

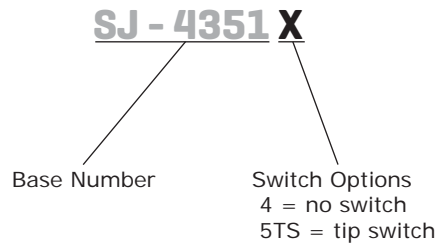
**SERIES:** SJ-4351X | **DESCRIPTION:** 3.5 MM AUDIO JACK

**FEATURES**

- PCB mount
- plastic bushing
- low profile design



**PART NUMBER KEY**



**SPECIFICATIONS**

| parameter                 | conditions/description   | min | typ   | max      | units    |
|---------------------------|--|-----|-------|----------|----------|
| rated input voltage       |  |     | 16    |          | Vdc      |
| rated input current       |  |     |       | 300      | mA       |
| contact resistance*       | between terminal and mating plug<br>between terminal in a closed circuit |     |       | 50<br>30 | mΩ<br>mΩ |
| insulation resistance     | at 500 Vdc   | 100 |       |          | MΩ       |
| voltage withstand         | at 50/60Hz for 1 minute  |     |       | 500      | Vac      |
| insertion/withdrawl force |  | 0.4 |       | 3        | kg       |
| terminal strength         | any direction for 10 seconds   |     |       | 500      | g        |
| operating temperature     |  | -25 |       | 85       | °C       |
| life                      |  |     | 5,000 |          | cycles   |

Notes: \*When measured at a current of less than 100 mA / 1 kHz

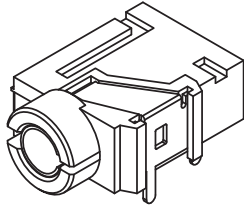
**SOLDERABILITY**

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

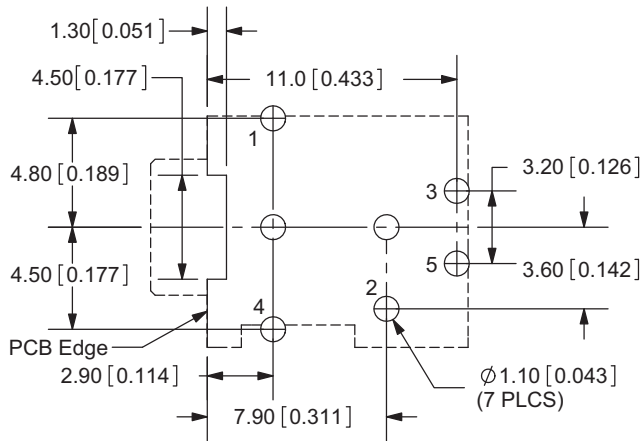
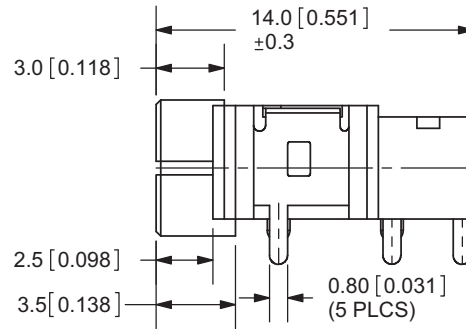
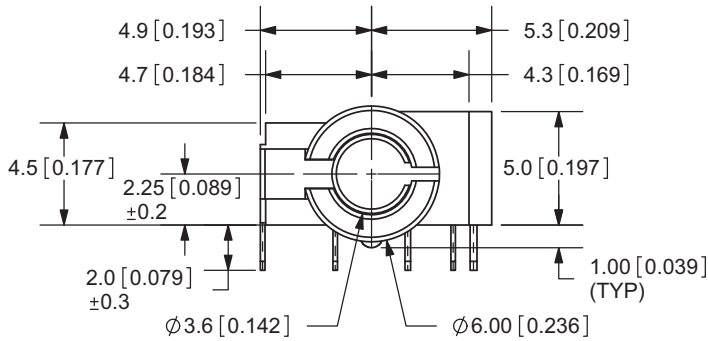
## MECHANICAL DRAWING

units: mm[inches]

TOLERANCE:  
 X.X ±0.2mm  
 X.XX ±0.1mm  
 X.XXX ±0.05mm

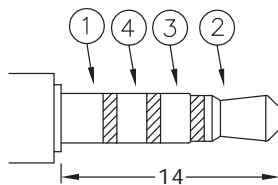
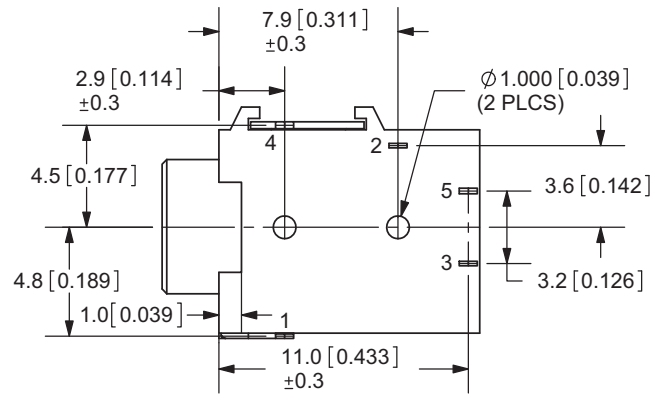


|            | MATERIAL        | PLATING |
|------------|-----------------|---------|
| terminal 1 | phosphor bronze | gold    |
| terminal 2 | titanium copper | tin     |
| terminal 3 | phosphor bronze | tin     |
| terminal 4 | phosphor bronze | tin     |
| terminal 5 | brass           | tin     |
| plastic    | PA66            |         |



PCB LAYOUT  
TOP VIEW

NOTE: Tolerance for PCB Layout is ± 0.05mm



Ø 3.5 MATING PLUG

| Model No. | SJ-43514 | SJ-43515TS |
|-----------|----------|------------|
| Schematic |          |            |
| PIN       |          |            |
| 1         | sleeve   | sleeve     |
| 2         | tip      | tip        |
| 3         | ring 1   | ring 1     |
| 4         | ring 2   | ring 2     |
| 5         | NP       | tip switch |

## REVISION HISTORY

| rev. | description               | date       |
|------|---------------------------|------------|
| 1.0  | initial release           | 05/01/2006 |
| 1.01 | new template applied      | 02/21/2012 |
| 1.02 | pin numbering changed     | 03/09/2012 |
| 1.03 | added notch to pcb layout | 04/05/2012 |
| 1.04 | updated drawing           | 06/05/2012 |

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



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