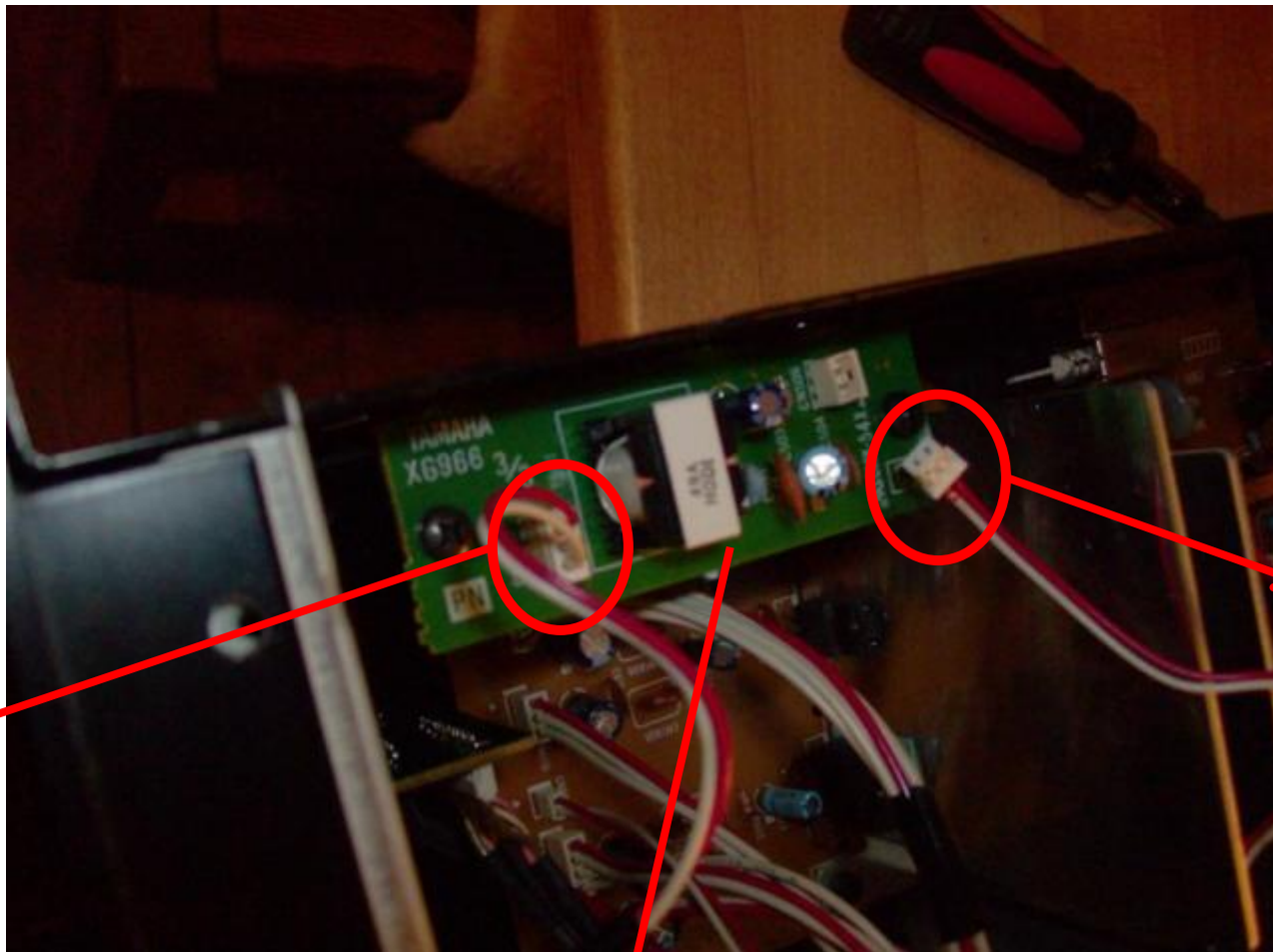


TG77 – Display replacement

Find converter



Remove metal case from converter and disconnect both connectors

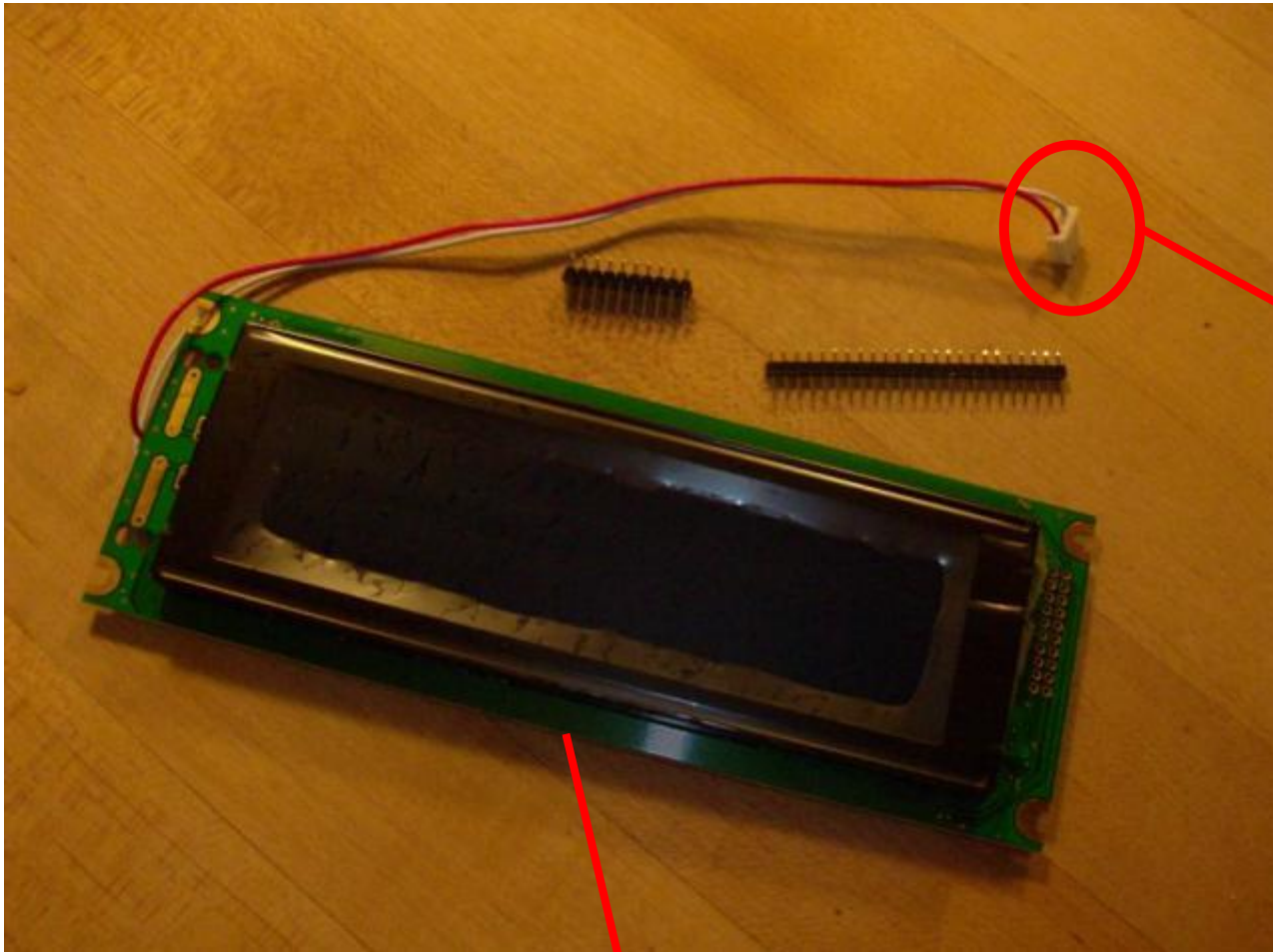


3 pin
goes to old
display and
will be
removed

5V power
supply for
the new
display

The („whining“) circuit board can be removed
as it is not needed for the new display

