

# IoT Node Discovery Kit

MB1297

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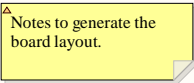
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## Legend

General comment such as function title, configuration, ...

Text to be added to silkscreen.

Warning text.



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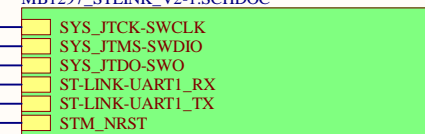
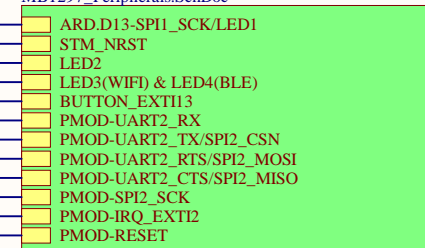
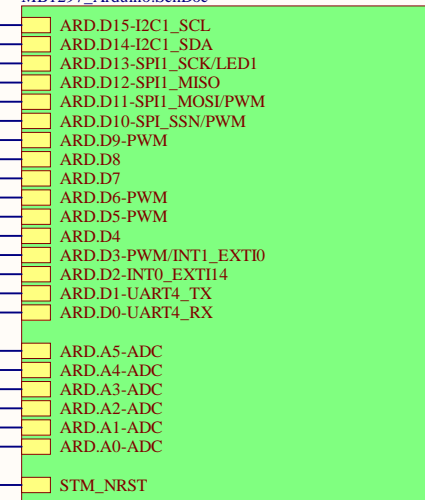
