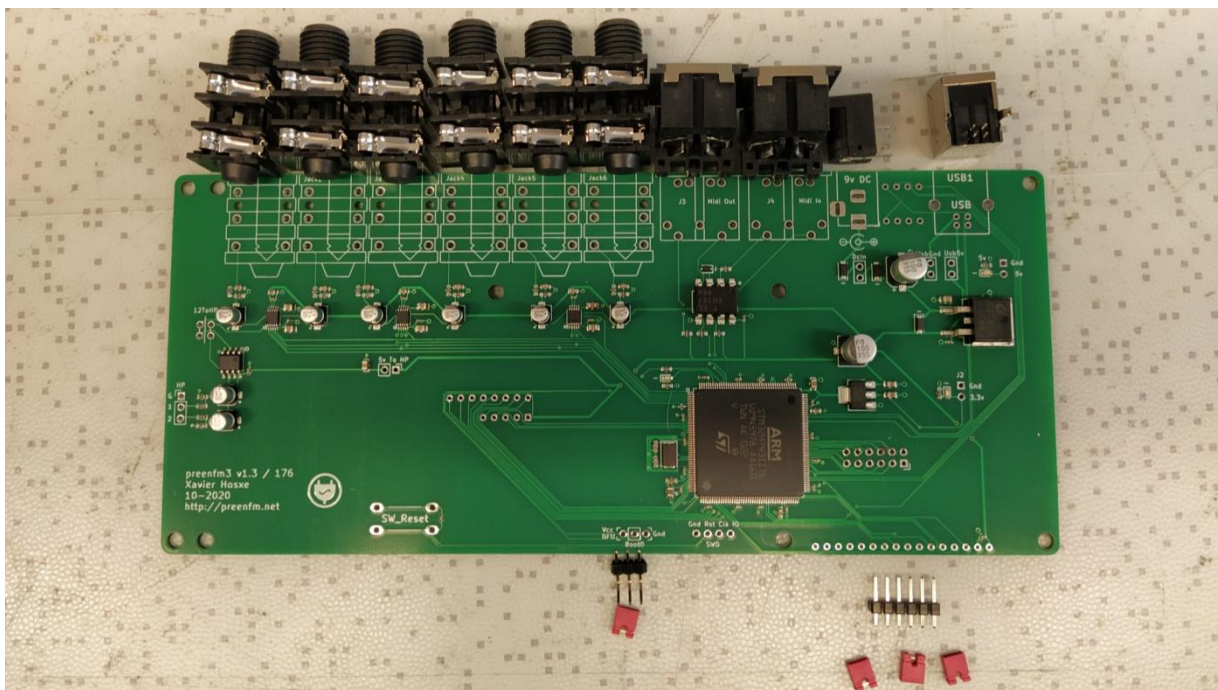


## preenFM3 Assembly instructions. v1

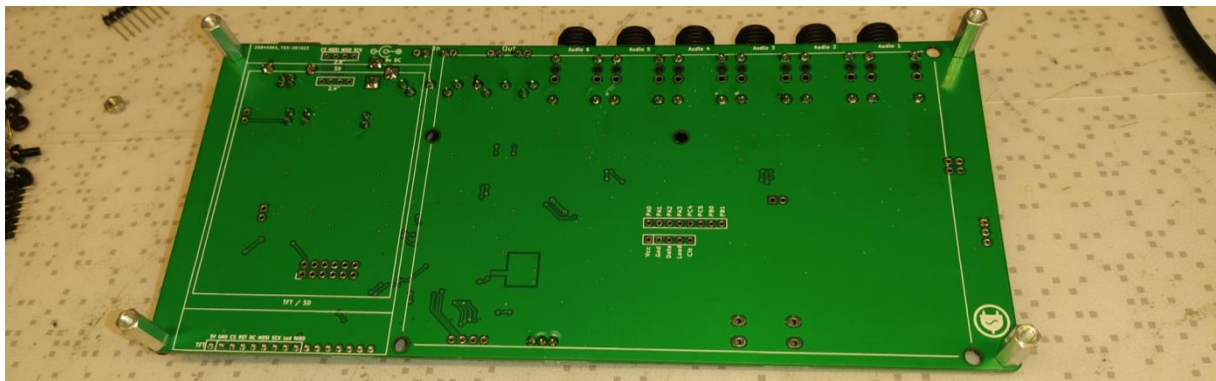
