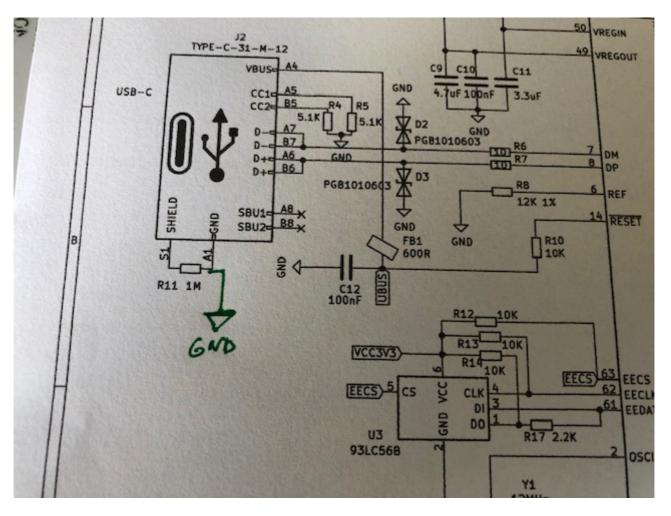
Radioberry Juice board

Hereby a description of the software setup and hardware modifications.

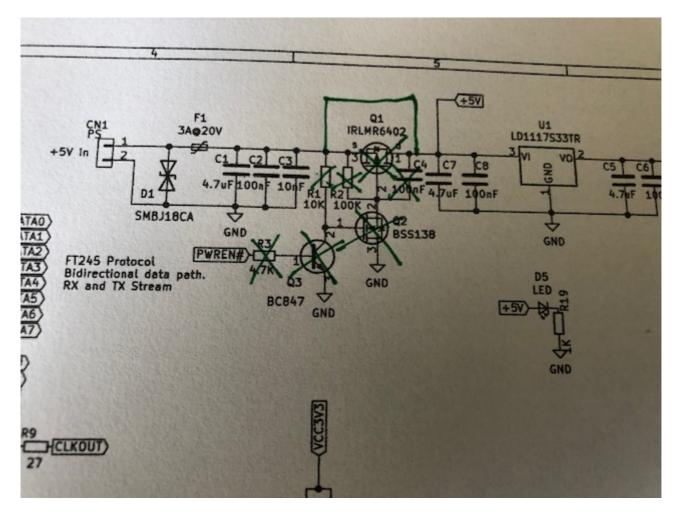
Hardware mods described are based on the beta 0.1. Showing the schematic changes but also the PCB changes.

There is only a gateware for the radioberry using a Cyclone CL025 available.

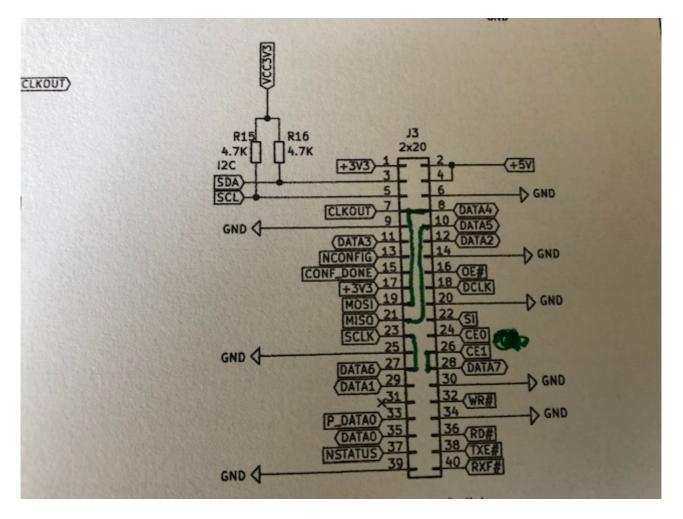
1. Connect resistor R11 to GND.

