



Recommended PCB Layout
(bottom view)



Materials and Finish

Housing: PBT thermoplastic
30% glass filled, black color
UL 94V-0 Rated

Contacts:

- 1, 4: phosphor bronze, tin plated
- 2, 3: brass, tin plated

Mechanical Characteristics

Insertion Force: 0.4 to 2.0 kg
Extraction Force: 0.3 to 2.0 kg
Durability: 5000 mating cycles

Electrical Characteristics

Contact Resistance:
Before Test: 30 mohms max.
After Durability Test:
60 mohms max.

Insulation Resistance:
more than 100 Megohms
at 250V DC

Dielectric Strength:
250V AC (rms) for 1 minute

Operating Temperature:
-25°C to +80°C

Part Number Information

| Part Number | ST-3002-4N | ST-3002-3N | ST-3002-3NM | ST-3002-2N |
|-------------|------------|------------|-------------|------------|
| No. of Pins | 4 | 3 | 3 (mono) | 2 |
| Schematic | | | | |



the **vital**
component



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

| DATE | DESCRIPTION | REV. BY | CHK. BY | DRAWN BY | DATE |
|--------|-------------|------------|---------|------------|----------|
| 9/8/05 | New Drawing | R. Aguirre | H. MA | R. Aguirre | 07/11/05 |
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STX-3002-xx

xx = contact configuration

Vertical Thru-Hole 3.5mm Stereo Jack, RoHS Compliant

2 to 4 pins. Including mono, non-tinned barrel, all plastic body

