

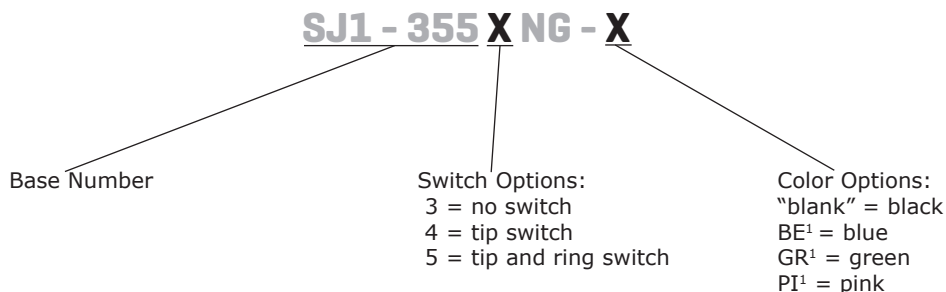
SERIES: SJ1-355XNG | **DESCRIPTION:** 3.5 MM AUDIO JACKS

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 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 | 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

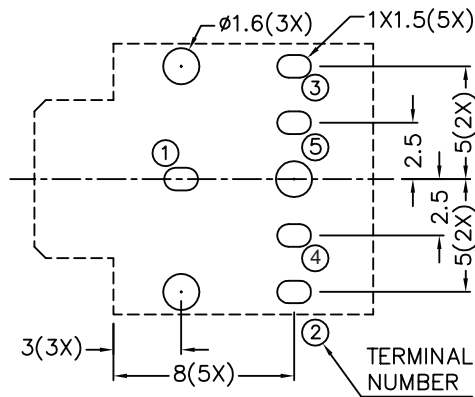
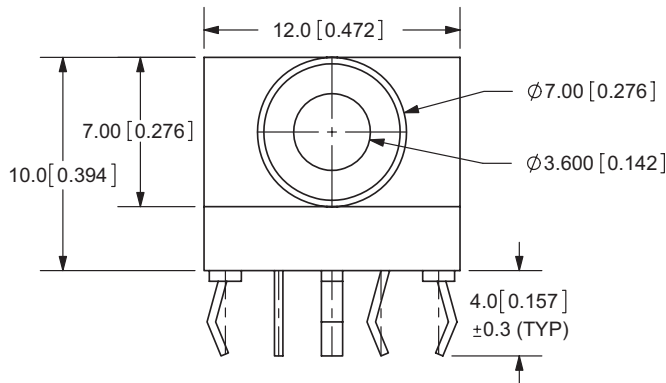
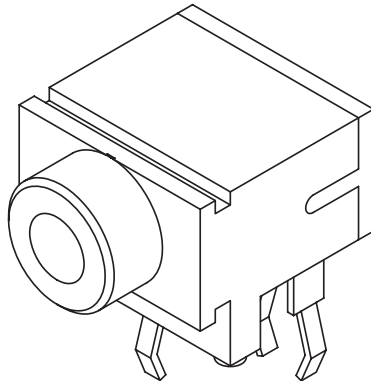
units: mm[inches]

TOLERANCE:

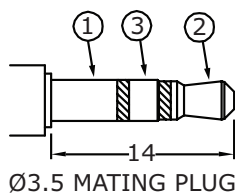
X.X ±0.2mm

X.XX ±0.1mm

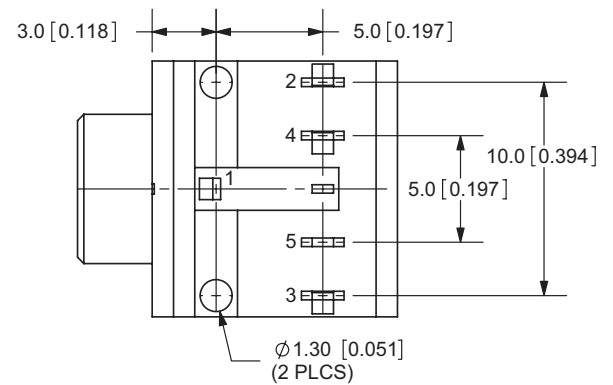
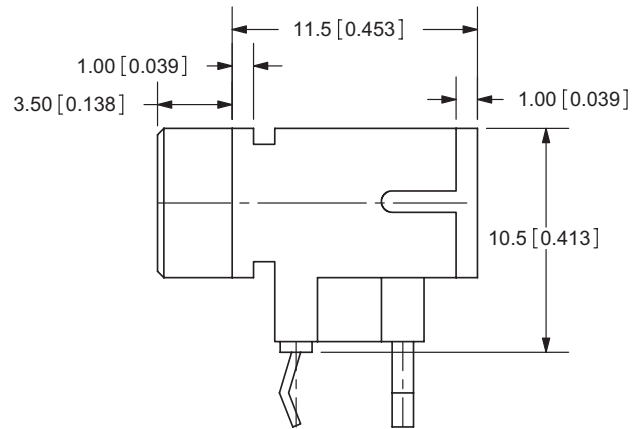
X.XXX ±0.05mm



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

| rev. | description | date |
|------|----------------------|------------|
| 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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