



Recommended PCB Layout (Top View)

**Materials and Finish**

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

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

**Electrical Characteristics**

Contact Resistance:  
Before Test: 50 milliohms Max.  
After Durability Test:  
100 milliohms 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:  
0.4kg - 3.0kg

Extraction Force:  
0.3kg - 3.0kg

Durability: 5000 mating cycles



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	6/8/04	New Drawing	C. Leiva	H. MA	C. Leiva	6/8/04
A1	6/2/06	Release Drawing	H. MA	N/A		
B1	08/12/09	ECO #09-039	S. Vlen	H. MA		
B2	11/11/10	ECO #10-078	S. Vlen	H. MA		

**STX-3120-5B**

UNITS  
mm

Stereo Jack, 3.5mm, Right Angle, RoHS Compliant  
5 Position, Thru-Hole, All Plastic Body, Back Cover

