

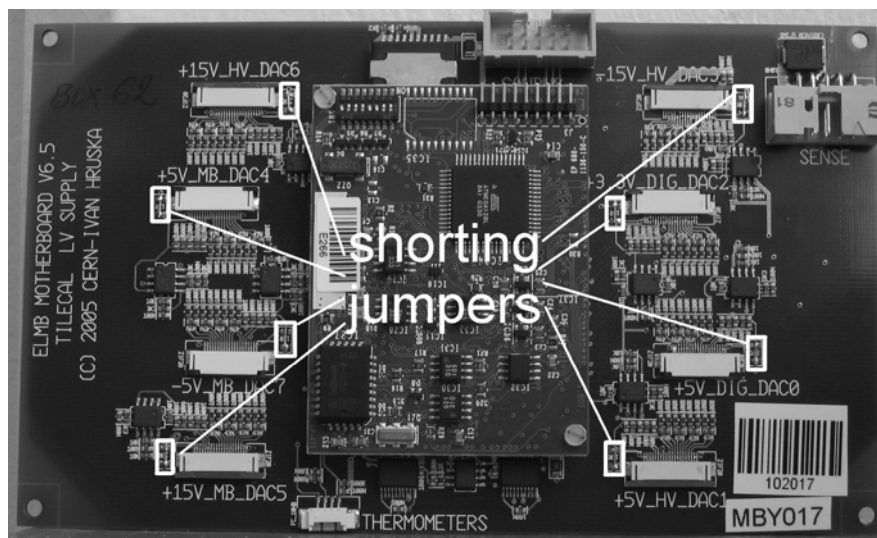
The ELMB_MB v.6.5.1 modifications for technicians.

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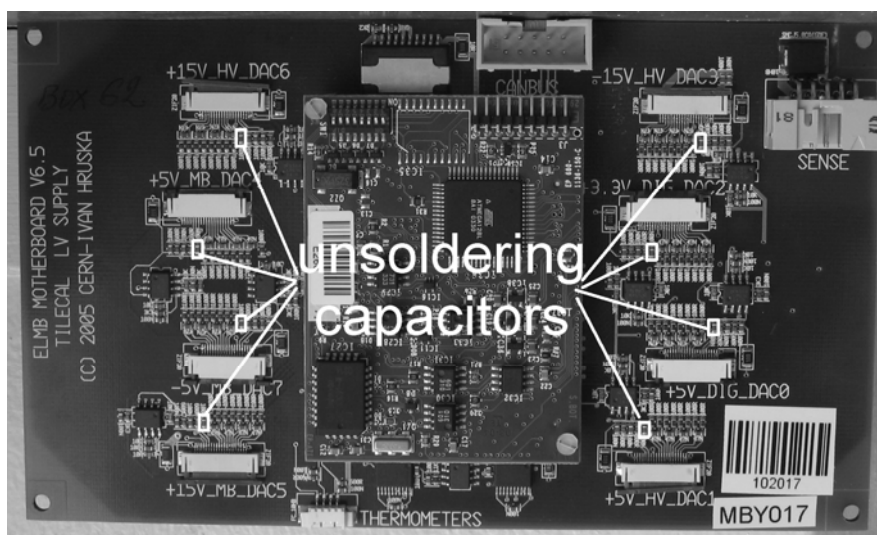
TOP SIDE:

1. **Unsolder resistors R 129 – 136.**
Solder zero ohm resistors (or wired short cuts).