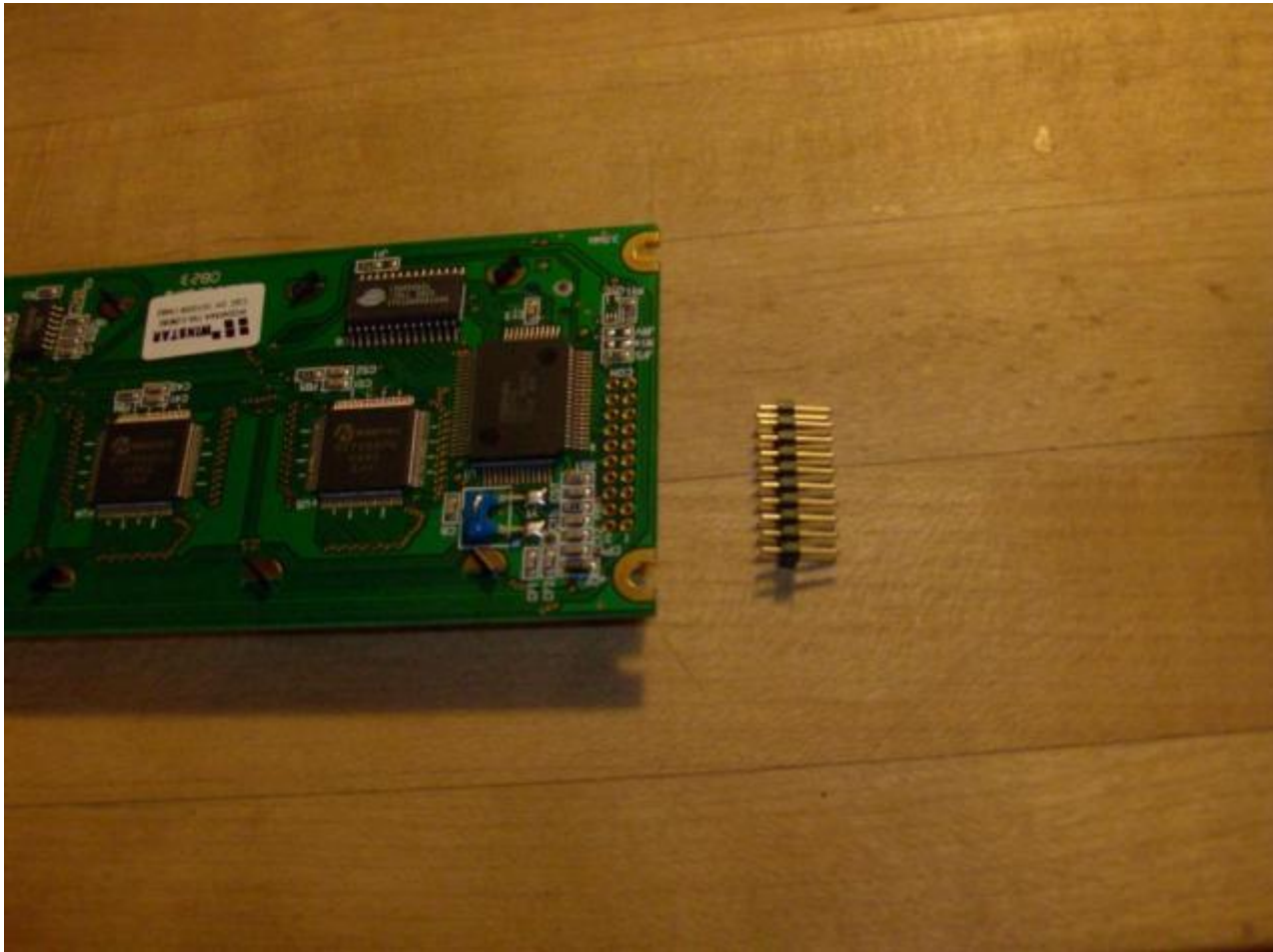
New display



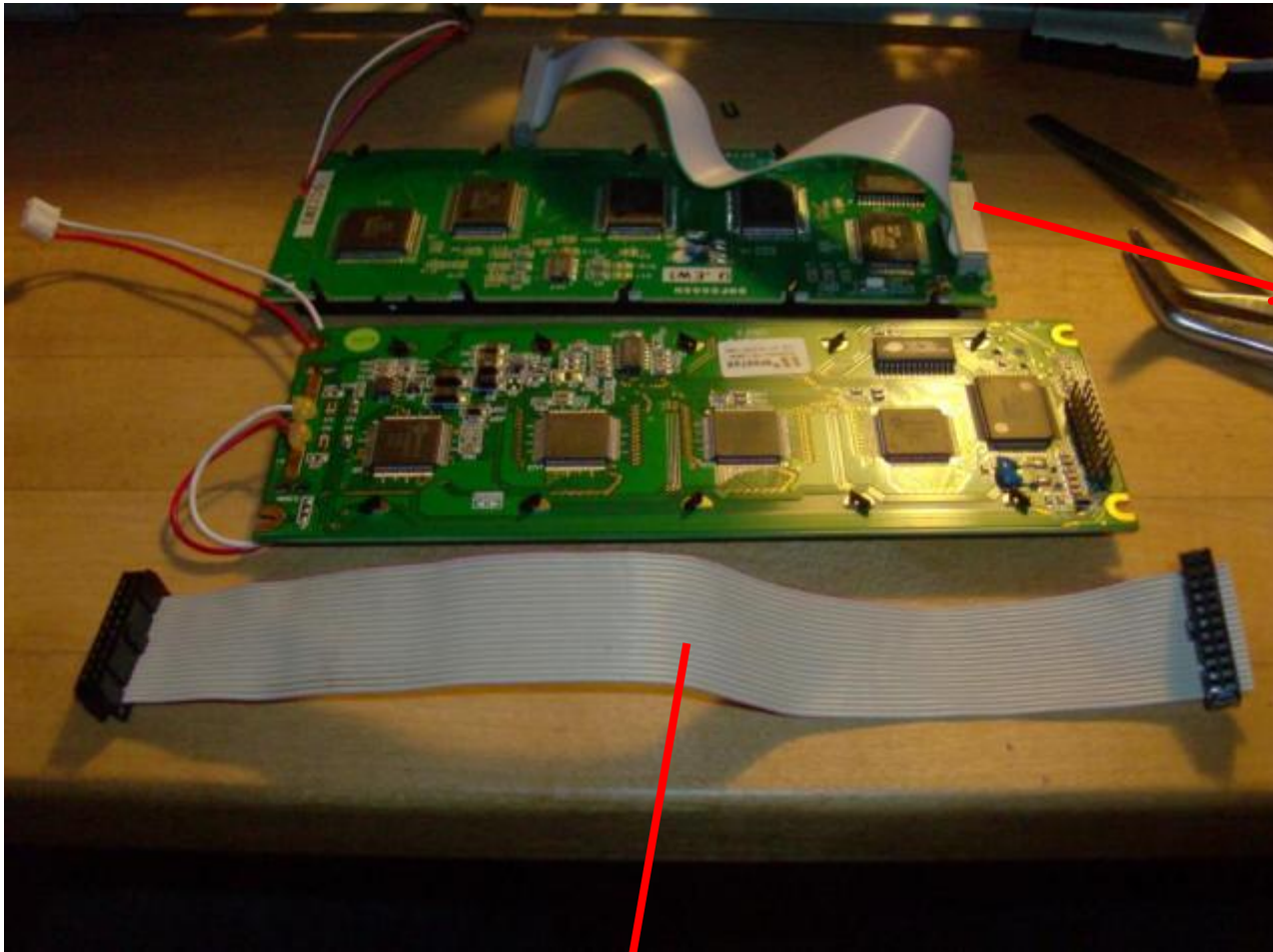
This is where the 5V power supply of previous page goes

I bought it from <http://www.sureelectronics.net/goods.php?id=772>
both connectors were included, you'll need the small one

