

Guide for the placement of "eclaire XL" in a Mini ITX case

For this guide a **MHero-S-R** Mini-ITX case have been used. Keeping in mind that the rest of "mini ITX cases" exist in markets is almost the same, this guide can be applied also to those.

Preparing the mini ITX case.

- 1.** First remove the upper metal lid of your new case. To be this possible unscrew the back center bolt, and slide back the upper lid.
- 2.** Unscrew the three bolts and remove the HDD/FAN metal holder.
- 3.** After remove the front plastic fascia pressing gently the internal 6 plastic ears. Carefully take out the cables.
- 4.** Unscrew the two bolts and remove also the internal PSU (dc to dc converter).
- 5.** Remove the small plastic cover in right side of fascia. Unscrew also there the 4 bolts, and remove the unneeded Molex and SATA connectors. Place back the small plastic cover.

Pictures 1-5

Preparing the "eclaire XL" board.

- 6.** Unscrew the three upper bolts and remove the sub-board from the main. Remove also the two ribbon cables SIO/PBI, and the power two pole cable.
- 7.** Unscrew the bolt from bottom and remove the spacer located at right side of main board.
- 8.** If you can not find a 18mm spacer with male thread in bottom, then you must construct one. You need a bolt as used in PC's, with 2.5 to 3 cm height, and the spacer which removed in step **6**.
- 8a.** Cut the head of bolt, and screw the half of thread in spacer with a bit of epoxy glue. After wait a minute to dry.
- 9.** Only for the 5 prototype boards you must remove from the two 10-pin IDC male connectors on the main board, the lock/polarity pin.

For AC97 Audio is the **pin Nr.8**.

For USB A_B is the **pin Nr.9**

This could be possible using your solder iron to heat up the pin from the solder side, and a plier as to pull it out from the top. You must have support first the main board in a vice.

Attention must be given here as to not overtight the board in the vise!!

Also to not catch any components!!!

Pictures 6-15

Assembly

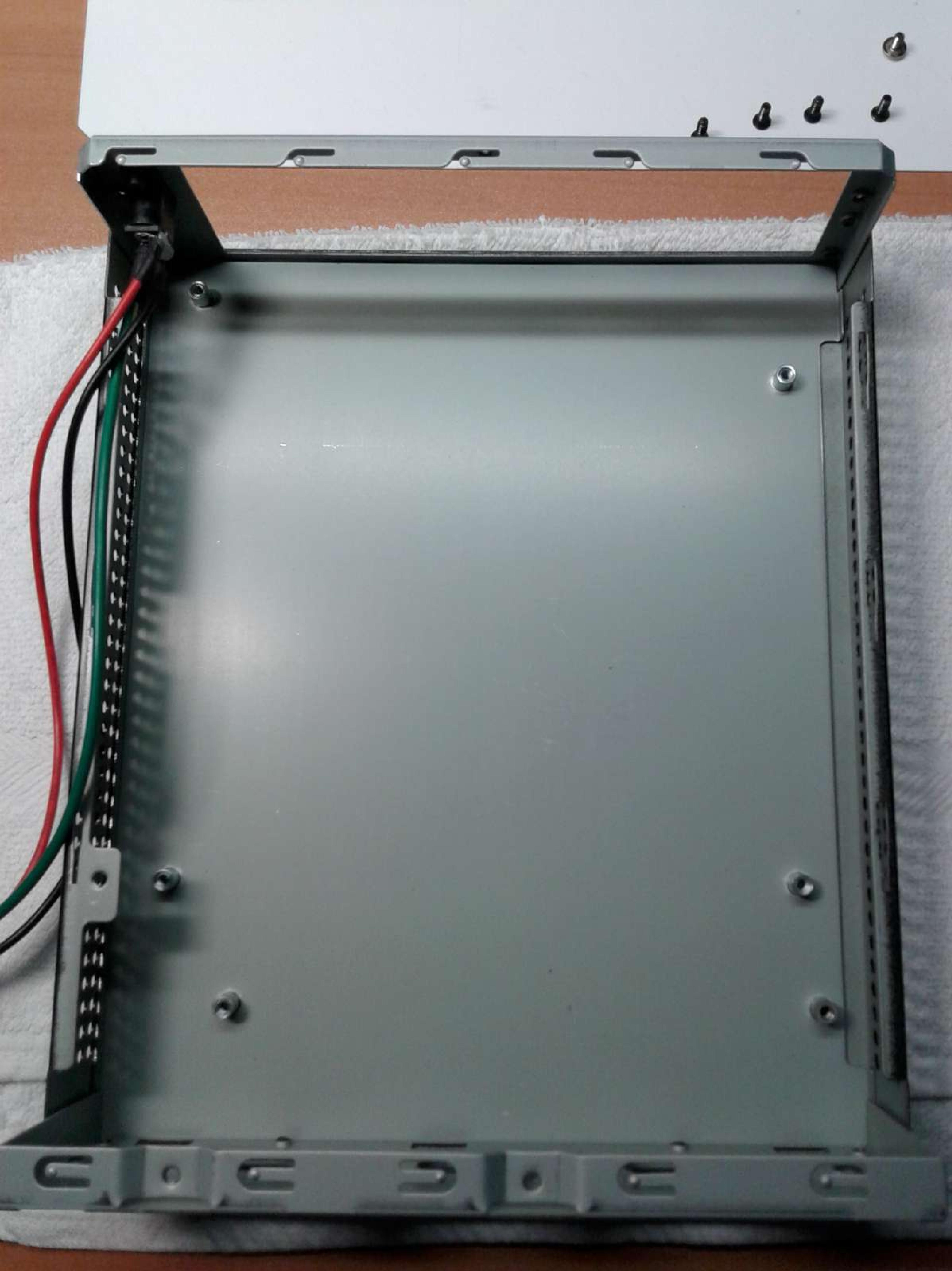
- 10.** Use two silver bolts from the bag which came with your new ITX case, and screw from bottom two spacers with height 5mm, in the two support holes in center of main board.

- 11.** Place the main board in your new case, and use 3 silver bolts from your bag as to fix it in position.
- 12.** Then screw the new constructed spacer with thread in the last support hole.
- 13.** Place and screw the sub board in it's position, and snap into their place the two ribbon cables. The same for 2 pole power cable.
- 14.** Snap the "Power Switch" cable from fascia, in Reset connector of main board.
- 15.** Snap the "Power Led" cable from fascia, in Led connector of main board, using the right polarity. Cable marked "+" go to the outer side (metal frame of case).
- 16.** Last you must snap the two 10pin IDC connectors, marked as "USB" and "AC'97", at "USB A_B" and "AC97_AUDIO" of main board respectively.
- 17.** Tie the cables together using 1-2 tie wraps.
- 18.** Place carefully the plastic fascia back in its initial position on metal frame.
- 19.** Close the upper metal lid of your case.