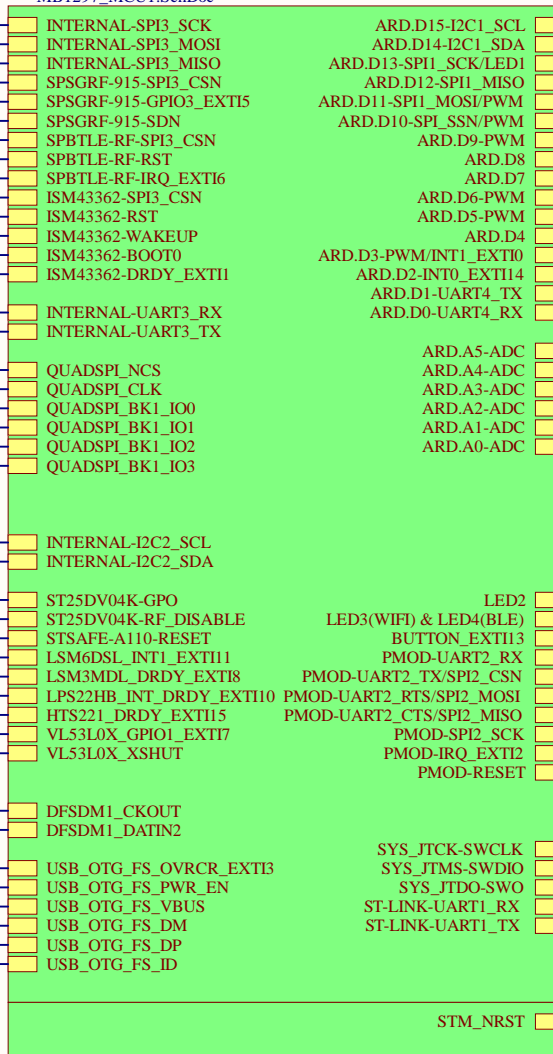
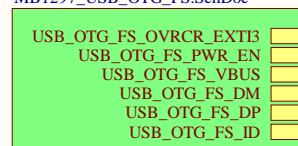
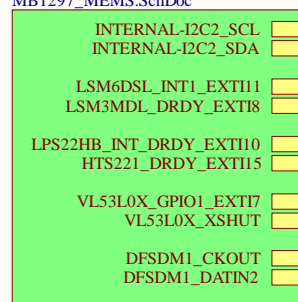
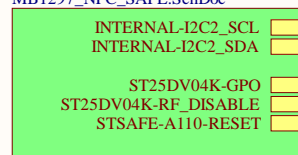
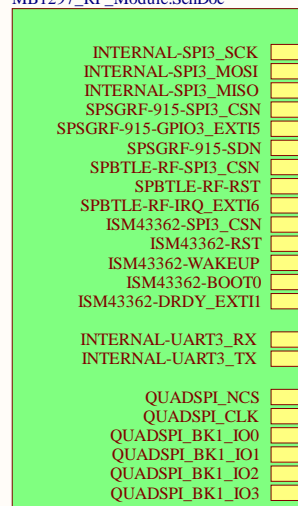
