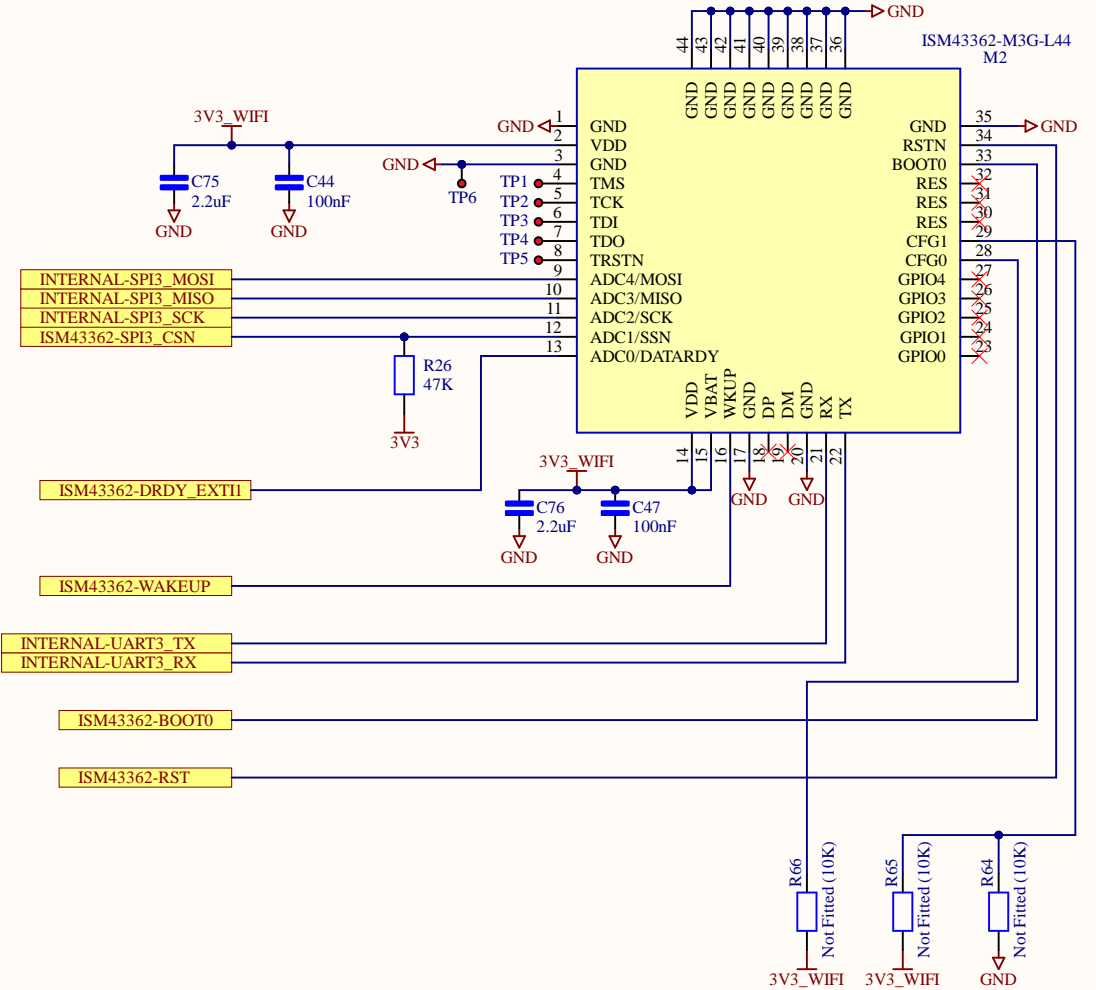
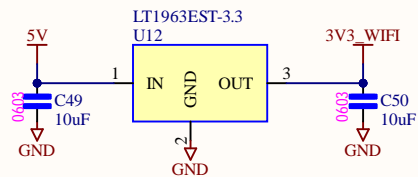
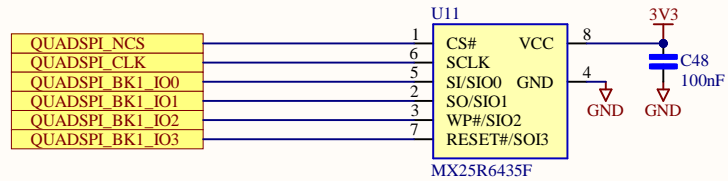
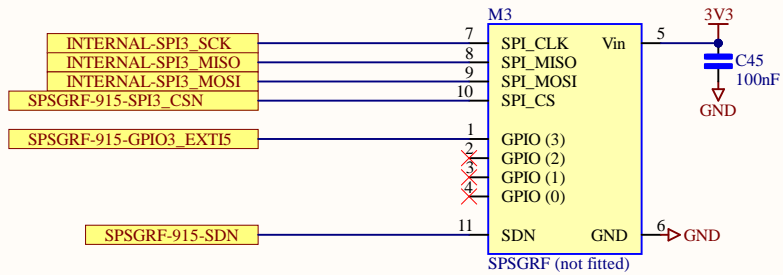
