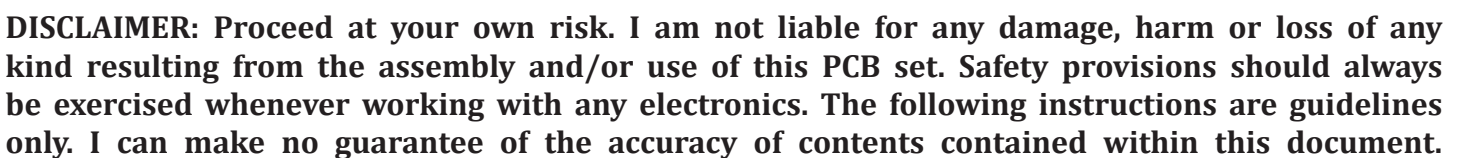
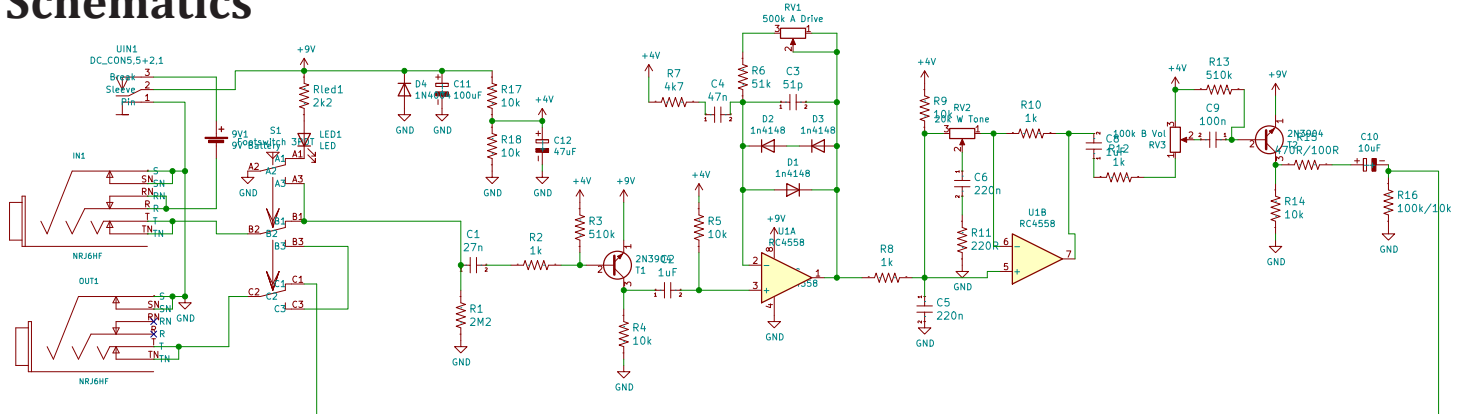


Let me introduce this Mini Project. It's basically a Guitar Effect Pedal. The main idea is to recreate a famous Ibanez Tubescreamer. You also have Options to make either TS9 or TS808. We have designed this Project in Business Card Format 85x55mm. In this Sheet you get Schematic, BOM and Overlay. In the Future we will add 3D Files for printing your own case with a 3D Printer. It also fits perfectly in a Hammond Aluminium Case. Have Fun!

[illegible]

# Schematics



## Bill of Materials (BOM)

|    |                      |                        |   |                 |
|----|----------------------|------------------------|---|-----------------|
| 1  | 9V1                  | Battery Connection     | 1 | 9V Battery      |
| 2  | C9                   | Wima 5mm               | 1 | 100n            |
| 3  | C6,C5                | Wima 5mm               | 2 | 220n            |
| 4  | C3                   | Ceramic 5mm            | 1 | 51p             |
| 5  | C4                   | Wima 5mm               | 1 | 47n             |
| 6  | C1                   | Wima 5mm               | 1 | 27n             |
| 7  | C8,C2                | Wima 5mm               | 2 | 1uF             |
| 8  | C12                  | Electrolytic           | 1 | 47uF            |
| 9  | C10                  | Electrolytic           | 1 | 10uF            |
| 10 | C11                  | Electrolytic           | 1 | 100uF           |
| 11 | D3,D1,D2             | Diode                  | 3 | 1n4148          |
| 12 | D4                   | Diode                  | 1 | 1N4004          |
| 13 | UIN1                 | DC9V2,1+5,5            | 1 | DC_CON5,5+2,1   |
| 14 | U1                   | DIP-8_W7.62mm          | 1 | RC4558          |
| 15 | S1                   | Fusschalter Print 3DPT | 1 | Footswitch 3PDT |
| 16 | LED1                 | LED 3mm                | 1 | LED             |
| 17 | RV3                  | 16mm Potentiometer     | 1 | 100k B Vol      |
| 18 | RV2                  | 16mm Potentiometer     | 1 | 20k W Tone      |
| 19 | RV1                  | 16mm Potentiometer     | 1 | 500k A Drive    |
| 20 | R12,R10,R8,R2        | Resistor               | 4 | 1k              |
| 21 | Rled1                | Resistor               | 1 | 2k2             |
| 22 | R16                  | Resistor               | 1 | 100k/10k        |
| 23 | R15                  | Resistor               | 1 | 470R/100R       |
| 24 | R14,R9,R5,R4,R18,R17 | Resistor               | 6 | 10k             |
| 25 | R13,R3               | Resistor               | 2 | 510k            |
| 26 | R11                  | Resistor               | 1 | 220R            |
| 27 | R6                   | Resistor               | 1 | 51k             |
| 28 | R7                   | Resistor               | 1 | 4k7             |
| 29 | R1                   | Resistor               | 1 | 2M2             |
| 30 | T2,T1                | Transistor T092        | 2 | 2N3904          |
| 31 | IN1,OUT1             | Jack ¼                 | 2 | NRJ6HF          |