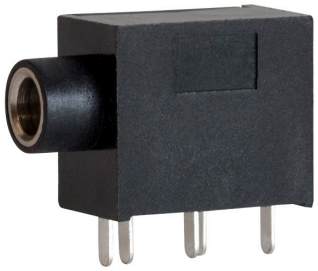
CUI Devices is now Same Sky! Learn More

SERIES: SJ1-353XNG | DESCRIPTION: AUDIO JACK

FEATURES

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



RoHS

PART NUMBER KEY

SJ1 - 353 X NG - X

- Base Number
- Switch Options
  - 3 = no switch
  - 4 = tip switch
  - 5 = tip and ring switch
- Color Options:
  - "blank" = black
  - BE = blue[1]
  - GR = green[1]
  - PI = pink[1]

Note: 1. Tip and ring switch option only.

SPECIFICATIONS

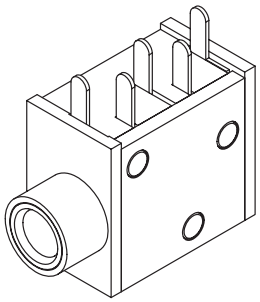
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000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

SOLDERABILITY

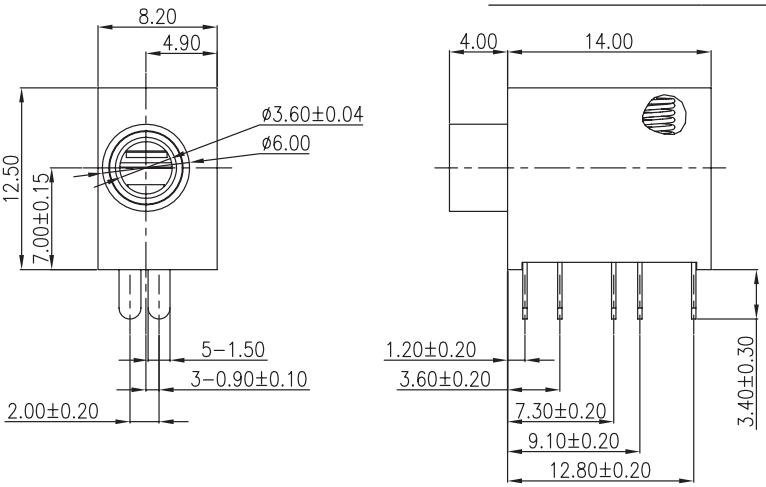
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5±0.5 seconds	255	260	265	°C

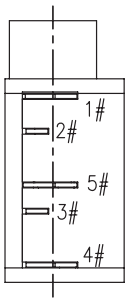
MECHANICAL DRAWING

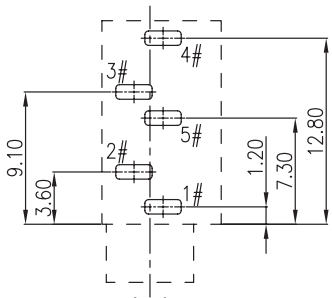
units: mm
tolerance:
X. ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified



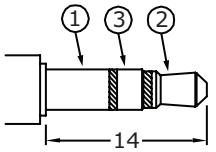
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass t=0.3 mm	tin
terminal 2	brass t=0.3 mm	tin
terminal 3	copper alloy	tin
terminal 4	brass t=0.3 mm	tin
terminal 5	brass t=0.3 mm	tin
bushing	brass	nickel
spring	carbon steel	
housing	PBT (UL94V-0)	see page 1 options
cover	PBT (UL94V-0)	see page 1 options



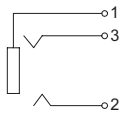
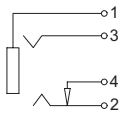
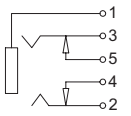




Recommended PCB Layout
Top View



Ø3.5 MATING PLUG

Model No.	SJ1-3533NG	SJ1-3534NG	SJ1-3535NG
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	06/04/2007
1.01	new template applied	01/25/2012
1.02	updated product picture	04/18/2013
1.03	brand update	10/10/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	08/10/2022

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

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