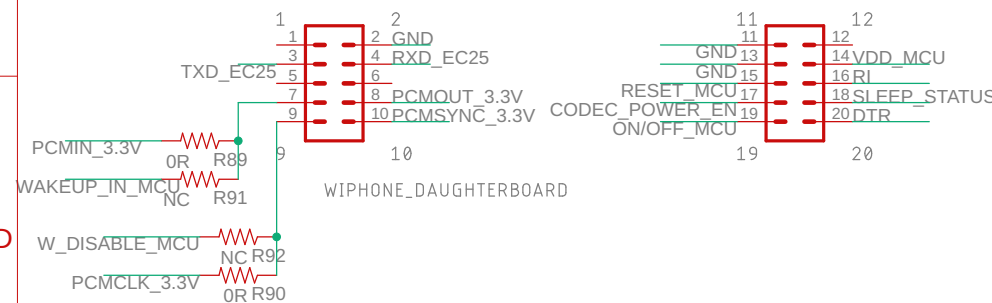
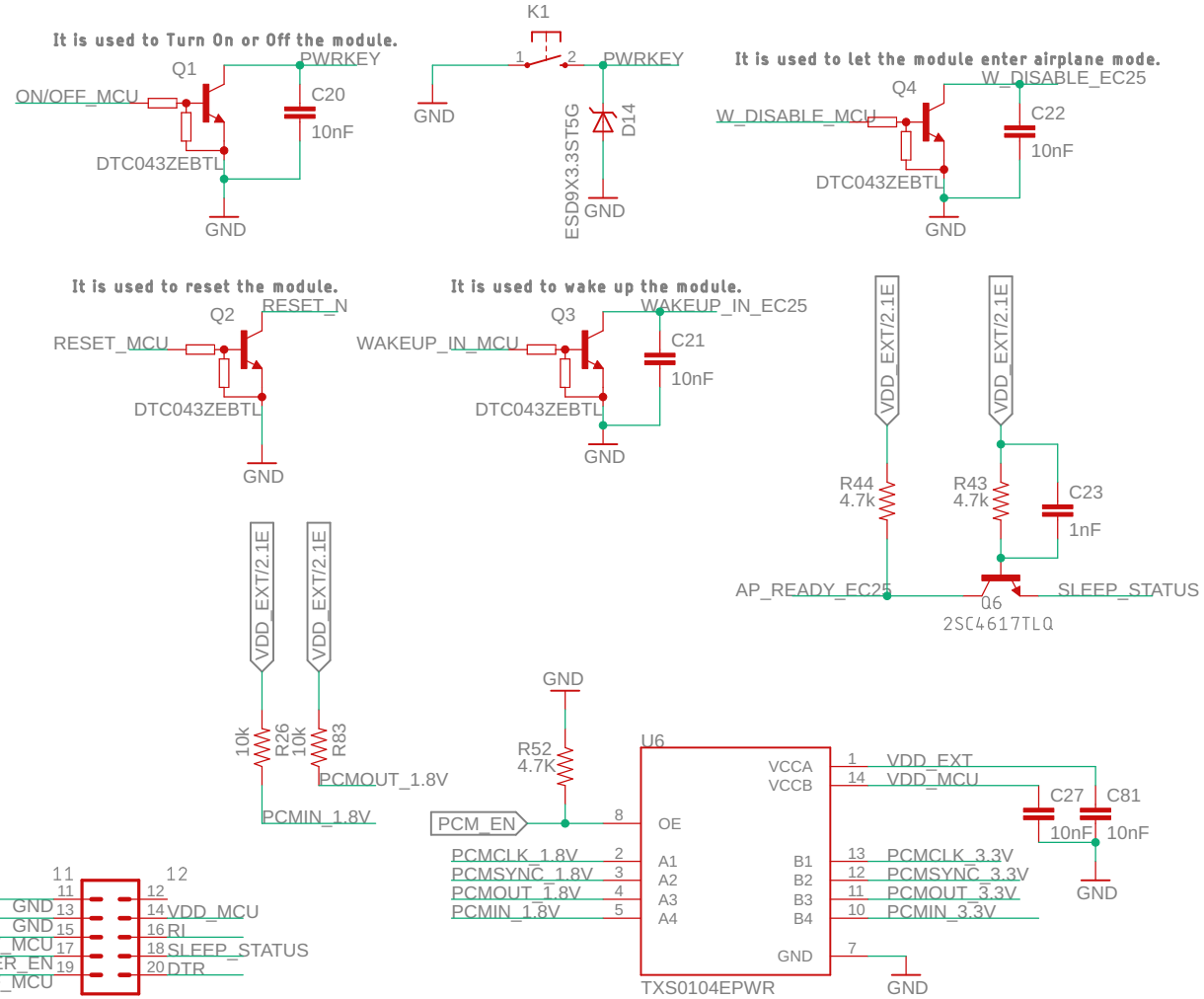