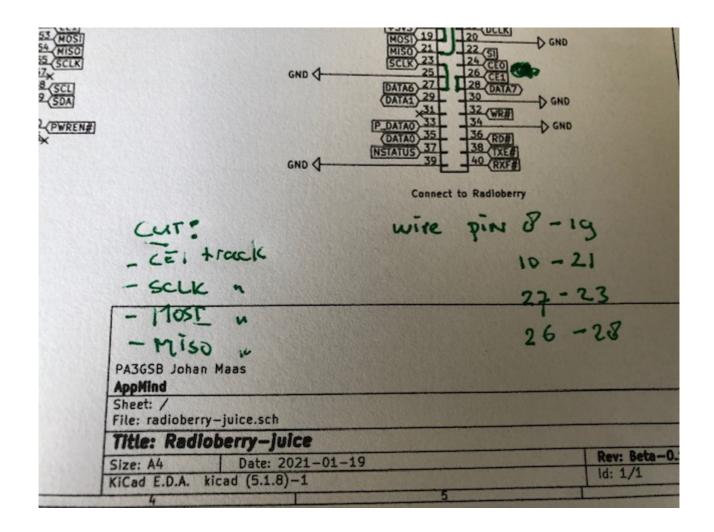


2. Supply for Radioberry

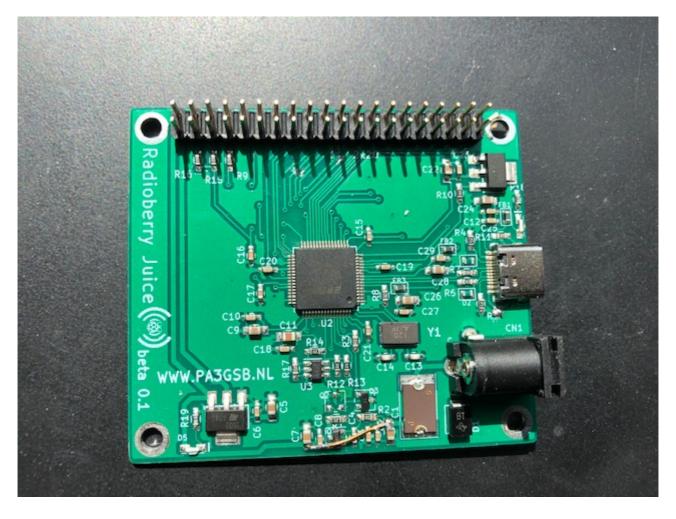


3. IO connections



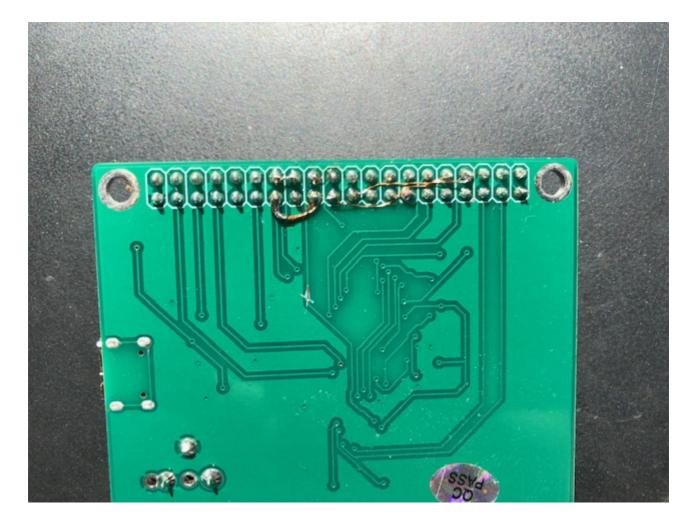


Top changes:

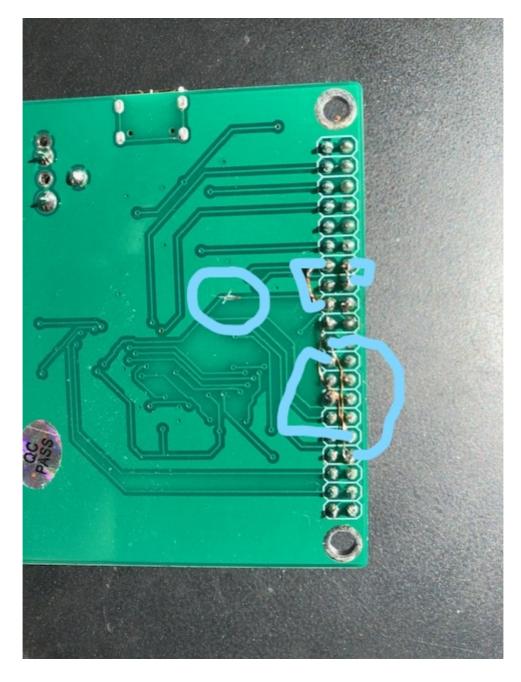




Bottom side mods:



Marked changes:



Windows 10 software setup:

Install drivers;

download the drivers ftom FTDI site:

https://ftdichip.com/drivers/d2xx-drivers/

Device management:

> 🗷	Toetsenborden
~ 1	Universal Serial Bus-controllers
	Intel(R) USB 3.0 eXtensible Host Control
	Samengesteld USB-apparaat
	Samengesteld USB-apparaat
	Samengesteld USB-apparaat
	USB Serial Converter A
	USB Serial Converter B
	USB-hoofdhub (USB 3.0)

In dutchsome driver details:

Algemeen	Geav	/anceerd	Power Manage	ement
Stuurprogramm	a	Details	Gebeurteni	ssen
USB Seria	l Converter	A		
everancier:	F	TDI		
Datum:	1	6-8-2017		
Stuurprogrammaver	sie: 2	.12.28.0		
Digitaal ondertekend		licrosoft Windo Publisher	ws Hardware Compa	tibility
etails van stuurprog		Bekijk gegeven stuurprogramm	s over de geïnstalleer abestanden.	de
Stuurprogramma bij	werken	Werk het stuur apparaat.	programma bij voor di	t
Vorig stuurprogram	mma	gebruiken als h	nstalleerde stuurprogra et apparaat na het bi ogramma niet meer v	jwerke
Apparaat uitschal	kelen	Het apparaat u	itschakelen.	
Apparaat verwijd	eren	Het apparaat van het systeem verwijderen (geavanceerd).		

Download FT-Prog

Use the template; import the template. (see download link later)

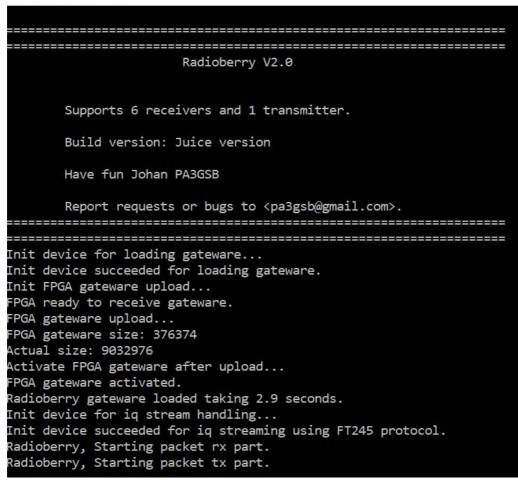
A EEPROM V FLASH ROM			
FILE DEVICES HELP			0
Device Tree Device: 0 [Loc ID:0x131] Device Descriptor USB Device Descriptor USB Config Descriptor USB String Descriptors Hardware Specific		Value 'FT2232H' 0x0403 0x6010 'radioberry-juice' FT5ZLNMM 'FTDI' 0x131 93C56 EEPROM evice, the treeview gives a represents. Expand for more detail.	entation
Device Output			
Device: 0 [Loc ID:0x131] Word MSB 0000: 0101 0403 6010 0700 3280 000 0008: 22A4 12C6 0000 0000 0056 000 0010: 0000 0000 0000 0000 0000 000	00 0000 0000 "	`2 V	

https://drive.google.com/file/d/1LfUrk8kM_YoO8rlOGOZY9th0F2e8EK-2/view?usp=sharing unzip : radioberry-juice.zip

Change folder and open a command window and start radioberry-juice

Accept some window defender messages if applicable.

radioberry-juice.exe



Start SparkSDR and you are in business...

Have fun

73 Johan PA3GSB