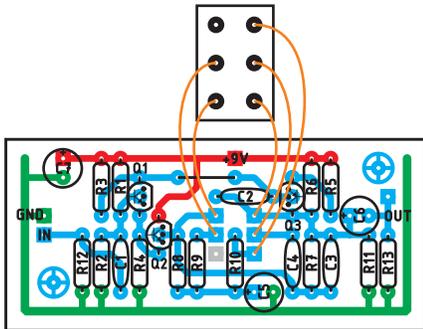
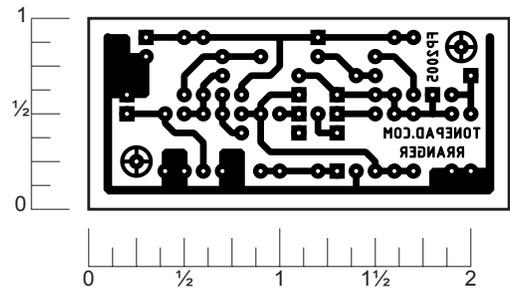


Build the Red Ranger on this layout. The Red Ranger doesn't have any potentiometers, instead it uses a 2PDT center off switch to select between bass, full and treble boosts. Off board components are not shown on the layout. Registered trademarks are property of their owners.



LAYOUT



READY TO TRANSFER

PARTS LIST

Resistors

- R1 - 220k
- R2 - 220k
- R3 - 3k
- R4 - 10k
- R5 - 47 ohm
- R6 - 100k
- R7 - 100k
- R8 - 27k
- R9 - 8k2 (8.2k)
- R10 - 10k
- R11 - 8.2k
- R12 - 2M2 (2.2M)*
- R13 - 2M2 (2.2M)*

* not in original schematic

Capacitors

- C1 - 0.047 μ F
- C2 - 10pF
- C3 - 10pF
- C4 - 0.01 μ F
- C5 - 4.7 μ F
- C6 - 4.7 μ F
- C7 - 100 μ F

Transistors

- Q1 - 2N5088
- Q2 - 2N5088
- Q3 - 2N5087

Other

- 1 - DPDT center off switch

