

R = remove,
Total 5 items

R1 and R2 are analog output coupling caps. You may leave them.

R3 is DAC bypass caps, I don't use internal DAC so I removed it; again that cap in parallel with other caps may degrade the sound.

R4 is a choke that probably isolated the rest of the boombox circuitry from digital section, it is not needed now and actually found to degrade the sound.

R5 is a main filter cap (470uF): you don't need it if using large cap after LM7808 regulator (and if parallel with a new cap it will degrade the sound)

E = exchange

- E1 - 10 μ F
- E2 - 33 μ F
- E3 - 4.7 μ F
- E4 - 4.7 μ F
- E5 - 47 μ F
- E6 - 10nF
- E7 - 16.9C77

A = add

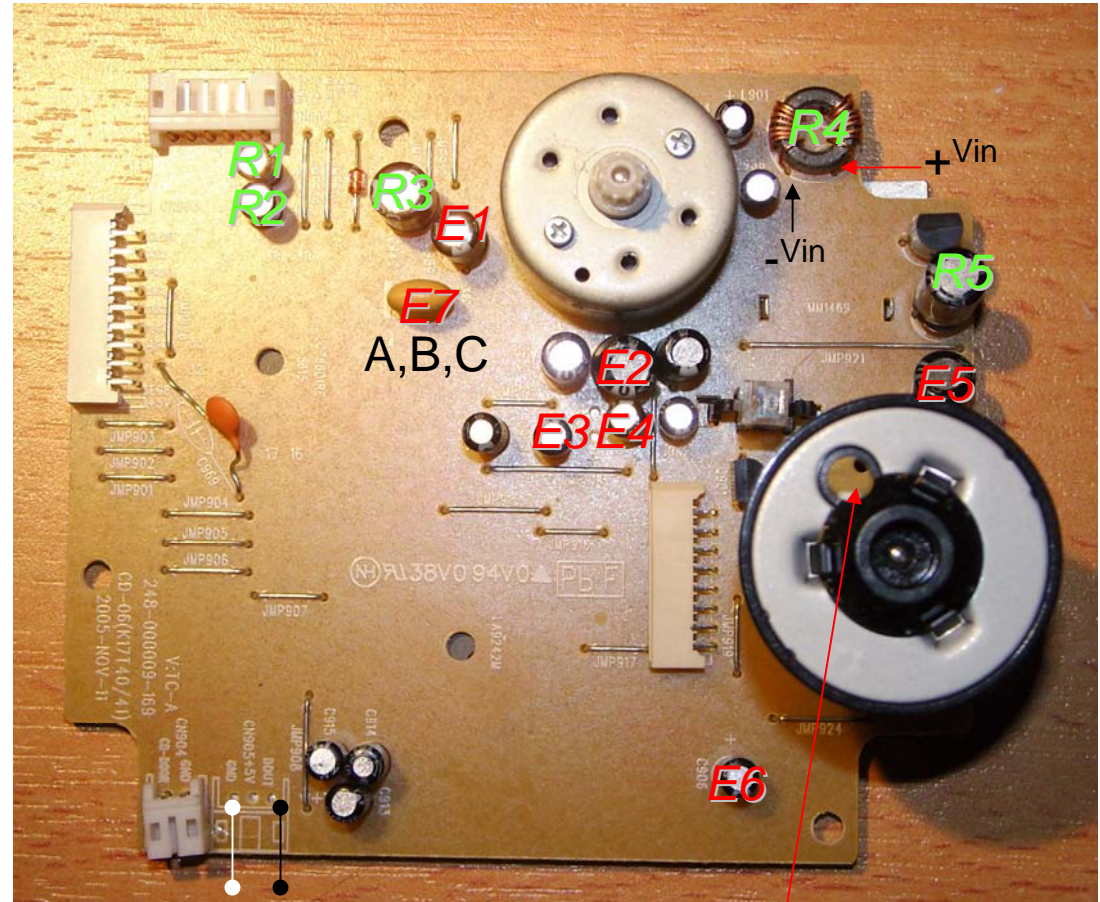
- A1 - 75R riken or VishayS102
- A2 - 75R caddock mk132

Digital out can also be taken directly from chip pin (marked on next page)

If the DAC is connected directly to transport's output, you may bypass the output resistors completely,. Some people reported certain gains. I use 6ft digital interconnect and it works better with resistors in place.