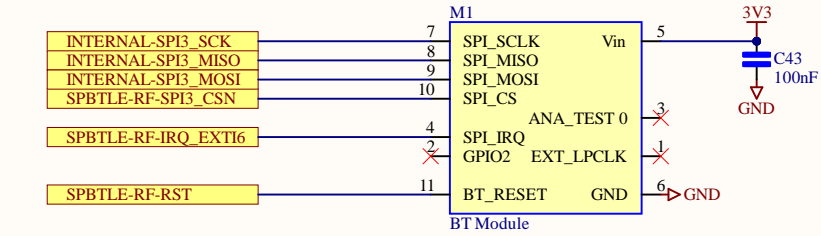
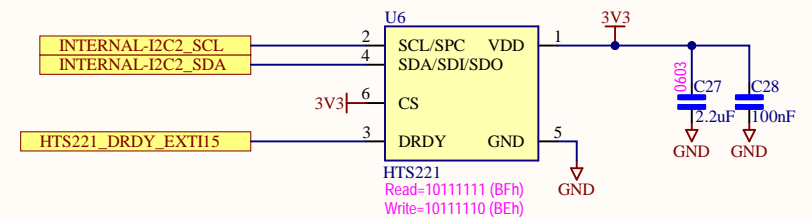
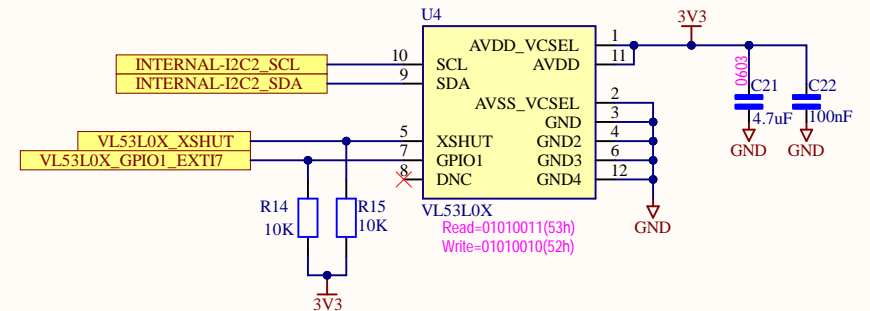