PIN #	ESP32 I/O	Arduino	Function
1	5V	38 (Input Only)	No Connection
3	GPI38	I2C_SCL	TXD_EC25
5	GPI025	12	No Connection
7	GPI012	27	PCM_IN
9	GPI027		PCM_CLK

PIN #	ESP32 I/O	Arduino	Function
2	GND	32	GND
4	GPI032	I2C_SDA	RXD_EC25
6	GPI015	13	No Connection
8	GPI013	14	PCM_OUT
10	GPI014		PCM_SYNC

PIN #	SX1509 IO	Arduino	Function
11	GND		GND
13	GND		GND
15	I010	EXTENDER_PIN(10)	RESET
17	I012	EXTENDER_PIN(12)	CODEC Power EN
19	I014	EXTENDER_PIN(14)	ON/OFF

PIN #	SX1509 IO	Arduino	Function
12	VBAT		No Connection
14	3.3V		3.3V Logic Power
16	I011	EXTENDER_PIN(11)	Ring indicator
18	I013	EXTENDER_PIN(13)	AP_READY
20	I015	EXTENDER_PIN(15)	DTR



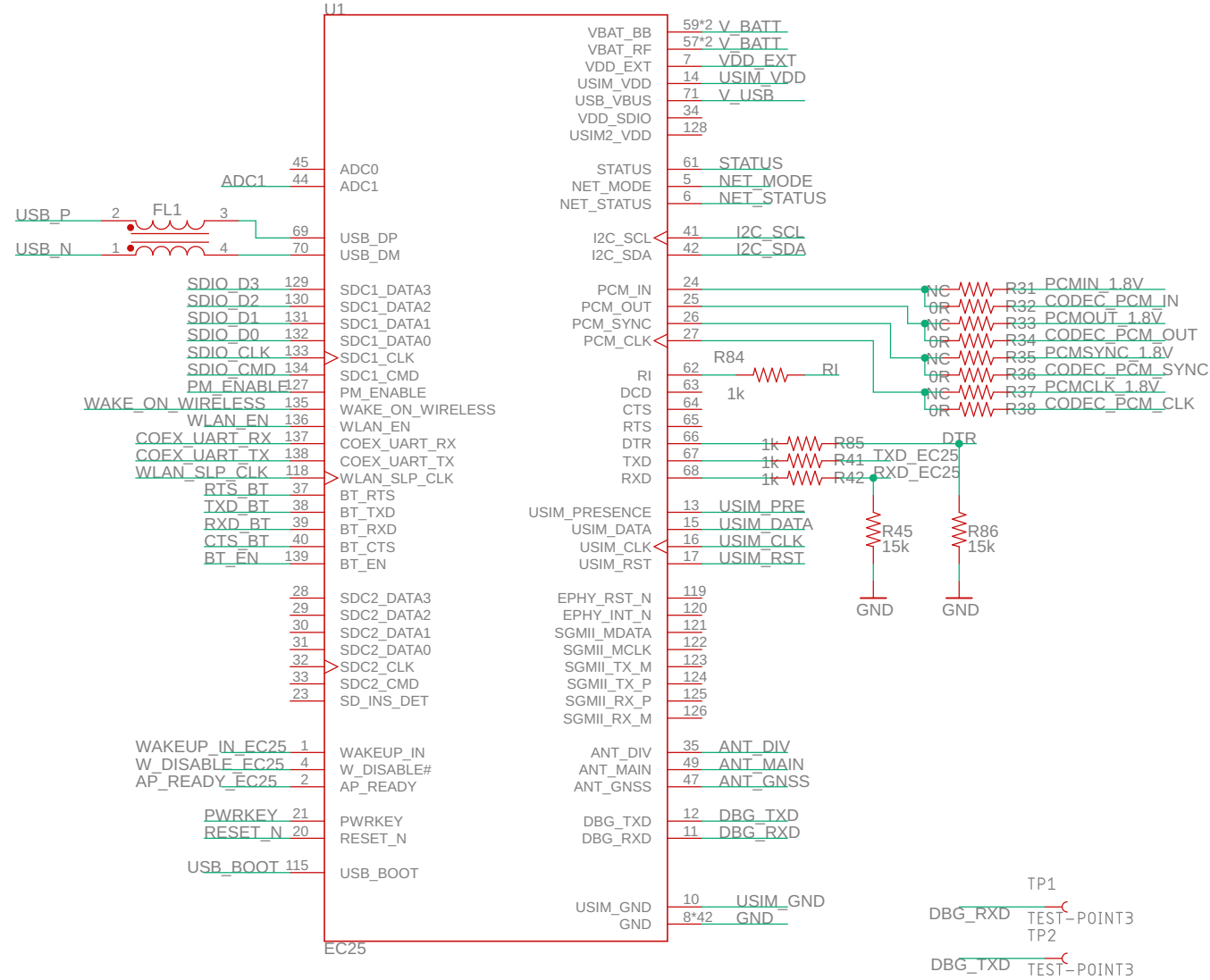
INFO:

4G\_LTE\_DaughterBoard-v1.1

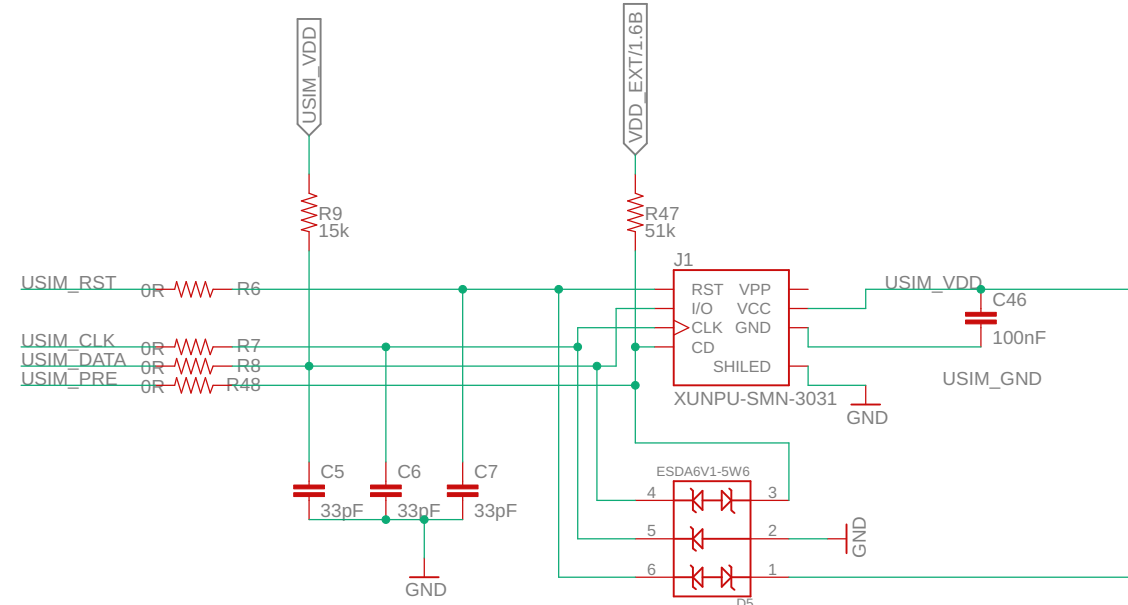
16/06/2024 7:09 pm

Sheet: 1/5