Pictures 16 - 38

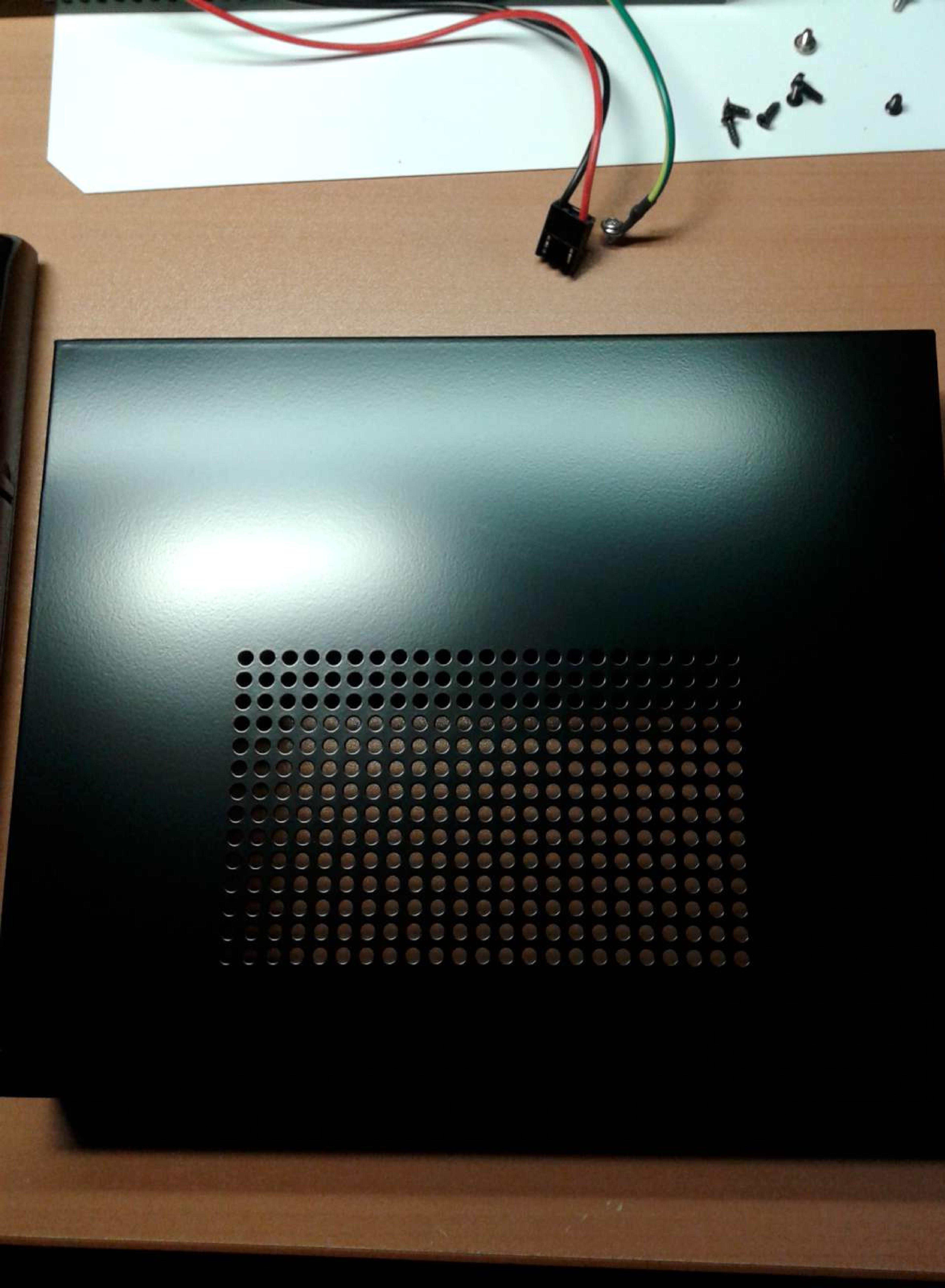
ENJOY

Created by
Panos Santos







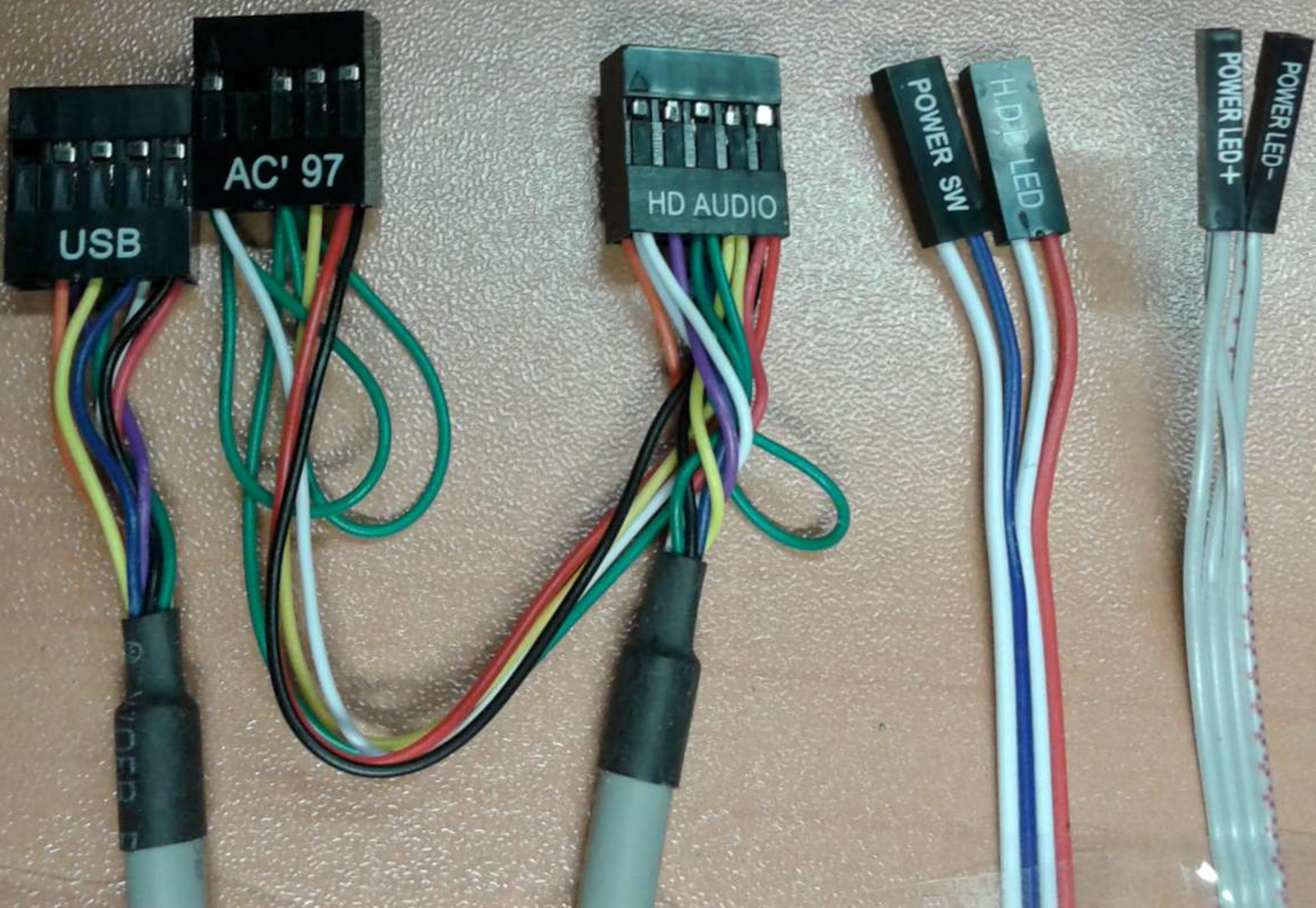


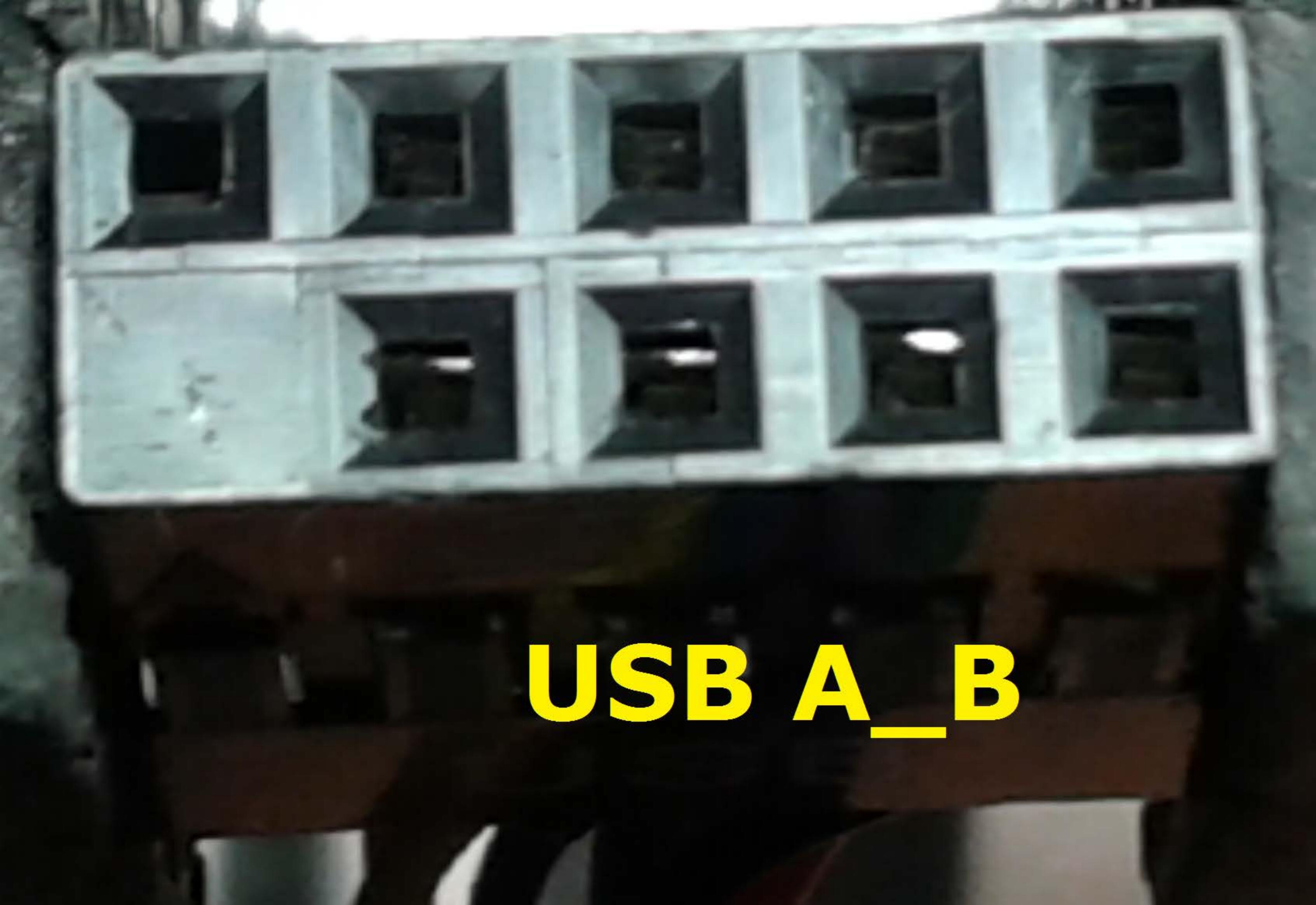


Remove this