Pic.1

2. **Unsolder C45, C61, C79, C89, C99, C109, C119, C129.**

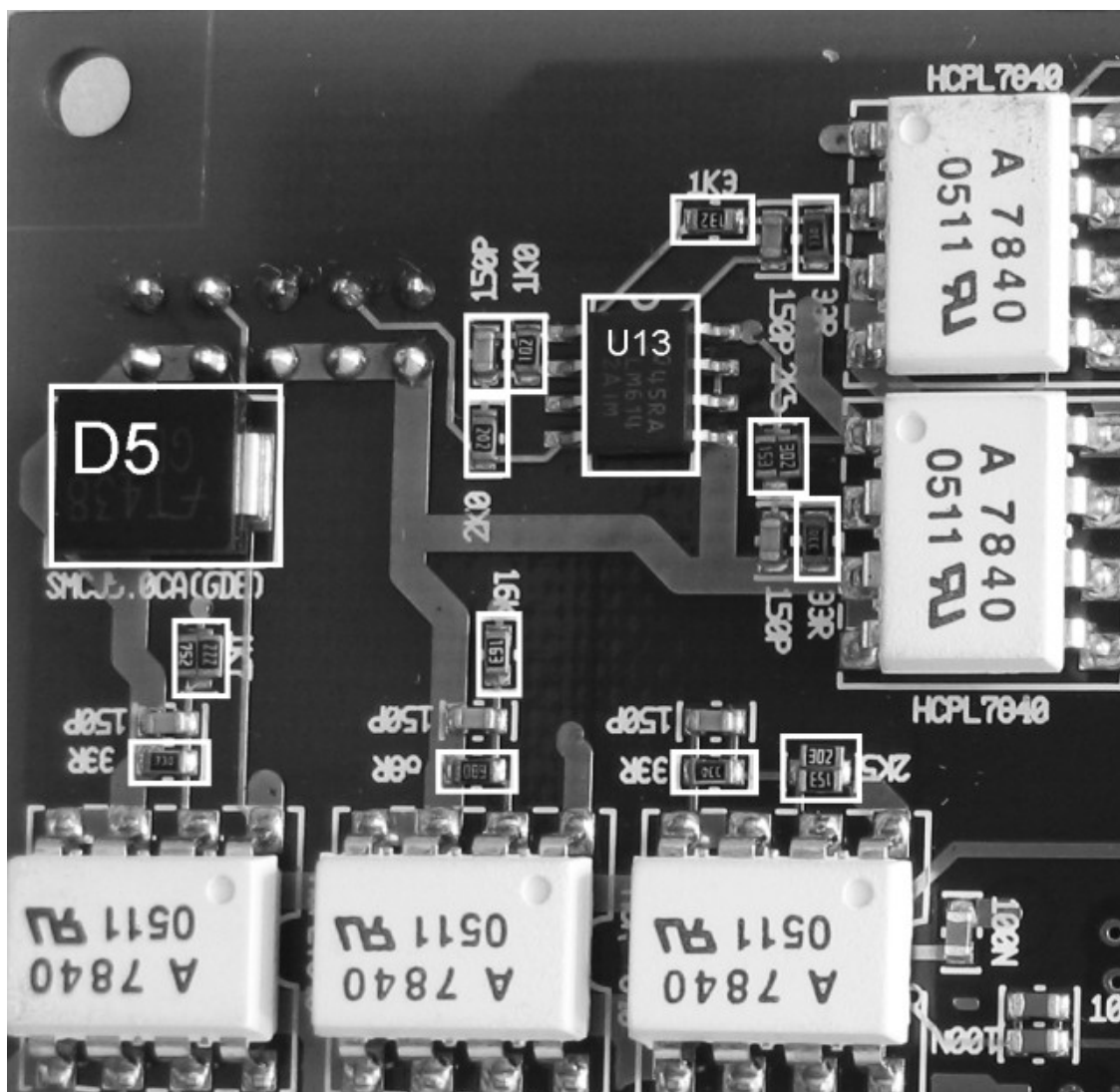


Pic.2

BOTTOM SIDE:

3. Unsolder:

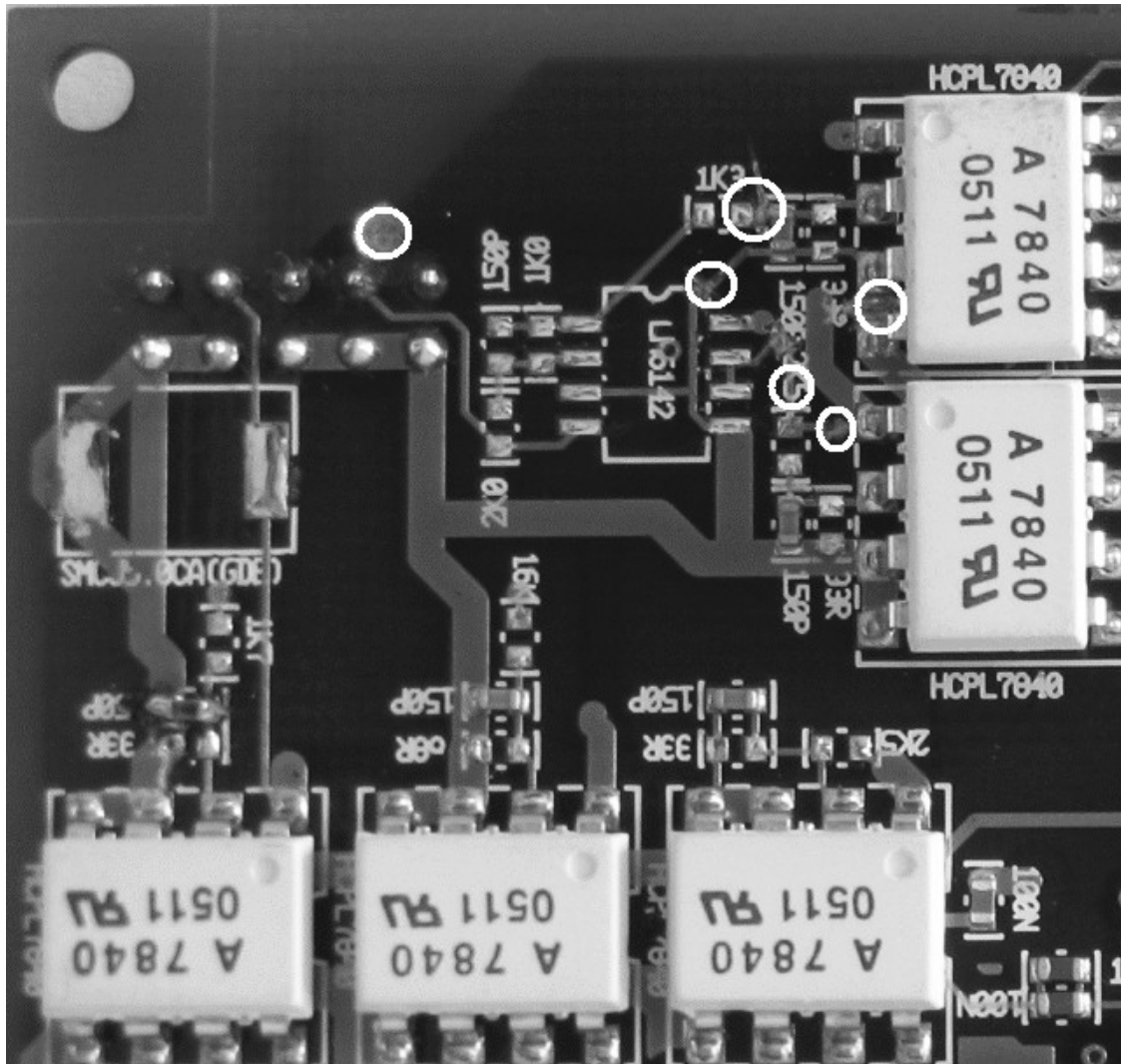
- U13 (LM6142)
- D5 (Transils)
- Resistors: R10, 11, 19, 20, 27, 28, 31, 32, 37-40
- Capacitor: C22



Pic.3

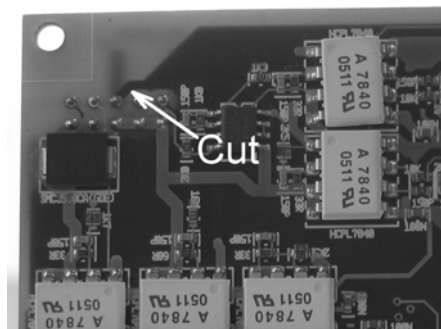
4. **Cutt:**

- a. J12 pin 5 (+5MB) by drill*.
- b. U12: Between pin 3 and 4, pin 1 and 2
- c. C22 (GND pin) and U13 (pins 3,5)
- d. R27 and J12 p.5 (+5MB)