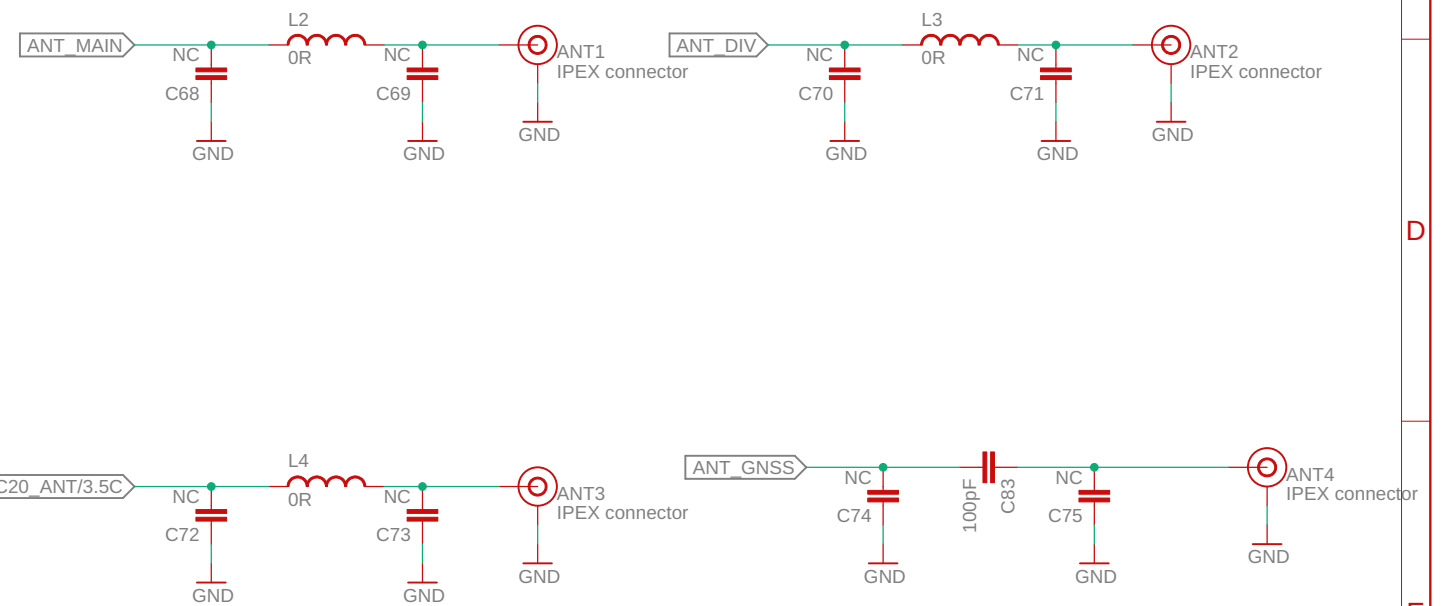
# EC25 Design



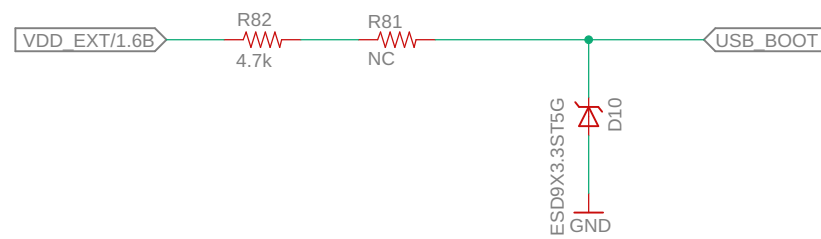
# SIM Interface