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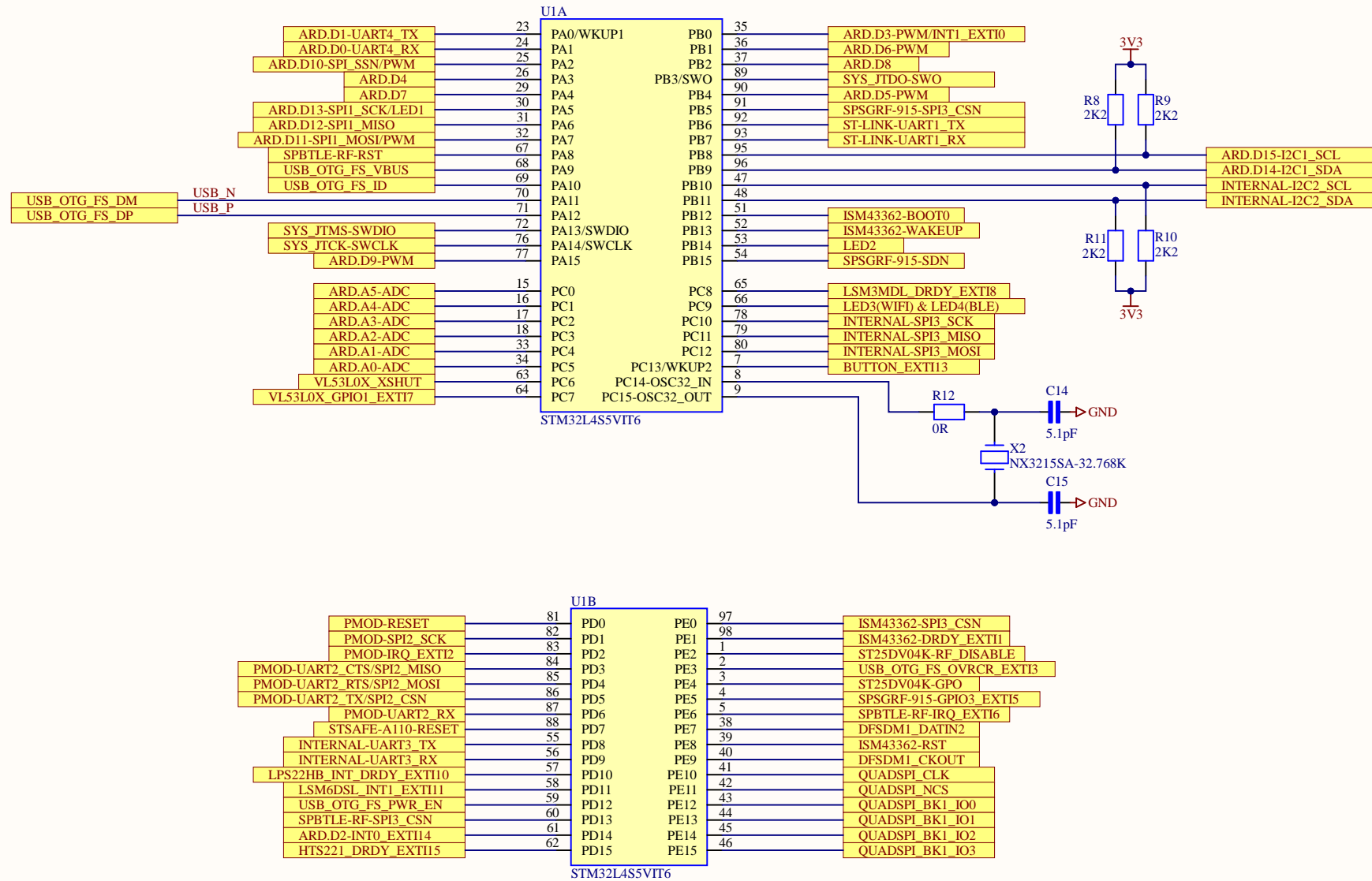
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Top.SchDoc

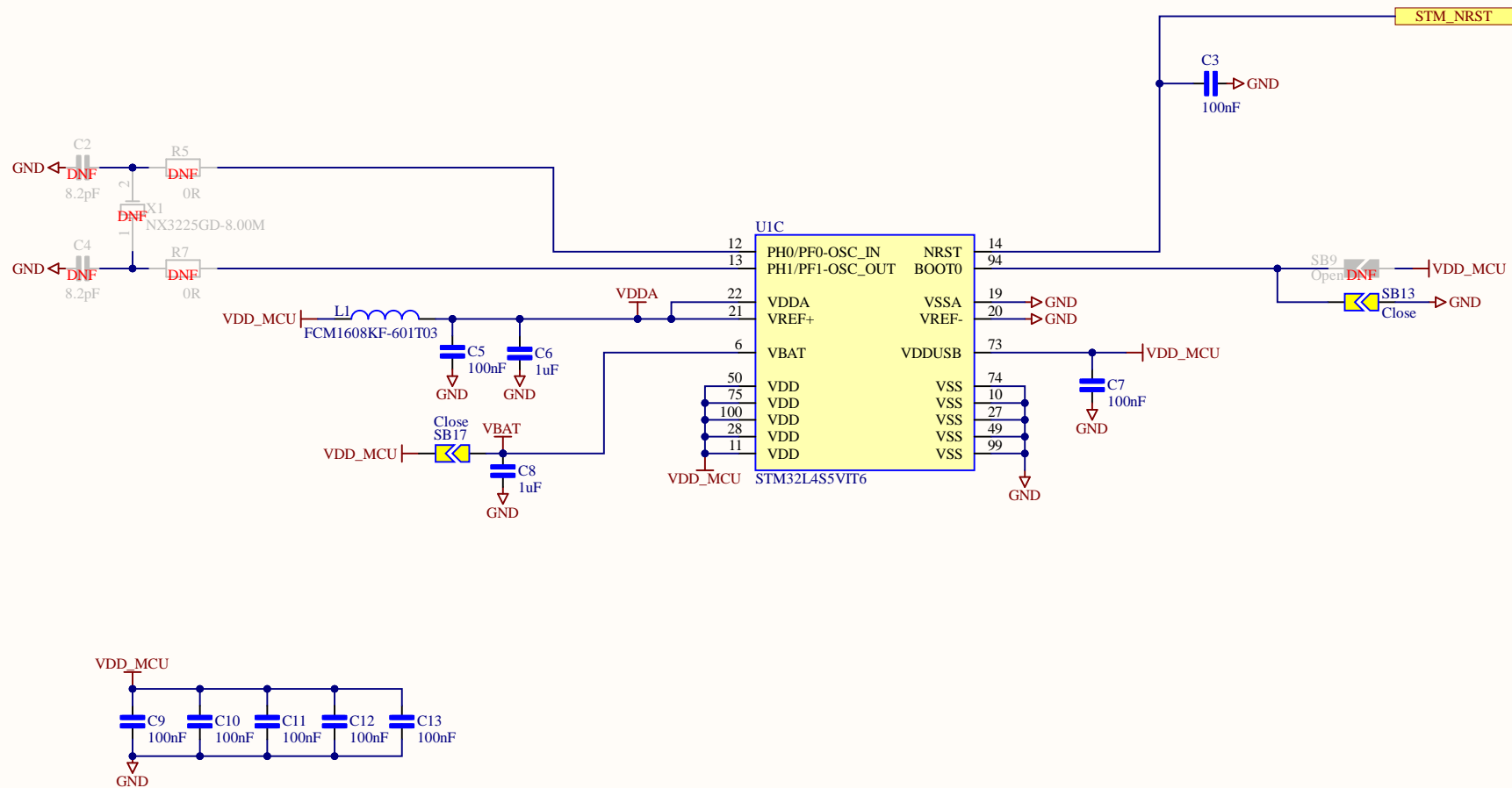


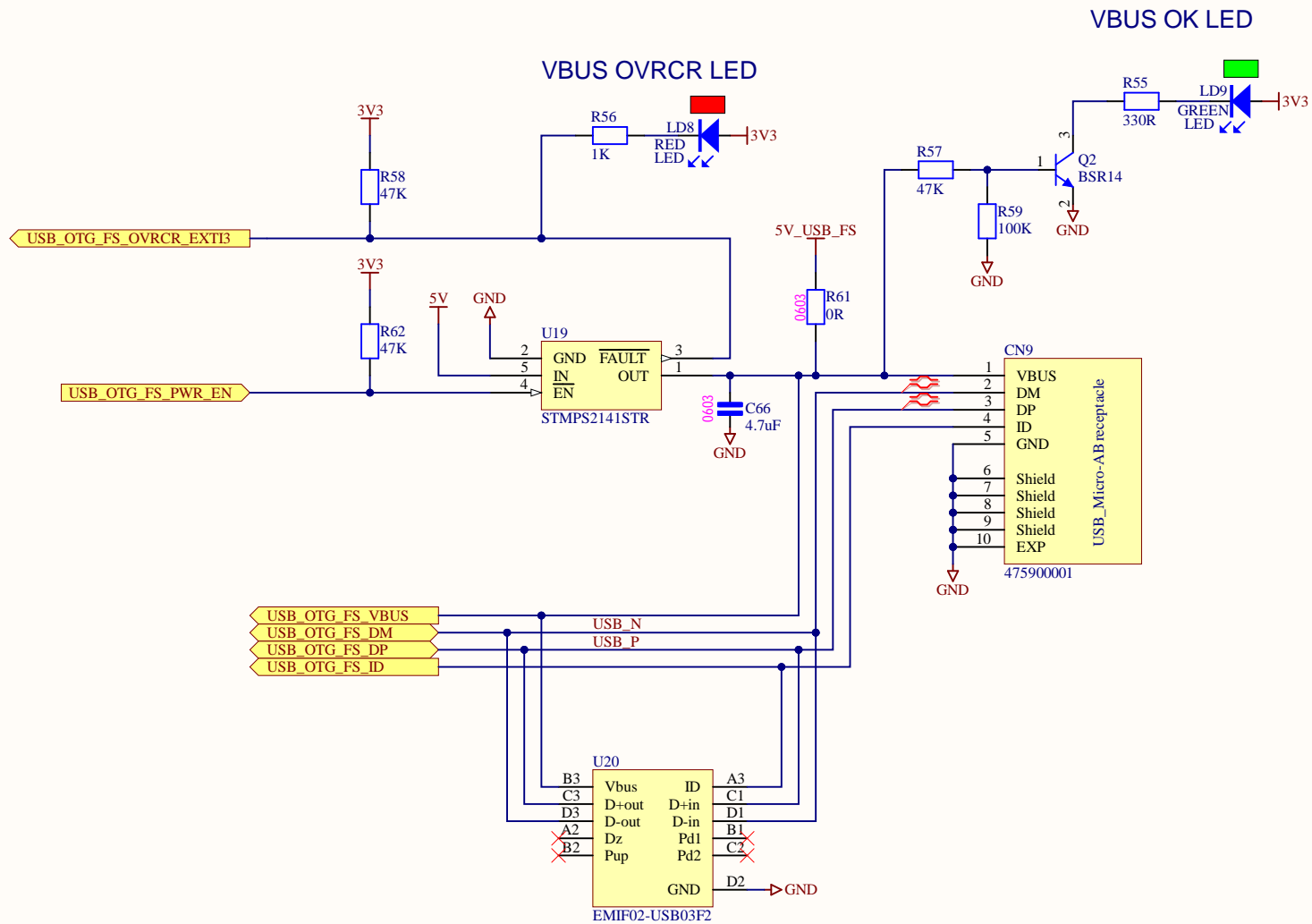
