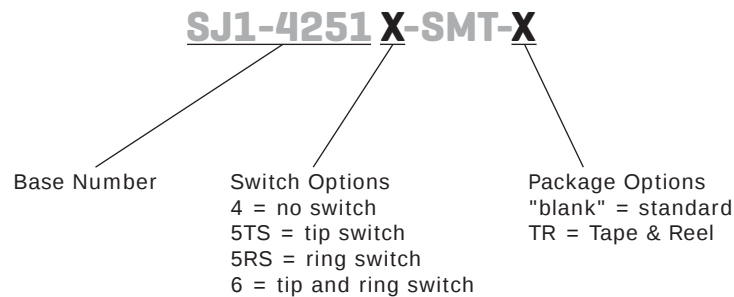


**SERIES:** SJ1-4251X-SMT | **DESCRIPTION:** 2.5 MM AUDIO JACKS
**FEATURES**

- right angle
- plastic bushing
- gold flash

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

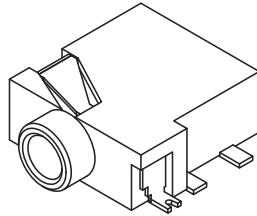
| parameter                 | conditions/description                            | min | typ   | max | units  |
|---------------------------|---------------------------------------------------|-----|-------|-----|--------|
| rated input voltage       |                                                   |     | 12    |     | Vdc    |
| rated input current       |                                                   |     |       | 1   | A      |
| contact resistance        | between terminal and mating plug                  |     |       | 50  | mΩ     |
|                           | between terminal in a closed circuit <sup>1</sup> |     |       | 30  | 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

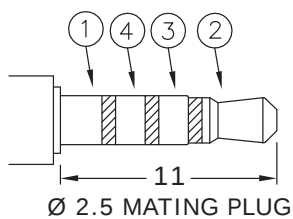
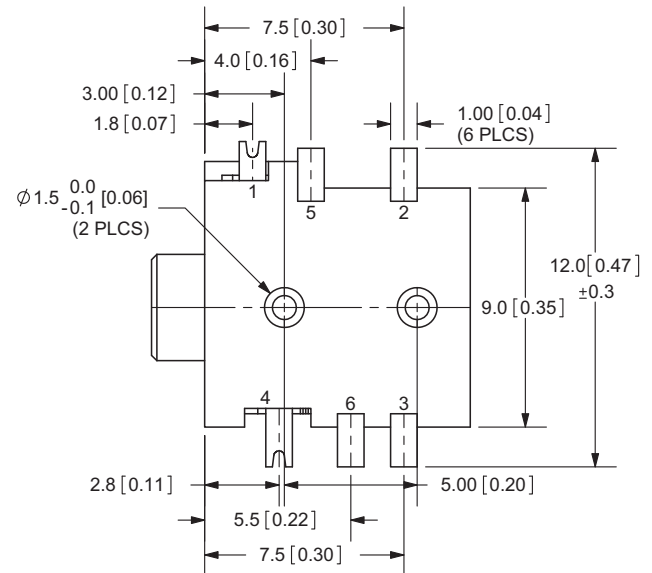
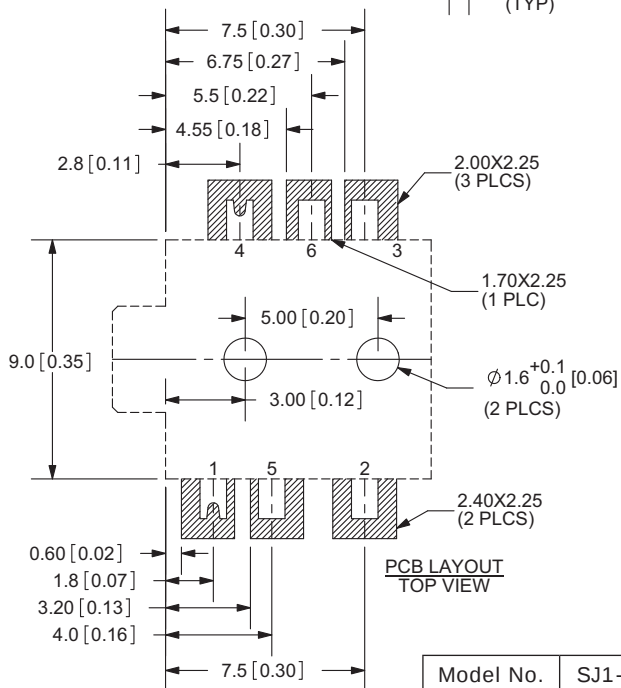
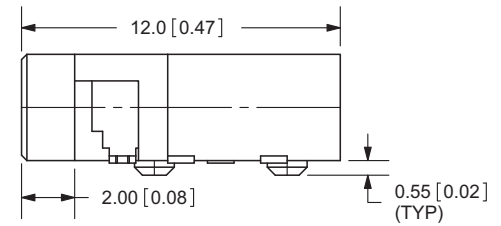
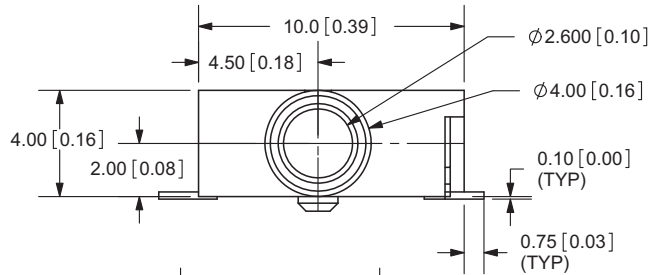
## MECHANICAL DRAWING

