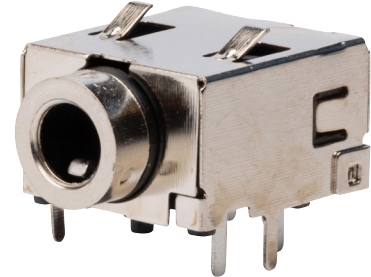


**SERIES:** SJ-435107 | **DESCRIPTION:** AUDIO JACK**FEATURES**

- grounded spring tabs
- shielded
- metal bushing

**PART NUMBER KEY****SJ - 435107 X**

Base Number

Switch Options
"blank" = no switch
RS = isolated ring switch**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1.0	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance		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				

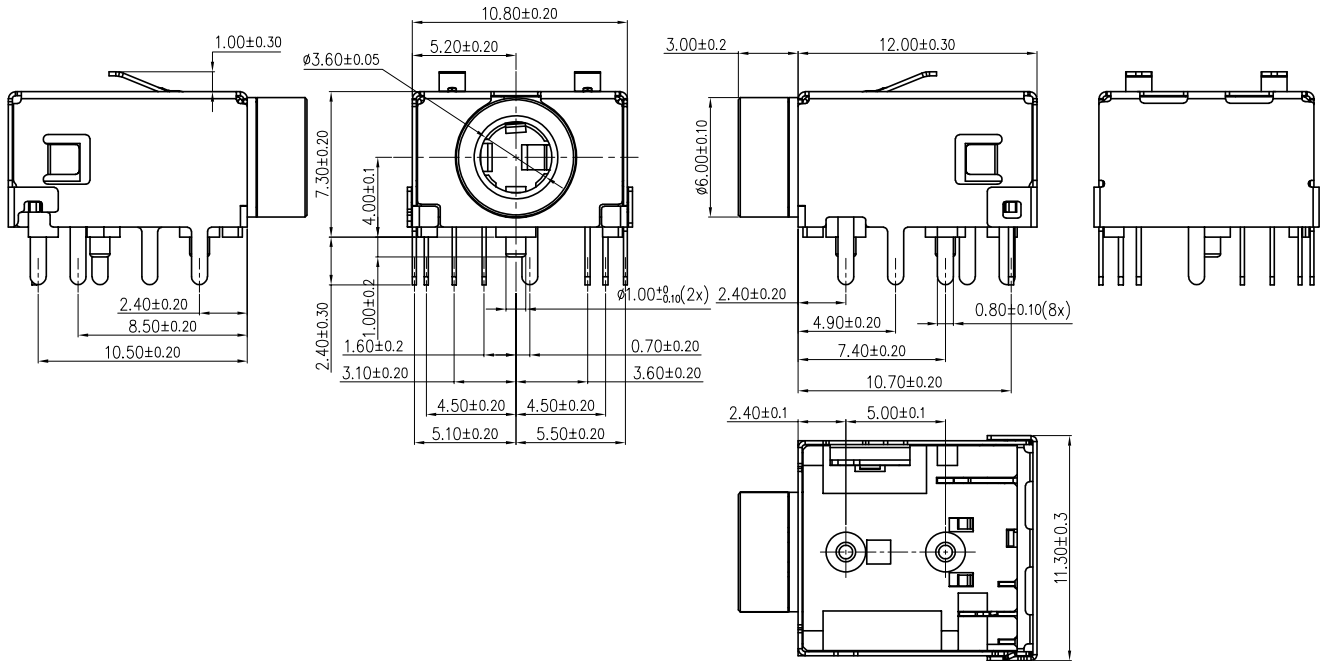
SOLDERABILITY

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

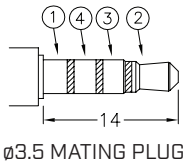
MECHANICAL DRAWING

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

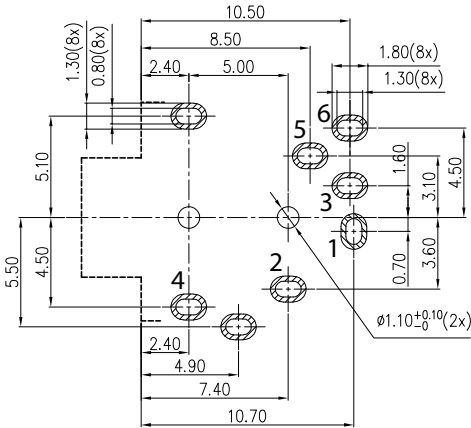
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal [1-6]	copper alloy	tin
shield	brass	nickel
bushing	brass	nickel
housing	PA66 [UL94V-0]	black



Model No.	SJ-435107	SJ-435107RS
Schematic		
PIN		
1	sleeve	sleeve
2	tip	tip
3	ring 1	ring 1
4	ring 2	ring 2
5	NP	isolated ring 1
6	NP	isolated ring 1 switch [N-O]



Ø3.5 MATING PLUG



Recommended PCB Layout
Top View

REVISION HISTORY

rev.	description	date
1.0	initial release	02/23/2012
1.01	updated schematic and spec	06/07/2012
1.02	added drawing dimension, updated spec	01/03/2014
1.03	brand update	10/09/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	06/01/2023
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	06/18/2024
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.

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.

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