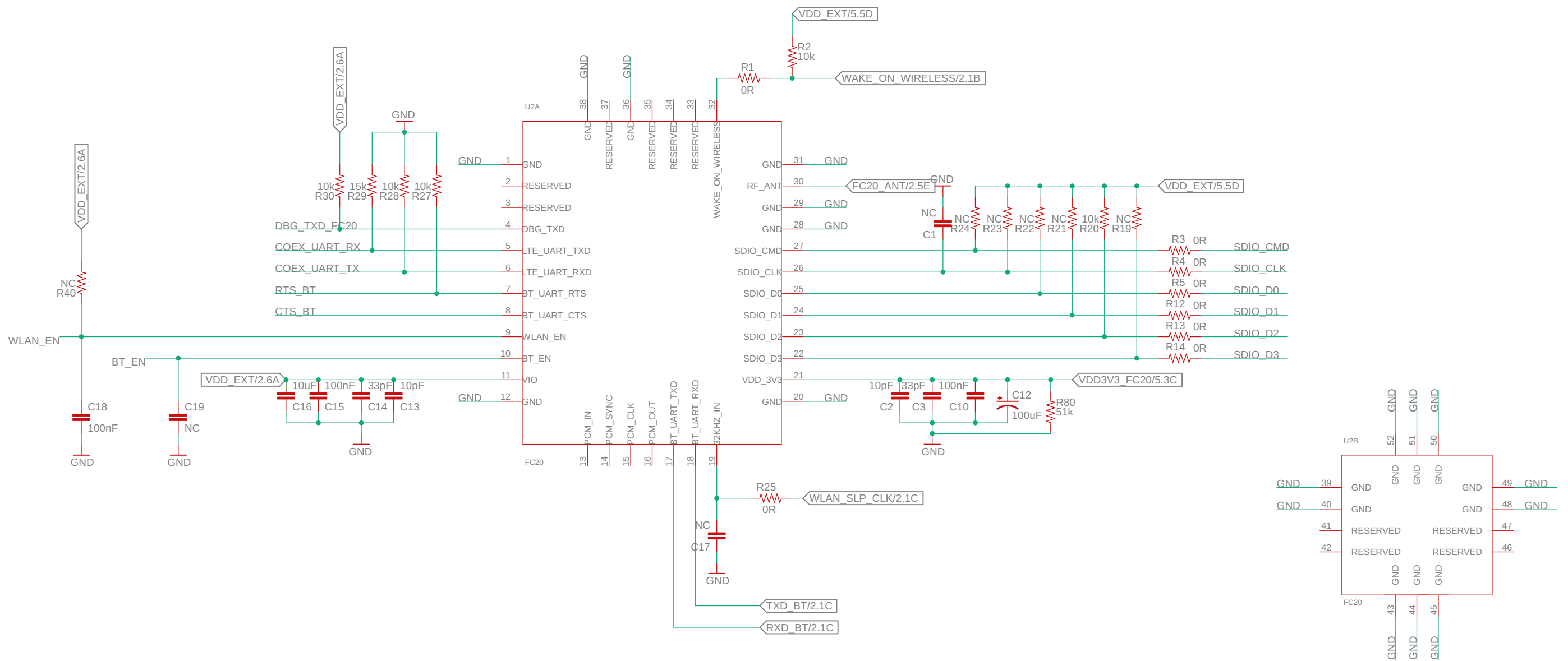
# RF and GNSS Design



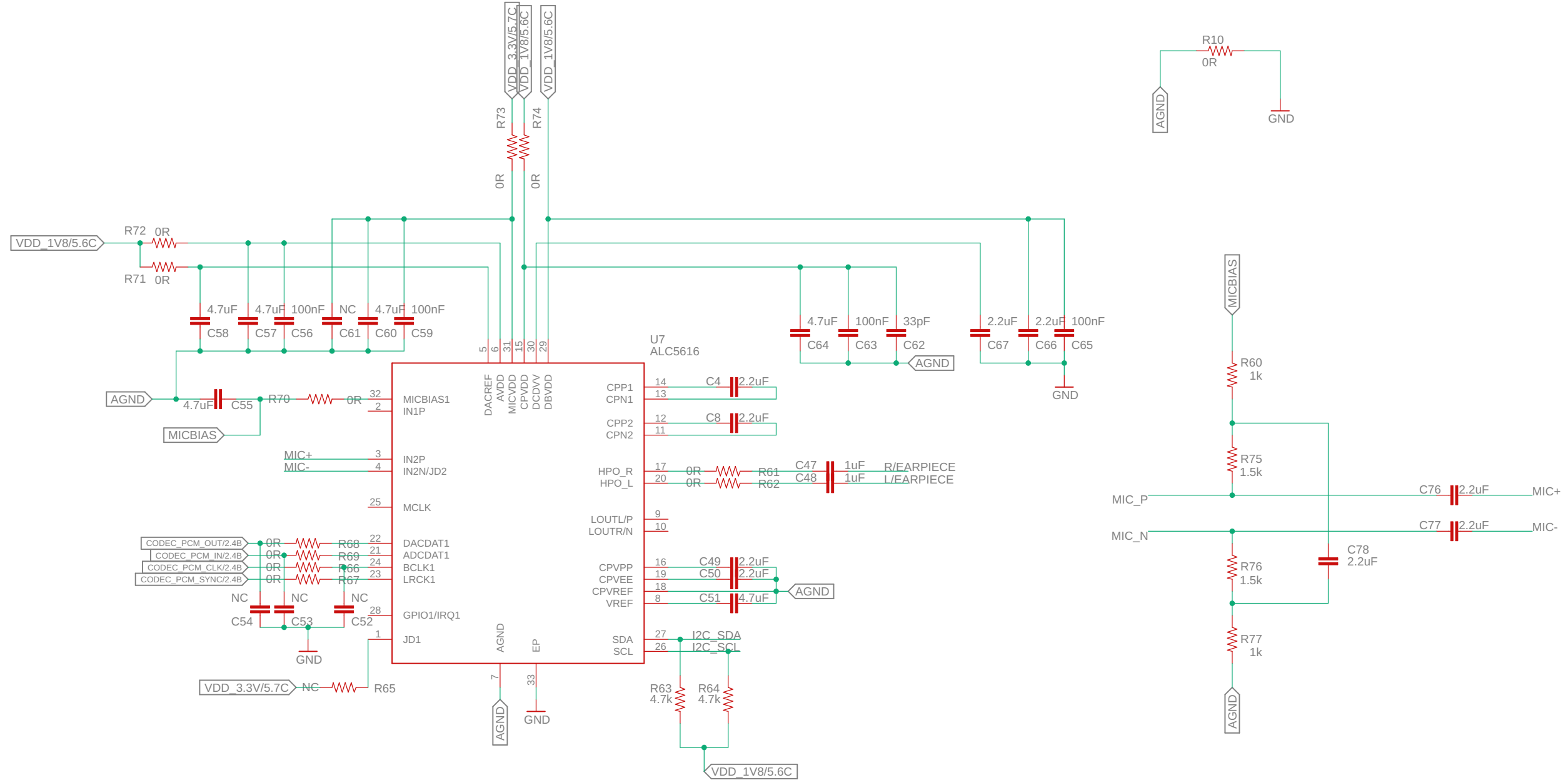
# USB boot Design