units: mm[inches]

TOLERANCE:

X.X  $\pm 0.2$ mmX.XX  $\pm 0.1$ mmX.XXX  $\pm 0.05$ mm

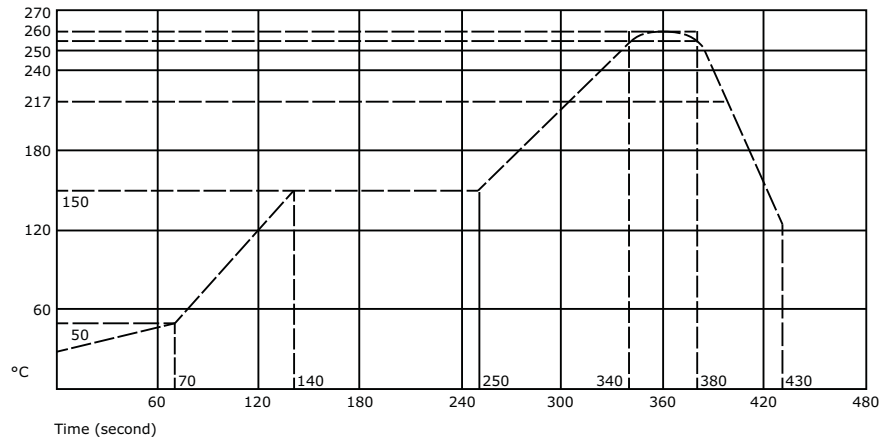
|            | MATERIAL     | PLATING |
|------------|--------------|---------|
| terminal 1 | copper alloy | gold    |
| terminal 2 | copper alloy | gold    |
| terminal 3 | copper alloy | gold    |
| terminal 4 | copper alloy | gold    |
| terminal 5 | brass        | gold    |
| terminal 6 | brass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



| Model No. | SJ1-42514-SMT | SJ1-42515TS-SMT | SJ1-42515RS-SMT | SJ1-42516-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         | 10/27/2005 |
| 1.01 | new template applied    | 02/17/2012 |
| 1.02 | added TR package option | 11/01/2012 |

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



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