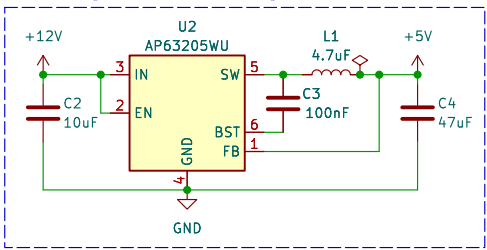
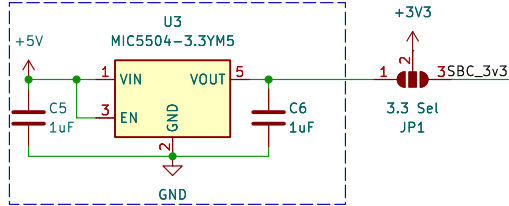


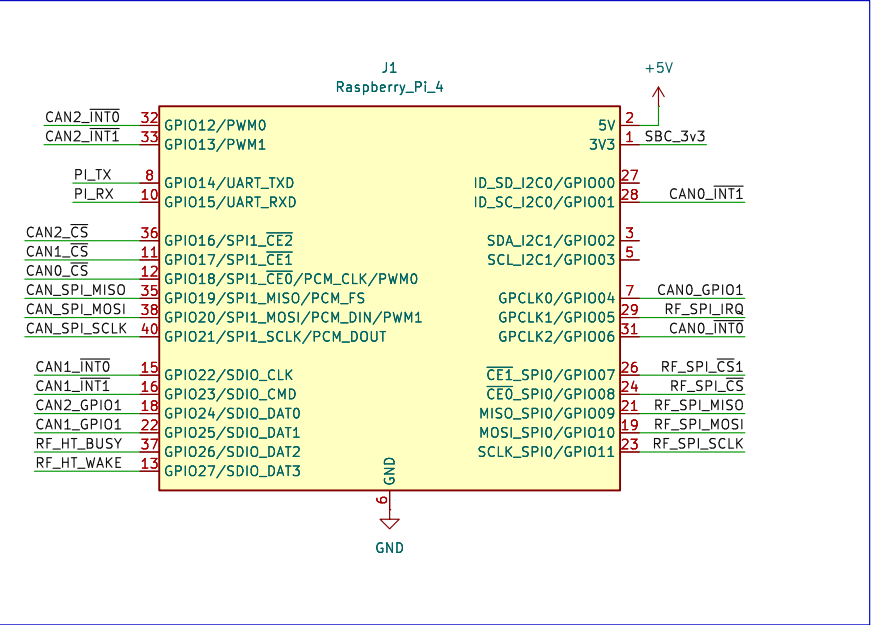
5v Regulator Design Block



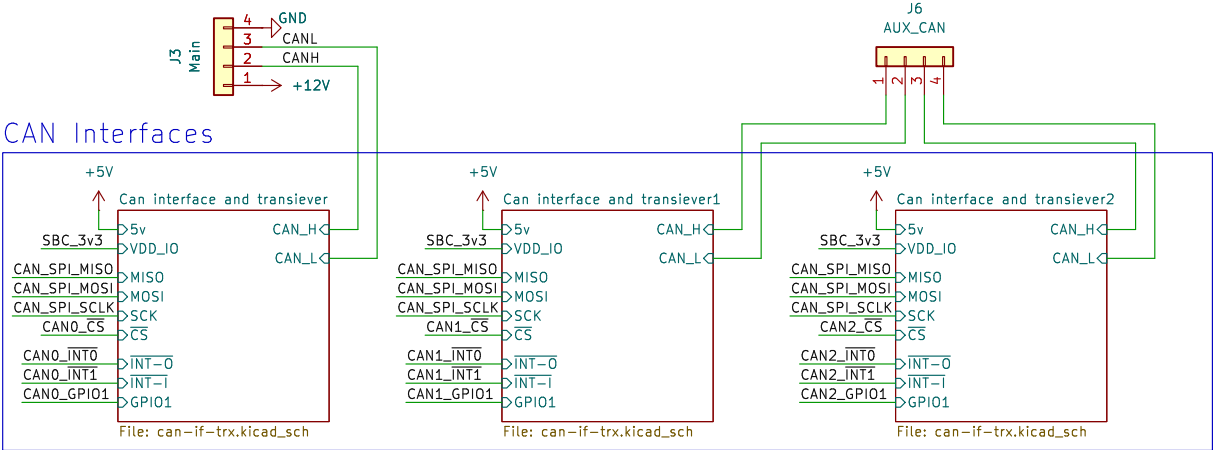
3.3 Reg Design Block (OPT)



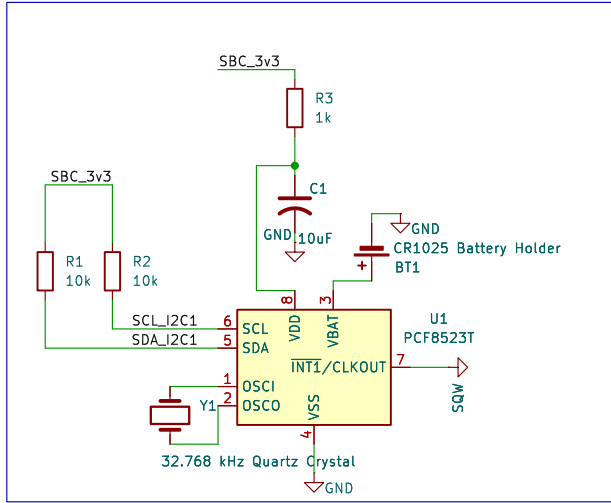
Rpi (Z2, 4, 5)