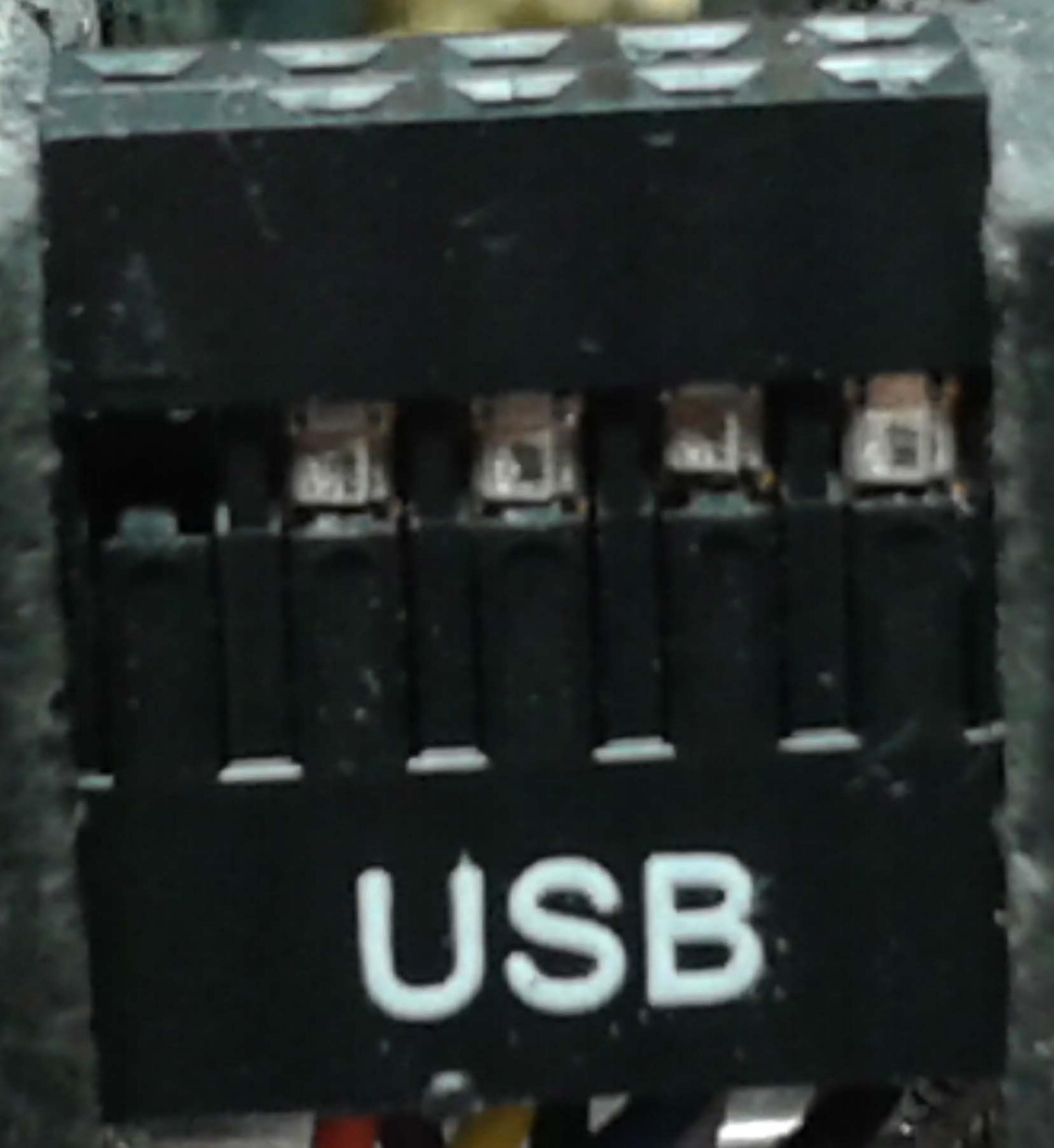




USB A_B



AC97 AUDIO



USB

AC'97

Ara7 AUDIO

AC97



C21

C22

212

USB



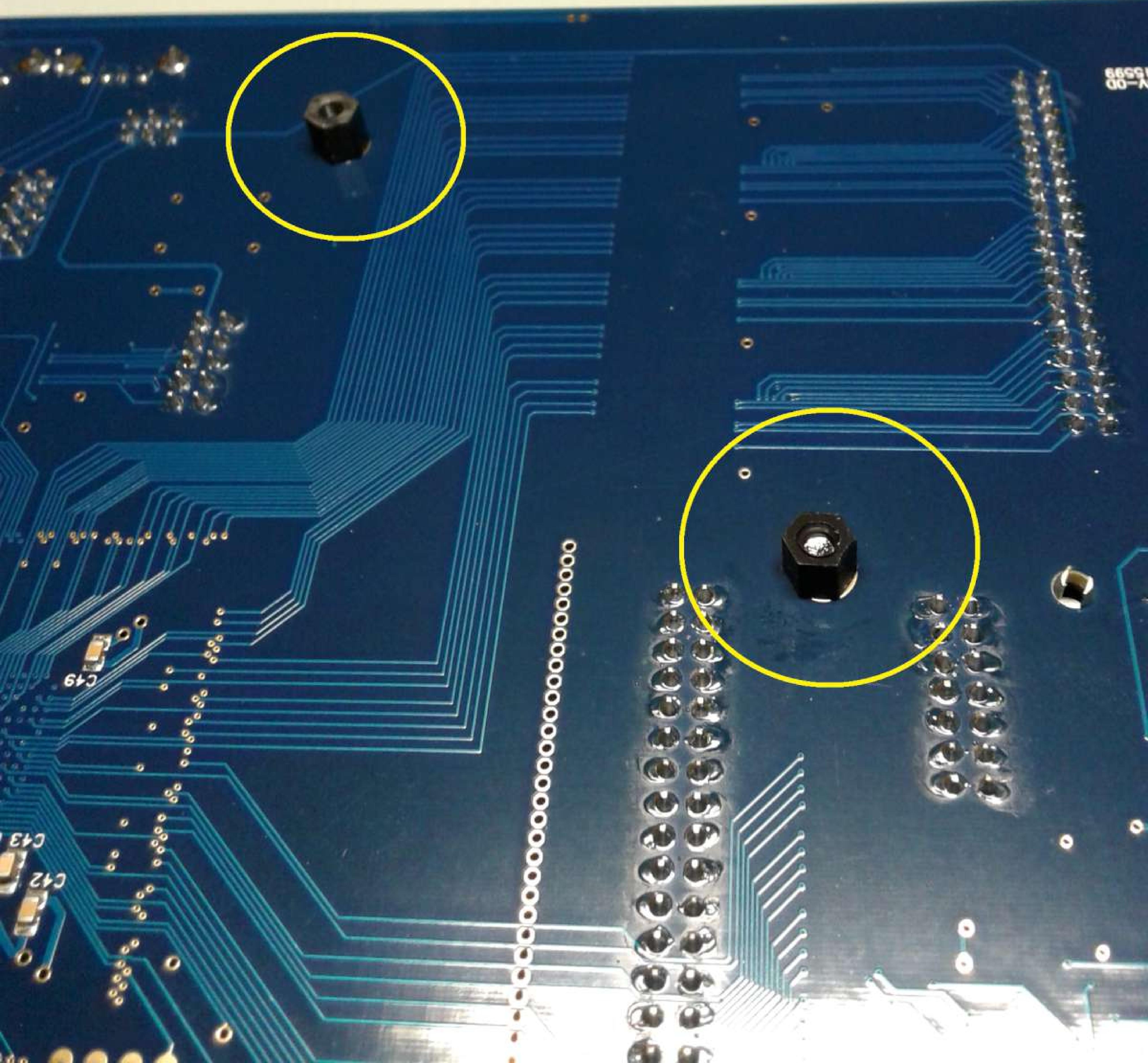
USB_A_B

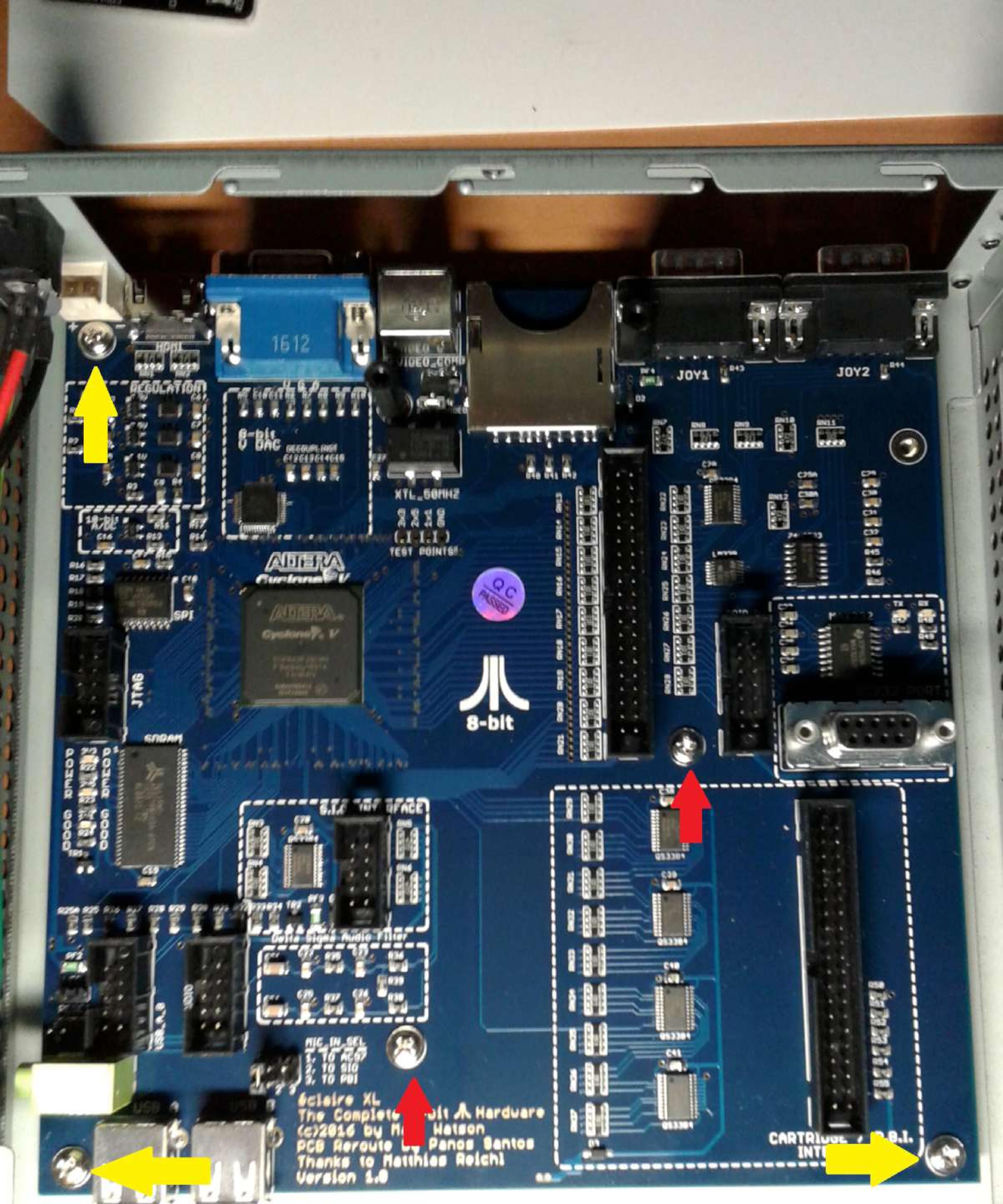