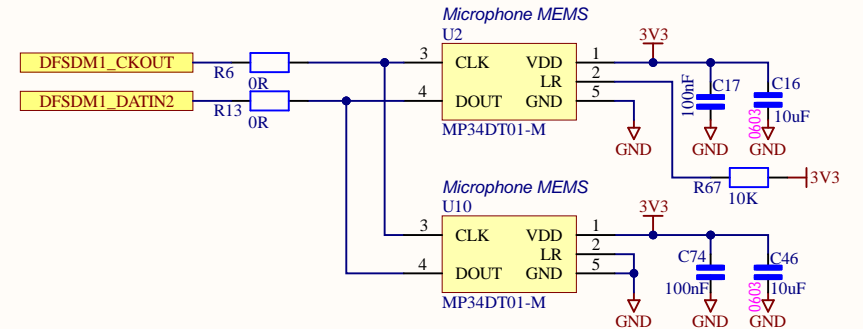
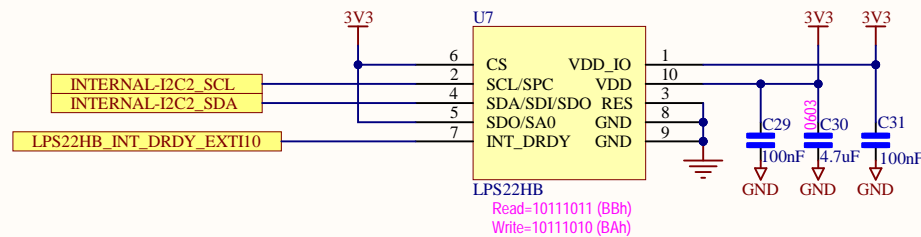
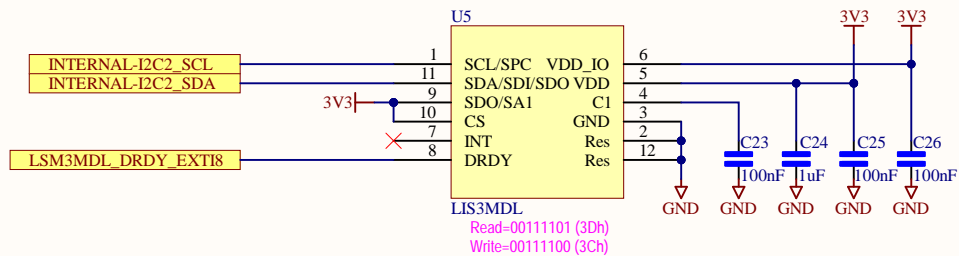
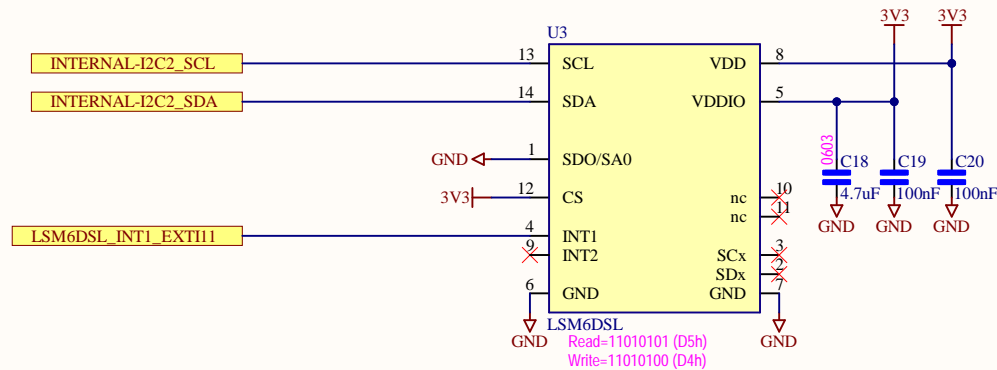