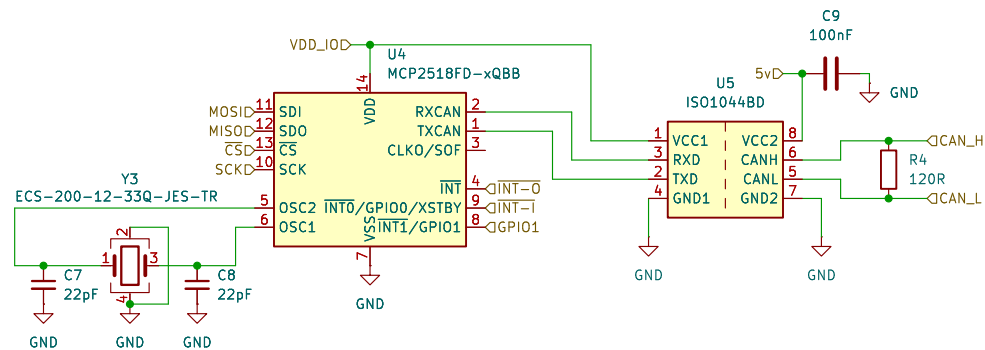


CAN Interfaces



RTC





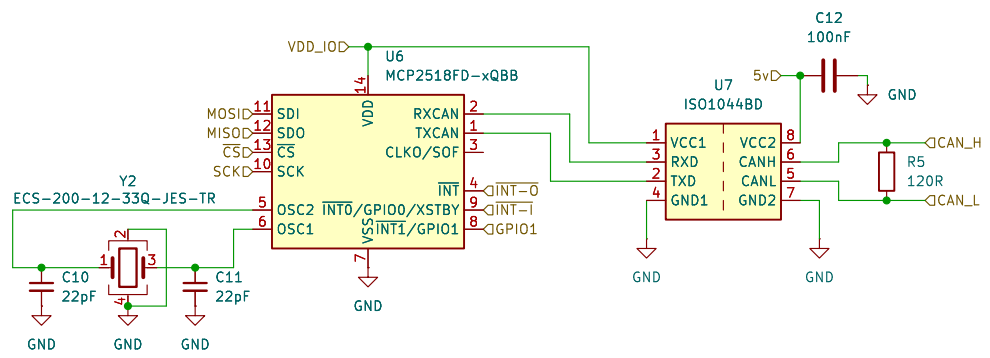
Sheet: /Can interface and transiever/  
File: can-if-trx.kicad\_sch

**Title:**

Size: A4  
KiCad E.D.A. 9.0.6-unknown

Date:

Rev:  
Id: 2/6



Sheet: /Can interface and transiever1/  
File: can-if-trx.kicad\_sch

**Title:**

Size: A4

Date:

KiCad E.D.A. 9.0.6-unknown

Rev:

Id: 3/6

Id: 4/6

J9  
21992304

Pin	Signal	Pin	Signal
1	GND	2	
3	3v3	4	
5		6	
7	GND	8	
9		10	
11		12	
13		14	
15		16	
17		18	
19		20	
21		22	
23		24	
25		26	
27		28	
29		30	
31		32	
33	GND	34	
35		36	
37		38	
39	GND	40	MOSI
41		42	MISO
43		44	CLK
45	GND	46	
47		48	
49		50	
51	GND	52	
53		54	
55		56	
57	GND	58	
59		60	
61		62	IRQ
63	GND	64	CS
65	VDDIO	66	
67		68	
69	GND	70	
71		72	
73	3v3	74	3v3
75	GND	76	
		77	
		78	
		79	
		80	
		81	SHIELD
		82	SHIELD_1

VDDIO: 3.3v

This is not the same pin->footprint mapping as the datasheet!!  
Pin 51 is TOP face on big side, odd pins top, even pins bottom.  
This is incredibly fucking stupid

Fuck you heltec

This orientation should match the picture >>

The diagram illustrates the pin mapping for the HT-HC01 module. It shows the top view of the module with pins 1-52 labeled. The pins are connected to various signals and power sources. The top view shows the following connections:

- Pin 51: DHT\_CS
- Pin 49: MOSI
- Pin 47: MIS0
- Pin 45: CLK
- Pin 41: 3v3
- Pin 39: 3v3
- Pin 37: 3v3
- Pin 35: 3v3
- Pin 33: DHT\_WAKEUP
- Pin 31: DHT\_BUSY
- Pin 29: 3v3
- Pin 27: 3v3
- Pin 25: 3v3
- Pin 23: 3v3
- Pin 21: 3v3
- Pin 19: 3v3
- Pin 17: 3v3
- Pin 15: 3v3
- Pin 13: 3v3
- Pin 11: 3v3
- Pin 9: 3v3
- Pin 7: 3v3
- Pin 5: 3v3
- Pin 3: 3v3
- Pin 1: 3v3

The side view shows the HT-HC01 chip with pins 1-52 labeled. The bottom view shows the BUS\_MinIPcie\_Halfsocket with pins 1-52 labeled. The diagram also shows the connection of 3v3D and GND pins to the Heltec Thingimager J2 connector.

<b>Title:</b>		
Size: A4	Date:	<b>Rev:</b>
KiCad E.D.A. 9.0.6-unknown		Id: 5/6