A,B,C mark
oscillator holes –
use A and C for
oscillator.

+Vin = +8V in



A2 A1
Dout

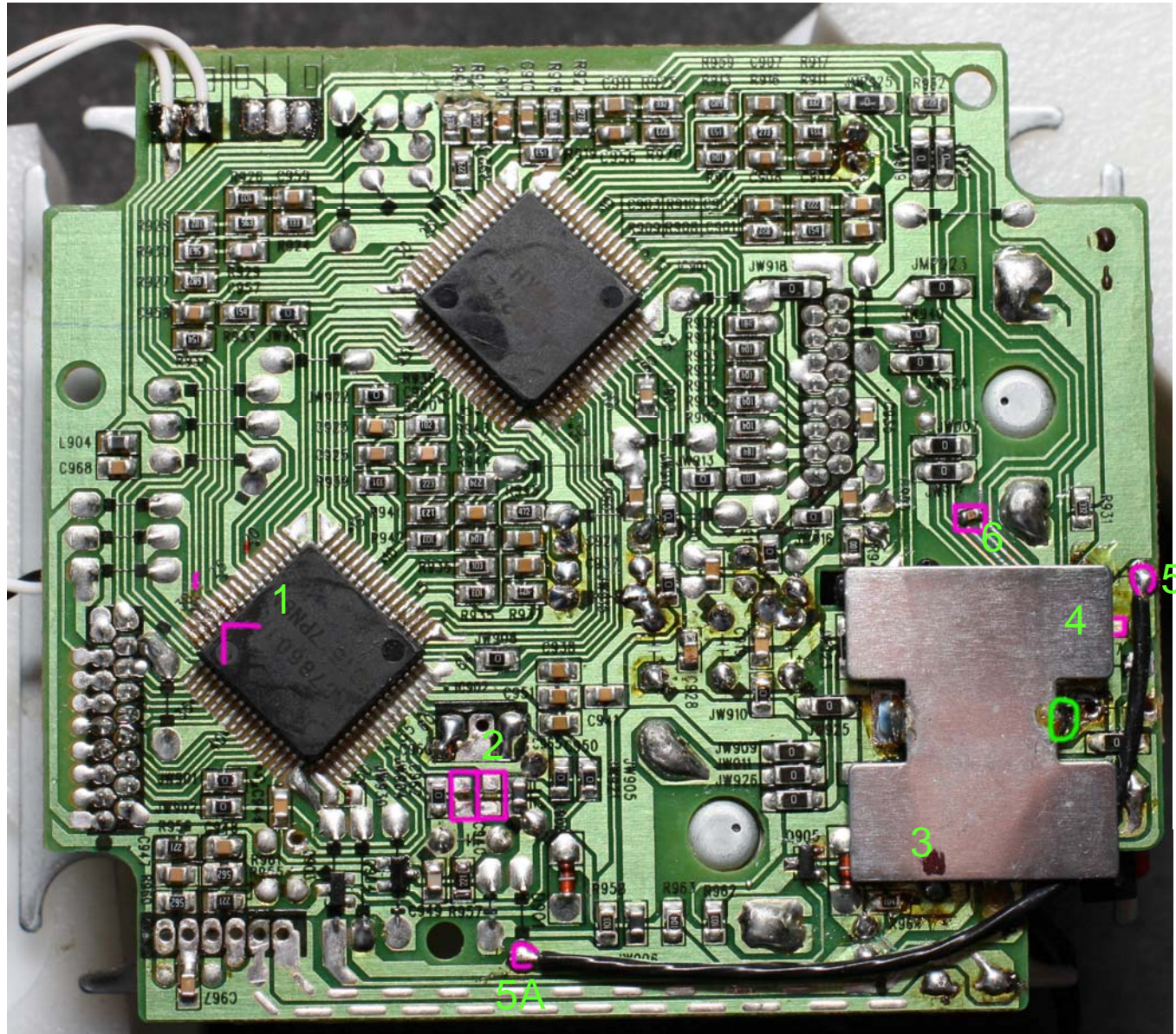
Use this access to
remove 2 screws that
hold top board to
bottom board

