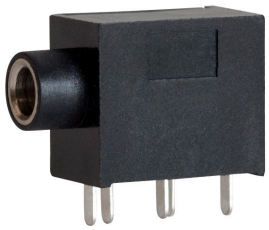
CUI INC®



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

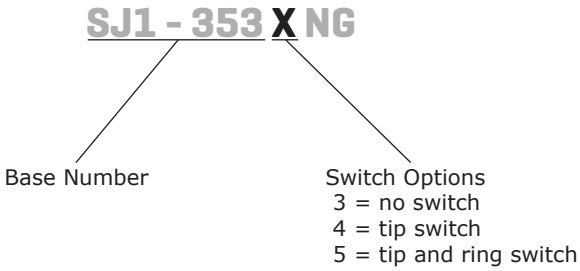
### FEATURES

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



RoHS

## PART NUMBER KEY




## 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<br>between terminal in a closed circuit* | | | 50<br>30 | mΩ<br>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 |

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

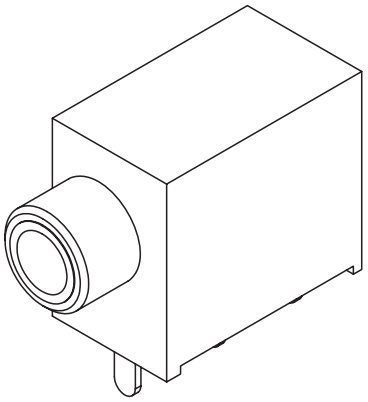
## SOLDERABILITY

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

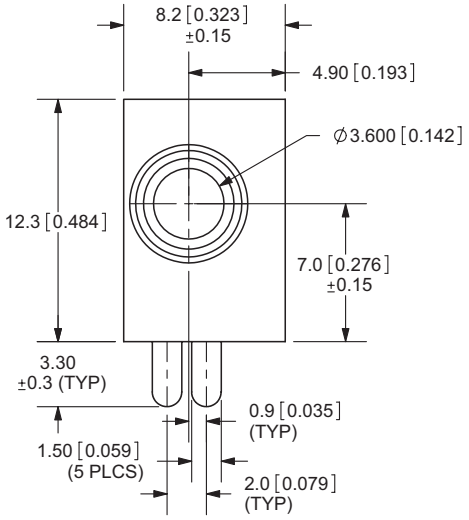
## MECHANICAL DRAWING

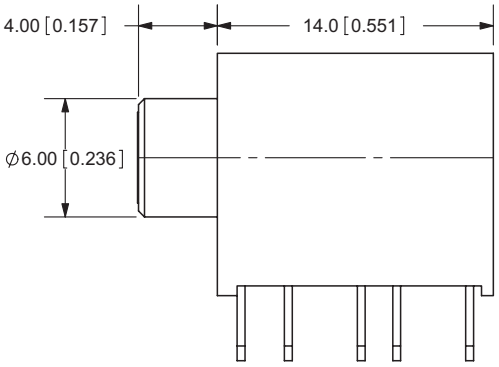
units: mm[inches]

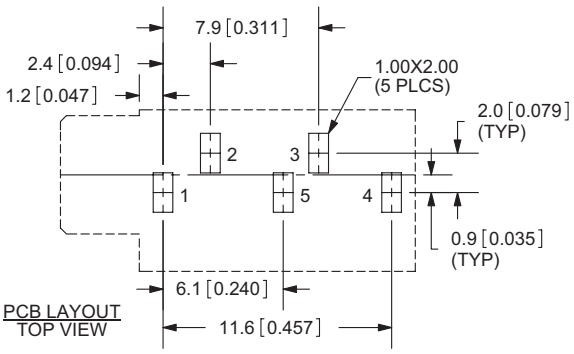
TOLERANCE:
X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm

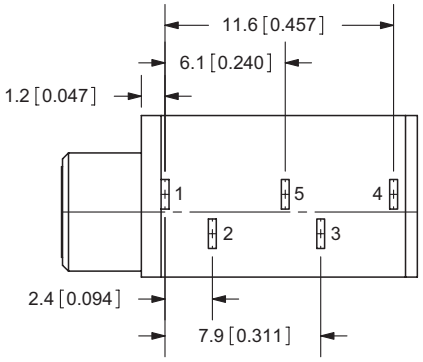


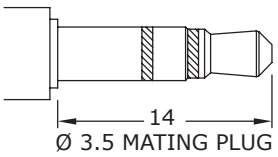
| | MATERIAL | PLATING |
|---|---|---|
| terminal 1 | brass | tin |
| terminal 2 | brass | tin |
| terminal 3 | brass | tin |
| terminal 4 | brass | tin |
| terminal 5 | brass | tin |
| bushing | brass | nickel |
| spring | stainless steel | |
| plastic | PBT | |

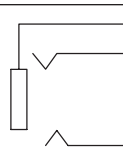
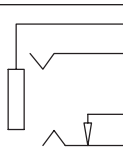
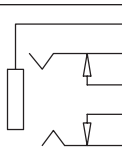



| Model No. | SJ1-3533NG | SJ1-3534NG | SJ1-3535NG |
|---|---|---|---|
| Schematic |  |  |  |
| PIN | | | |
| 1 | sleeve | sleeve | sleeve |
| 2 | tip | tip | tip |
| 3 | ring | ring | ring |
| 4 | NP | tip switch | tip switch |
| 5 | NP | NP | ring switch |

## 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 |

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

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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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