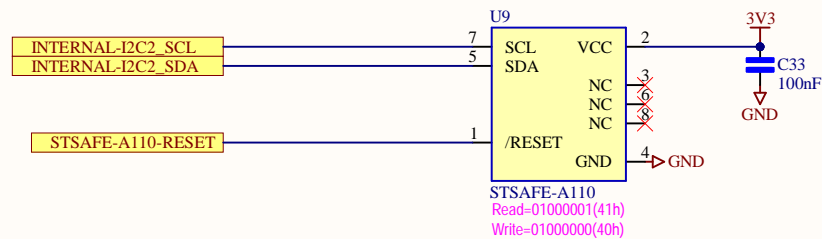
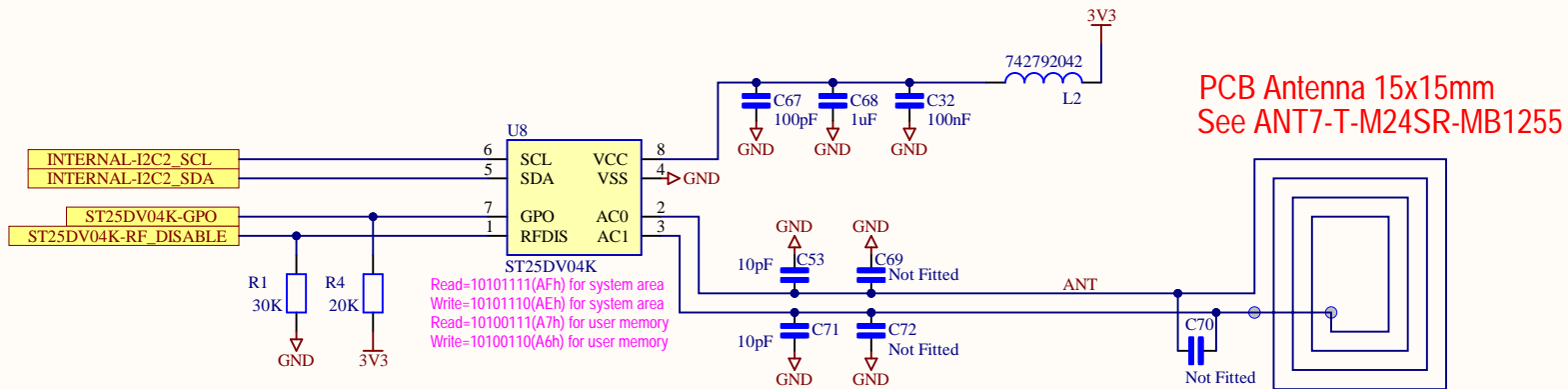
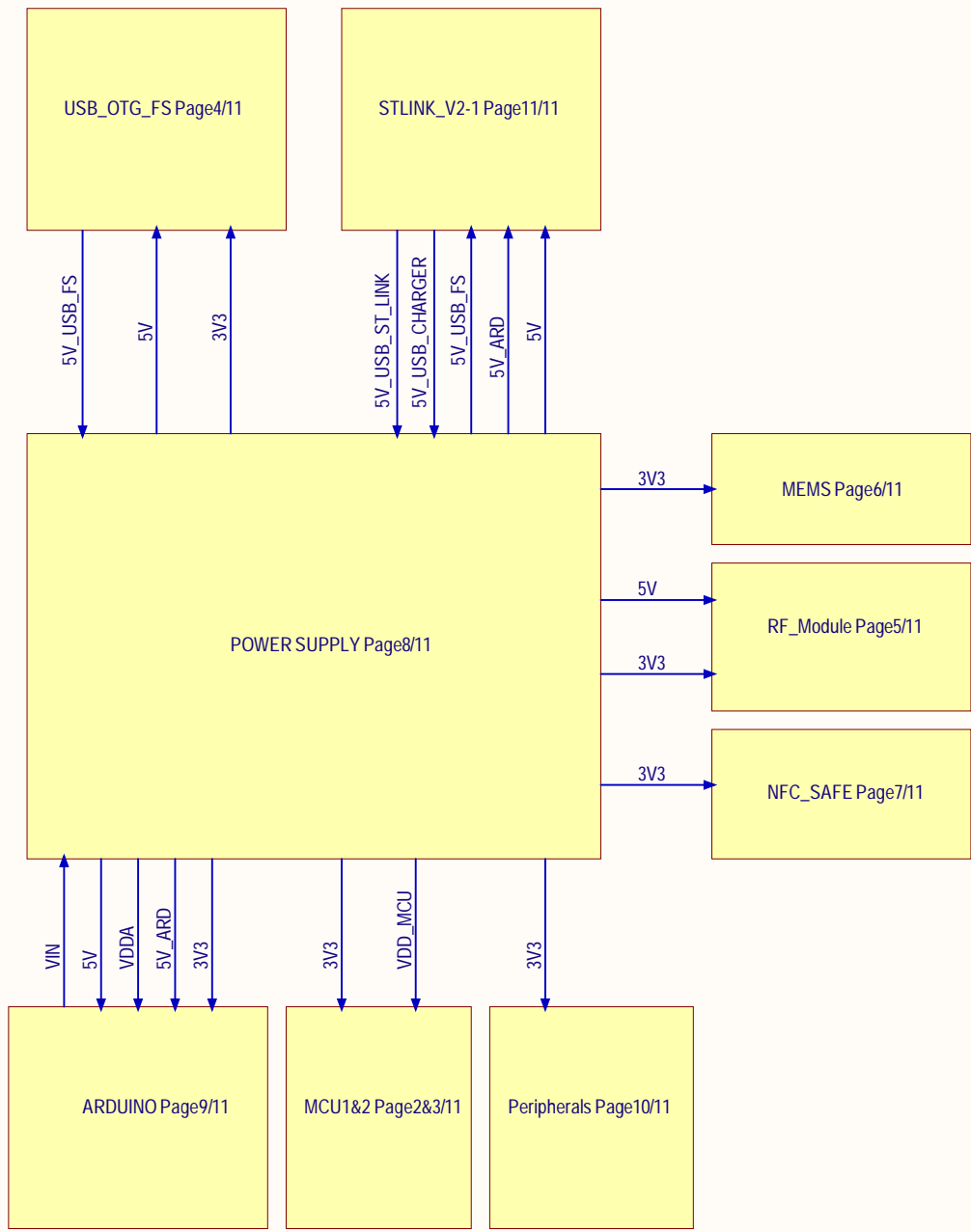


ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

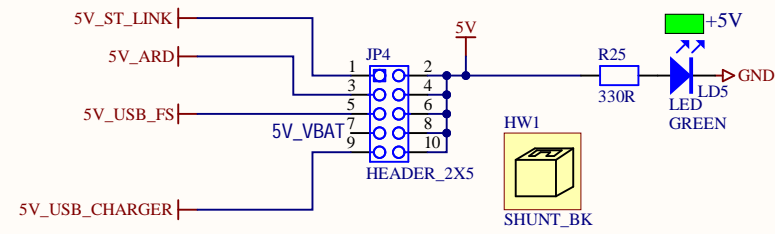




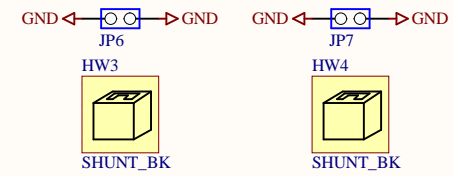




5V PWR SELECTION FROM EXTERNAL SOURCES

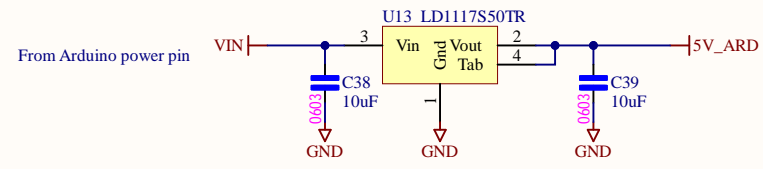


GND PROBE



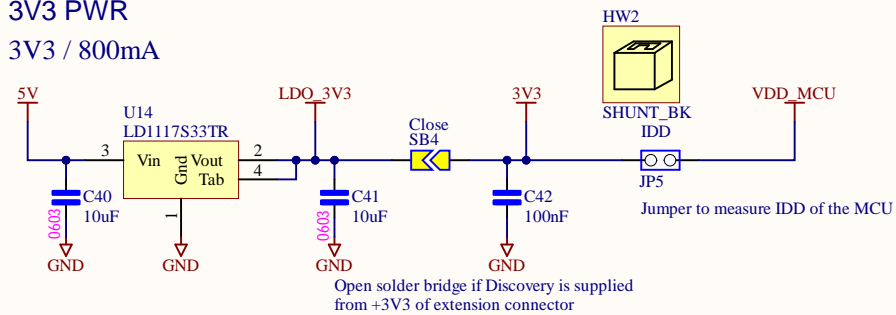
5V INPUT PWR FROM ARDUINO

5V / 800mA



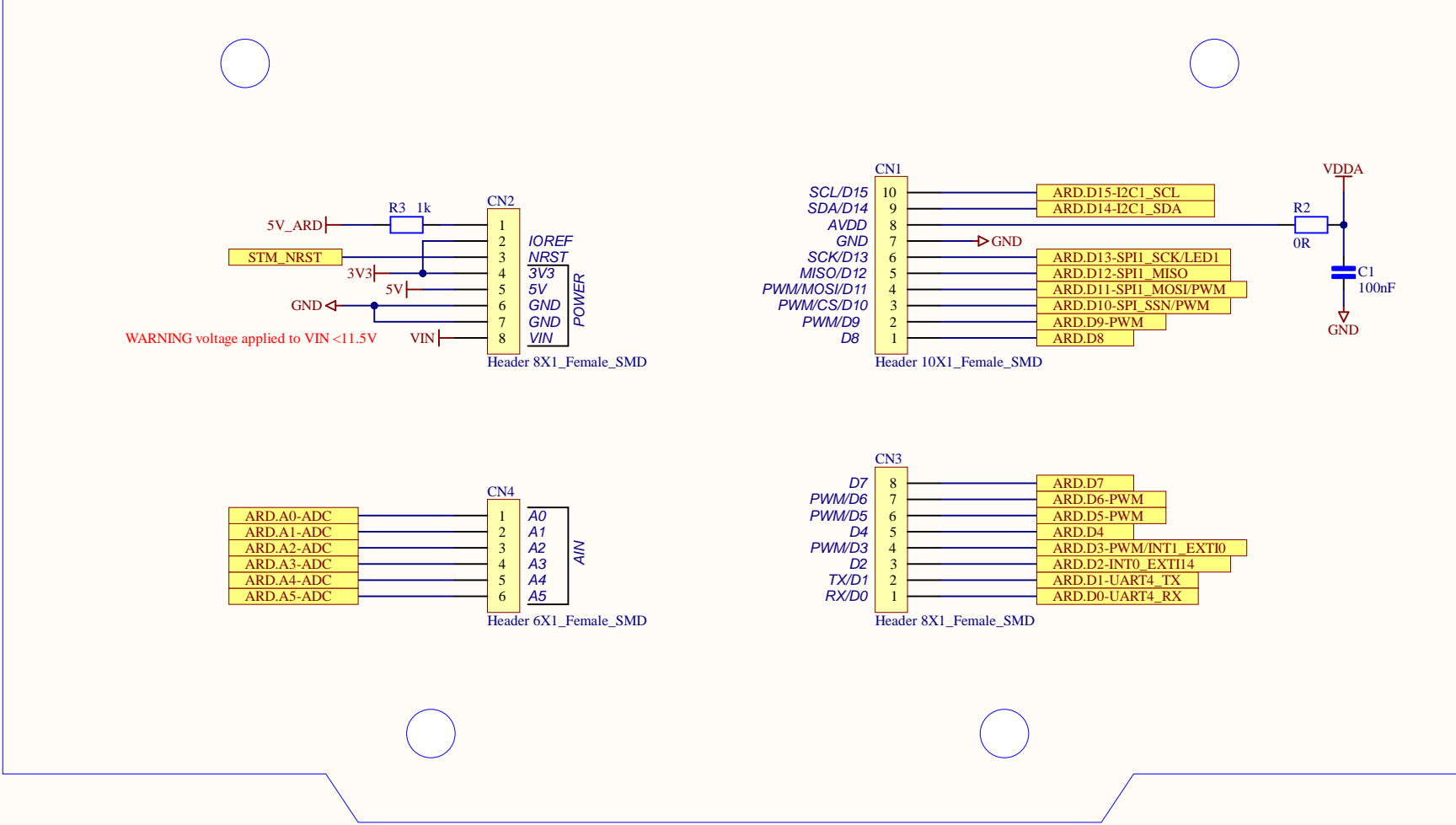
3V3 PWR

3V3 / 800mA

