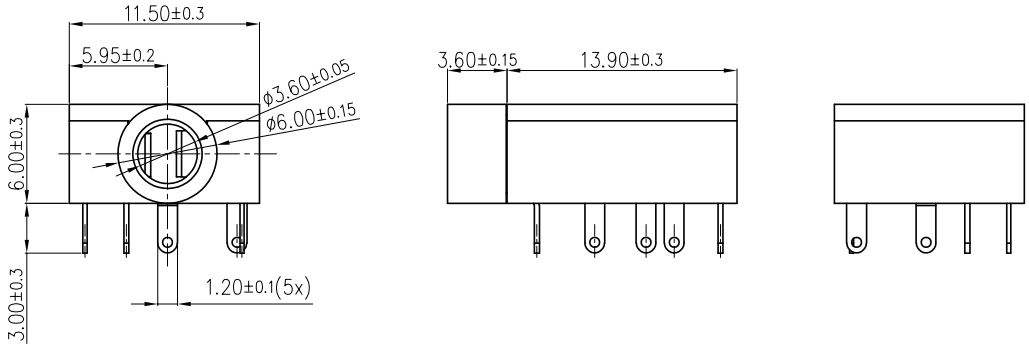
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

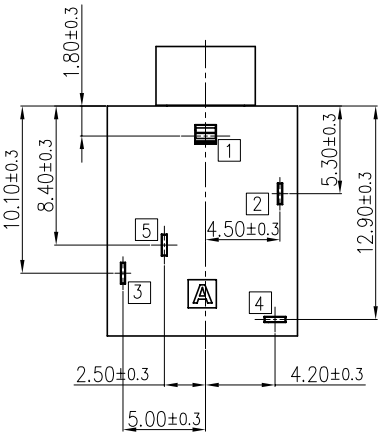
MECHANICAL DRAWING

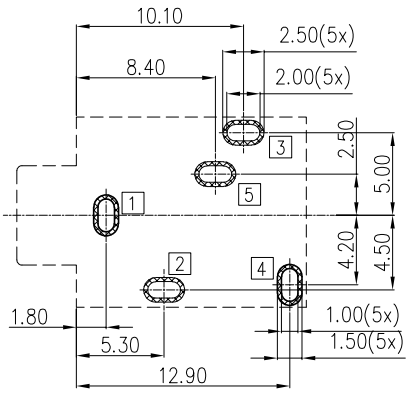
units: mm
tolerance:
X.X ±0.50 mm
X.XX ±0.30 mm
X.XXX ±0.15mm
PCB: ±0.05 mm
unless otherwise specified



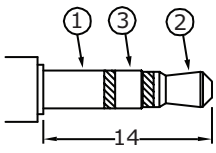
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass t=0.3	silver over nickel
terminal 2	copper alloy t=0.25	silver over nickel
terminal 3	copper alloy t=0.25	silver over nickel
terminal 4	brass t=0.3	silver over nickel
terminal 5	brass t=0.3	silver over nickel
bushing	brass	nickel
cover	PBT (UL94V-0)	black
housing	PBT (UL94V-0)	black



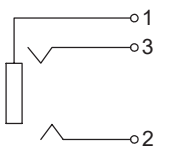
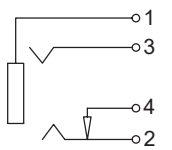
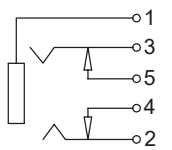




Recommended PCB Layout
Top View



Ø3.5 MATING PLUG

Model No.	SJ1-3513N	SJ1-3514N	SJ1-3515N
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

REVISION HISTORY

rev.	description	date
1.0	initial release	09/09/2006
1.01	new template applied	02/27/2012
1.02	changed top cover to PBT	04/19/2017
1.03	changed terminal plating to silver	02/12/2019
1.04	brand update	10/09/2019
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	06/30/2023
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	07/19/2024
1.07	CUI Devices rebranded to Same Sky	09/12/2024

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

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