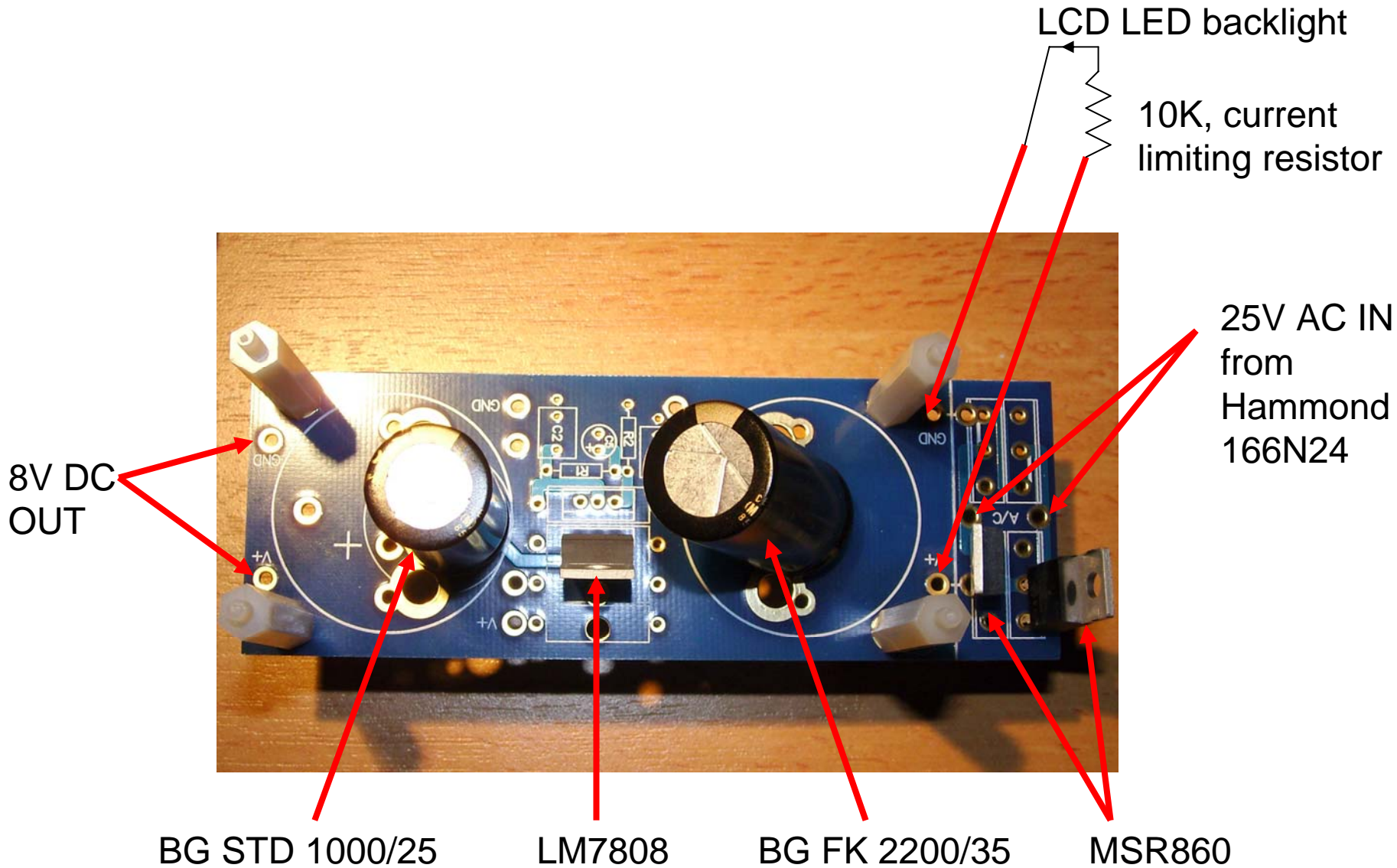
1. Marks digital out pin of chip. Peter drilled through the board to gain direct access to pin.

2,3, and 4. Remove Caps. When removing Cap 3 avoid bending heat sink as it will permanently separate from chip.