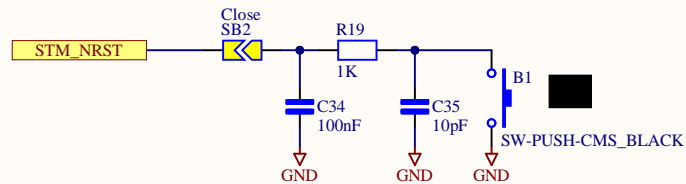




ARDUINO UNO connector

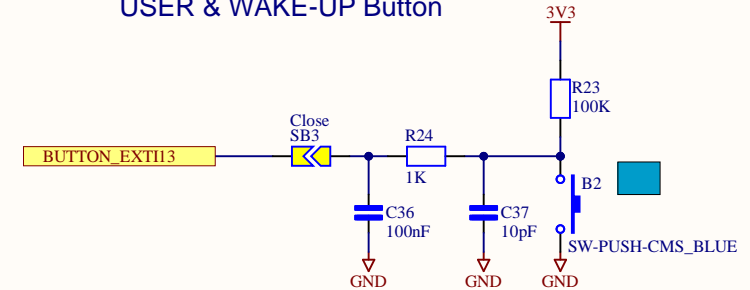


## RESET BUTTON



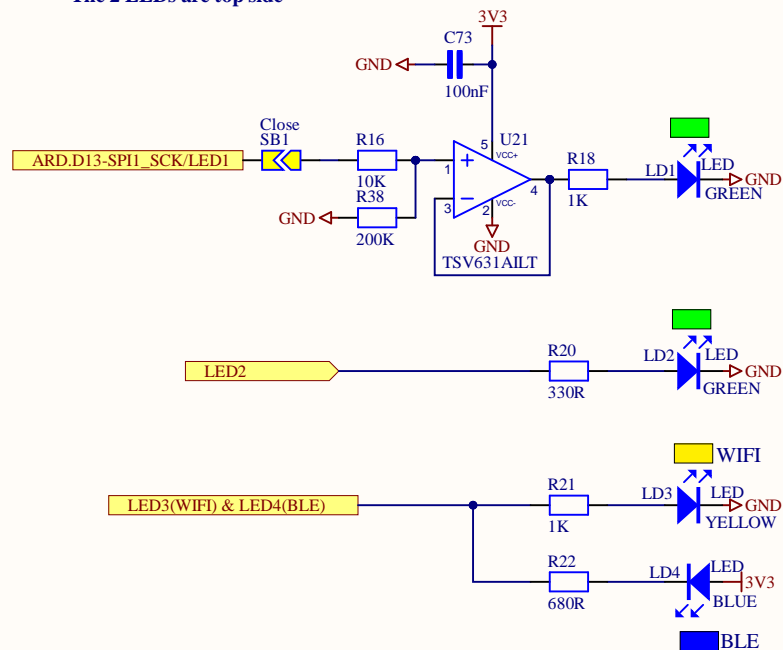
100nF should be place close to the MCU  
10pF and 1K should be place close to the button

## USER & WAKE-UP Button

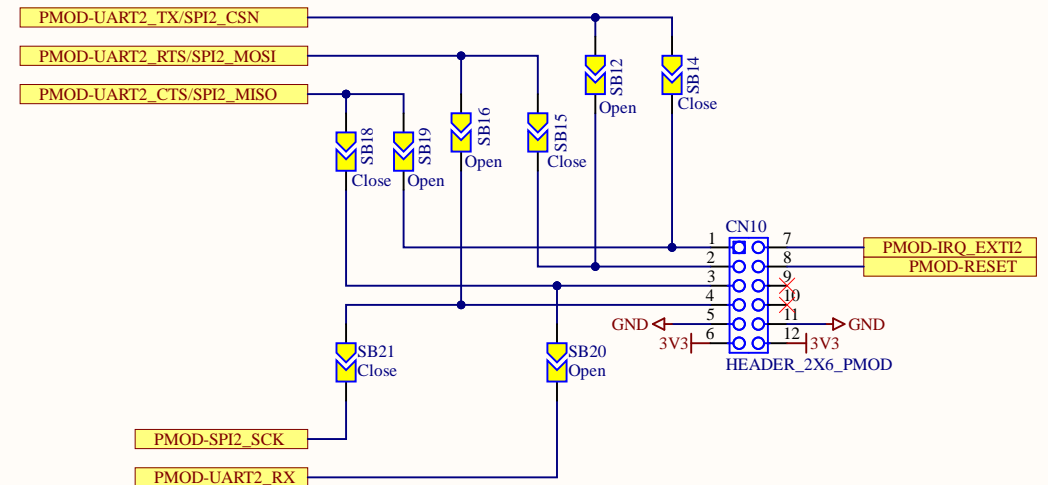


100nF should be place close to the MCU  
10pF and 1K should be place close to the button

