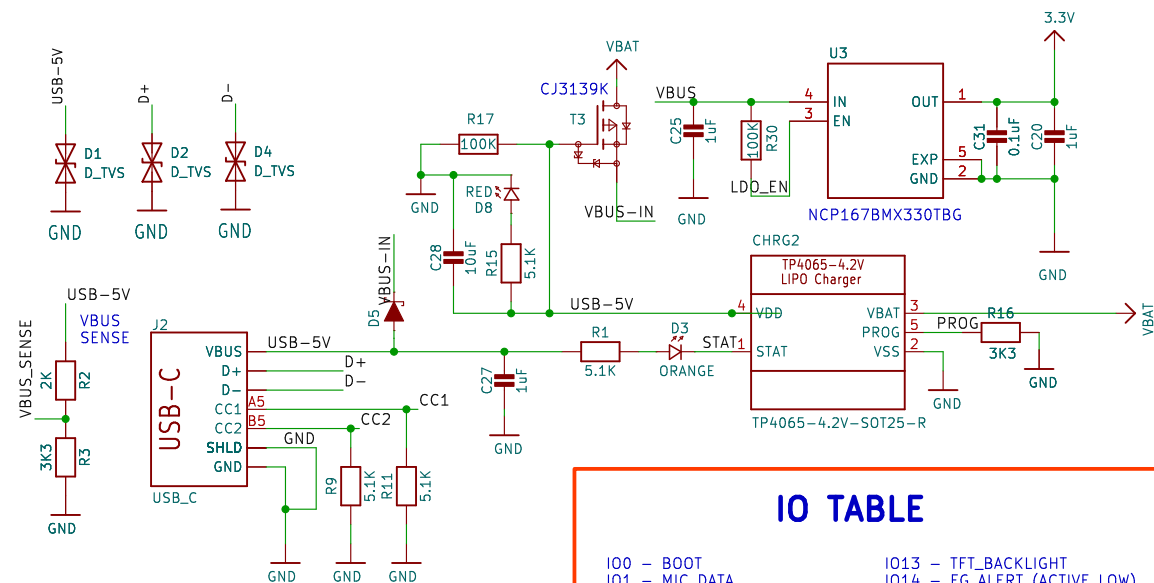
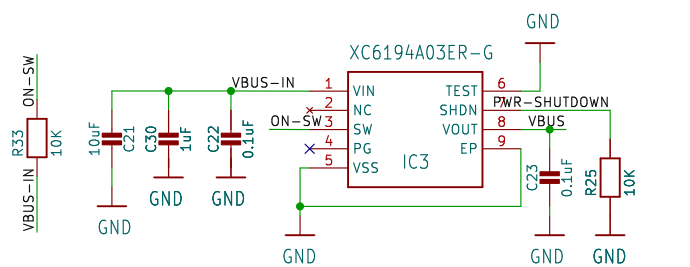
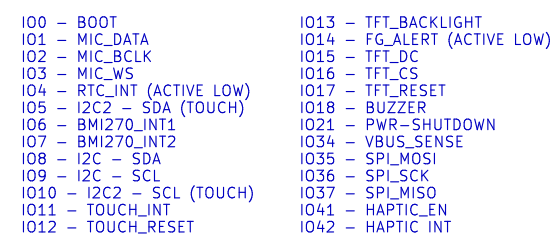


