



Recommended PCB Layout  
(Bottom View)

**Materials and Finish**

Housing: PBT Thermoplastic  
15% Glass Filled, Black Color  
UL 94V-0 Rated

Terminals:  
Pin #1: Brass, Nickel Plated  
Pin #5 & Pin #2:  
Phosphor Bronze, Matte Tin Plated  
Pin #3 & Pin #4:  
Brass, Matte Tin Plated

Bushing: Brass, Nickel Plated

**Electrical Characteristics**

Rated Voltage: DC 24 V  
Rated Current: 3.0 A  
Contact Resistance:  
Before Test: 50mohms Max.  
After Durability Test: 100 mohms Max.

Insulation Resistance:  
More Than 100 Megohms  
At 500V DC

Dielectric Strength:  
500V AC RMS for 1 Minute

Operating Temp: -25°C to +85°C

**Mechanical Characteristics**

Insertion Force: 0.3kg - 3.0kg  
Extraction Force: 0.3kg - 3.0kg  
Durability: 5000 Mating Cycles Min.

Tolerances
X.X ± 0.3
X.XX ± 0.15
Unless Stated Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	9/6/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	07/13/05
A2	11/8/06	ECO 06-046	R. Aguirre	H. MA		
A3	06/02/08	Add Nut Info.	S. Vien	H. MA		
A4	07/14/11	ECO #11-033	S. Vien	P. DalCanto		
A5	08/14/18	Update Address	D. Shehan	N/A		
A6	04/22/19	ECO #19-035	C. Kelleher	D. Shehan		

**STX-3100-5CB**

3.5mm Stereo Jack, RoHS Compliant

One Single Throw Double Pole Switch, with Backplate