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Variant: <b>L4S5VI</b>		
Revision: <b>E-03</b>		Reference: <b>MB1297</b>
Size: <b>A4</b>	Date: <b>05-FEB-21</b>	Sheet: <b>1</b> of <b>12</b>



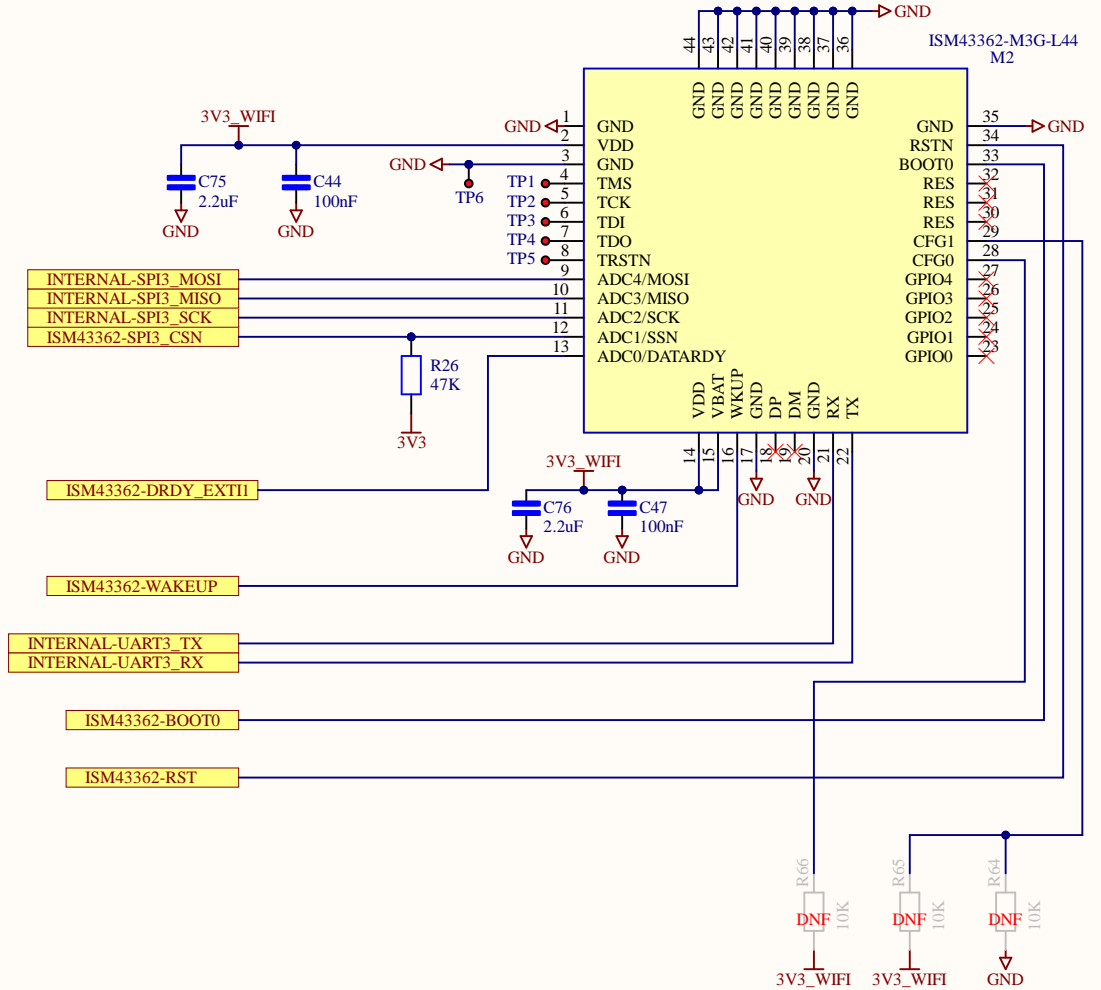
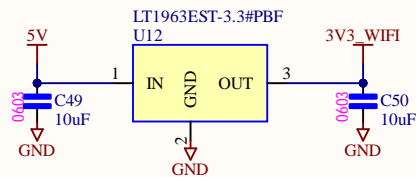
