CUI Devices is now Same Sky! Learn More

SERIES: SJ1-352XNG | DESCRIPTION: AUDIO JACK

FEATURES

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

RoHS

PART NUMBER KEY

SJ1 - 352 X NG - X

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

Note: 1. Tip and ring switch model only.

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			100 50	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				

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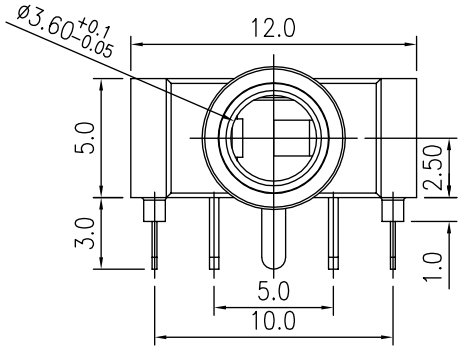
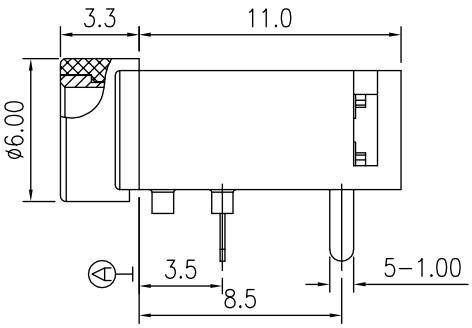
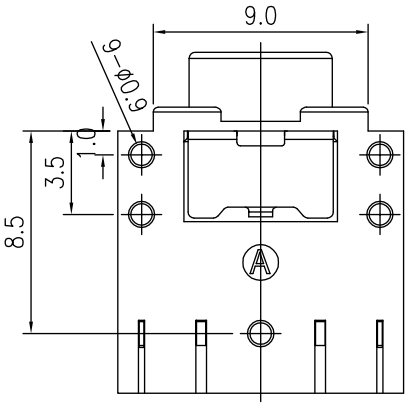
MECHANICAL DRAWING

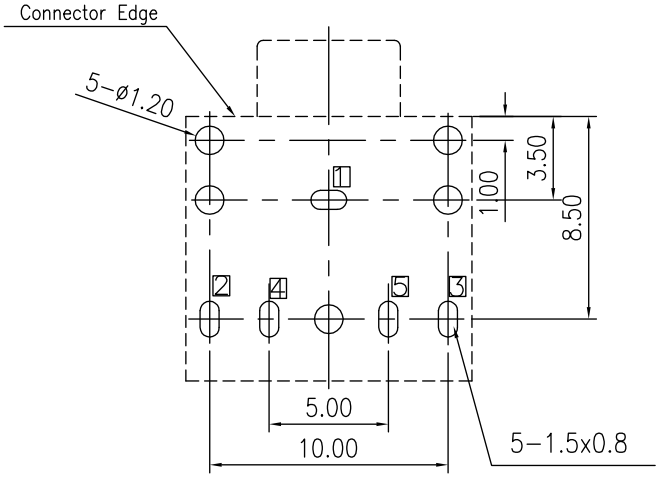
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.25 mm
X.XXX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	copper alloy t=0.20	silver over nickel
terminal 2	stainless steel t=0.20	silver over nickel
terminal 3	stainless steel t=0.20	silver over nickel
terminal 4	brass t=0.40	silver over nickel
terminal 5	brass t=0.40	silver over nickel
bushing	brass	nickel
housing	PBT (UL94V-0)	see color options

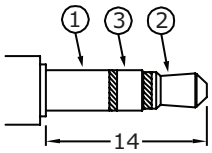




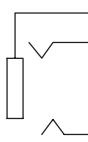




Recommended PCB Layout
Top View



Ø3.5 MATING PLUG

Model No.	SJ1-3523NG	SJ1-3524NG	SJ1-3525NG
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

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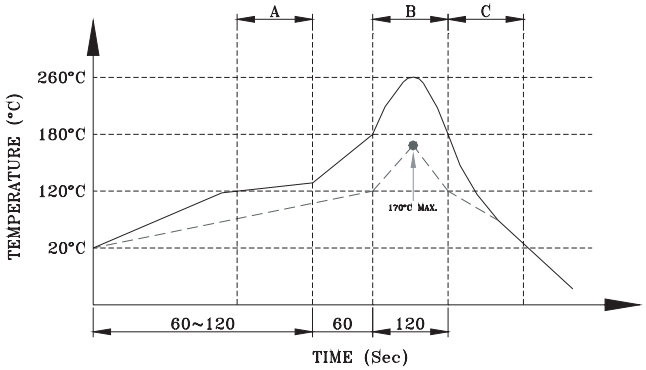
SOLDERABILITY

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

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REVISION HISTORY

rev.	description	date
1.0	initial release	10/21/2005
1.01	new template applied	01/25/2012
1.02	changed terminal plating to silver	02/13/2019
1.03	brand update	10/10/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	03/30/2023
1.05	updated housing mold	07/29/2024
1.06	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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