Solder the small connector to the display



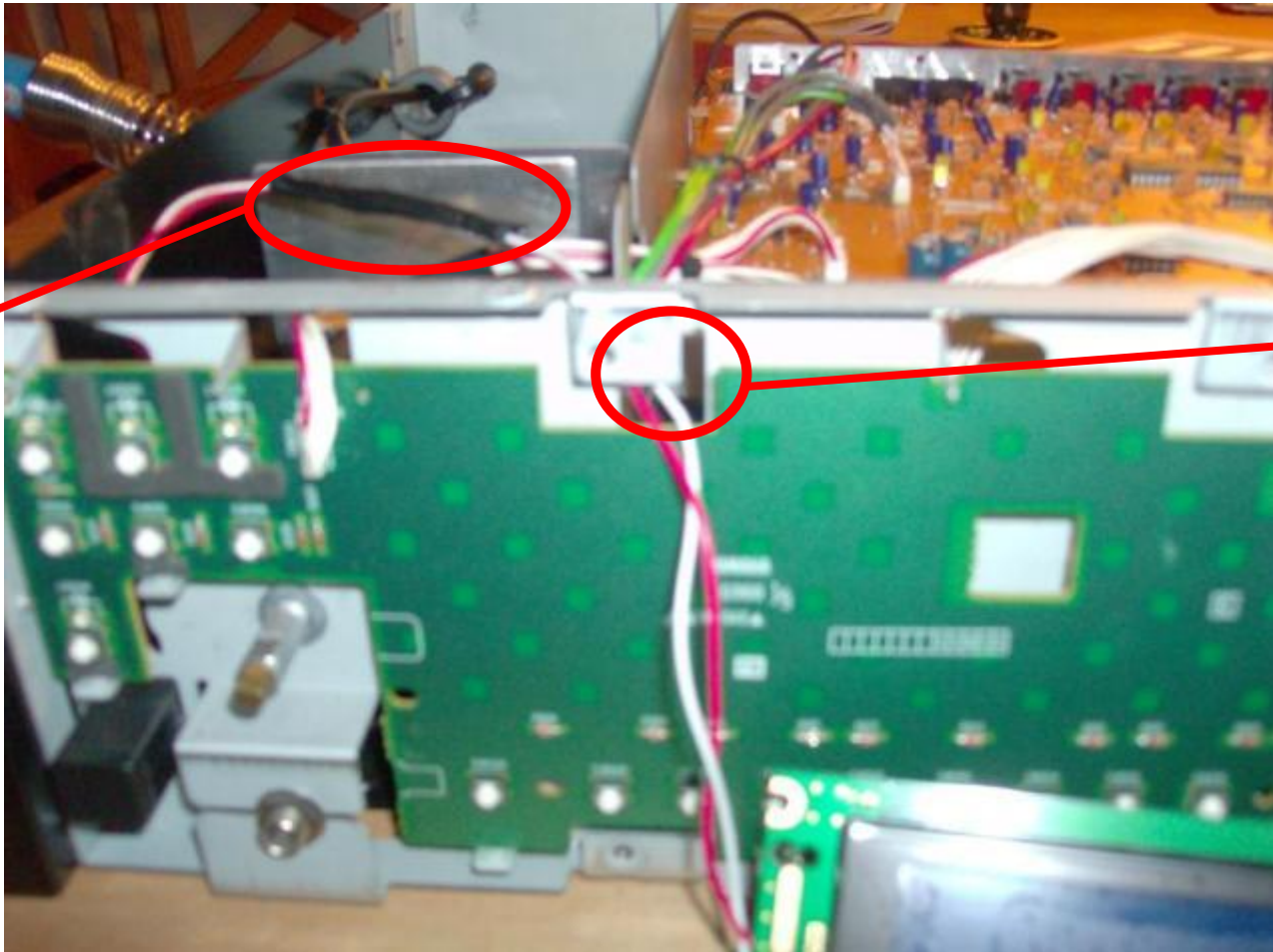
Make a flat cable



Use old display as a reference to make sure your cable is correctly wired

