



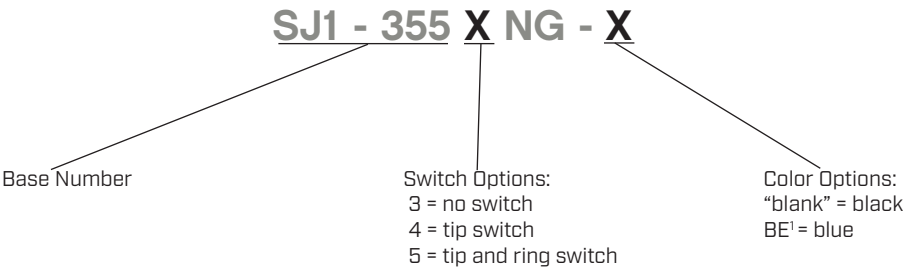
SERIES: SJ1-355XNG | DESCRIPTION: AUDIO JACK

FEATURES

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



PART NUMBER KEY



Notes: 1. Tip and ring switch model only

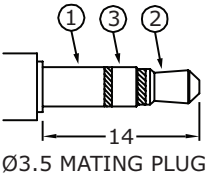
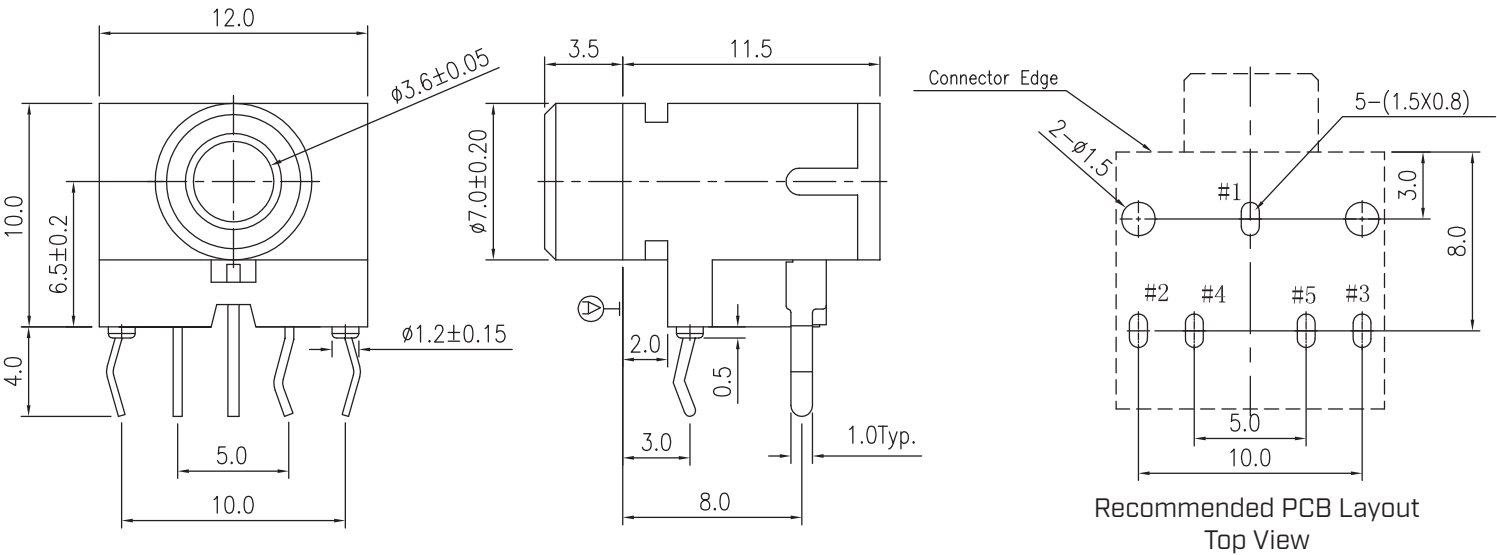
SPECIFICATIONS

| parameter                  | conditions/description               | min | typ   | max | units  |
|----------------------------|--------------------------------------|-----|-------|-----|--------|
| rated input voltage        |                                      |     | 12    |     | Vdc    |
| rated input current        |                                      |     |       | 1   | A      |
| contact resistance         | between terminal and mating plug     |     |       | 100 | mΩ     |
|                            | between terminal in a closed circuit |     |       | 30  | 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

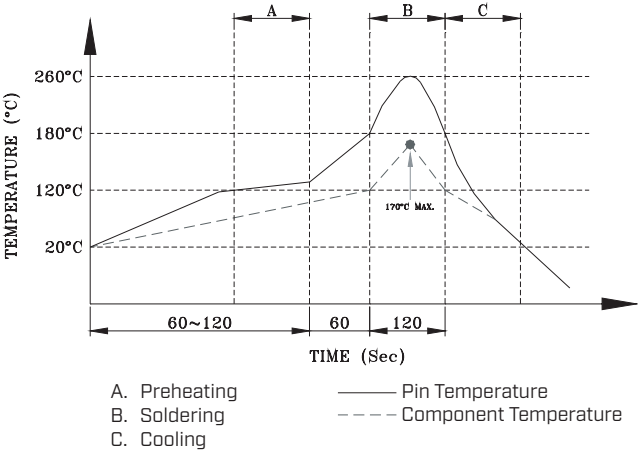
| DESCRIPTION | MATERIAL      | PLATING/COLOR   |
|-------------|---------------|-----------------|
| terminal 1  | C5191         | tin over nickel |
| terminal 2  | SUS           | tin over nickel |
| terminal 3  | SUS           | tin over nickel |
| terminal 4  | C2680         | tin over nickel |
| terminal 5  | C2680         | tin over nickel |
| housing     | PBT (UL94V-0) | black           |
| cover       | PBT (UL94V-0) | black           |



| 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 |

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                                                                               | 02/07/2006 |
| 1.01 | new template applied                                                                          | 02/15/2012 |
| 1.02 | updated datasheet                                                                             | 04/18/2017 |
| 1.03 | brand update                                                                                  | 10/10/2019 |
| 1.04 | discontinued models SJ1-3555NG-GR & SJ1-3555NG-PI; logo, datasheet style update               | 08/18/2022 |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 10/04/2022 |
| 1.06 | modified terminals                                                                            | 07/29/2024 |
| 1.07 | CUI Devices rebranded to Same Sky                                                             | 09/12/2024 |

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



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

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