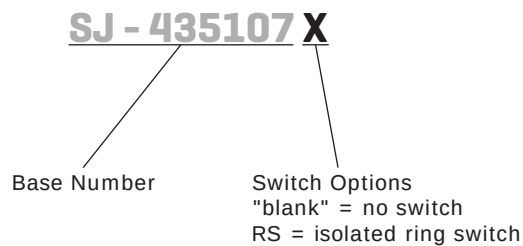


**SERIES:** SJ-435107 | **DESCRIPTION:** 3.5 MM AUDIO JACK
**FEATURES**

- 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 | A      |
| contact resistance <sup>1</sup> | between terminal and mating plug     |     |       | 50  | mΩ     |
|                                 | between terminal in a closed circuit |     |       | 30  | mΩ     |
| insulation resistance           | at 500 Vdc                           | 100 |       |     | MΩ     |
| voltage withstand               | at 50/60Hz for 1 minute              |     |       | 500 | Vac    |
| insertion/withdrawal force      |                                      | 0.3 |       | 3   | kg     |
| terminal strength               | any direction for 10 seconds         |     |       | 500 | g      |
| operating temperature           |                                      | -25 |       | 85  | °C     |
| life                            |                                      |     | 5,000 |     | cycles |
| flammability rating             | UL94V-0                              |     |       |     |        |
| RoHS                            | 2011/65/EU                           |     |       |     |        |

Note: 1. When measured at a current of less than 100 mA /1 kHz

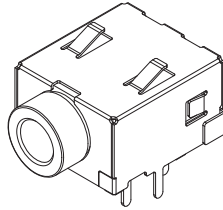
**SOLDERABILITY**

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

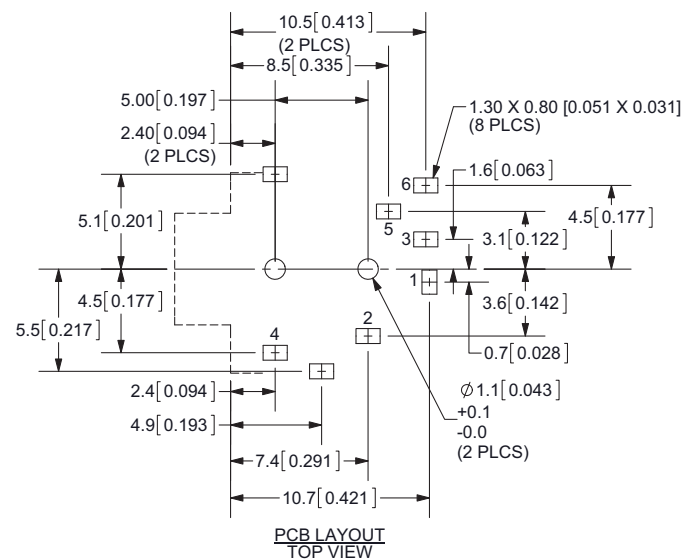
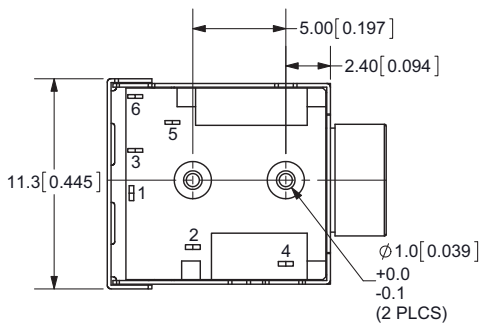
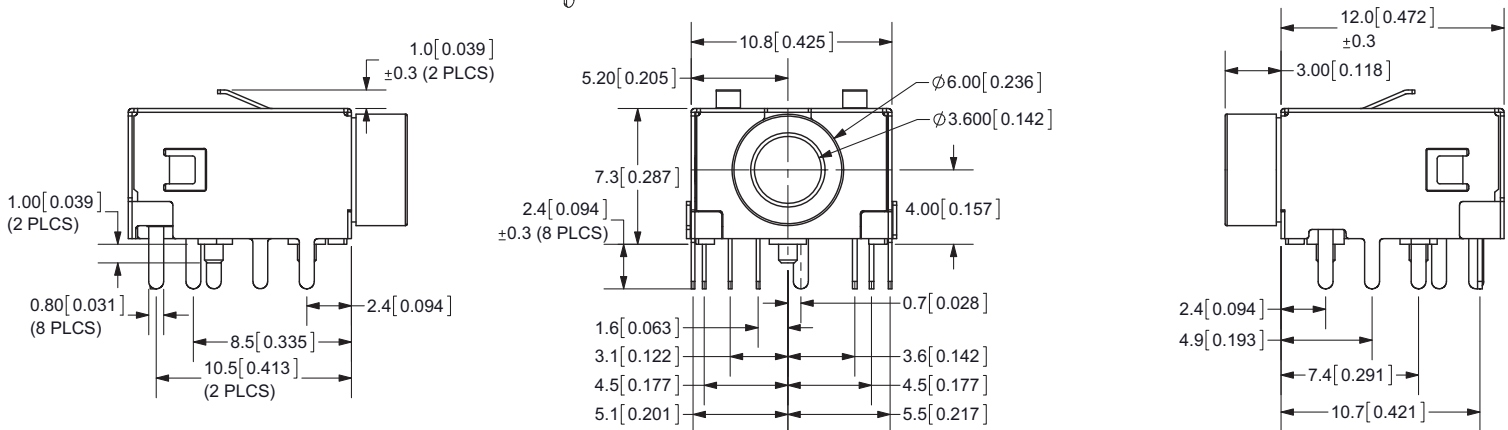
## MECHANICAL DRAWING

units: mm[inches]

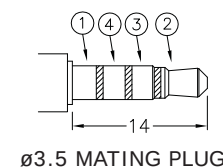
TOLERANCE:  
 X.X  $\pm 0.2$ mm  
 X.XX  $\pm 0.1$ mm  
 X.XXX  $\pm 0.05$ mm



|                | MATERIAL     | PLATING |
|----------------|--------------|---------|
| terminal (1~6) | copper alloy | tin     |
| shield         | copper alloy | nickel  |
| bushing        | brass        | nickel  |
| plastic        | PA66         |         |



| 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) |



## 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 |

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



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