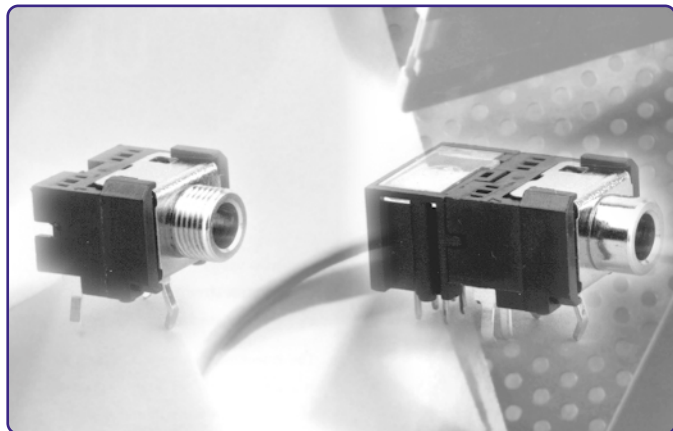




ST-3100 Series PCB Mount 3.5mm Audio Jack

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

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



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	N	B
Series		Number of Pins	Threading Option	Back Plate 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

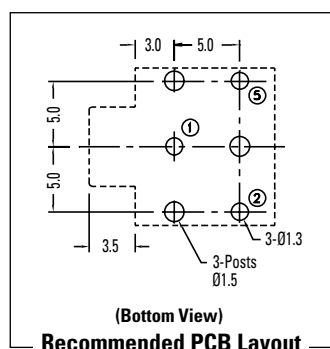
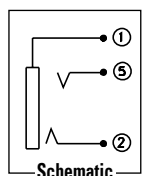
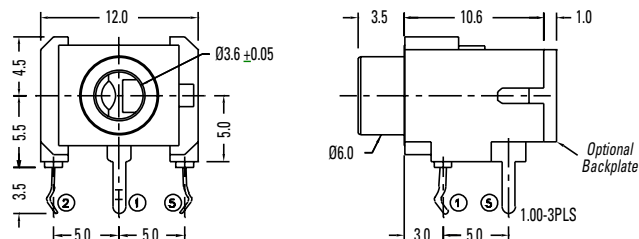
B - With Back Plate

ST-3100 Series Dimensions

Dimensions in mm

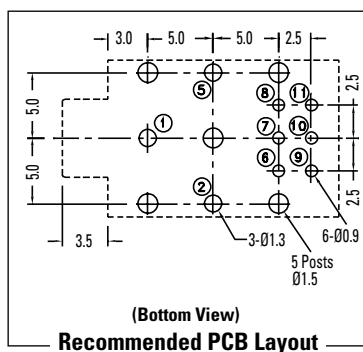
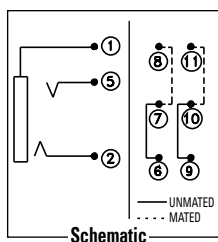
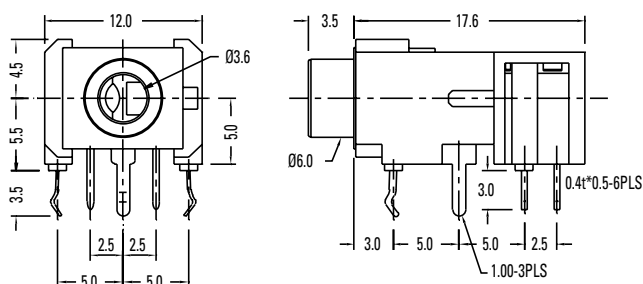
ST-3100-3N

(3 Pins, Non-Threaded)



ST-3100-9N

(9 Pins, Non-Threaded)

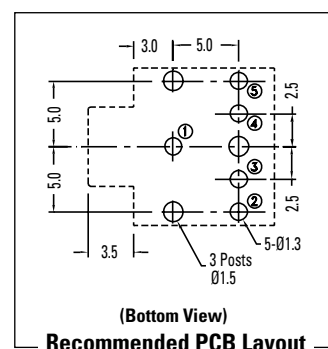
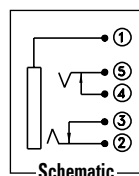
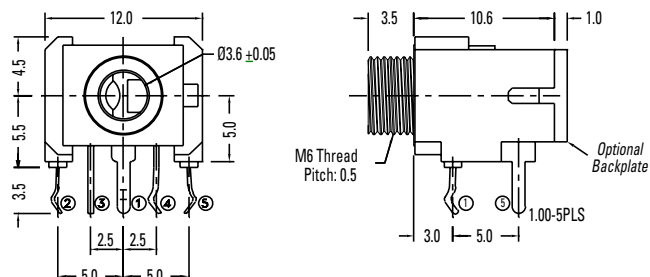


ST-3100 Series Dimensions

Dimensions in mm

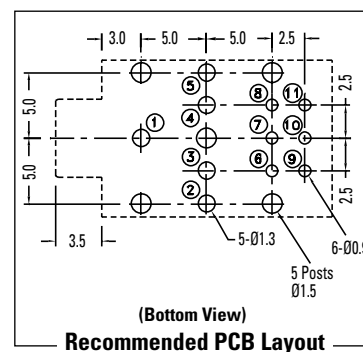
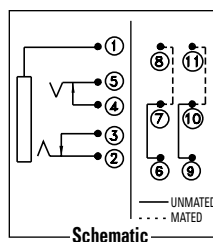
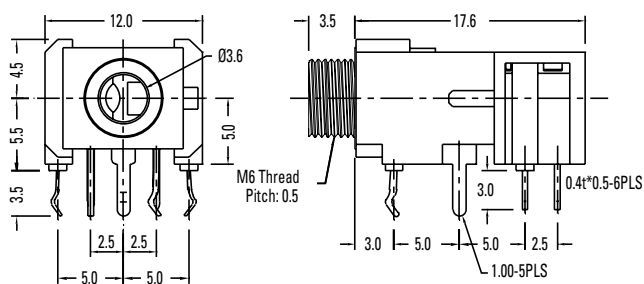
ST-3100-5C

(5 Pins, Threaded)



ST-3100-11C

(11 Pins, Threaded)



Mouser Electronics

Authorized Distributor

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[ST-3100-9C](#) [ST-3100-9N](#) [ST-3100-3CB](#) [ST-3100-11C-HT](#) [ST-3100-5CB](#) [ST-3100-11C](#) [ST-3100-11N](#) [ST-3100-11CB](#) [ST-3100-3NB](#)