

**SERIES:** SJ-358XNG | **DESCRIPTION:** AUDIO JACK

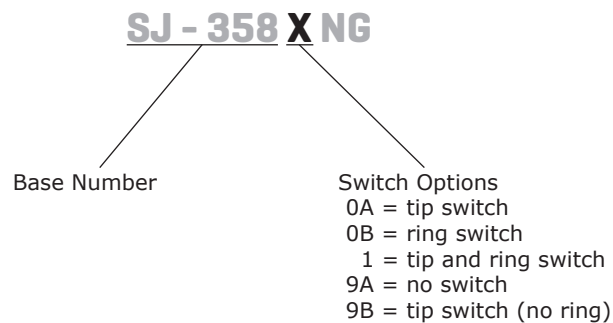
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**FEATURES**

- low profile design
- switch options include:
  - no switch
  - tip switch
  - ring switch
  - tip and ring switch
- w/isolated DPDT switch
- plastic bushing
- w/kinked pins

**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<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/withdrawal 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

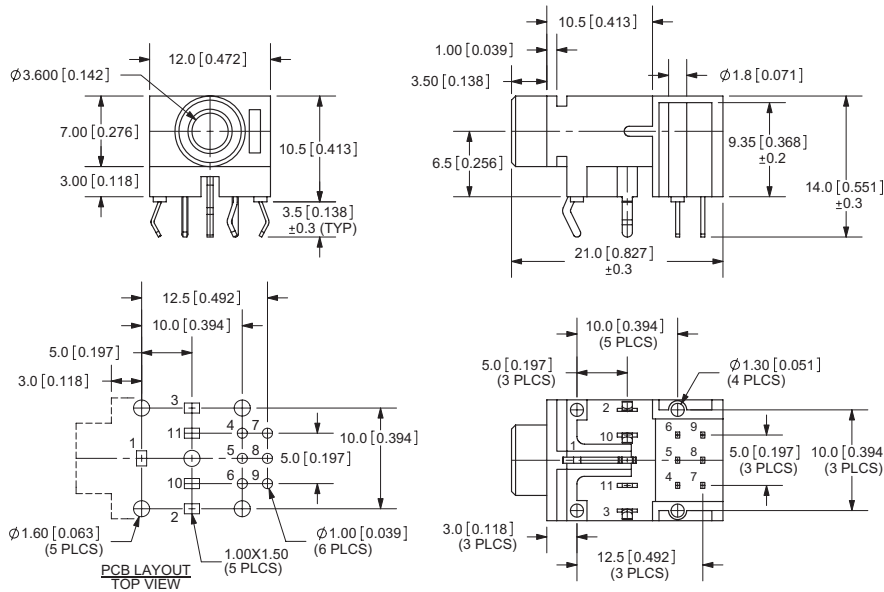
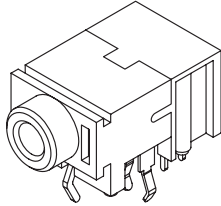
**SOLDERABILITY**

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

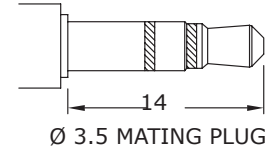
## MECHANICAL DRAWING

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   | copper alloy    | tin     |
| terminal 3   | copper alloy    | tin     |
| terminal 4   | brass           | silver  |
| terminal 5   | brass           | silver  |
| terminal 6   | brass           | silver  |
| terminal 7   | brass           | silver  |
| terminal 8   | brass           | silver  |
| terminal 9   | brass           | silver  |
| terminal 10  | brass           | tin     |
| terminal 11  | brass           | tin     |
| spring       | stainless steel |         |
| contact clip | C5210R-EH       | silver  |
| insulator    | PA66            |         |
| plastic      | PBT             |         |



| Model No. | SJ-3580ANG            | SJ-3580BNG            | SJ-3581NG             | SJ-3589ANG            | SJ-3589BNG            |
|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Schematic |                       |                       |                       |                       |                       |
|           | Plug Not Inserted<br> | Plug Not Inserted<br> | Plug Not Inserted<br> | Plug Not Inserted<br> | Plug Not Inserted<br> |
|           | Plug Inserted<br>     | Plug Inserted<br>     | Plug Inserted<br>     | Plug Inserted<br>     | Plug Inserted<br>     |
|           |                       |                       |                       |                       |                       |
| Pin       |                       |                       |                       |                       |                       |
| 1         | sleeve                | sleeve                | sleeve                | sleeve                | sleeve                |
| 2         | tip                   | tip                   | tip                   | tip                   | tip                   |
| 3         | ring                  | ring                  | ring                  | ring                  | NP                    |
| 10        | tip switch            | NP                    | tip switch            | NP                    | tip switch            |
| 11        | NP                    | ring switch           | ring switch           | NP                    | NP                    |

## REVISION HISTORY

| rev. | description          | date       |
|------|----------------------|------------|
| 1.0  | initial release      | 09/13/2006 |
| 1.01 | new template applied | 01/27/2012 |
| 1.02 | brand update         | 01/31/2020 |

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

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