

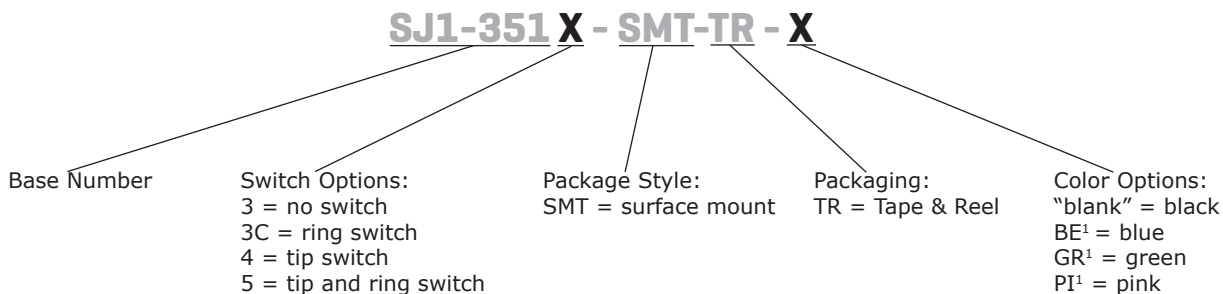
SERIES: SJ1-351X-SMT | **DESCRIPTION:** AUDIO JACK

FEATURES

- low profile design
- switch options include: no switch, tip switch, tip & ring switch
- gold flash
- plastic housing



PART NUMBER KEY



Note: 1. Tip and ring switch model only

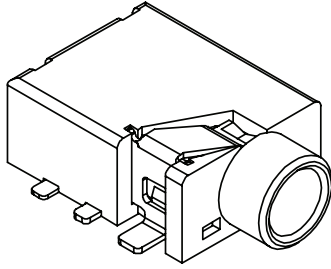
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---------------------------------|--------------------------------------------------------------------------|-----|-------|----------|----------|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance ² | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | mΩ mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 85 | °C |
| life | at a rate of 24 cycles/minute | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | 2011/65/EU | | | | |

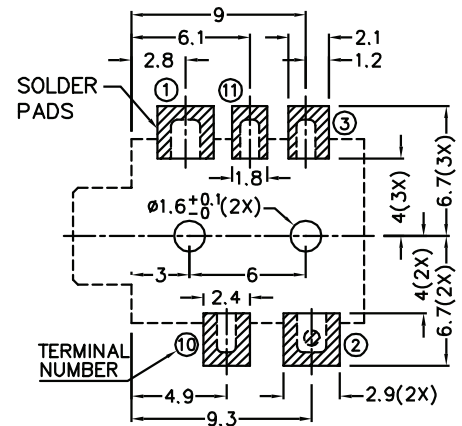
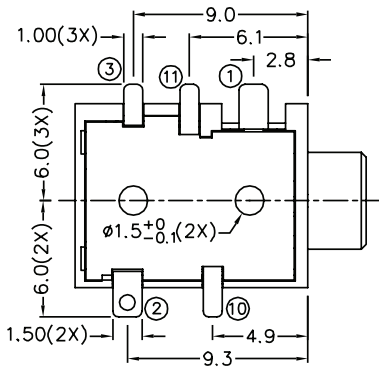
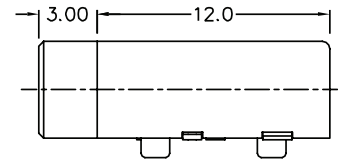
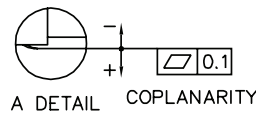
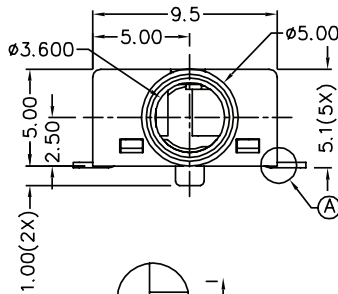
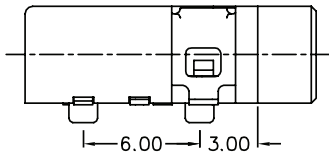
Note: 2. When measured at a current of less than 100 mA/1 kHz
 3. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

MECHANICAL DRAWING

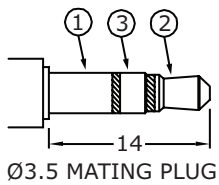
units: mm
 tolerance:
 X.X ±0.2 mm
 X.XX ±0.10 mm
 X.XXX ±0.050 mm
 PCB: ±0.05 mm



| | MATERIAL | PLATING |
|-------------|--------------|------------|
| terminal 1 | copper alloy | gold flash |
| terminal 2 | copper alloy | gold flash |
| terminal 3 | copper alloy | gold flash |
| terminal 10 | brass | gold flash |
| terminal 11 | brass | gold flash |
| plastic | PA10T | |



Recommended PCB Layout
Top View



| Model No. | SJ1-3513-SMT | SJ1-3513C-SMT | SJ1-3514-SMT | SJ1-3515-SMT |
|-----------|--------------|---------------|--------------|--------------|
| Schematic | | | | |
| PIN | | | | |
| 1 | sleeve | sleeve | sleeve | sleeve |
| 2 | tip | tip | tip | tip |
| 3 | ring | ring | ring | ring |
| 10 | NP | NP | tip switch | tip switch |
| 11 | NP | ring switch | NP | ring switch |

REVISION HISTORY

| rev. | description | date |
|------|-------------------------------------|------------|
| 1.0 | initial release | 11/21/2005 |
| 1.01 | new template applied | 01/27/2012 |
| 1.02 | added TR package and color options | 11/01/2012 |
| 1.03 | updated datasheet | 05/01/2015 |
| 1.04 | added model, updated datasheet | 12/19/2016 |
| 1.05 | added storage and drying conditions | 02/15/2018 |

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



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