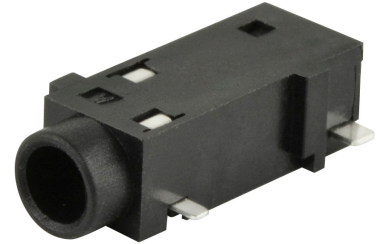
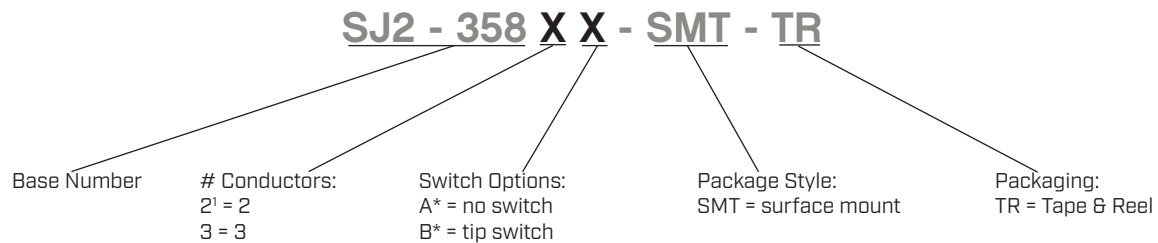


**SERIES:** SJ2-358X-SMT | **DESCRIPTION:** AUDIO JACK**FEATURES**

- right angle
- reflow solder compatible
- surface mount

**PART NUMBER KEY**

Notes: 1. 2 conductor option only available with tip switch  
\*Discontinued models SJ2-3583B-SMT-TR, SJ2-3583A-SMT-TR & SJ2-3582B-SMT-TR

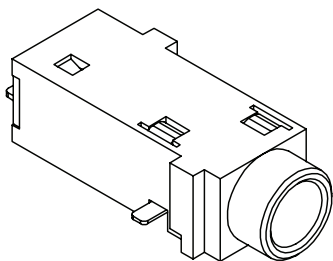
**SPECIFICATIONS**

| parameter                       | conditions/description               | min | typ   | max | units  |
|---------------------------------|--------------------------------------|-----|-------|-----|--------|
| rated input voltage             |                                      |     | 12    |     | Vdc    |
| rated input current             |                                      |     |       | 1   | A      |
| contact resistance <sup>2</sup> | between terminal and mating plug     |     |       | 50  | 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                            | at a rate of 24 cycles/minute        |     | 5,000 |     | cycles |
| flammability rating             | UL94V-0                              |     |       |     |        |
| RoHS                            | yes                                  |     |       |     |        |