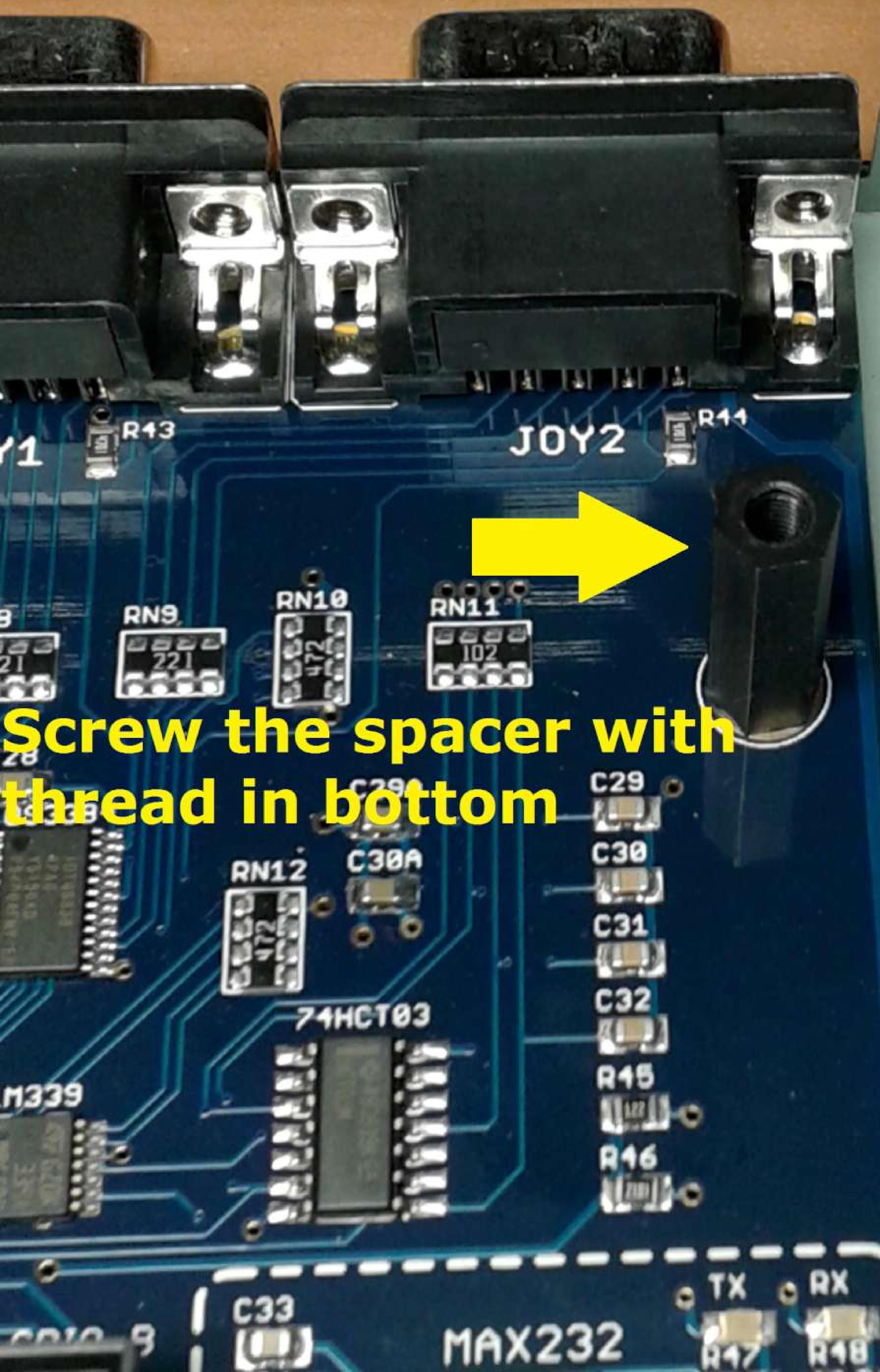


5mm Height

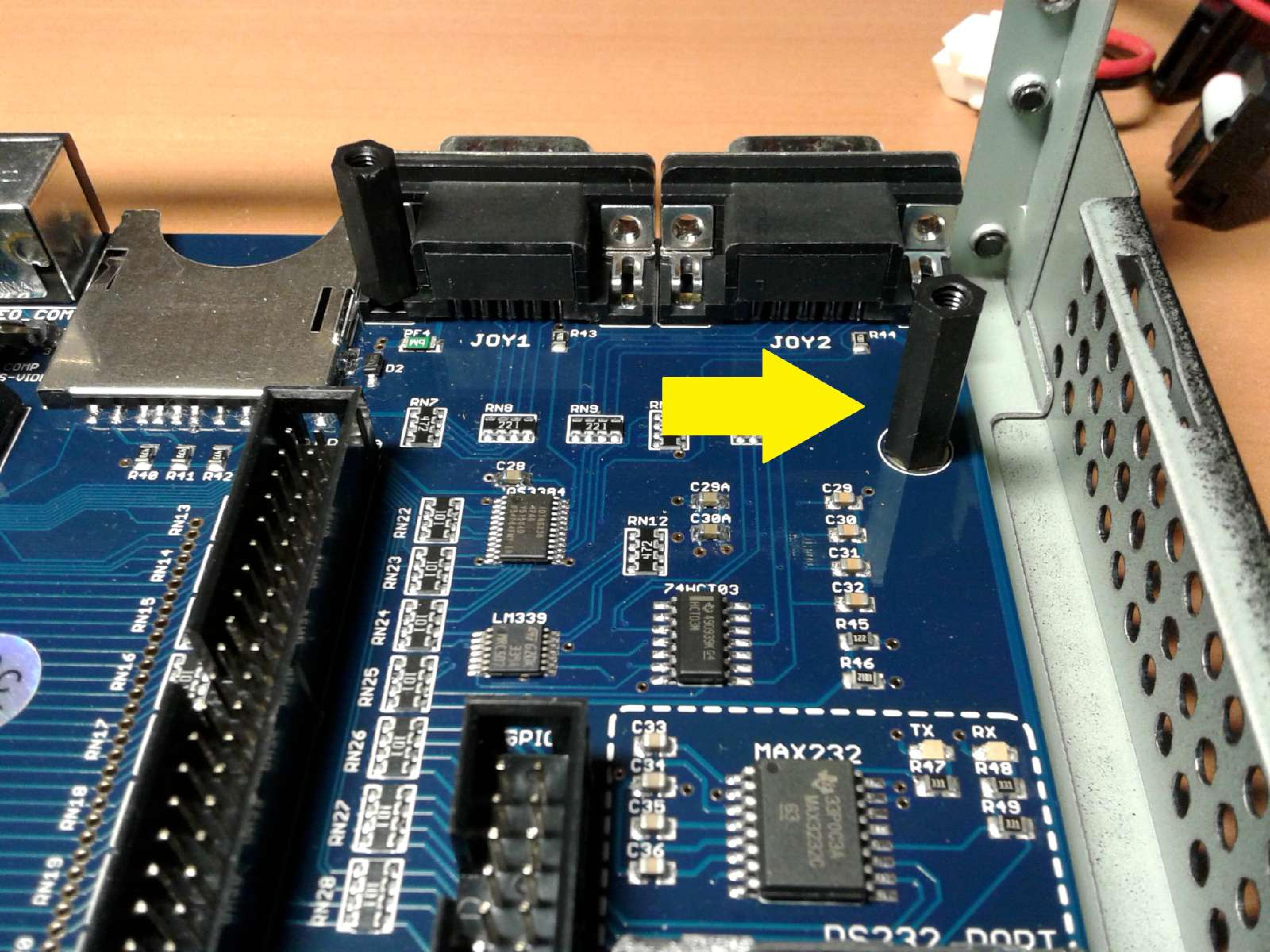


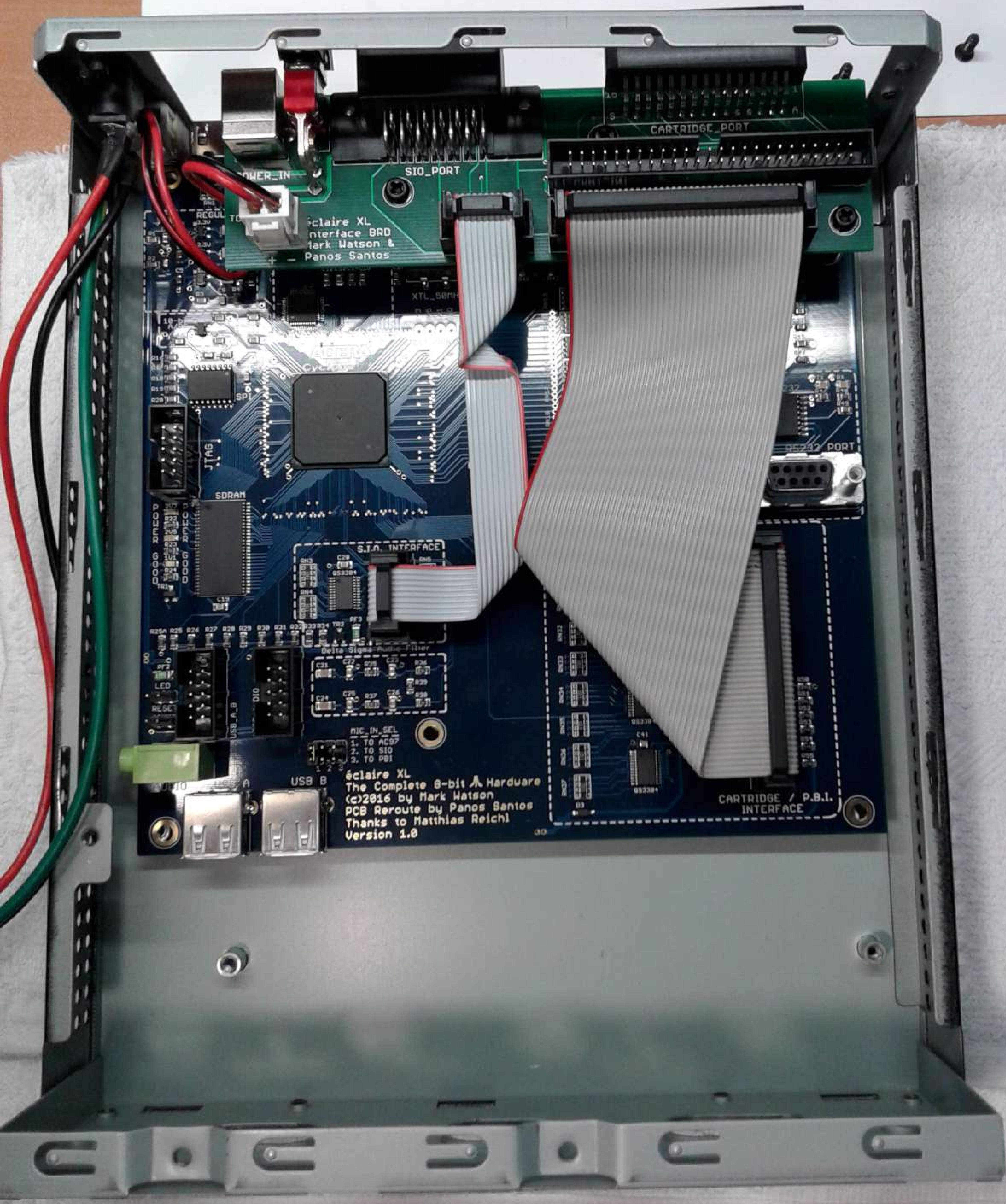


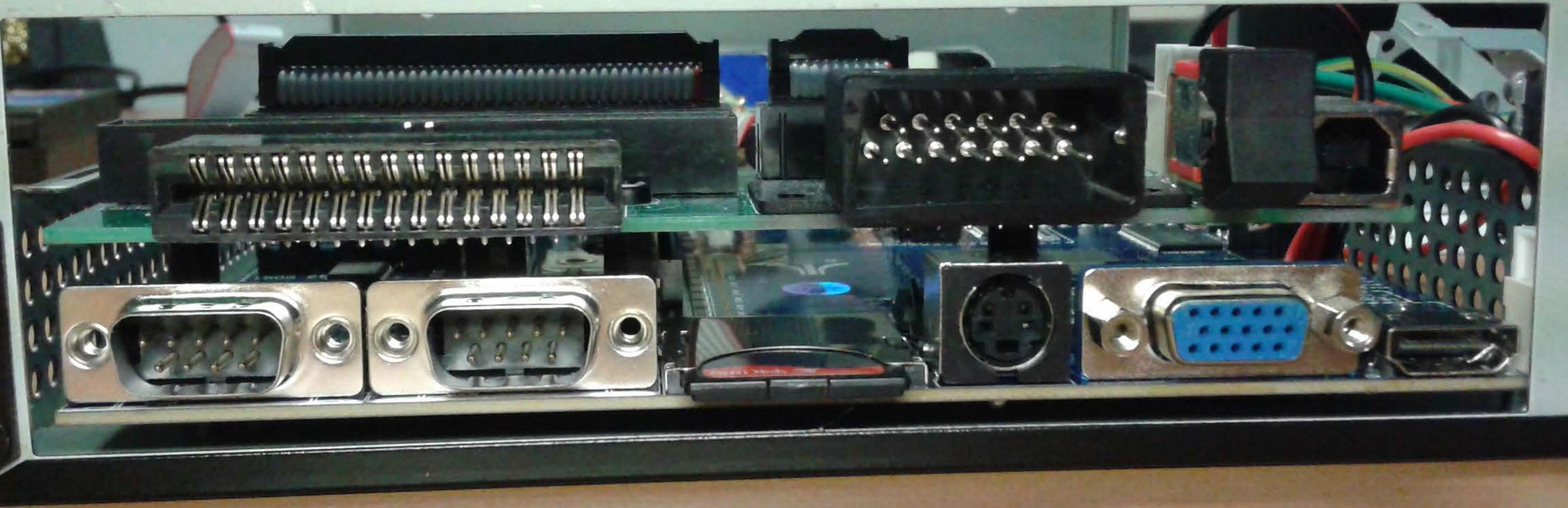
