

### *ST-3100 Series PCB Mount 3.5mm Audio Jack*

### Features



- Audio Applications for Computers and Multimedia
- Can Be Used To Activate Speakers, an Equalizer or to Configure the Audio Signal
- Available with Up to One Double-Pole Single-Throw Switch and One Double-Pole Double-Throw Switch in One Audio Jack
- CSA/NRTL Certified File No. LR78160

### Performance Specifications

#### **Materials and Finish** Audio Jack

Plastic Housing: PBT Thermoplastic, Black Color UL94V-0 Rated Bushing: Copper Alloy, Nickel Plated Sleeve: SPCC, Nickel Plated Sleeve Spring: Phosphor Bronze TIP and Ring: P.B.S., Tin Plated N.C. Terminals: Copper Alloy, Tin Plated

**A**/

#### Switch

Housing: PBT Thermoplastic, Black Color, UL94V-0 Rated Clip Housing: Polyacetal Cover: PC/PBT Terminals: Brass Silver Plated Clip: P.B.S. Switch Spring: SWP Steel

### Mechanical Characteristics

**Insertion Force** 0.4kg - 2.0 kg

**Extraction Force** 0.3kg - 2.0kg

**Durability** 5000 Mating Cycles

# AUDIO JACKS

## ST-3100 Series

### **Electrical Characteristics**

Contact Rating DC 16V at 0.3 Amps

#### **Contact Resistance**

Before Durability Test To Terminals: 30 Milliohms Max. To Sleeve: 50 Milliohms Max. After Durability Test To Terminals: 60 Milliohms Max. To Sleeve: 100 Milliohms Max.

#### **Insulation Resistance**

100 Megohms Min. at 250V DC

#### **Dielectric Strength** 250V AC RMS for 1 Minute

**Operating Temperature** -25°C to +80°C

### **Ordering Information**

ST-3100	_	3	Ν	В	
Series		Number	Threading	Back	
		of	Option	Plate	
		Pins	·	Options	

#### Series

ST-3100 - 3.5mm Audio Jacks

#### **Number of Pins**

- 3 3 Pins Audio Jack, No Switch
- 5 5 Pins One Double-Pole Single-Throw Switch
- 9 9 Pins One Double-Pole Double-Throw Switch
- 11 11 Pins One Double-Pole Single-Throw Switch/One Double-Pole Double-Throw Switch

#### Threading Option

C - Threaded

### N - Non Threaded

### Back Plate Option (3 & 5 pin only)

Blank - No Back Plate B - With Back Plate

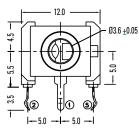


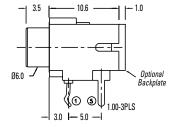
### ST-3100 Series Dimensions

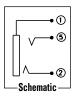
Dimensions in mm

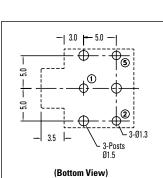
#### ST-3100-3N

(3 Pins, Non-Threaded)









**Recommended PCB Layout** -

17.6

3.5

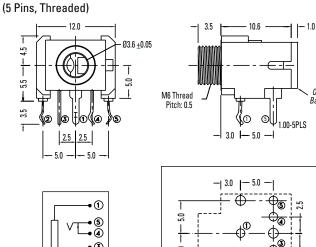
# **AUDIO JACKS**

ST-3100 Series

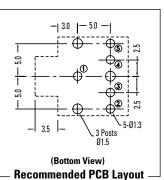
### ST-3100 Series Dimensions

Dimensions in mm

### ST-3100-5C



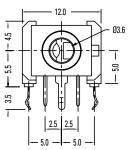


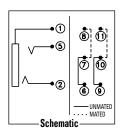


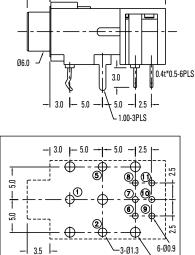
Optional Backplate

### ST-3100-9N

(9 Pins, Non-Threaded)







## (Bottom View) Recommended PCB Layout —

5 Posts Ø1.5 **ST-3100-11C** (11 Pins, Threaded)