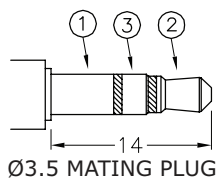
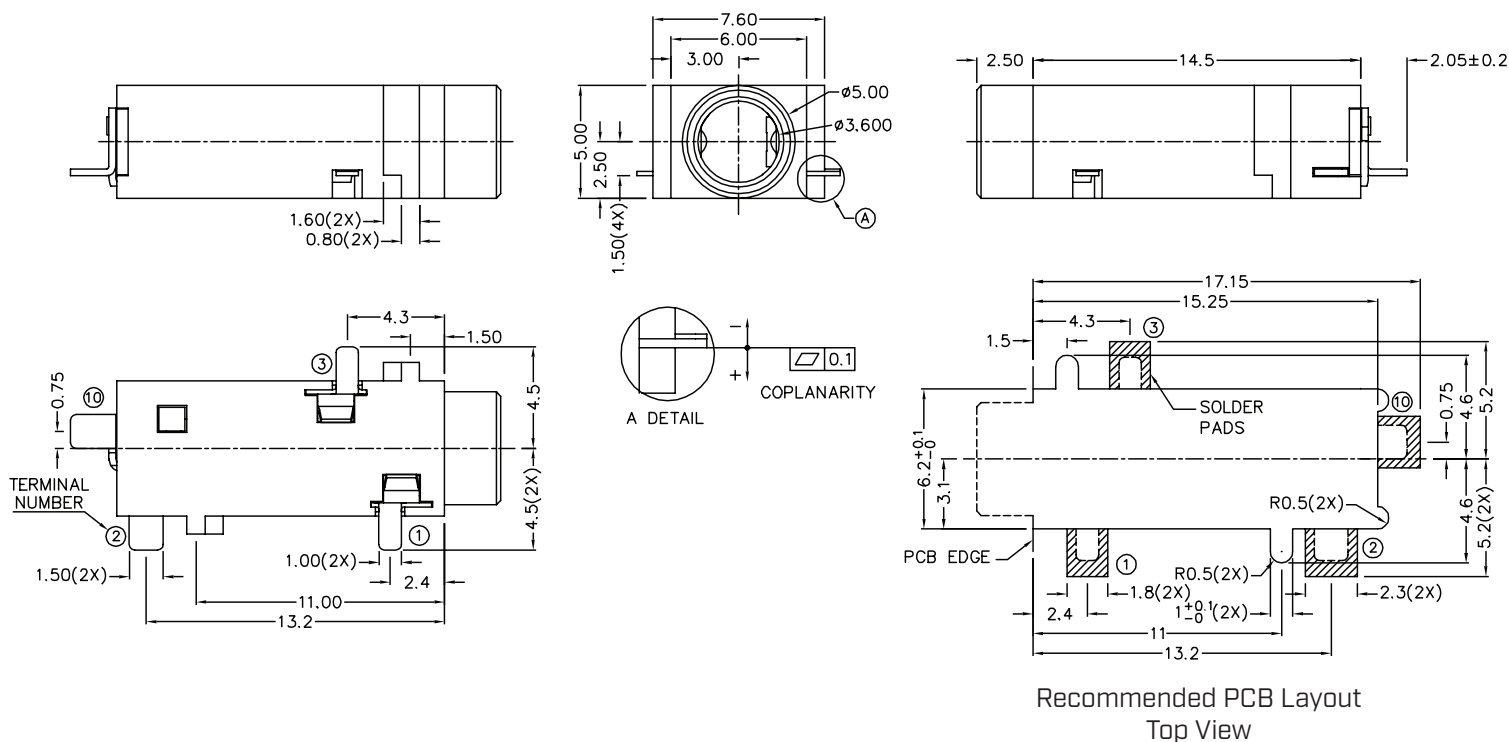
Note: 2. When measured at a current of less than 100 mA/1 kHz  
3. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
 tolerance:  
 X.X  $\pm 0.2$  mm  
 X.XX  $\pm 0.10$  mm  
 X.XXX  $\pm 0.050$  mm  
 PCB:  $\pm 0.05$  mm



|             | MATERIAL     | PLATING |
|-------------|--------------|---------|
| terminal 1  | copper alloy | silver  |
| terminal 2  | copper alloy | silver  |
| terminal 3  | copper alloy | silver  |
| terminal 10 | brass        | silver  |
| plastic     | PA10T        |         |



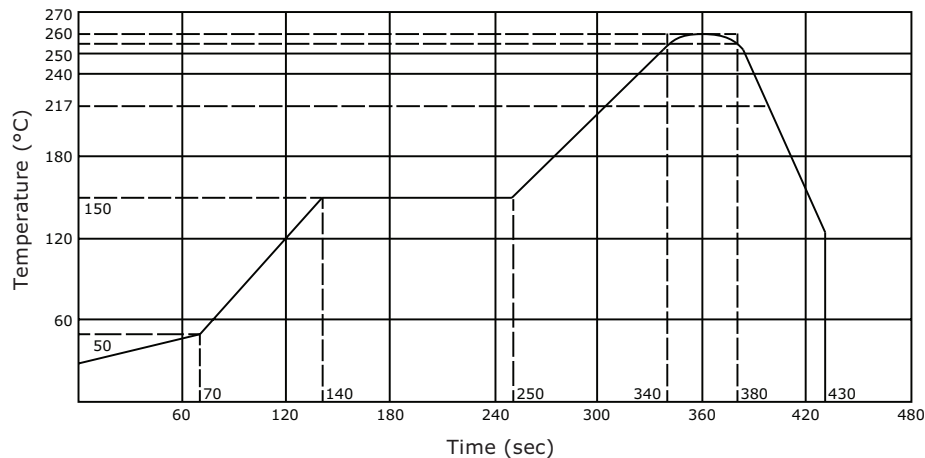
| Model No. | SJ2-3582B-SMT | SJ2-3583A-SMT | SJ2-3583B-SMT |
|-----------|---------------|---------------|---------------|
| Schematic |               |               |               |
| PIN       |               |               |               |
| 1         | sleeve        | sleeve        | sleeve        |
| 2         | tip           | tip           | tip           |
| 3         | NP            | ring          | ring          |
| 10        | tip switch    | NP            | tip switch    |