**Yellow marks holders in case.
Red marks 5mm height spacers.**

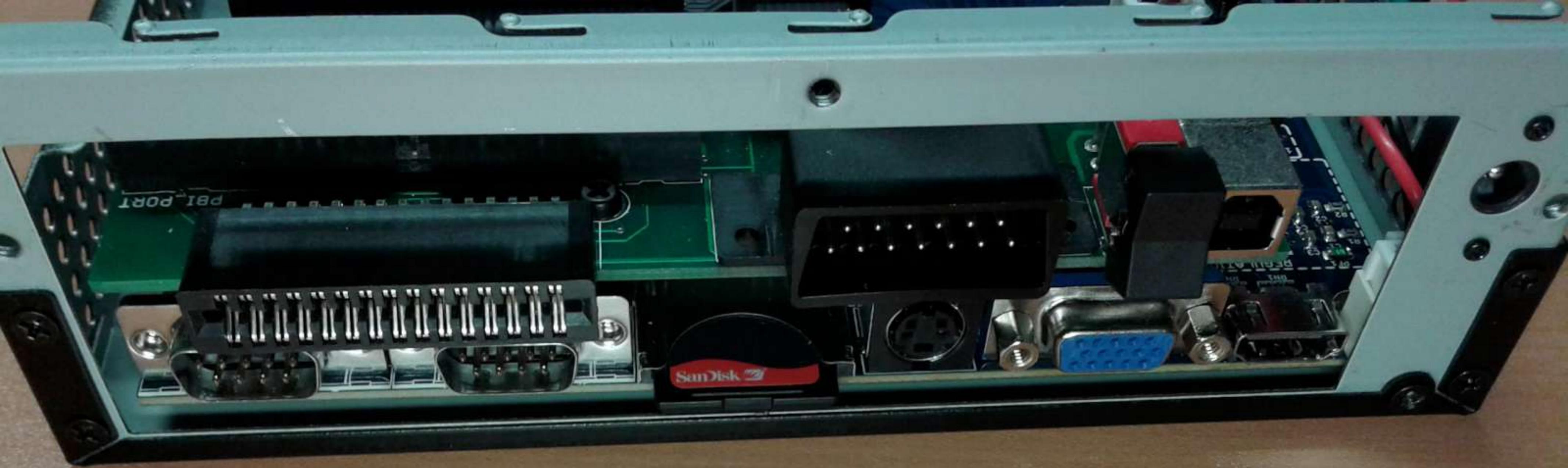


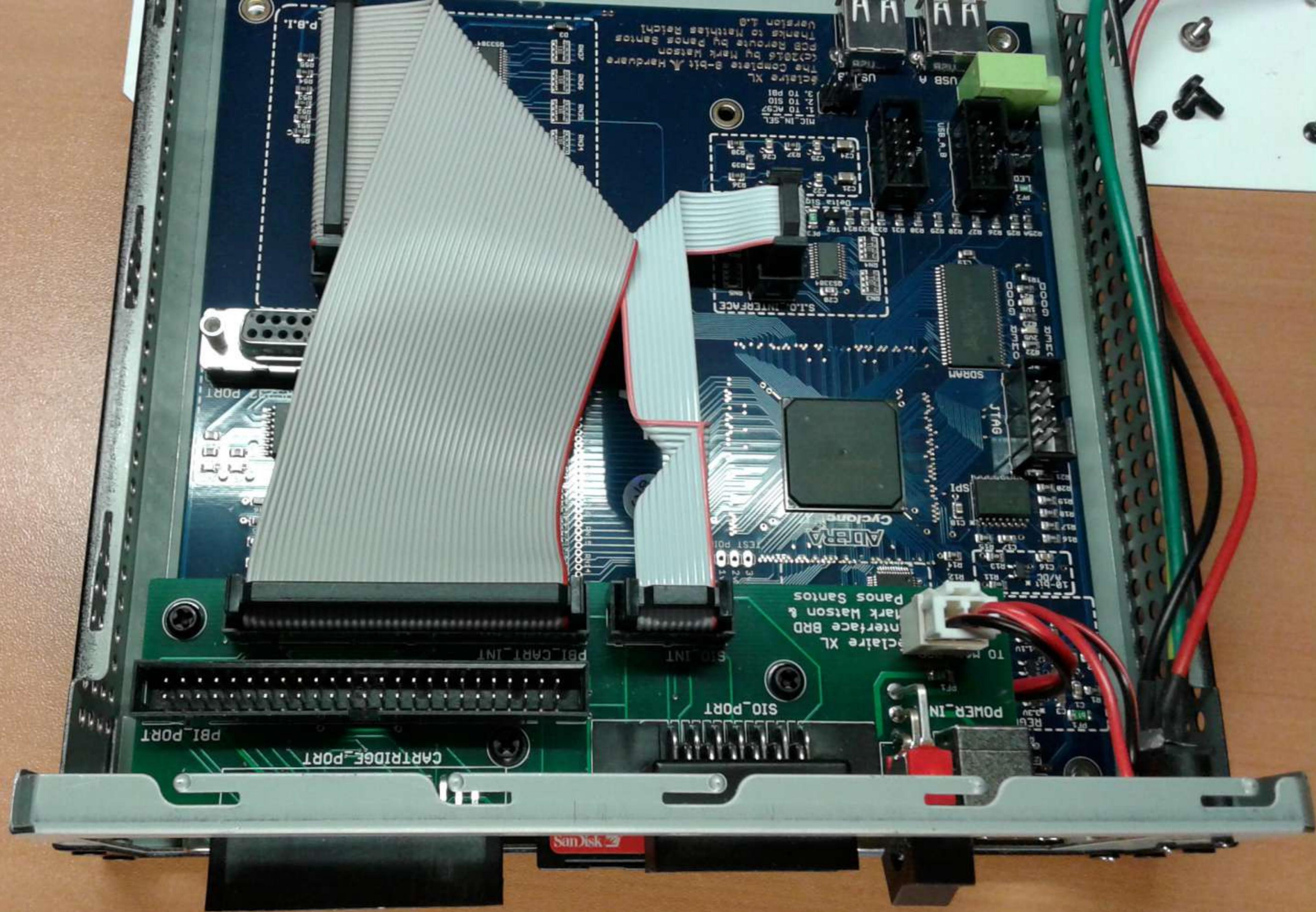
**Screw the spacer with
thread in bottom**