Pic.4

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5. **Solder:** R11, R20, R28, R32, R38 = 200 ohm

R10 = 10k,

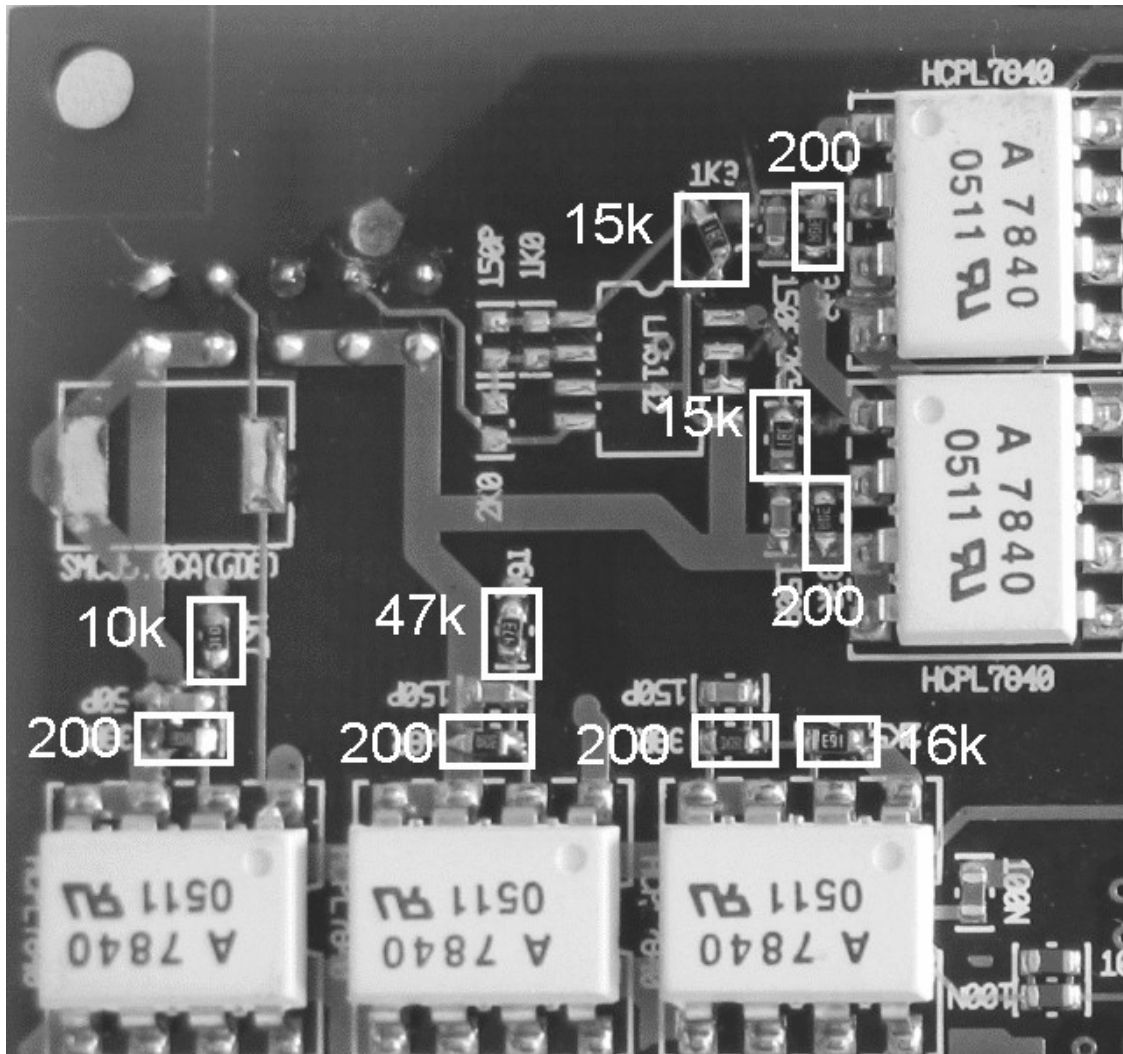
