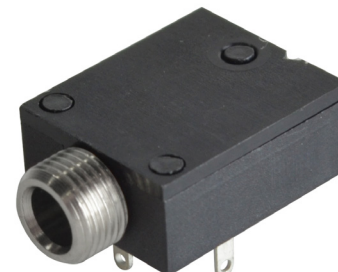
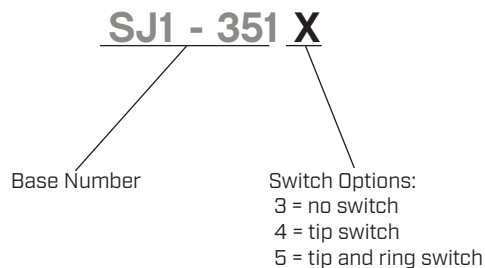


**SERIES:** SJ1-351X | **DESCRIPTION:** AUDIO JACK**FEATURES**

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

**PART NUMBER KEY****SPECIFICATIONS**

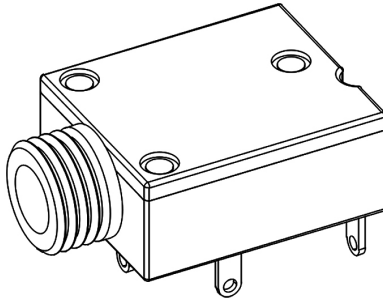
| parameter                  | conditions/description   | min | typ   | max      | units    |
|----------------------------|--|-----|-------|----------|----------|
| rated input voltage        |  |     | 12    |          | Vdc      |
| rated input current        |  |     |       | 1        | A        |
| 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          | 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  |     |       |          |          |

**SOLDERABILITY**

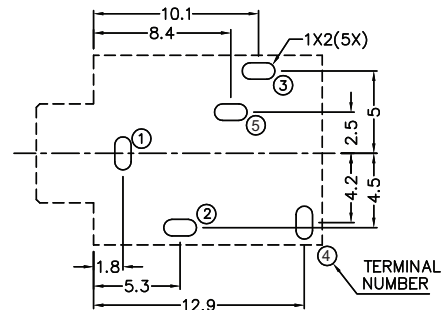
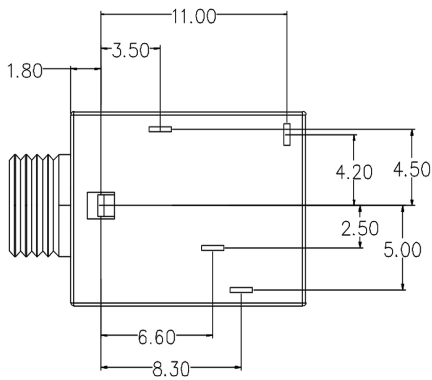
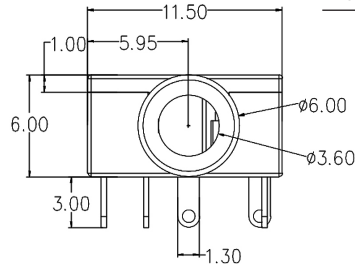
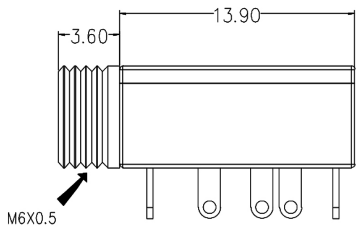
| parameter      | conditions/description                  | min | typ | max | units |
|----------------|---|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds | 255 | 260 | 265 | °C    |

## MECHANICAL DRAWING

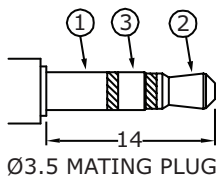
units: mm  
 tolerance:  
 X.X ±0.2 mm  
 X.XX ±0.10 mm  
 X.XXX ±0.050 mm  
 unless otherwise specified



| DESCRIPTION | MATERIAL              | PLATING/COLOR |
|-------------|-----------------------|---------------|
| terminal 1  | brass t=0.3           | silver        |
| terminal 2  | phosphor bronze t=0.3 | silver        |
| terminal 3  | brass t=0.3           | silver        |
| terminal 4  | brass t=0.3           | silver        |
| terminal 5  | phosphor bronze t=0.3 | silver        |
| bushing     | brass                 | nickel        |
| spring      | steel                 | black         |
| cover       | PBT (UL94V-0)         | black         |
| housing     | PBT (UL94V-0)         | black         |
| nut         | zinc alloy            | tin           |



Recommended PCB Layout  
Top View



| Model No. | SJ1-3513 | SJ1-3514   | SJ1-3515    |
|-----------|----------|------------|-------------|
| 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   | 09/09/2006 |
| 1.01 | new template applied  | 09/10/2011 |
| 1.02 | nut drawing added   | 01/25/2012 |
| 1.03 | changed top cover to PBT  | 04/19/2017 |
| 1.04 | changed terminal plating to silver  | 02/12/2019 |
| 1.05 | brand update  | 10/09/2019 |
| 1.06 | product reengineered for improved manufacturability and production yield, see PCN for details | 06/30/2023 |

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



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