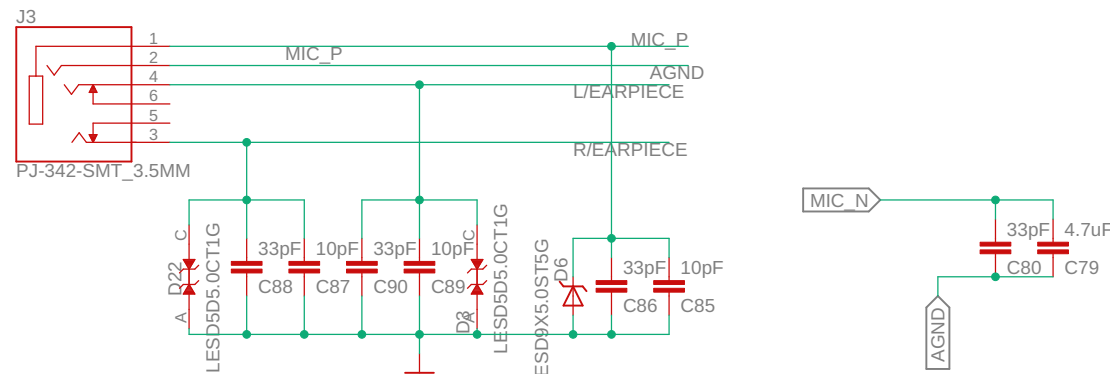
# FC20 Design



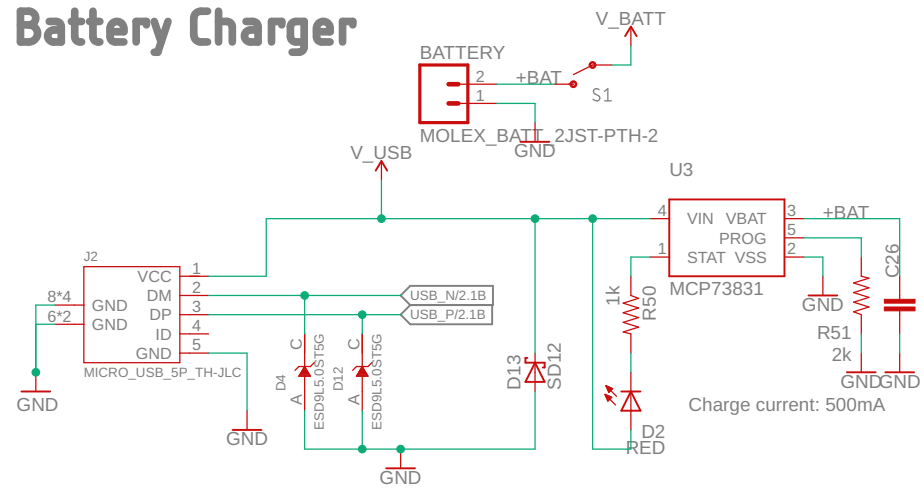
# Audio Codec Design (ALC5616)



