



Recommended PCB Layout  
(Top View)

**Materials and Finish**

Housing: polyamide,  
UL 94V-0 rated, black color,  
reflow process compatible

Terminals: Phosphor Bronze  
gold flash all over  
nickel underplating

**Mechanical Characteristics**

Insertion Force:  
3.0kg max.

Extraction Force:  
0.2kg min.

Durability: 5000 mating cycles

\*\*Use a maximum plug length  
of 15.25±0.1mm\*\*

**Electrical Characteristics**

Contact Resistance:  
Before Test: 50 milliohms max.  
After Durability Test:  
100 milliohms max.

Rated Voltage:  
16 V DC

Rated Current:  
0.3A

Insulation Resistance:  
100 Megohms min.  
at 500V DC

Dielectric Strength:  
500V AC RMS for 1 minute

Operating Temperature:  
-25°C to +85°C



Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	9/28/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	07/14/05
A1	07/12/06	Release drawing	R. Aguirre	H. MA		
B1	04/11/07	ECO #07-010	R. Aguirre	H. MA		
						UNITS
						mm

**STX-3500-3N-GTR**

Ø3.5mm Stereo Jack, 3 Position, RoHS Compliant

All-Plastic Body, Right Angle SMT, tape&reel

