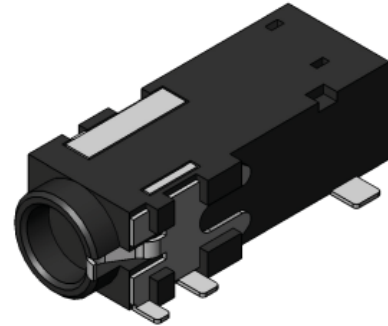
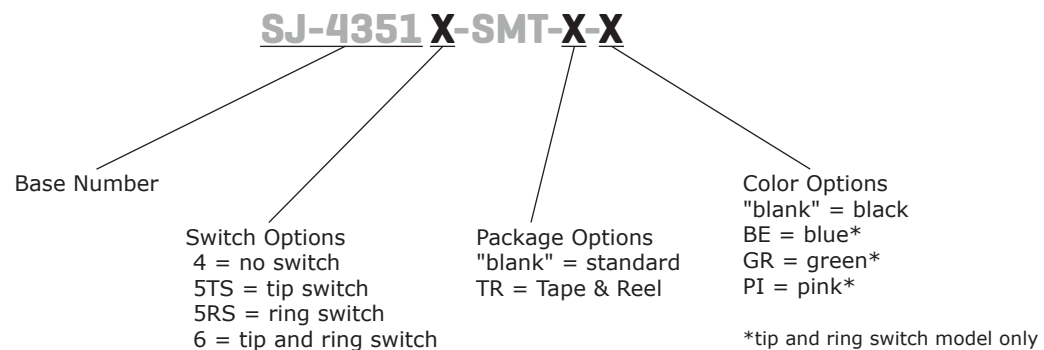


**SERIES:** SJ-4351X-SMT | **DESCRIPTION:** 3.5 MM AUDIO JACKS
**FEATURES**

- narrow footprint
- plastic bushing
- multiple switch options available

**PART NUMBER KEY****SPECIFICATIONS**

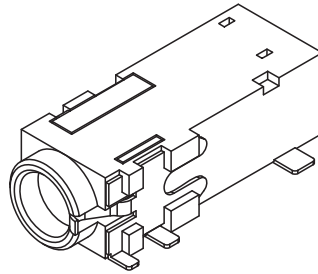
| parameter                 | conditions/description                                                                | min | typ   | max      | units    |
|---------------------------|---------------------------------------------------------------------------------------|-----|-------|----------|----------|
| rated input voltage       |                                                                                       |     | 12    |          | Vdc      |
| rated input current       |                                                                                       |     |       | 1        | A        |
| contact resistance        | between terminal and mating plug<br>between terminal in a closed circuit <sup>1</sup> |     |       | 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 |                                                                                       | 0.3 |       | 3        | kg       |
| terminal strength         | any direction for 10 seconds                                                          |     |       | 500      | g        |
| operating temperature     |                                                                                       | -25 |       | 85       | °C       |
| life                      |                                                                                       |     | 5,000 |          | cycles   |