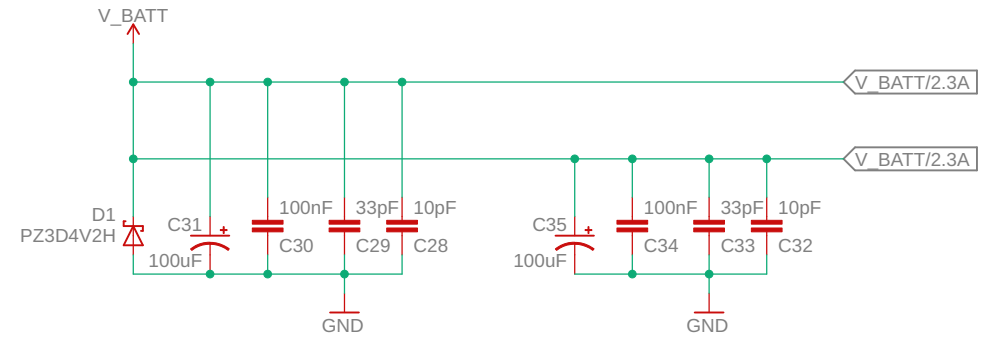
## Earphone Interface



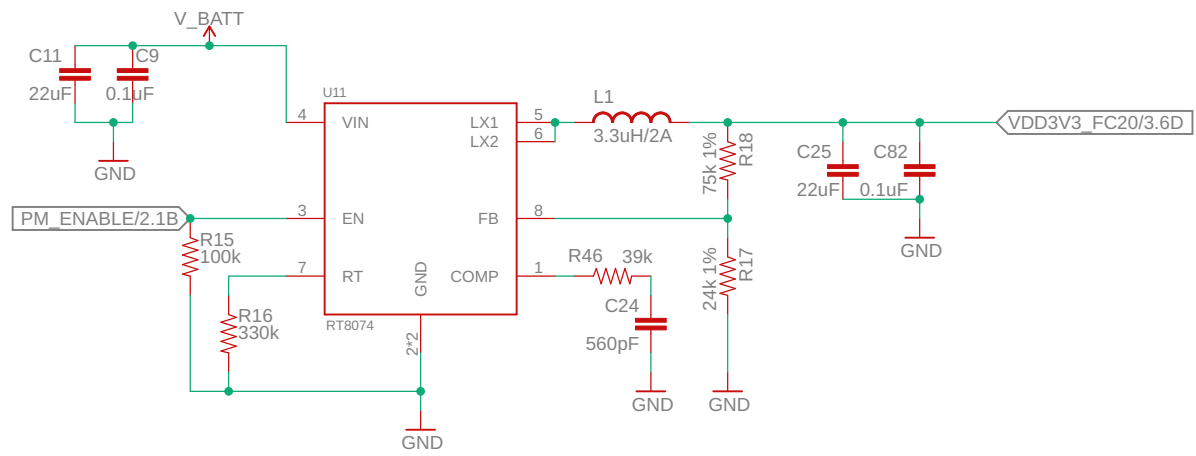
## Battery Charger



