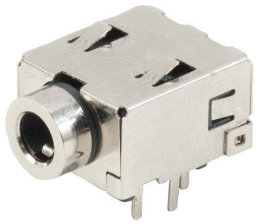
CUI DEVICES

SERIES: SJ-435107 | DESCRIPTION: AUDIO JACK

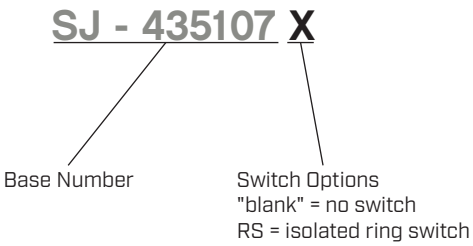
FEATURES

- grounded spring tabs
- shielded
- metal bushing



RoHS

PART NUMBER KEY



SPECIFICATIONS

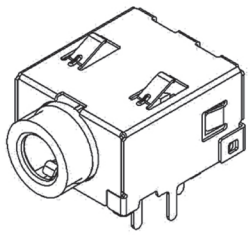
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1.0	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance		100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

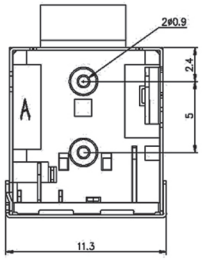
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds at	255	260	265	°C

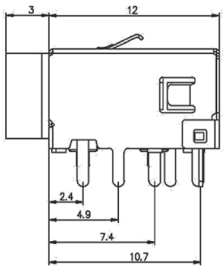
MECHANICAL DRAWING

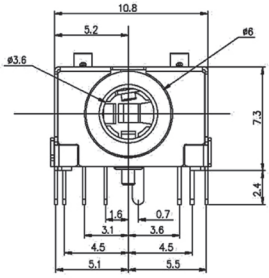
units: mm
tolerance:
X.X ±0.20 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm

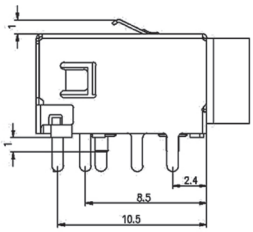


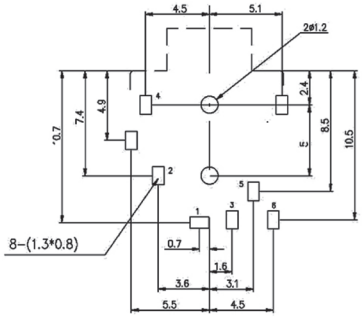
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal (1~6)	copper alloy	tin
shield	copper alloy	nickel
bushing	brass	nickel
housing	PA66 (UL94V-0)	black



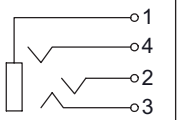
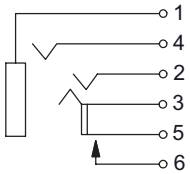


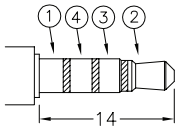






Recommended PCB Layout
Top View

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

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

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

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