**USER LED**  
The 2 LEDs are top side

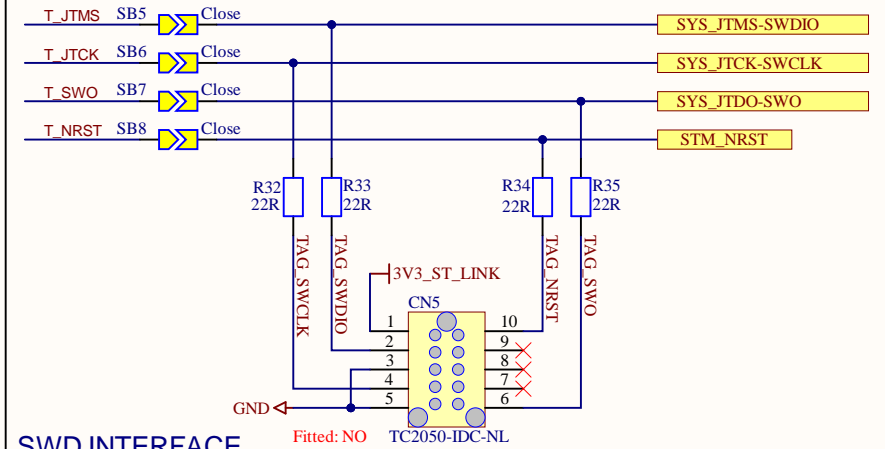
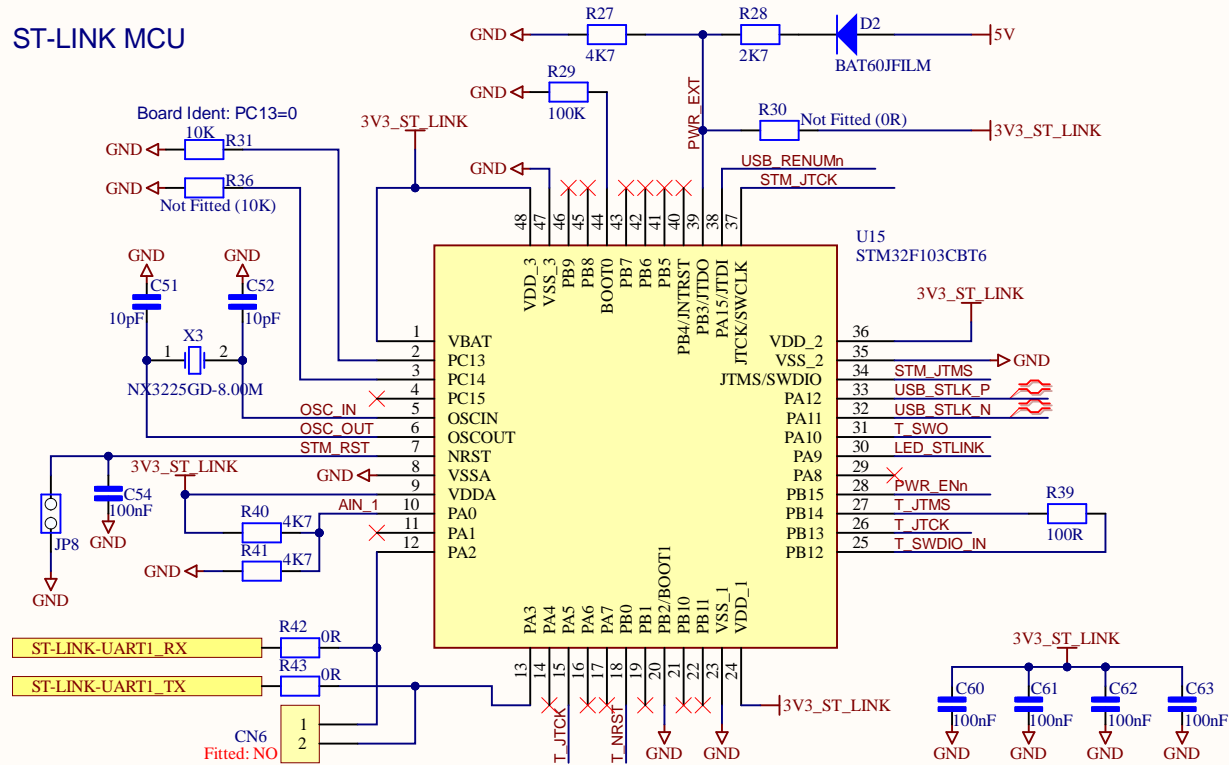