R19 = 16k,

R27 = 15k,

R31 = 47k,

R37 = 15k*

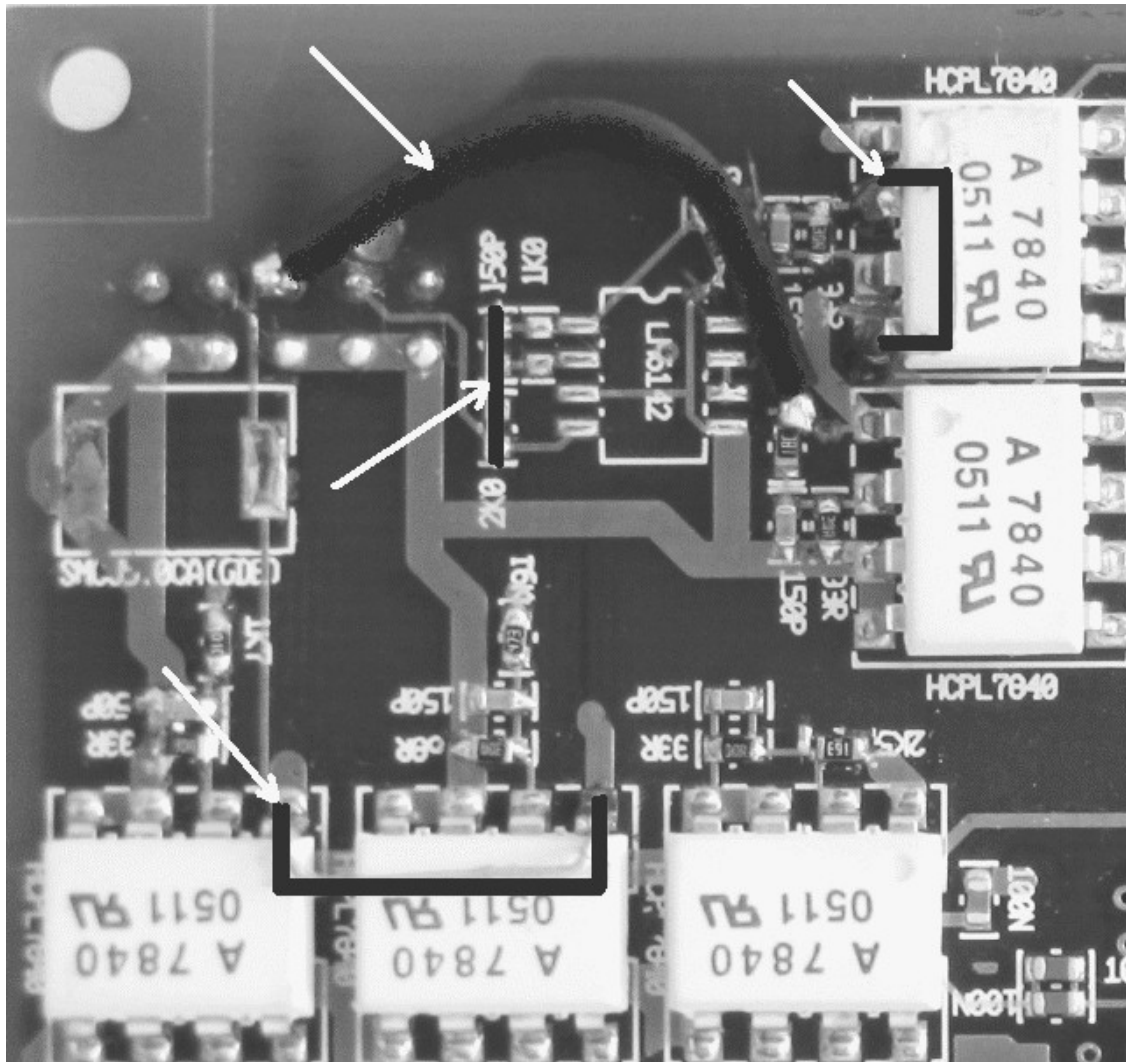
* - not to right place (it have to be connected to pin 3 of the U12)