**COME
ON
S**

**POWER
POINT**

8

PF2

BM

LED



RESET



POWER

PC-AUDIO

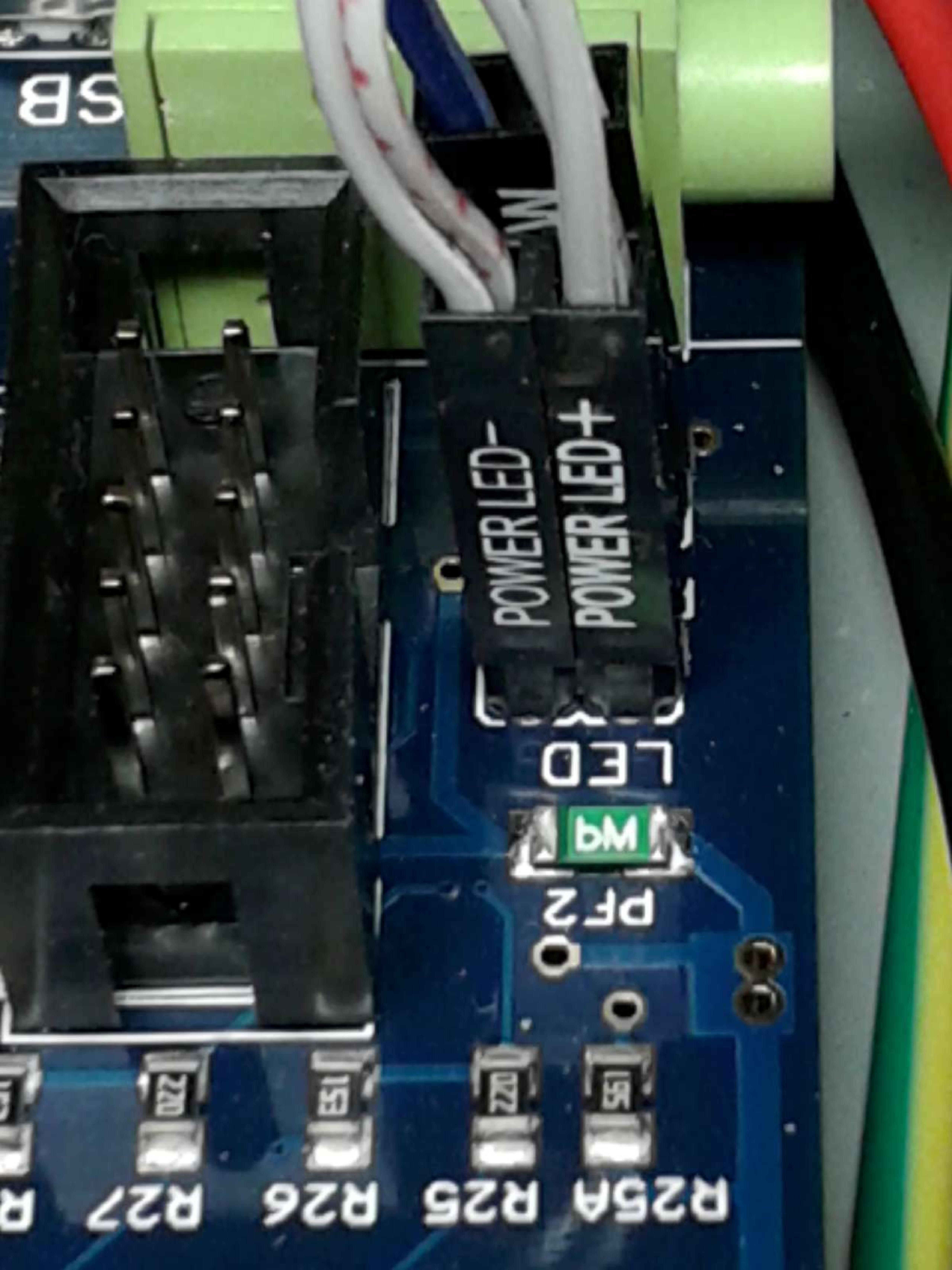
LED



PF2

8

R25 R26



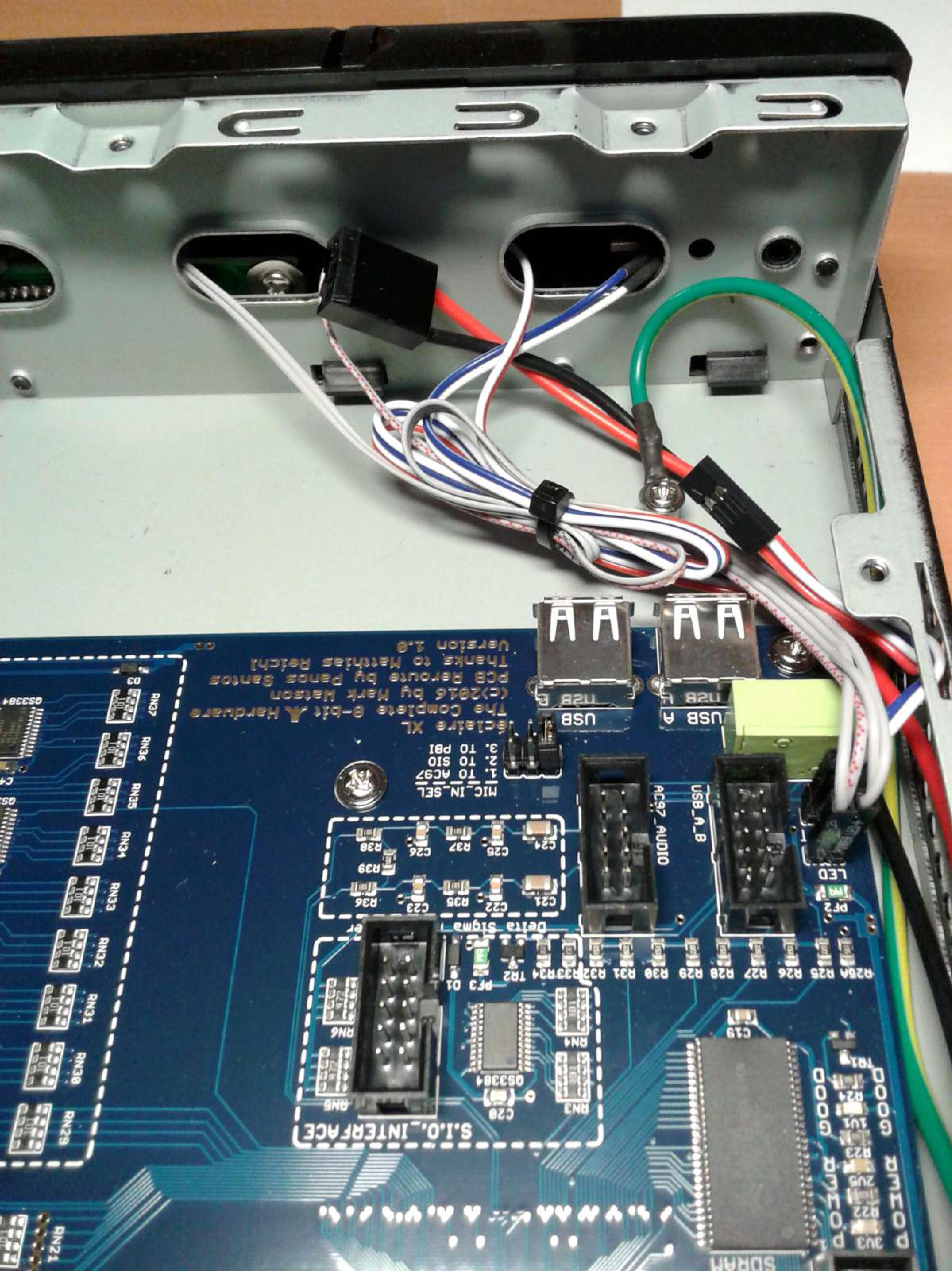
POWER LED

LED

M9

PF2

