

**date** 06/01/2023

page 1 of 3

# SERIES: SJ-435107 | DESCRIPTION: AUDIO JACK

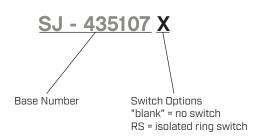
#### **FEATURES**

- grounded spring tabs
- shielded
- metal bushing





## **PART NUMBER KEY**



#### **SPECIFICATIONS**

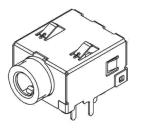
| parameter                  | conditions/description   | min | typ   | max      | units  |
|----------------------------|--|-----|-------|----------|--------|
| rated input voltage        |  |     | 12    |          | Vdc    |
| rated input current        |  |     |       | 1.0      | Α      |
| contact resistance         | between terminal and mating plug<br>between terminal in a closed circuit |     |       | 50<br>30 | mΩ     |
| insulation resistance      |  | 100 |       |          | МΩ     |
| 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-O  |     |       |          |        |
| RoHS                       | yes  |     |       |          |        |

### **SOLDERABILITY**

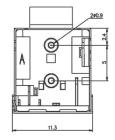
| parameter      | conditions/description                     | min | typ | max | units |
|----------------|--|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds at | 255 | 260 | 265 | °C    |

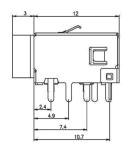
# **MECHANICAL DRAWING**

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



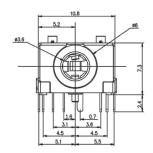
| DESCRIPTION    | MATERIAL       | PLATING/COLOR |
|----------------|----------------|---------------|
| terminal (1~6) | copper alloy   | tin           |
| shield         | copper alloy   | nickel        |
| bushing        | brass          | nickel        |
| housing        | PA66 (UL94V-0) | black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

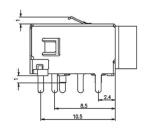




5

6





| 1 |                        |
|---|------------------------|
| 4 | 8-(1.3*0.8)            |
| 2 | 3.6 3.1                |
| 3 | 5.5 4.5                |
| 5 | Recommended PCB Layout |
| 6 | Top View               |
|   |                        |

| Model No. | SJ-435107            | SJ-435107RS                            |  |
|-----------|----------------------|--|--|
| Schematic | 01<br>04<br>02<br>03 | 0 1<br>0 4<br>0 2<br>0 3<br>0 5<br>0 6 |  |
| PIN       |                      |  |  |
| 1         | sleeve               | sleeve                                 |  |
| 2         | tip                  | tip                                    |  |
| 3         | ring 1               | ring 1                                 |  |
| 4         | ring 2               | ring 2                                 |  |

NΡ

NΡ



isolated ring 1 isolated ring 1 switch

(N-0)

#### **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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