## USB, POWER PATHS, CHARGING AND FILTERING



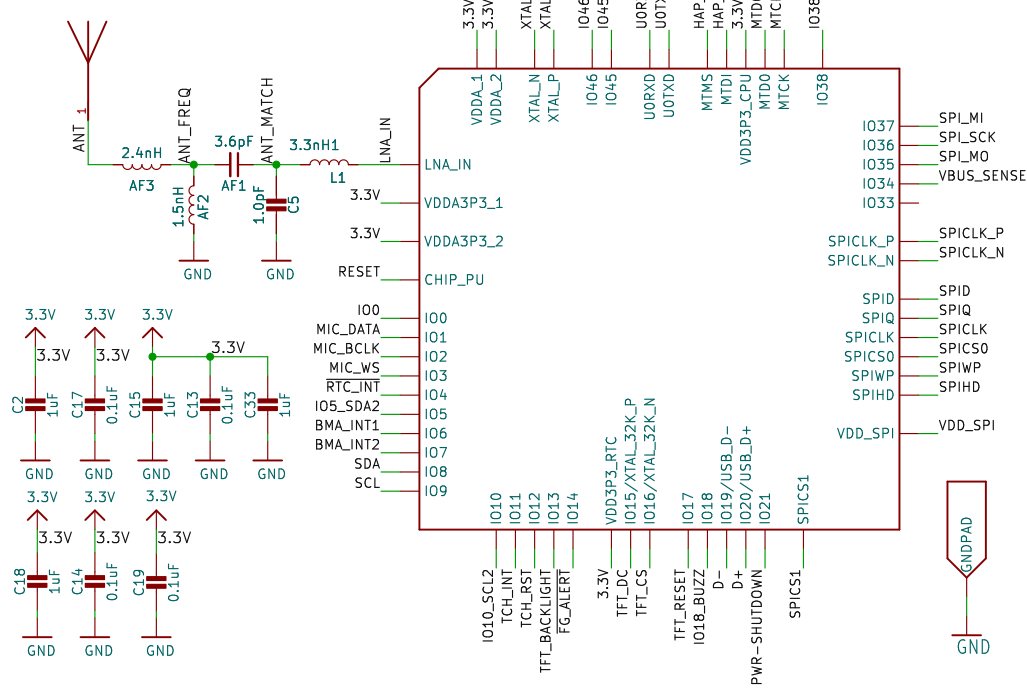
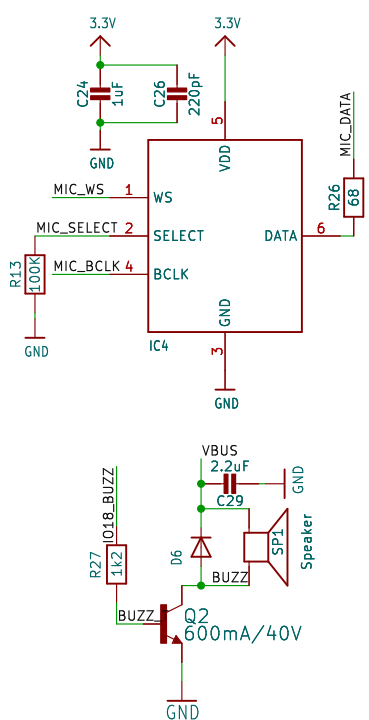
## 10 TABLE



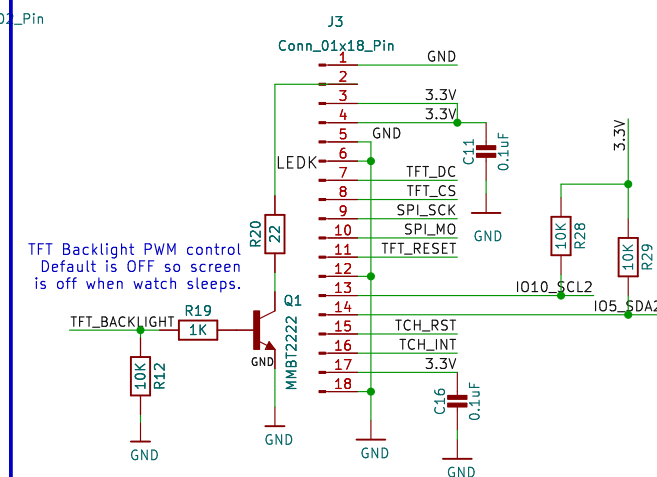
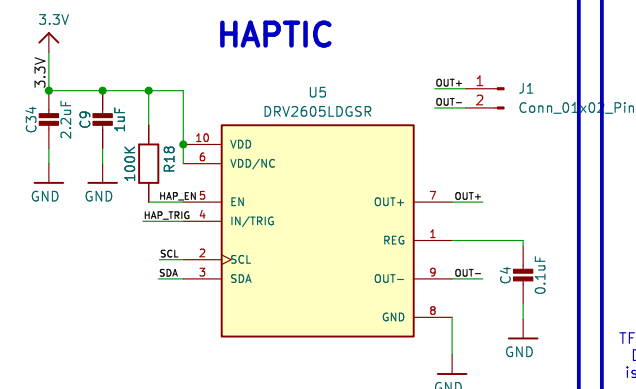
The diagram shows the connection of the RV-3028-C7-32.768KHZ RTC module (U1) to the system. The module's pins are connected as follows:

- VDD (Pin 7):** Connected to the 3.3V supply.
- VBACKUP (Pin 6):** Connected to the 3.3V supply.
- CLKOUT (Pin 1):** Connected to the 3.3V supply through a 100K resistor (R7).
- INT (Pin 2):** Connected to the RTC\_INT pin of the microcontroller through a 100K resistor (R8).
- VSS (Pin 5):** Connected to GND.
- SDA (Pin 4):** Connected to the SDA pin of the microcontroller through a 10K pull-up resistor (R6) to the 3.3V supply.
- SCL (Pin 3):** Connected to the SCL pin of the microcontroller through a 10K pull-up resistor (R5) to the 3.3V supply.
- EVI (Pin 8):** Connected to the RTC\_EVI pin of the microcontroller through a 10K pull-up resistor (R4) to the 3.3V supply.

ESP32-S3-PIC0-1-N8R2



## SCREEN + TOUCH



## POWER