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

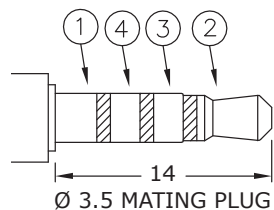
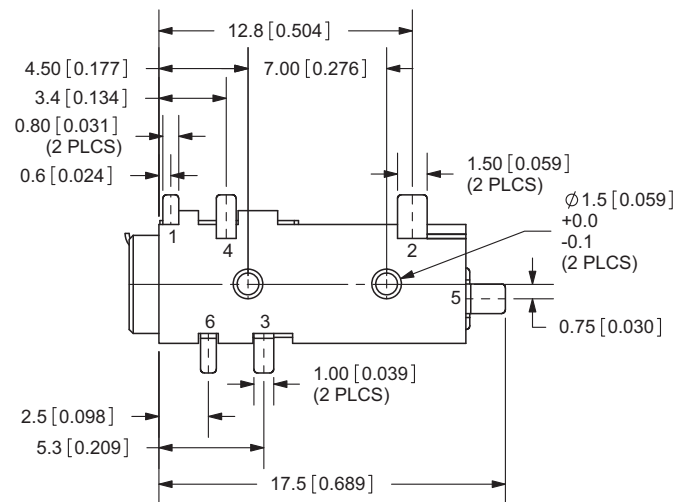
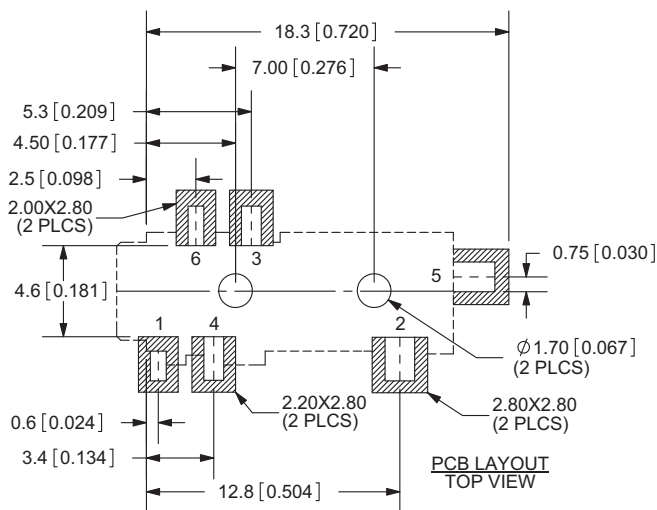
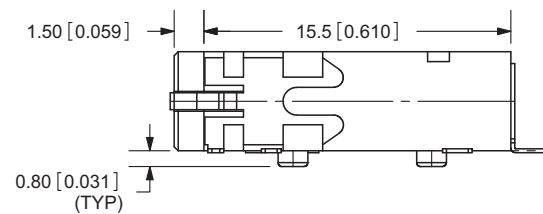
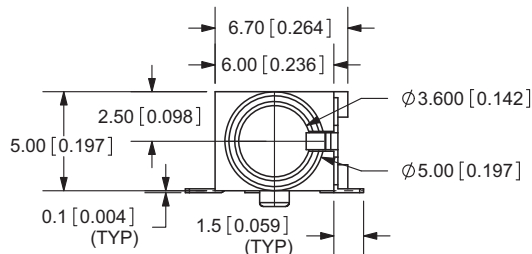
## MECHANICAL DRAWING

units: mm[inches]

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



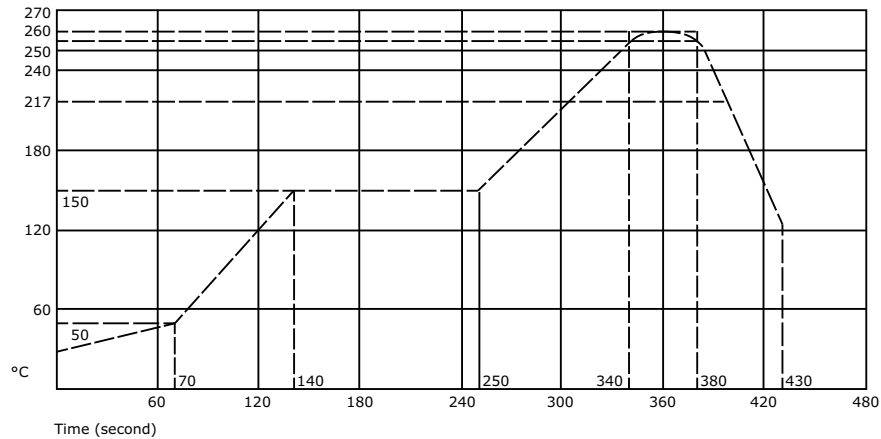
|            | MATERIAL     | PLATING |
|------------|--------------|---------|
| terminal 1 | copper alloy | silver  |
| terminal 2 | copper alloy | silver  |
| terminal 3 | copper alloy | silver  |
| terminal 4 | copper alloy | silver  |
| terminal 5 | brass        | silver  |
| terminal 6 | copper alloy | silver  |
| plastic    | PA6T         |         |



| Model No. | SJ-43514-SMT | SJ-43515TS-SMT | SJ-43515RS-SMT | SJ-43516-SMT |
|-----------|--------------|----------------|----------------|--------------|
| Schematic |              |                |                |              |
| PIN       |              |                |                |              |
| 1         | sleeve       | sleeve         | sleeve         | sleeve       |
| 2         | tip          | tip            | tip            | tip          |
| 3         | ring 1       | ring 1         | ring 1         | ring 1       |
| 4         | ring 2       | ring 2         | ring 2         | ring 2       |
| 5         | NP           | tip switch     | NP             | tip switch   |
| 6         | NP           | NP             | ring switch    | ring switch  |

## SOLDERABILITY

| parameter        | conditions/description | min | typ | max | units |
|------------------|------------------------|-----|-----|-----|-------|
| reflow soldering | see reflow profile     | 255 | 260 | 265 | °C    |



## REVISION HISTORY

| rev. | description                        | date       |
|------|------------------------------------|------------|
| 1.0  | initial release                    | 01/17/2006 |
| 1.01 | new template applied               | 02/02/2012 |
| 1.02 | added TR package and color options | 11/01/2012 |

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



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