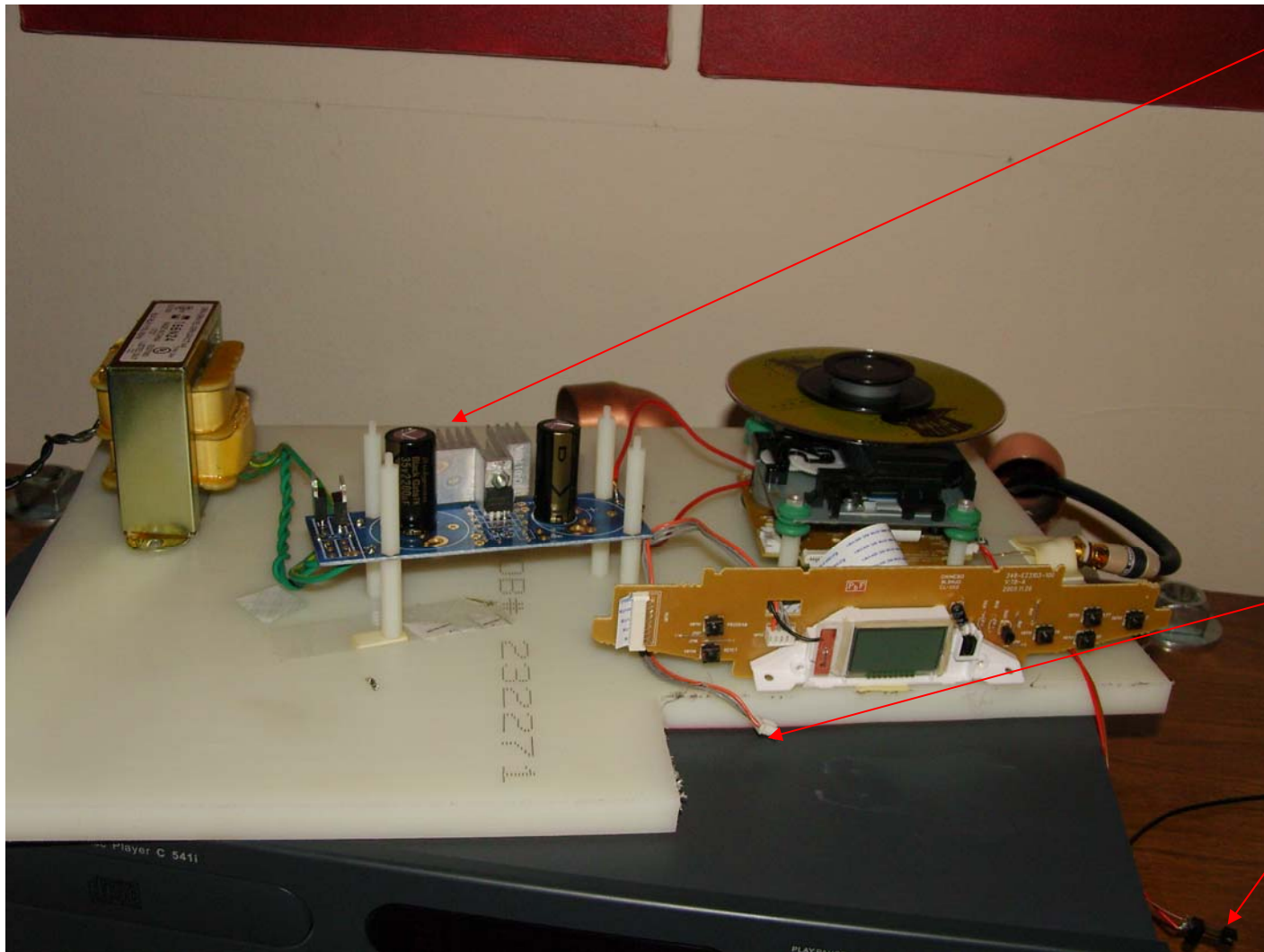
Jumper from 5A to 5B

Cap 6 is present on some boards and not others. Function unknown.





Board is from peter but it is not really necessary. A more compact point to point version can easily be made.



Regulator requires a good size heat sink.

Power input for LED

Door switch

Up and running! Took me (a relative Noob) about 5 hours. The LCD has an LED backlight. I have not hooked mine up yet but it definitely requires a current limiting resistor. Peter may now know the appropriate value.