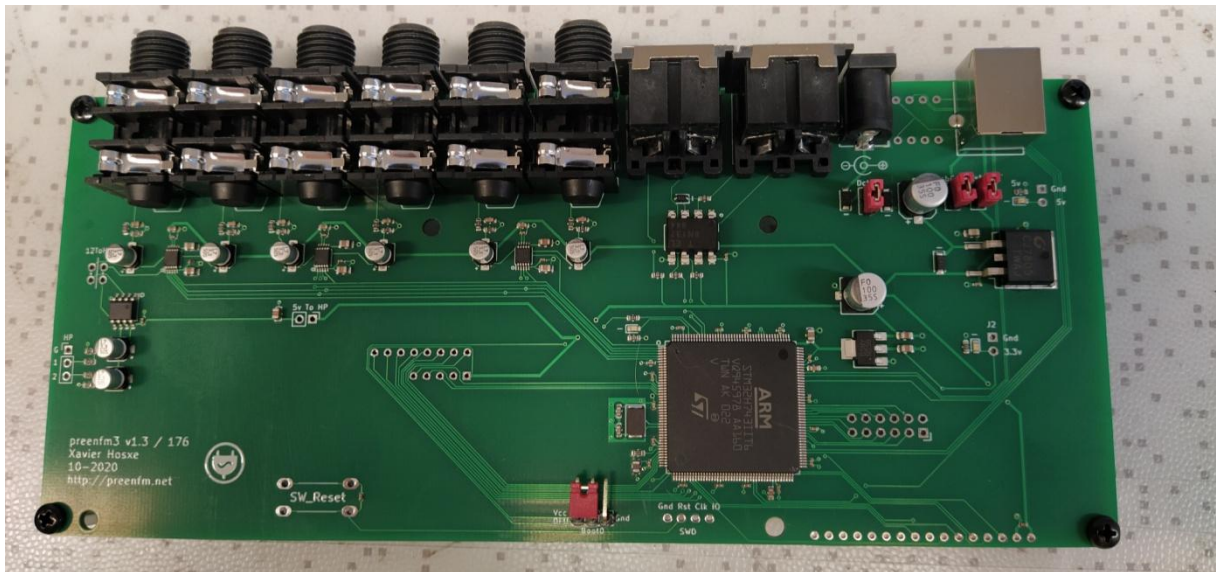
This is what you will see when receiving the package. It has everything you need to assemble a working PreenFM3.