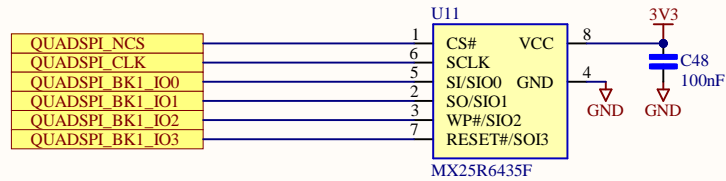
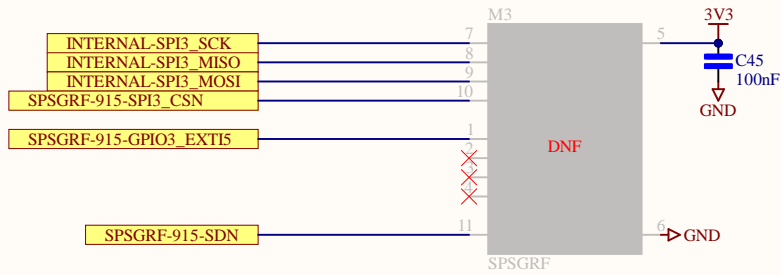
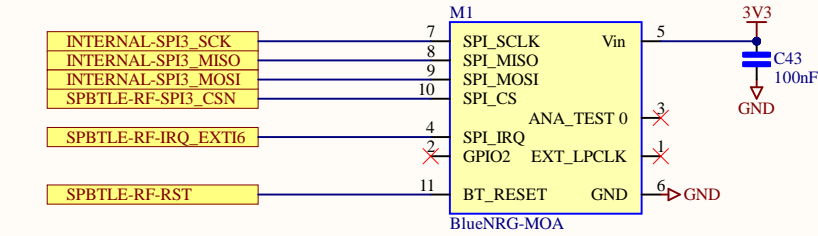


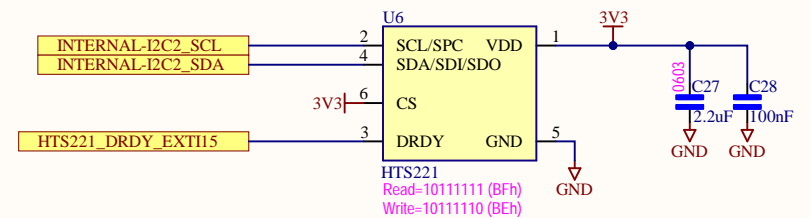
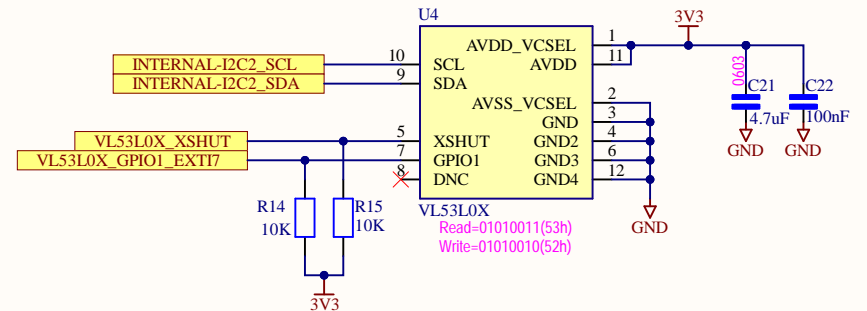