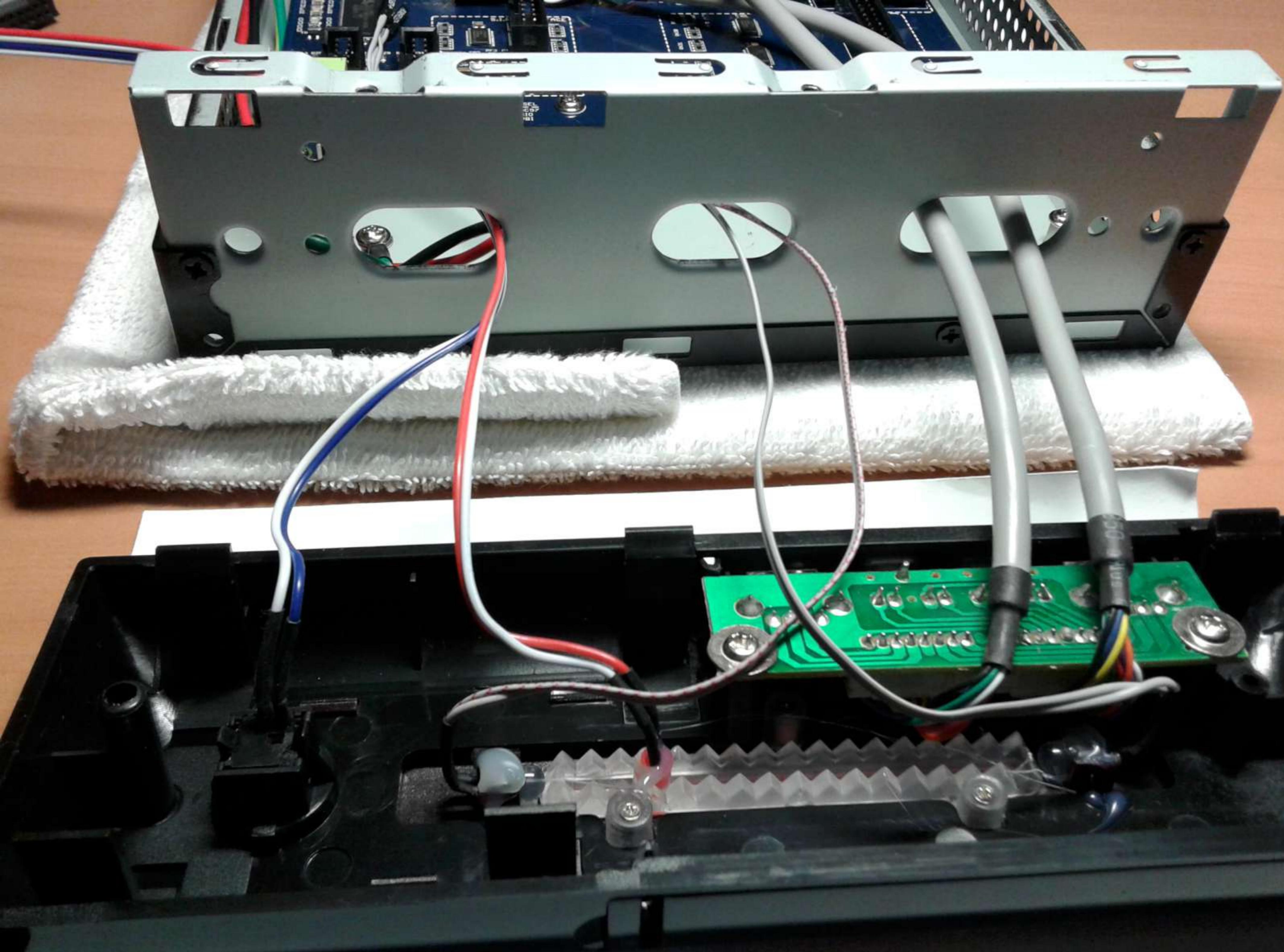
R25A R25 R26 R27

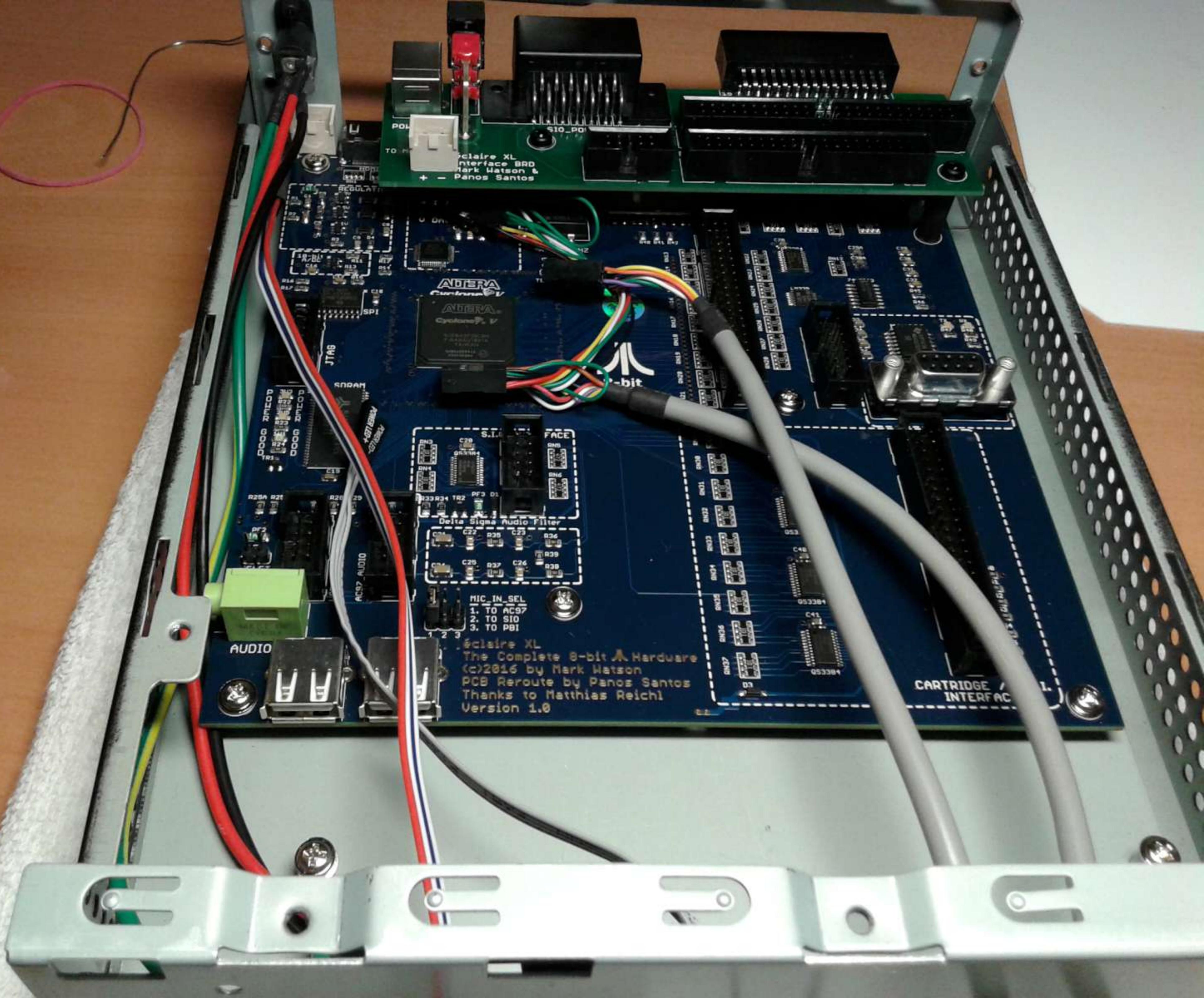


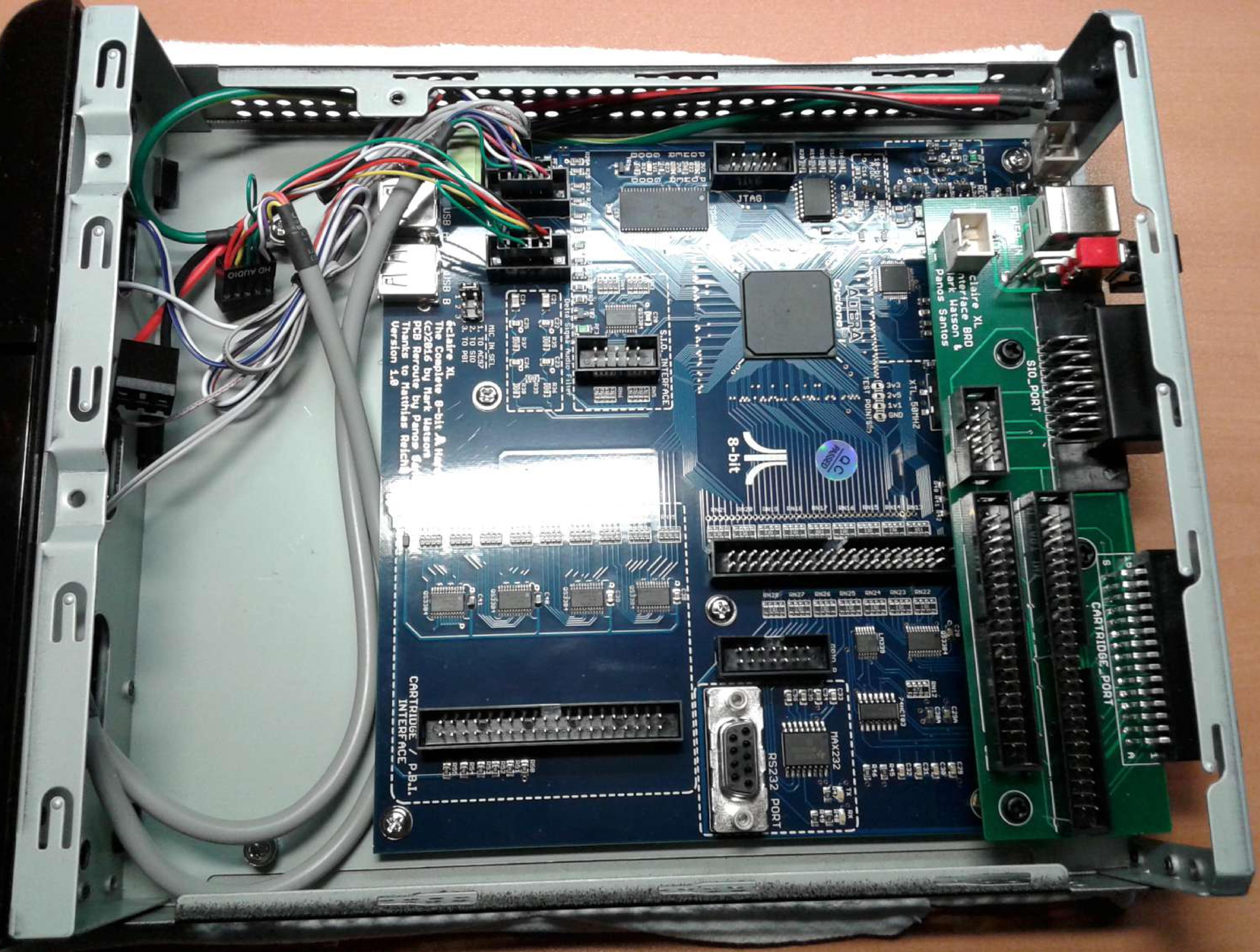
XL Complete 8-bit Y Hard
6 buy panoscan
6 reroute by panoscan
6 to Matthias
as to 1.0