## PMOD



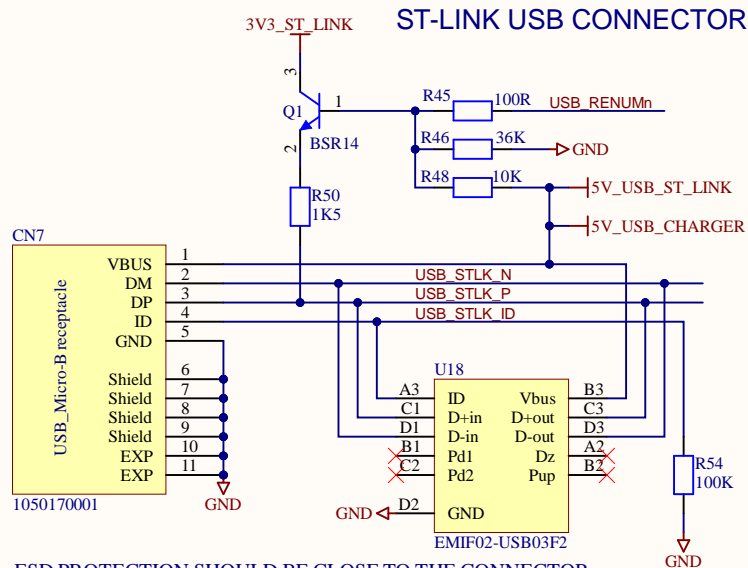
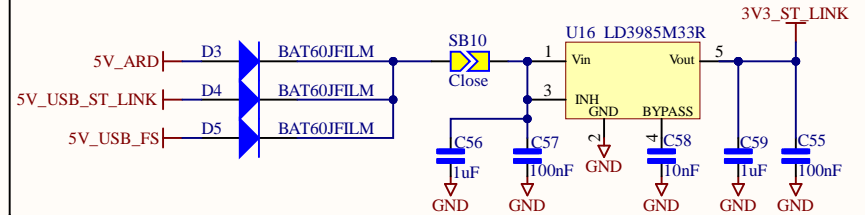
Title: <b>Peripherals</b>		
Project:		
Size: <b>A4</b>	Reference: <b>MB1297</b>	Revision: <b>E-02</b>
Date: <b>26-Mar-20</b>		Sheet: <b>10</b> of <b>11</b>

## ST-LINK MCU

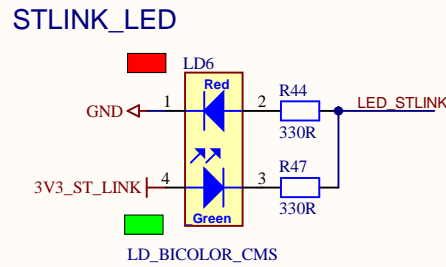


## SWD INTERFACE

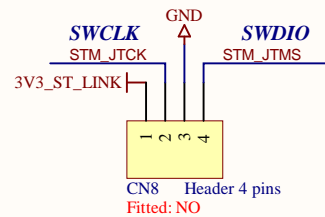
## ST-LINK POWER 3V3 / 150mA



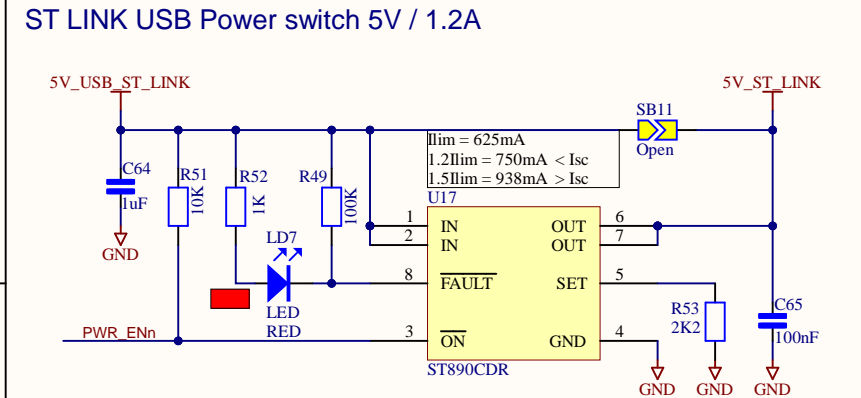
### ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR



## ST-LINK DEBUG



Must be on a border or the PCB.



Title: <b>ST-LINK/V2-1 with support of SWD only</b>		
Project:		
Size: <b>A4</b>	Reference: <b>MB1297</b>	Revision: <b>E-02</b>
Date: <b>26-Mar-20</b>		Sheet: <b>11 of 11</b>