



THE DATASHEET OF SJ1-3533NS



**SERIES:** SJ1-353XNS | **DESCRIPTION:** AUDIO JACK**FEATURES**

- shielded
- low profile design
- switch options include:
 - no switch
 - tip switch
 - tip and ring switch

**PART NUMBER KEY****SJ1 - 353 X NS**

Base Number

Switch Options

3 = no switch

4 = tip switch

5 = tip and ring switch

SPECIFICATIONS

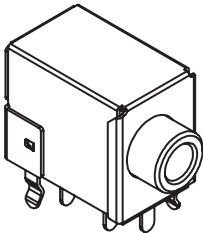
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal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

SOLDERABILITY

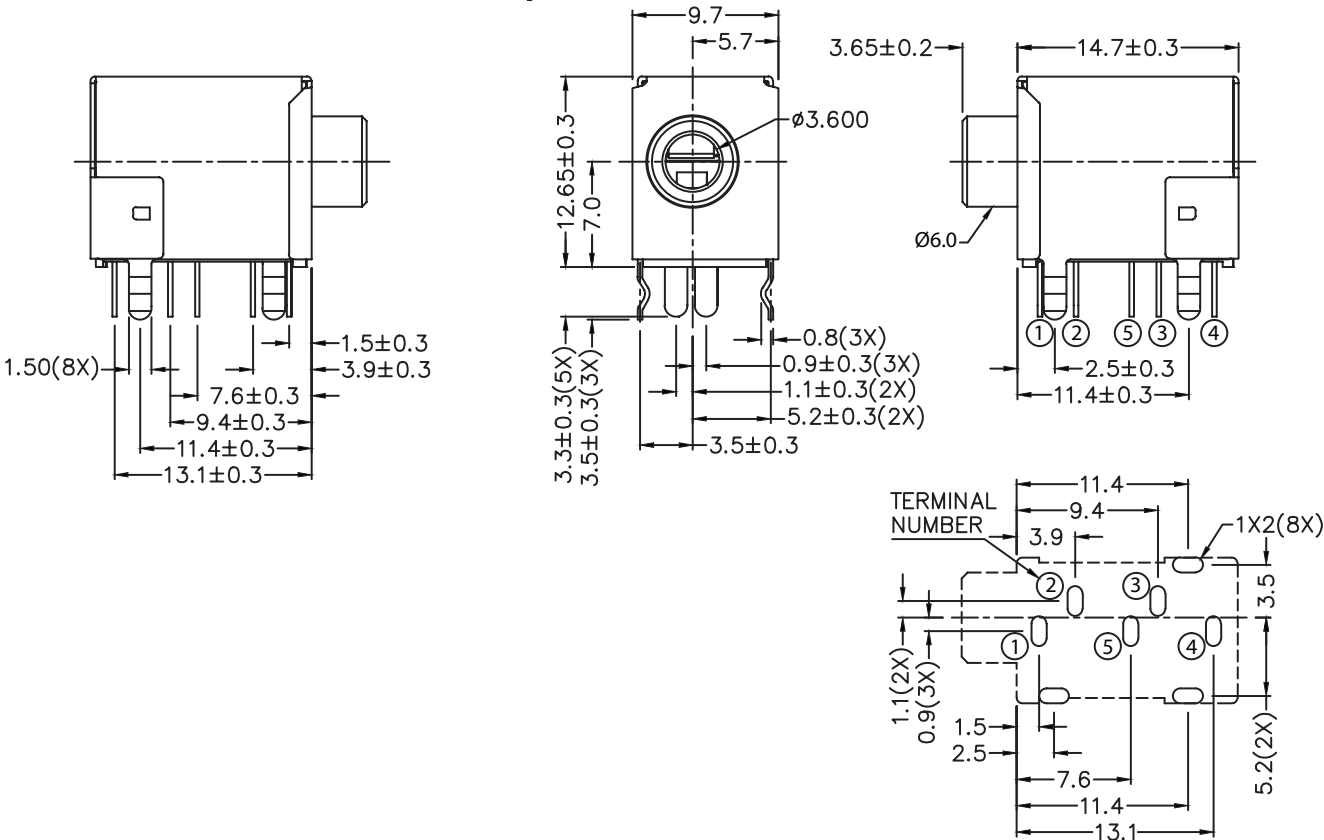
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5±0.5 seconds at	255	260	265	°C

MECHANICAL DRAWING

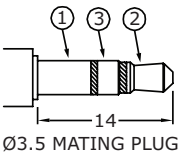
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm
unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass	tin
terminal 2	brass	tin
terminal 3	brass	tin
terminal 4	brass	tin
terminal 5	brass	tin
spring	stainless steel	
bushing	brass	nickel
shield	cold rolled steel	nickel
housing	PBT [UL94V-0]	black



Recommended PCB Layout
Top View



Ø3.5 MATING PLUG

Model No.	SJ1-3533NS	SJ1-3534NS	SJ1-3535NS
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	02/01/2006
1.01	new template applied	01/25/2012
1.02	brand update	02/10/2020
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	02/10/2023
1.04	hard tooling refinement, see PCN for details	09/07/2023
1.05	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 offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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