Pic.5

6. Short Cuts:

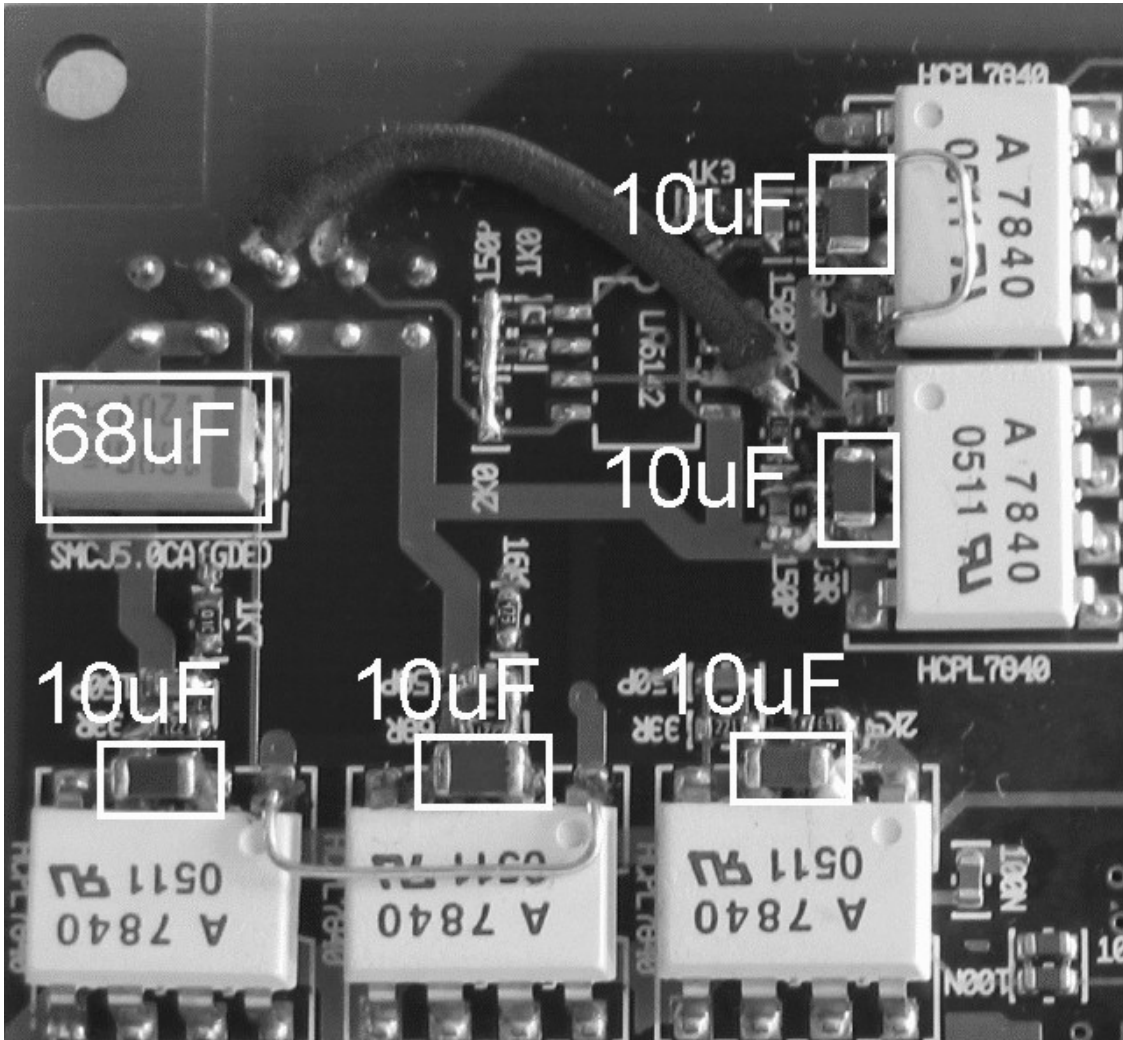
- b. Between J12 pin7 and R37
- c. J12 pin 5 and R27
- d. U1 pin1 and U7 pin 1
- e. U12 pin 2 and pin 4



Pic.6

5. Solder:

C 68uF (instead D5). Solder C 10uF to pins 2-3 of the U1, U3, U7, U10, U12.



Pic.7

6. Check points by ohmmeter