I used an old pc cable and bought two 20 pin connectors

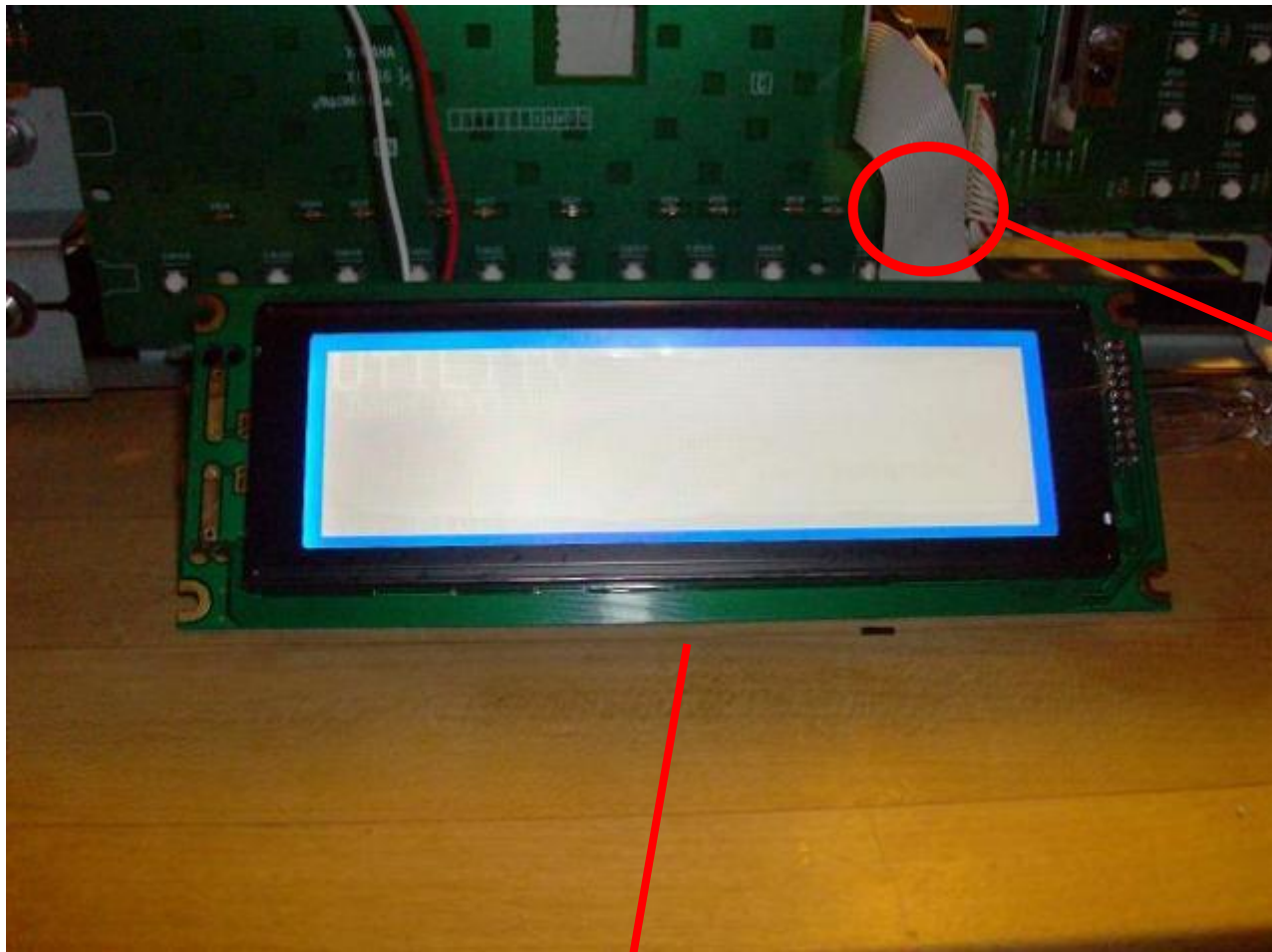
Wire it all up



Connect 5V power red to red, white to white to converter cable (page 3)

