

Board 5 modification for A/D readback.

1. Remove the solder from pin 18 of U12(AD670) use solder wick, cut the pin as close to the board as possible and lift up(don't break it off). Clean out the PCB hole with solder wick.
2. Remove pins 1, 5 and 8 from the OP184 device, bend them up and down with a needle nose pliers – they should break off right at the IC package. Flatten pin 7 with pliers(90 degrees to the IC package), bend pins 2, 3 and 6 straight down the side of the IC package, leave pin 4 as is.
3. Flip OP184 over and solder pin 4 to pin 4 of U13(make sure IC is laying flat on PCB)
4. Solder capacitor lead between pin 7 of OP184 and Q1 pin 3.
5. Solder blue wire to U13's pin 18 PCB hole and pin 3 of OP184.
6. Solder capacitor lead between Pin 18 of U12 and pin 2 of OP184, it should also be soldered to pin 6 of OP184.
7. Lift pin 10 of U6 and connect to pin 11 of U6, (pin 10 pad should not connect to anything).
8. Replace R14 on the bottom of the board with a 15K resistor.

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