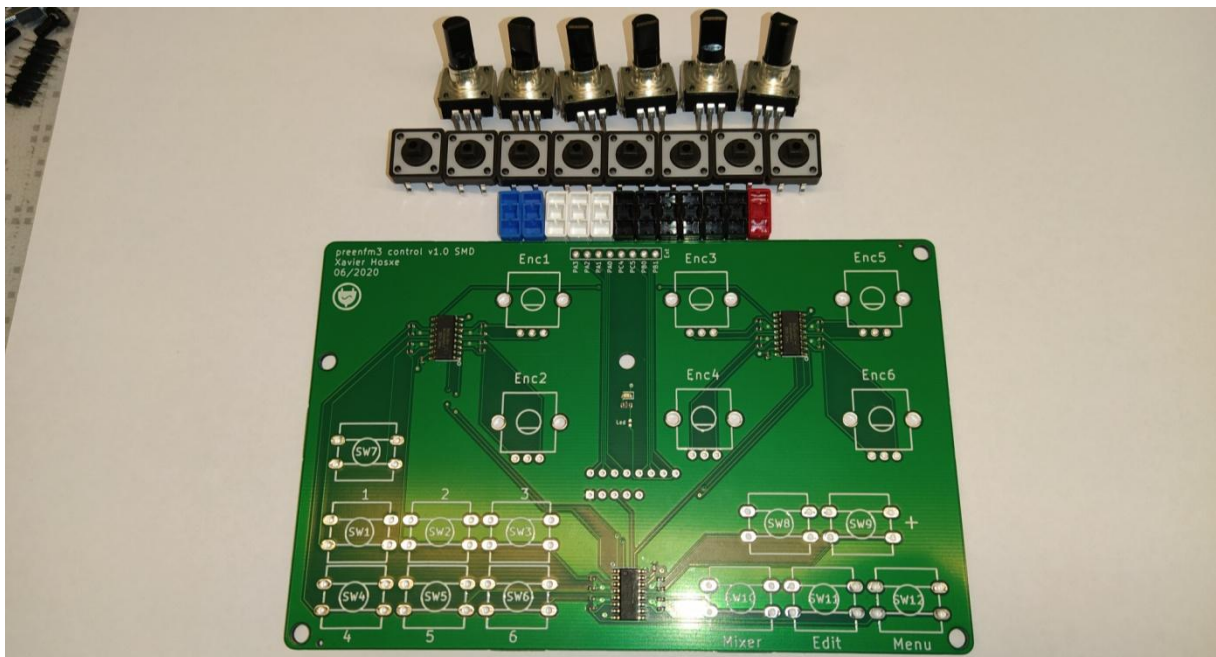
1) Step 1. Solder parts on the main board. Angled pinheaders for the Boot. Cut the 6 pin pinheader to 3x2pin and install red jumpers on them.



This is the result. Also mount the M3x15 spacers 4pcs with black M3x6 screws.



2) Step 2. Mount the switches and encoders on the control board.





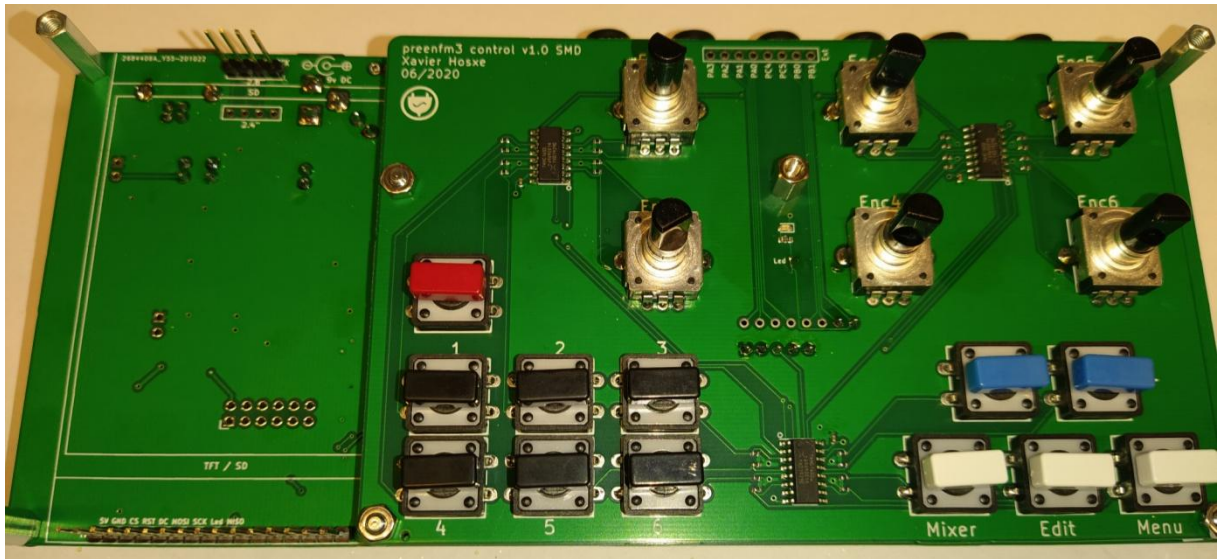
preenfm3 control v1.0 SMD  
Xavier Hosse  
06/2020

Isolator washer.