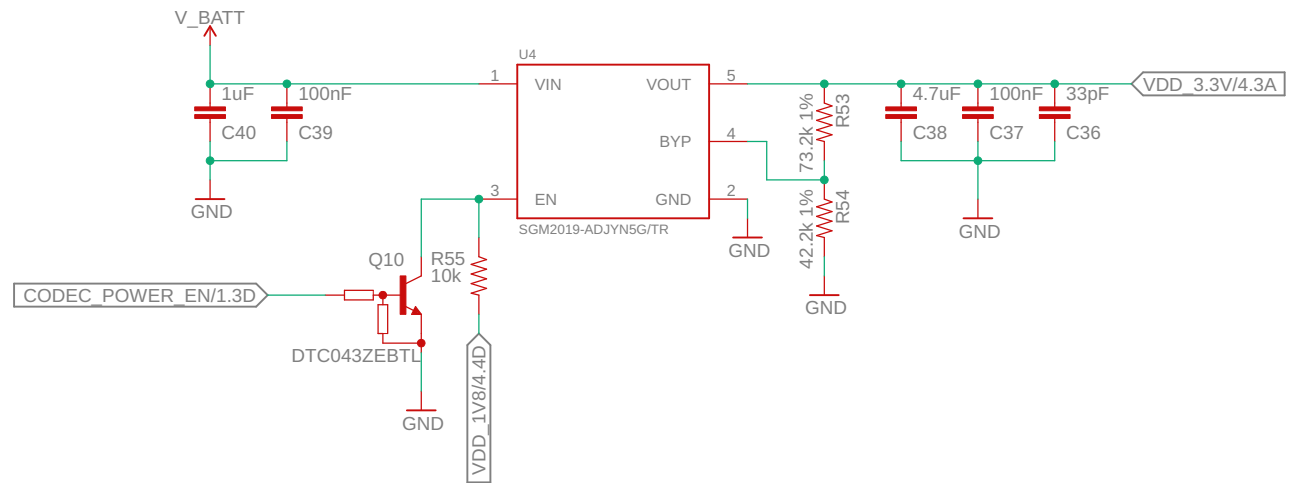
## VBAT Design



## Power Supply for FC20



## Power Supply for PCM Codec



## Indicators

