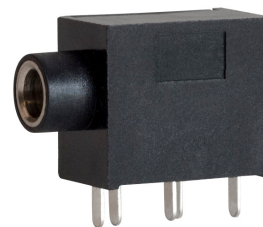


**SERIES:** SJ1-353XNG | **DESCRIPTION:** 3.5 MM AUDIO JACK

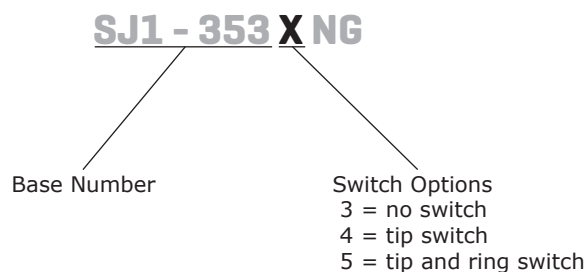
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**FEATURES**

- low profile design
- switch options include:
  - no switch
  - tip switch
  - tip and ring switch

**PART NUMBER KEY**

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**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* |     |       | 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 |
| RoHS                      | yes                                   |     |       |     |        |

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

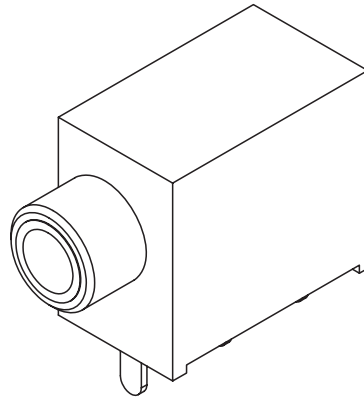
**SOLDERABILITY**

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

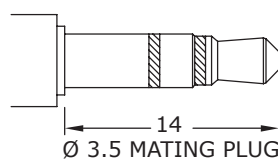
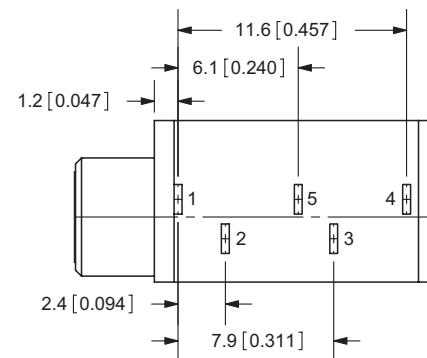
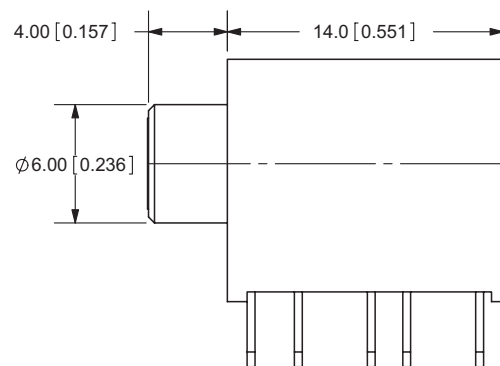
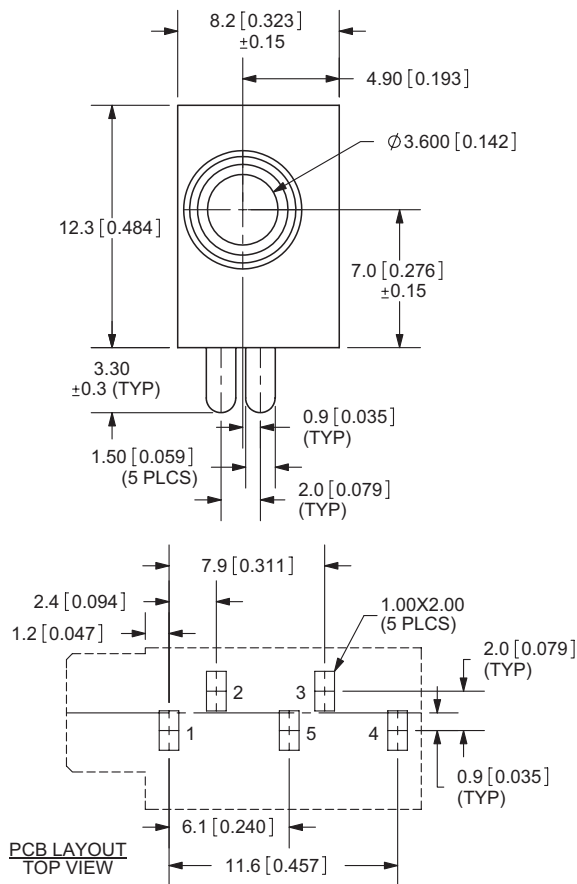
## MECHANICAL DRAWING

units: mm[inches]

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



|            | 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 |         |
| plastic    | PBT             |         |



| Model No. | SJ1-3533NG | SJ1-3534NG | SJ1-3535NG  |
|-----------|------------|------------|-------------|
| Schematic |            |            |             |
| 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         | 06/04/2007 |
| 1.01 | new template applied    | 01/25/2012 |
| 1.02 | updated product picture | 04/18/2013 |
| 1.03 | brand update            | 10/10/2019 |

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

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