



## AUDIO JACKS: STX-3100 Series PCB Mount 3.5mm Audio Jack

### Product 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 &  
One Double-Pole Double-Throw Switch in One Audio Jack  
CSA/NRTL Certified File No. LR78160

### Performance Specifications

#### Materials and Finish

#### Housing

PBT Thermoplastic, Black Color, UL94V-0 Rated

#### Bushing

Brass, Nickel Plated

#### Terminals

Pin #1: Brass, Nickel Plated

Pin #5 and Pin #2: Phosphor Bronze, Matte Tin Plated

Pin #3 and Pin #4: Brass, Matte Tin Plated

Slide Switch Terminals: Brass, Silver Plated

### Mechanical Characteristics

#### Insertion Force

0.3kg - 3.0kg

#### Extraction Force

0.3kg - 2.0kg

#### Durability

5000 Mating Cycles

### Electrical Characteristics

#### Contact Resistance

#### Before Durability Test

30 milliohms Max.

#### After Durability Test

60 milliohms Max.

#### Insulation Resistance

100 Megohms Min. at 250V DC

#### Dielectric Withstanding Voltage

250V AC RMS for 1 Minute

#### Operating Temperature

-25°C to + 85°C

|                       |                     |                      |                  |
|-----------------------|---------------------|----------------------|------------------|
| 2D Drawing            | IGES                | STEP                 | 3D PDF           |
| Solder Profile        | CofC RoHS Compliant | CofC REACH Compliant | UL Plastic File  |
| Certificate of Origin | Check Stock         | Request a Sample     | Send Us An Email |

#### Generated Part Number

#### Part Number Builder

|        |   |                   |                     |                      |
|--------|---|-------------------|---------------------|----------------------|
|        | - |                   |                     |                      |
| Series |   | Number<br>of Pins | Threading<br>Option | Back Plate<br>Option |

#### Series

STX-3100 - 3.5mm Audio Jack

#### Number of Pins

3 Pins - Audio Jack, No Switch

5 Pins - One Double-Pole Single-Throw Switch

9 Pins - One Double-Pole Double-Throw Switch

11 Pins - One Double-Pole Single-Throw Switch/  
One Double-Pole Double-Throw Switch

#### Threading Option

C - Threaded Barred

N - Non-Threaded Barred

#### Back Plate Option

Blank - No Back Plate

B - With Back Plate (Available only with 3 & 5 Pins Option)

Contact Kycon for other options

### STX-3100-3C

Dimensions in mm