## SOLDERABILITY

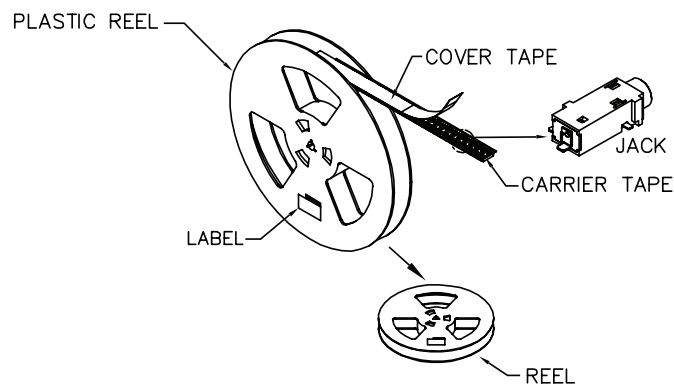
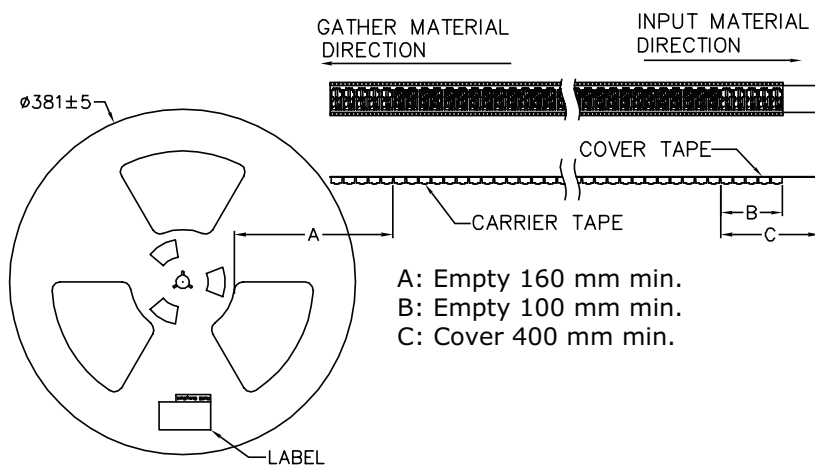
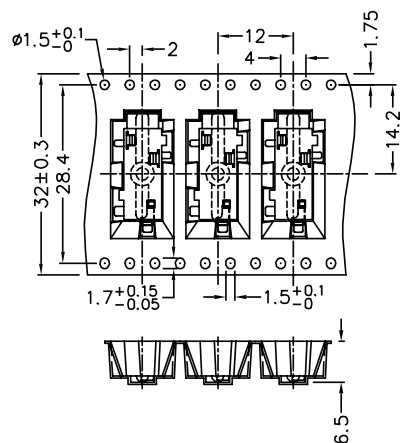
| parameter                      | conditions/description                                                                                   | min | typ | max | units |
|--------------------------------|----------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <80%                                                                                |     |     | 40  | °C    |
| reflow soldering <sup>1</sup>  | see reflow profile                                                                                       | 255 | 260 | 265 | °C    |
| drying conditions <sup>2</sup> | parts in reel: bake at 40°C ±5°C for 72 hours<br>parts removed from reel: bake at 40°C ±5°C for 10 hours |     |     |     |       |

Note:

1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
2. When exceeding floor life by >72 hours.



## PACKAGING



## REVISION HISTORY

| rev. | description                                                                                             | date       |
|------|---------------------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                                         | 12/07/2016 |
| 1.01 | added storage and drying conditions                                                                     | 07/21/2017 |
| 1.02 | brand update                                                                                            | 10/10/2019 |
| 1.03 | discontinued models SJ2-3583B-SMT-TR, SJ2-3583A-SMT-TR & SJ2-3582B-SMT-TR; logo, datasheet style update | 08/18/2022 |

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



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

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