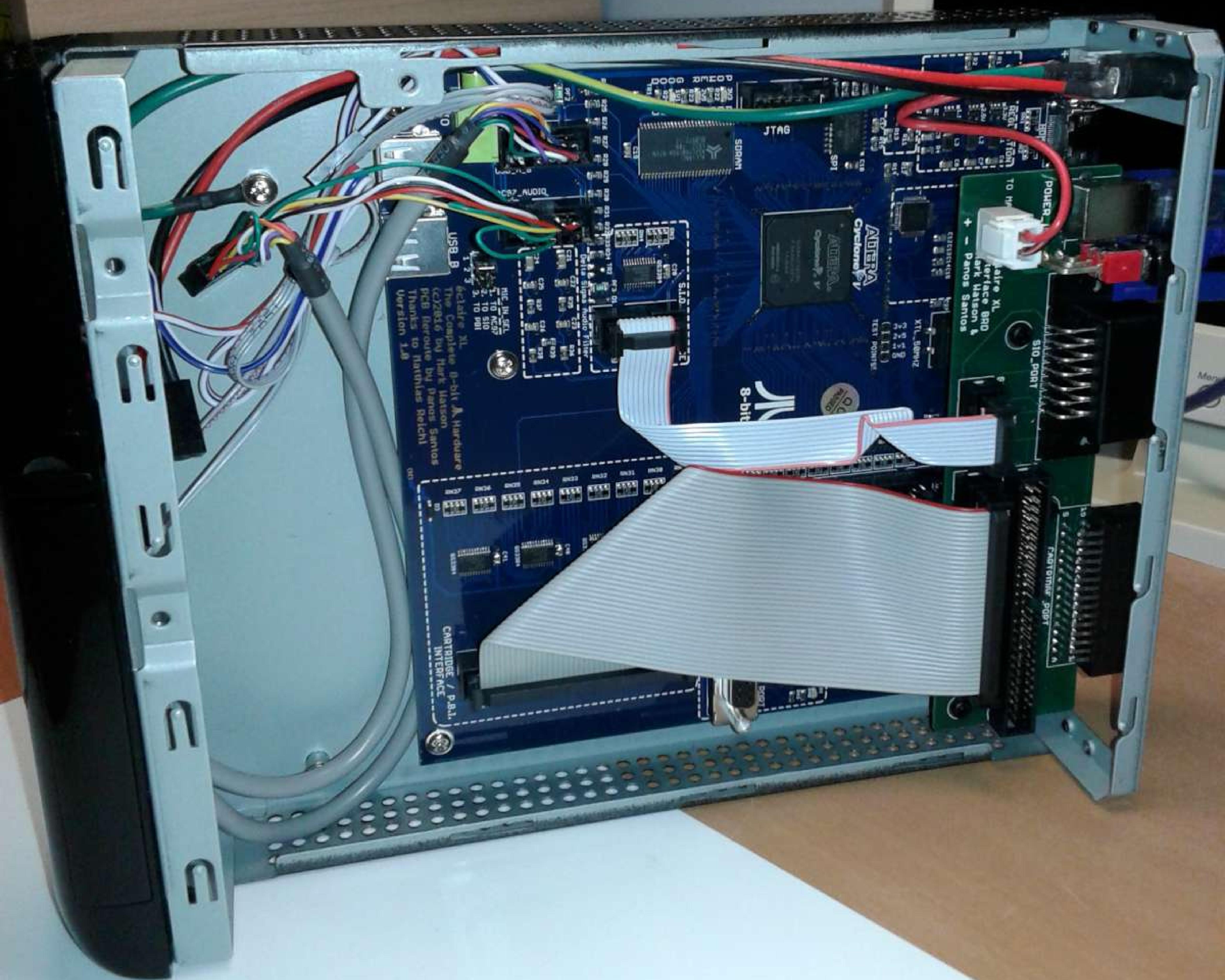
USB

XL Complete 8-bit Y Hard
6 buy panoscan
6 reroute by panoscan
6 to Matthias
as to 1.0

































FUJITSU
SIEMENS

Memory



SETTINGS

CPU Turbo:1x
Drive Turbo:Fast (6)
Ram:320K (Compu)
Rom:ATARIXL.ROM

Drive 1: NONE
Drive 2: NONE
Drive 3: NONE
Drive 4: NONE
CPU: ONE
Rom: USB joysticks

Exit

1. HID Keyboard
Mouse

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Menu

Auto

?

SETTINGS

CPU Turbo:1x
Drive Turbo:Fast(6)
Ram:320K(COMPU)
Rom:ATARIXL.ROM

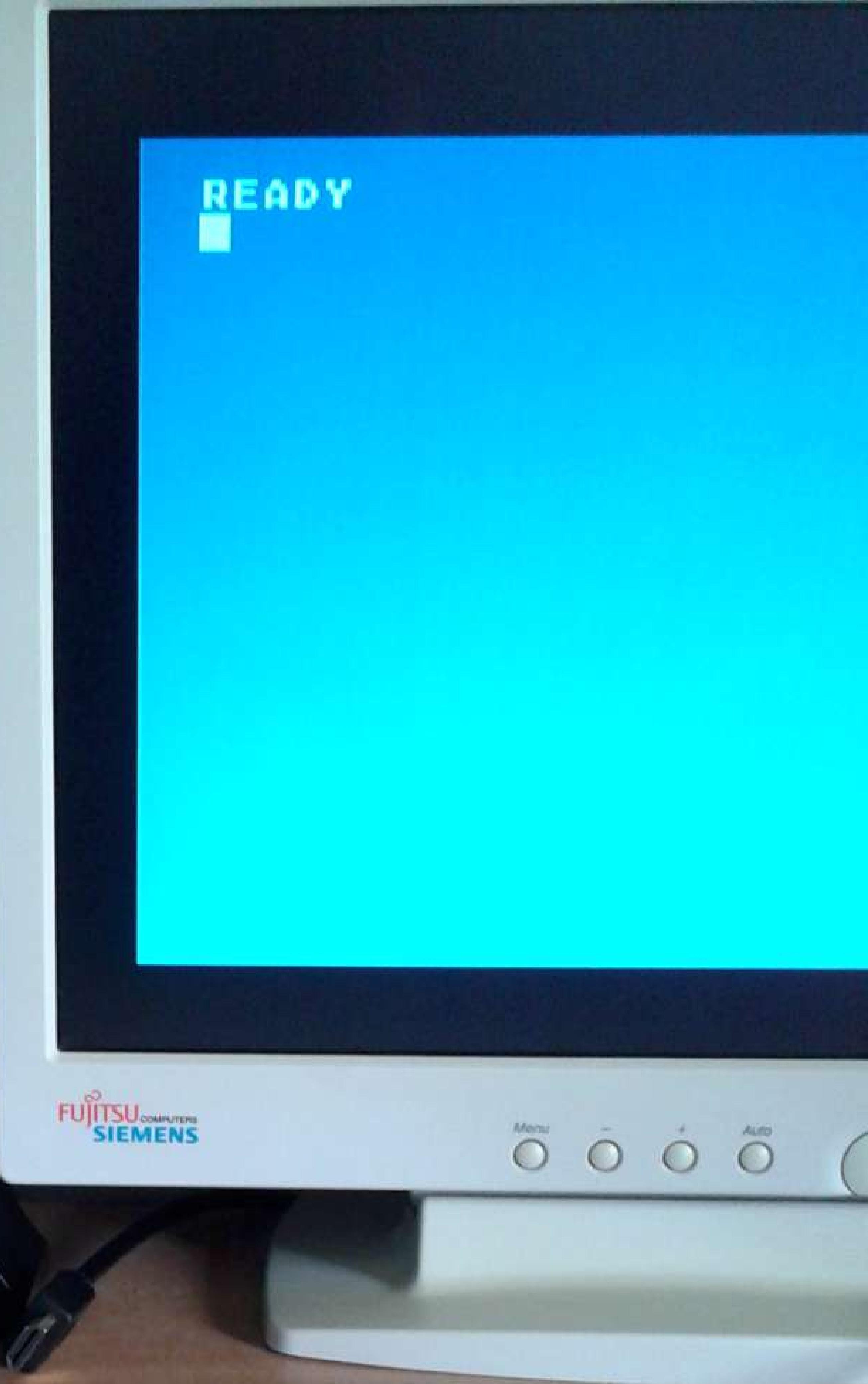
Drive 1: NONE
Drive 2: NONE
Drive 3: NONE
Drive 4: NONE
Cart: NONE
Rotate USB joysticks

Exit

1. HID Keyboard
Mouse

FUJITSU COMPUTERS
SIEMENS







SETTINGS

CPU Turbo:1x
Drive Turbo:Fast(6)
Ram:320K(Copy)
Rom:ATARIXL.ROM

Drive 1: NONE
Drive 2: NONE
Drive 3: NONE
Drive 4: NONE
Port: NONE
State USB joysticks

it

HID Keyboard
Mouse

