

date 04/19/2017

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SERIES: SJ1-351XN | **DESCRIPTION:** 3.5 MM AUDIO JACKS

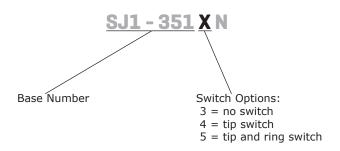
FEATURES

- right angle
- non-threaded
- · metal bushing





PART NUMBER KEY



SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---------------------------------|--|-----|-------|----------|-----------|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | А |
| contact resistance ¹ | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | $m\Omega$ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | at 50/60 Hz 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 | | | | |

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

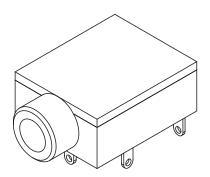
SOLDERABILITY

| 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

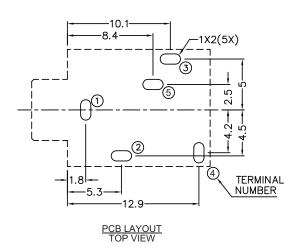
units: mm[inches]

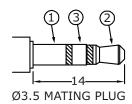
TOLERANCE: $X.X \pm 0.2mm$ $X.XX \pm 0.1mm$ $X.XXX \pm 0.05mm$



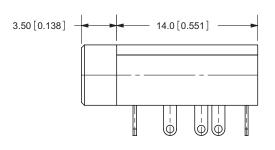
| | 11.5 [0.453] |
|---------------------------|---|
| 1.00 [0.039] | 5.95[0.234] |
| 6.0 [0.236] | φ6.0 [0.236] |
| 1 | Ø3.600 [0.142] |
| 3.0 [0.118] (TYP) ±0.3 | _ # # # # # # # # # # # # # # # # # # # |

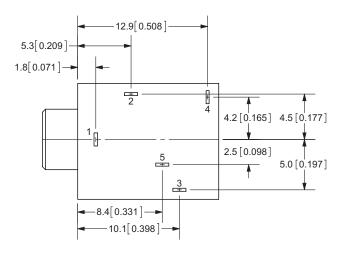
(TYP)





| | MATERIAL | PLATING |
|------------|-----------------|---------|
| terminal 1 | brass | tin |
| terminal 2 | brass | tin |
| terminal 3 | brass | tin |
| terminal 4 | brass | tin |
| terminal 5 | brass | tin |
| bushing | brass | nickel |
| spring | stainless steel | |
| cover | PBT | |
| plastic | PBT | |
| | | |





| Model No. | SJ1-3513N | SJ1-3514N | SJ1-3515N | |
|-----------|----------------|----------------------|----------------------------------|--|
| Schematic | 01 03 03 | 01 03 04 02 | 01 03 03 05 04 02 | |
| PIN | | | | |
| 1 | sleeve | sleeve | sleeve | |
| 2 | tip | tip | tip | |
| 3 | ring | ring | ring | |
| 4 | NP | tip switch | tip switch | |
| 5 | NP | NP | ring switch | |

REVISION HISTORY

| rev. | description | date |
|------|--------------------------|------------|
| 1.0 | initial release | 09/06/2006 |
| 1.01 | new template applied | 02/07/2012 |
| 1.02 | changed top cover to PBT | 04/19/2017 |

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



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