

**SERIES:** SJ1-352XNG | **DESCRIPTION:** AUDIO JACK**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.

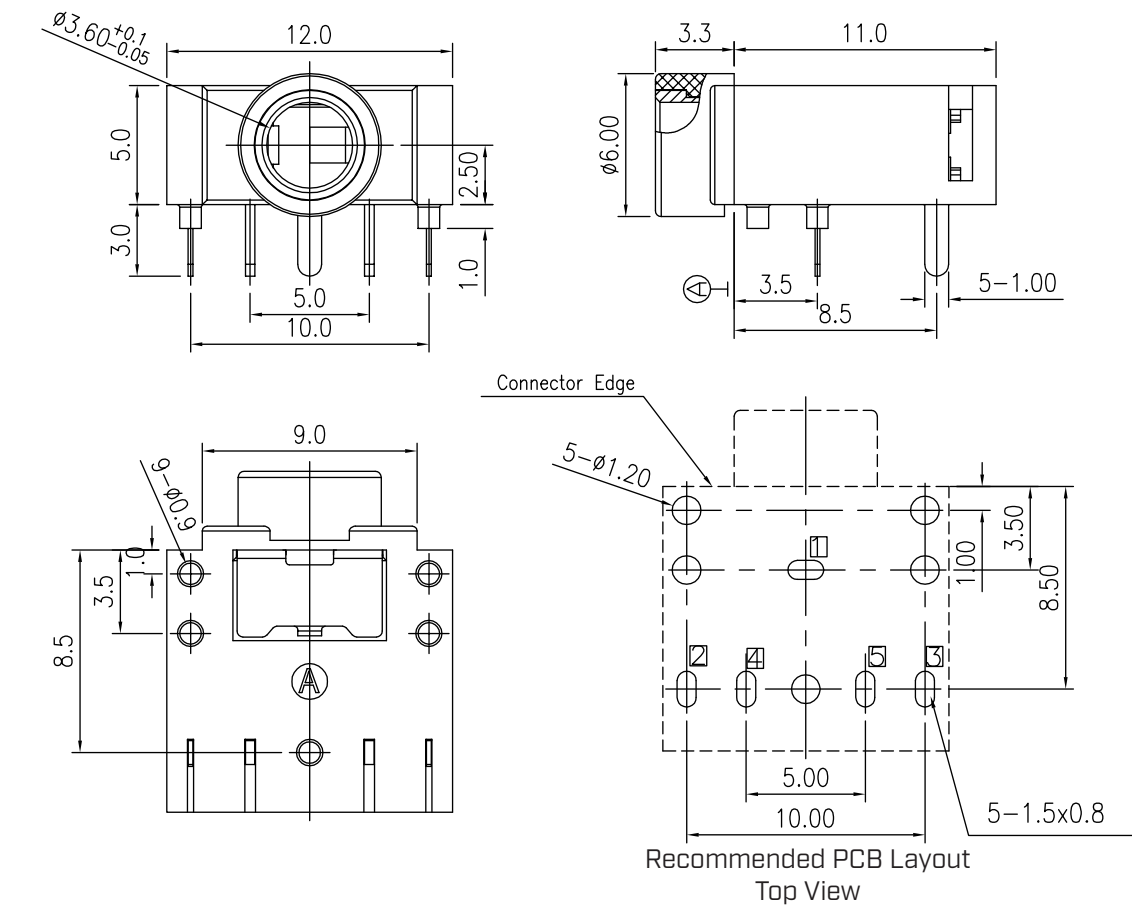
**SPECIFICATIONS**

| parameter                  | conditions/description                                                   | min | typ   | max       | units    |
|----------------------------|--------------------------------------------------------------------------|-----|-------|-----------|----------|
| rated input voltage        |                                                                          |     | 12    |           | Vdc      |
| rated input current        |                                                                          |     |       | 1         | A        |
| contact resistance         | between terminal and mating plug<br>between terminal in a closed circuit |     |       | 100<br>50 | mΩ<br>mΩ |
| insulation resistance      | at 500 Vdc                                                               | 100 |       |           | MΩ       |
| voltage withstand          | for 1 minute                                                             |     |       | 500       | Vac      |
| insertion/withdrawal force |                                                                          | 0.3 |       | 3         | kg       |
| operating temperature      |                                                                          | -25 |       | 85        | °C       |
| life                       |                                                                          |     | 5,000 |           | cycles   |
| flammability rating        | UL94V-0                                                                  |     |       |           |          |
| RoHS                       | yes                                                                      |     |       |           |          |

MECHANICAL DRAWING

units: mm  
tolerance:  
X.X ±0.30 mm  
X.XX ±0.25 mm  
X.XXX ±0.20 mm  
PCB: ±0.05 mm  
unless otherwise specified

| DESCRIPTION | MATERIAL               | PLATING/COLOR      |
|-------------|------------------------|--------------------|
| terminal 1  | copper alloy t=0.20    | silver over nickel |
| terminal 2  | stainless steel t=0.20 | silver over nickel |
| terminal 3  | stainless steel t=0.20 | silver over nickel |
| terminal 4  | brass t=0.40           | silver over nickel |
| terminal 5  | brass t=0.40           | silver over nickel |
| bushing     | brass                  | nickel             |
| housing     | PBT [UL94V-0]          | see color options  |



| Model No. | SJ1-3523NG | SJ1-3524NG | SJ1-3525NG  |
|-----------|------------|------------|-------------|
| 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 |

SOLDERABILITY

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for max 5 seconds      | 255 | 260 | 265 | °C    |



REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 10/21/2005 |
| 1.01 | new template applied                                                                          | 01/25/2012 |
| 1.02 | changed terminal plating to silver                                                            | 02/13/2019 |
| 1.03 | brand update                                                                                  | 10/10/2019 |
| 1.04 | product reengineered for improved manufacturability and production yield, see PCN for details | 03/30/2023 |
| 1.05 | updated housing mold                                                                          | 07/29/2024 |
| 1.06 | CUI Devices rebranded to Same Sky                                                             | 09/12/2024 |

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



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