1 2 3 4 5 6

Mixer Edit Menu

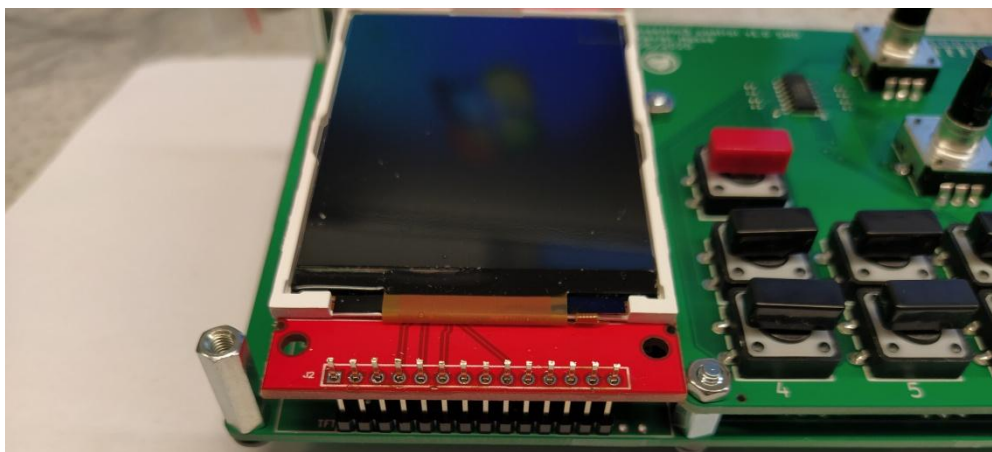
4) Step 4. Solder the pinheaders on both sides. On top of control board and on the back of the mainboard. Insert long pinheaders on the TFT position, cut 1mm off from all the pins. On the low-row cut and remove the un-needed pins. **NB: Dont solder long pinheaders.**



5) Step 5. Remove the short pinheader from the TFT screen and clean the holes from solder.



6) Step 6. Insert the TFT screen on top of the pinheaders.

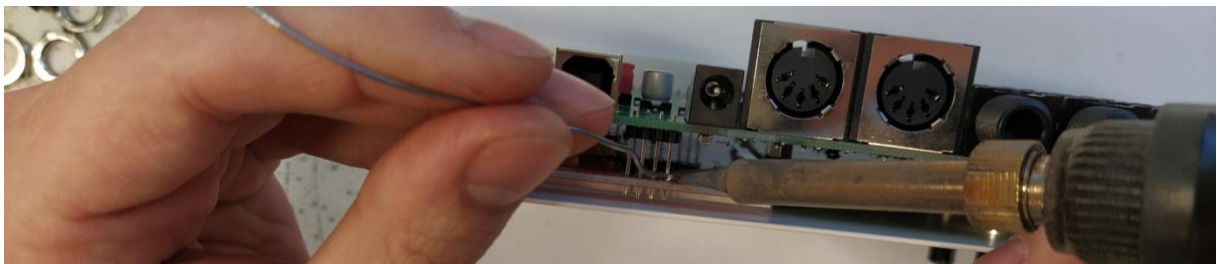




7) Step 7. Prepare the top. Remove the Plastic wrap from the Screen protector bottom, glue it with supper glue. Insert the LED Lightpipe and glue with supper glue. Let it dry.



8) Step 8. Mount the Frontpanel to the PCB assembly using black 4pcs M3x6mm screws and 1pcs M3x4mm black screw. Solder the Pinheaders for the TFT screen. As many as you can reach. Make sure everything fits well. Remove the front panel from the PCB assembly and solder all the pins that you didnt reach. Also make sure you got them all. Remove the TFT screen protector film. Now put back the frontpanel.



9) Step 9. Copy all the needed files on the SD card and cut it shorter with scissors from the line shown.



10) Step 10. Mount the SD card behind the TFT screen card slot. Flash the bootloader and firmware using USB cable and suggested software from PreenFM3 site. See if it works properly. Assemble the bottom case part to the rest of the assembly. Use 2pcs small metal screws and the audio jack nuts. Install the knobs as the last step, they are hard to get off.



Ardi Mäesalu

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December 2020.