CUI Devices is now Same Sky! Learn More

SERIES: SJ1-355XNG | DESCRIPTION: AUDIO JACK

FEATURES

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



RoHS

PART NUMBER KEY

SJ1 - 355 X NG - X

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

Notes: 1. Tip and ring switch model only

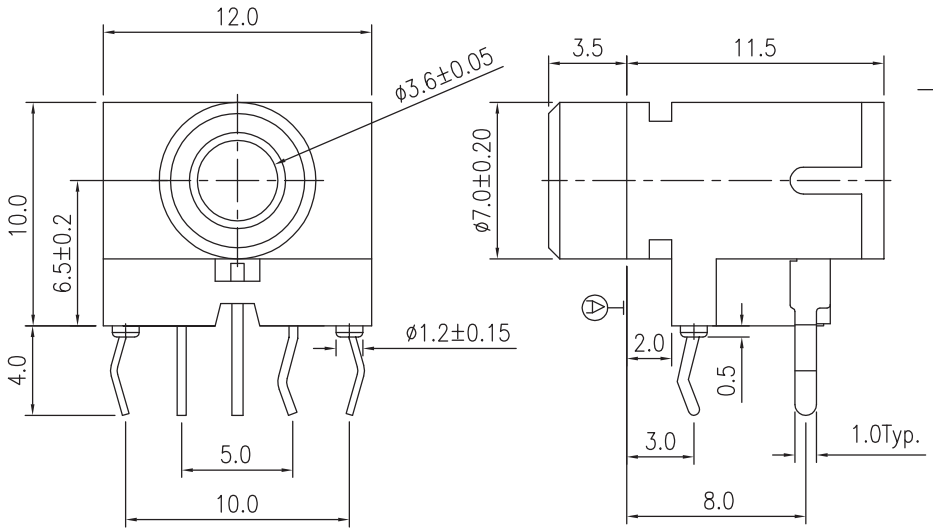
SPECIFICATIONS

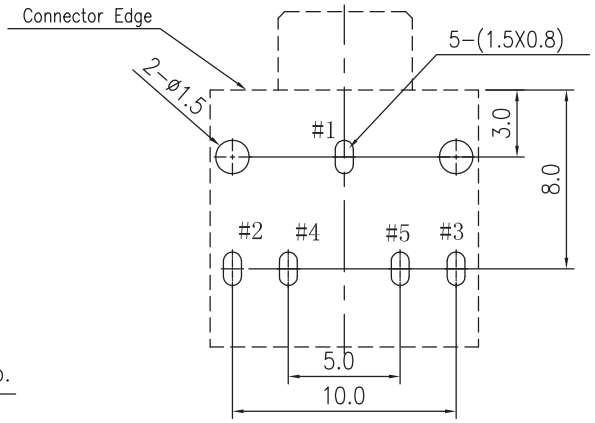
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			100 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal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

MECHANICAL DRAWING

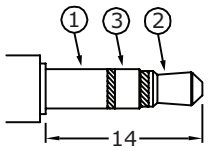
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.25 mm
X.XXX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	C5191	tin over nickel
terminal 2	SUS	tin over nickel
terminal 3	SUS	tin over nickel
terminal 4	C2680	tin over nickel
terminal 5	C2680	tin over nickel
housing	PBT (UL94V-0)	black
cover	PBT (UL94V-0)	black

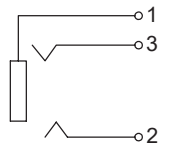
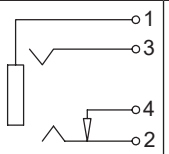
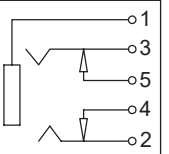




Recommended PCB Layout
Top View

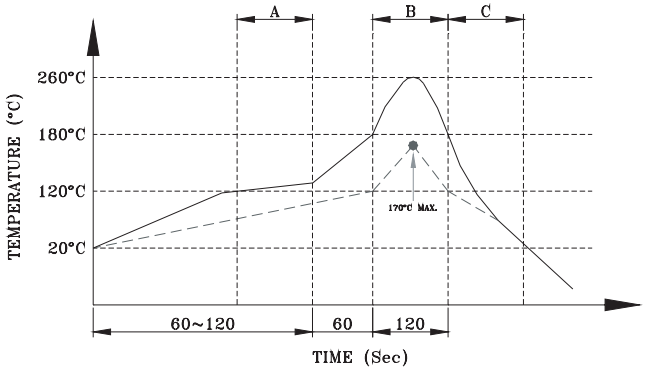


Ø3.5 MATING PLUG

Model No.	SJ1-3553NG	SJ1-3554NG	SJ1-3555NG
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

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	02/07/2006
1.01	new template applied	02/15/2012
1.02	updated datasheet	04/18/2017
1.03	brand update	10/10/2019
1.04	discontinued models SJ1-3555NG-GR & SJ1-3555NG-PI; logo, datasheet style update	08/18/2022
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	10/04/2022
1.06	modified terminals	07/29/2024
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.

same sky

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

sameskydevices.com