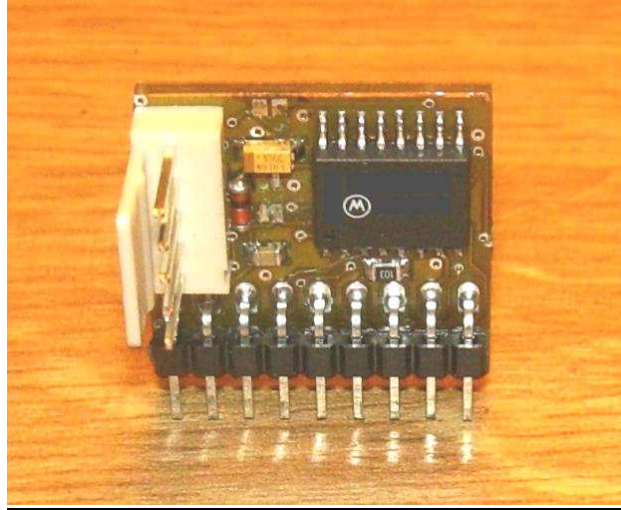


Sommerkamp TS340 PLL Modul



This modul will give 120 channels (26.515 to 27855) to the radio, a +10kHz and a +5kHz jump.

When re-building the **DX-variant without RIT** and removing the additional pcb, both red and both black and the white wire must be reconnected to the radio, and also the 330k resistor (R128) must be reassembled.

When modifying a **DX-variant with RIT** a DDS-modul should be used, or the radio should be sent to me.

1. Preparing the radio for the PLL modul:

Add a capacitor of **4.7pF** from the base of Q22 to the drain of Q12.
Use picture1 to do this.

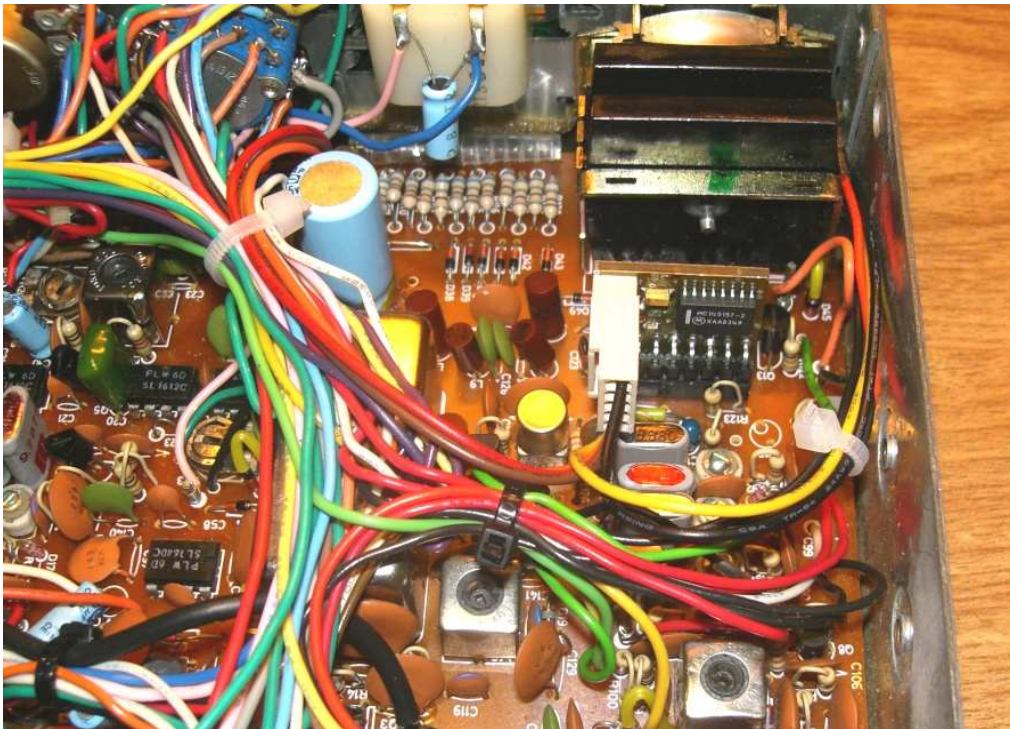
Remove **C110**, and if assembled, also **C127**. There is no need to this if an old module (before 2013) is used.



Picture 1:Preparing

2. Connecting the modul:

- Remove the PLL, CCI3001.
- Put in the PLL-modul instead of the pll. Maybe you will have to drill the holes in the pcb to 0.8mm. The white connector of the modul must look to the rear side of the radio. It is recommended to use a socket.



Picture 2:Connecting the modul

3. Connecting the switches:

Find some switches you don't need anymore and connect the wires of the white 5pin header.

Only switch to GND! This is very important.

Pins seen from up to down on the 5pin header. Colours are for standard connectors.

- 1: GND (black)
- 2: Upper band (brown)
- 3: Lower Band (red)
- 4: +10kHz (orange)
- 5: +5kHz (yellow)

If all wires are left open, the radio works in the normal CB-band.