The 5V power supply needs to pass this hole

Oh my God – it doesn't function

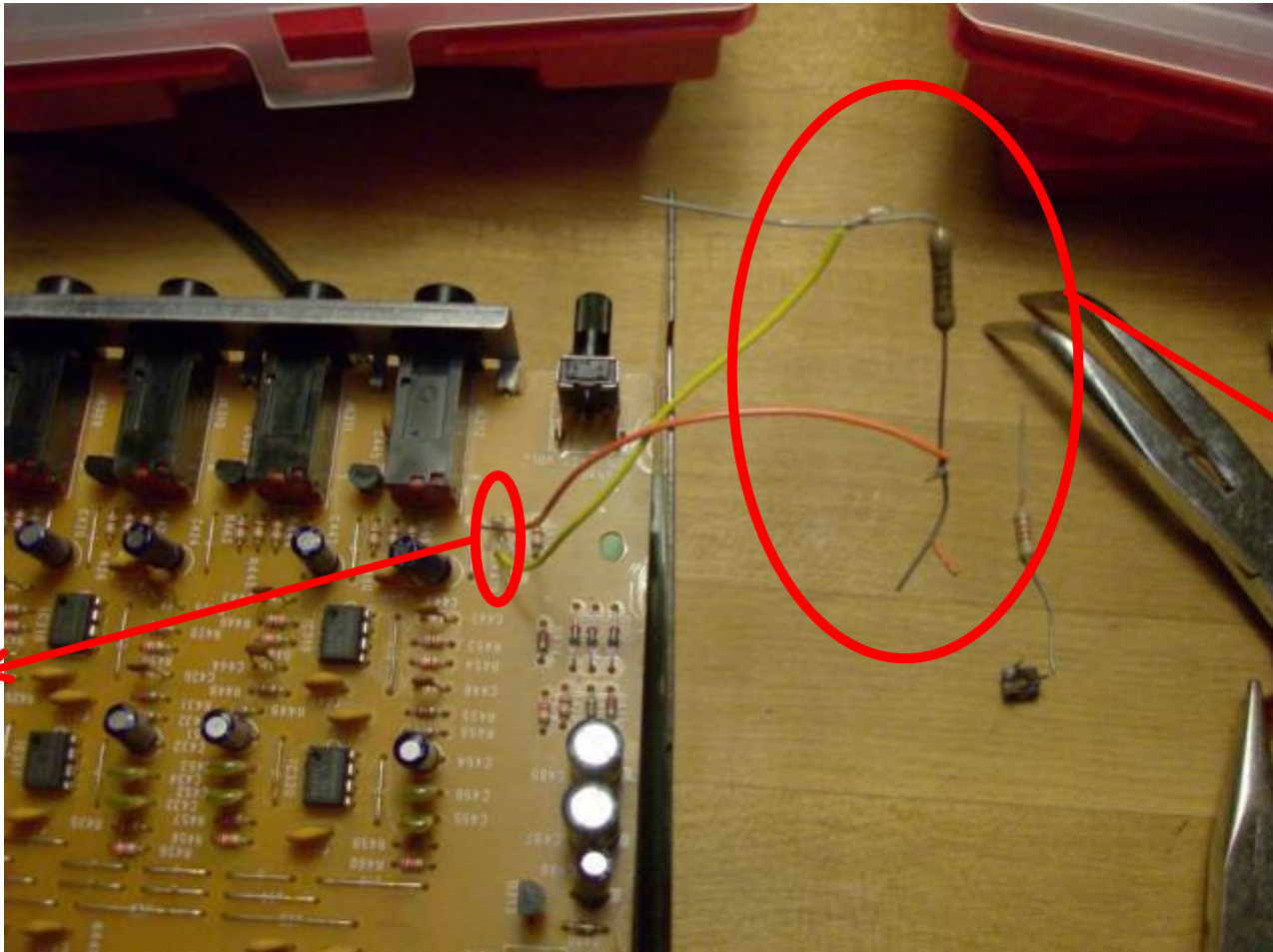


Flat cable is connected exactly as the original one

The overall brightness is much too high and display is hardly readable. Synthjoe (Yamaha Forums UK) helped me out... (see next page)

Adjust the polarising voltage: locate R476 near contrast knob

R476 – 1K resistor
replace it:
any value
between 5
and 6 K will
do (mine
was 5.33K)



Experi-
menting
with
resistors
to find a
suitable
voltage

That's a lot better 😊



Oh, a new battery would be a great idea too – find it on the lower board



Mission accomplished !

