

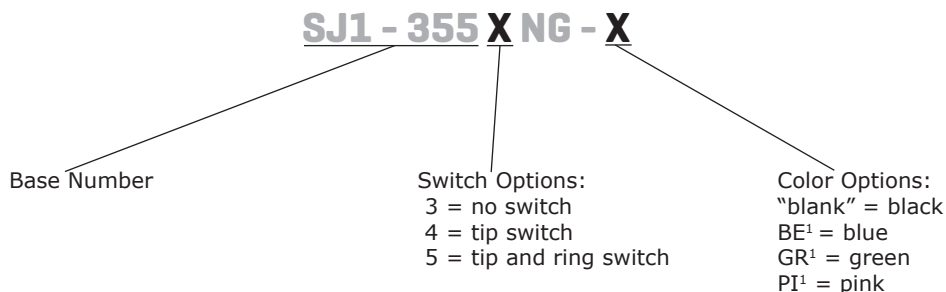
**SERIES:** SJ1-355XNG | **DESCRIPTION:** 3.5 MM AUDIO JACKS

**FEATURES**

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



**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 <sup>2</sup> | between terminal and mating plug<br>between terminal in a closed circuit |     |       | 50<br>30 | mΩ<br>mΩ |
| 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: 2. 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

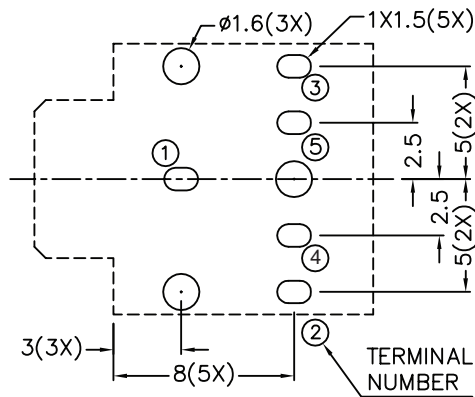
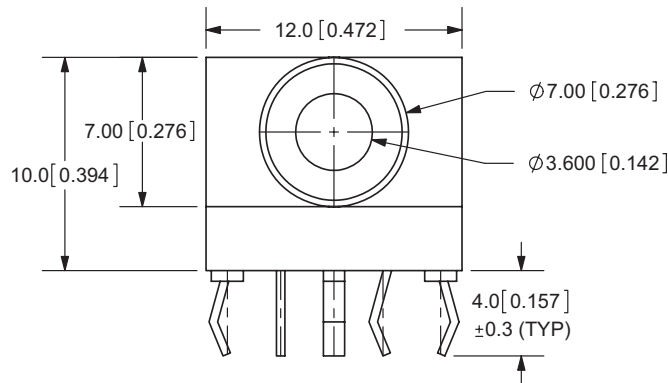
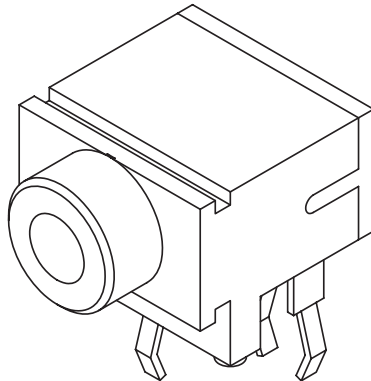
units: mm[inches]

TOLERANCE:

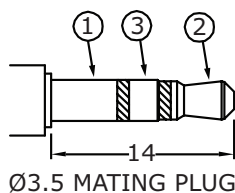
X.X ±0.2mm

X.XX ±0.1mm

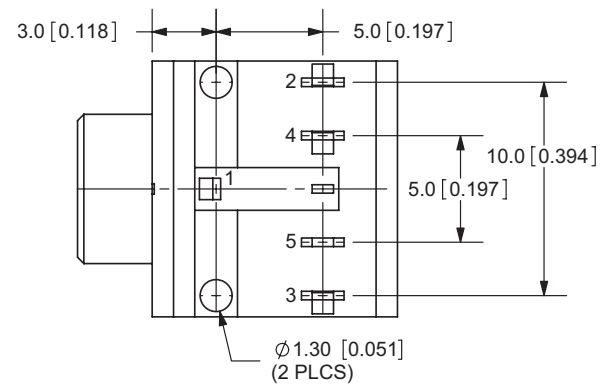
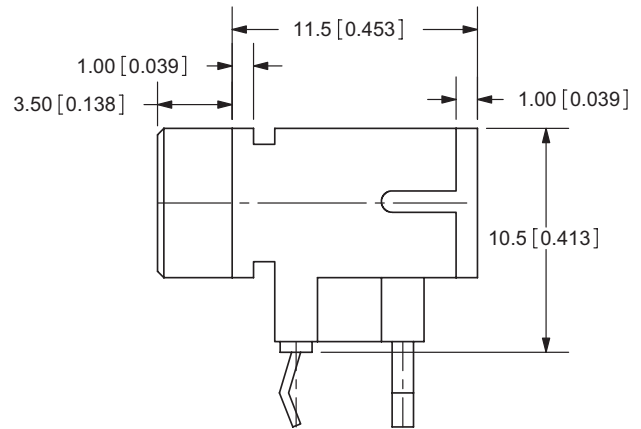
X.XXX ±0.05mm



PCB LAYOUT  
TOP VIEW



|            | MATERIAL     | PLATING |
|------------|--------------|---------|
| terminal 1 | brass        | tin     |
| terminal 2 | copper alloy | tin     |
| terminal 3 | copper alloy | tin     |
| terminal 4 | brass        | tin     |
| terminal 5 | brass        | tin     |
| plastic    | PBT          |         |



| Model No. | SJ1-3553NG | SJ1-3554NG | SJ1-3555NG  |
|-----------|------------|------------|-------------|
| 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

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| <b>rev.</b> | <b>description</b>   | <b>date</b> |
|-------------|----------------------|-------------|
| 1.0         | initial release      | 02/07/2006  |
| 1.01        | new template applied | 02/15/2012  |
| 1.02        | updated datasheet    | 04/18/2017  |

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



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