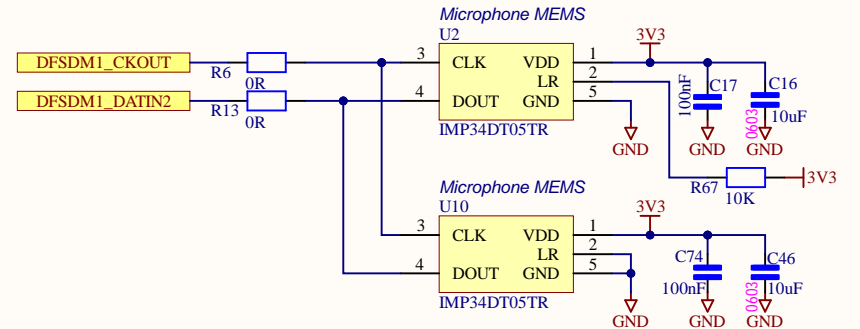
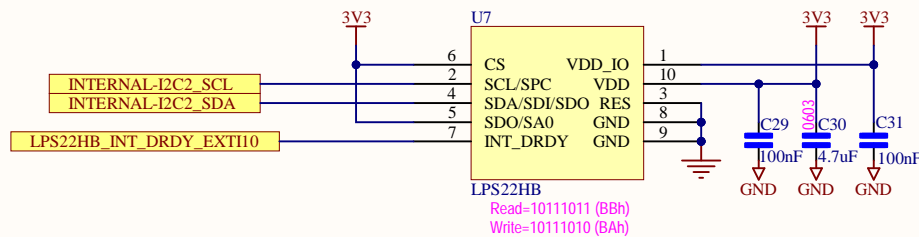
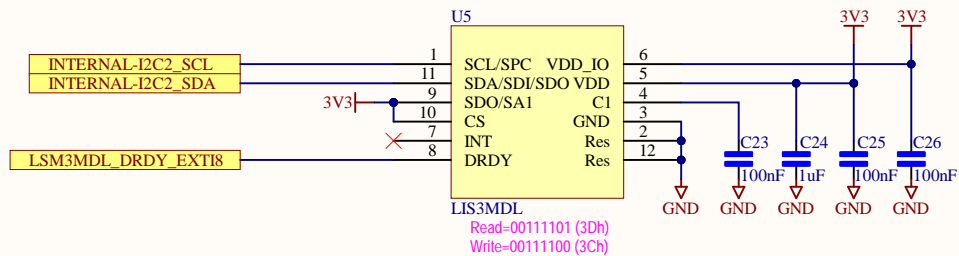
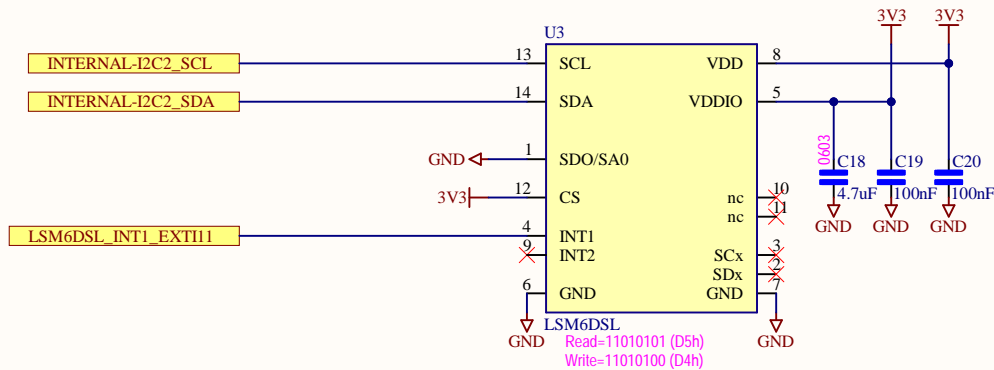


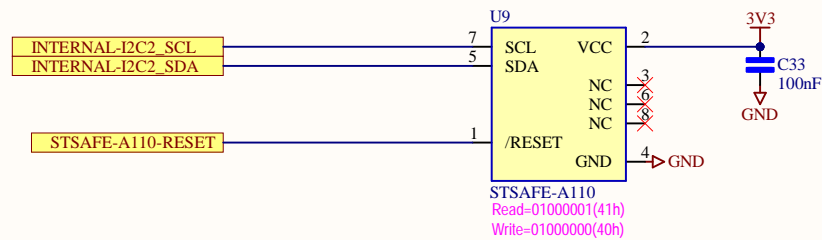
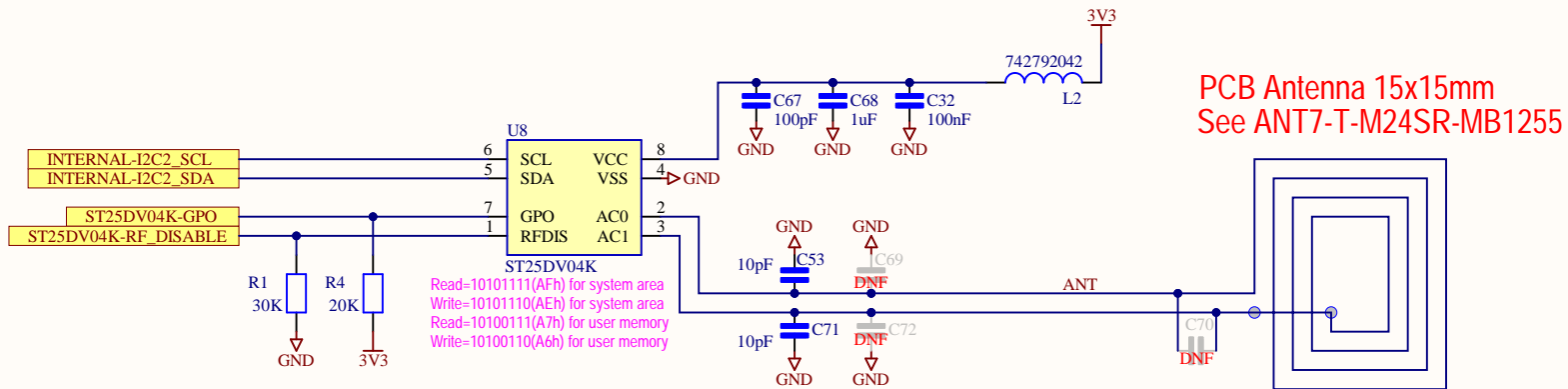




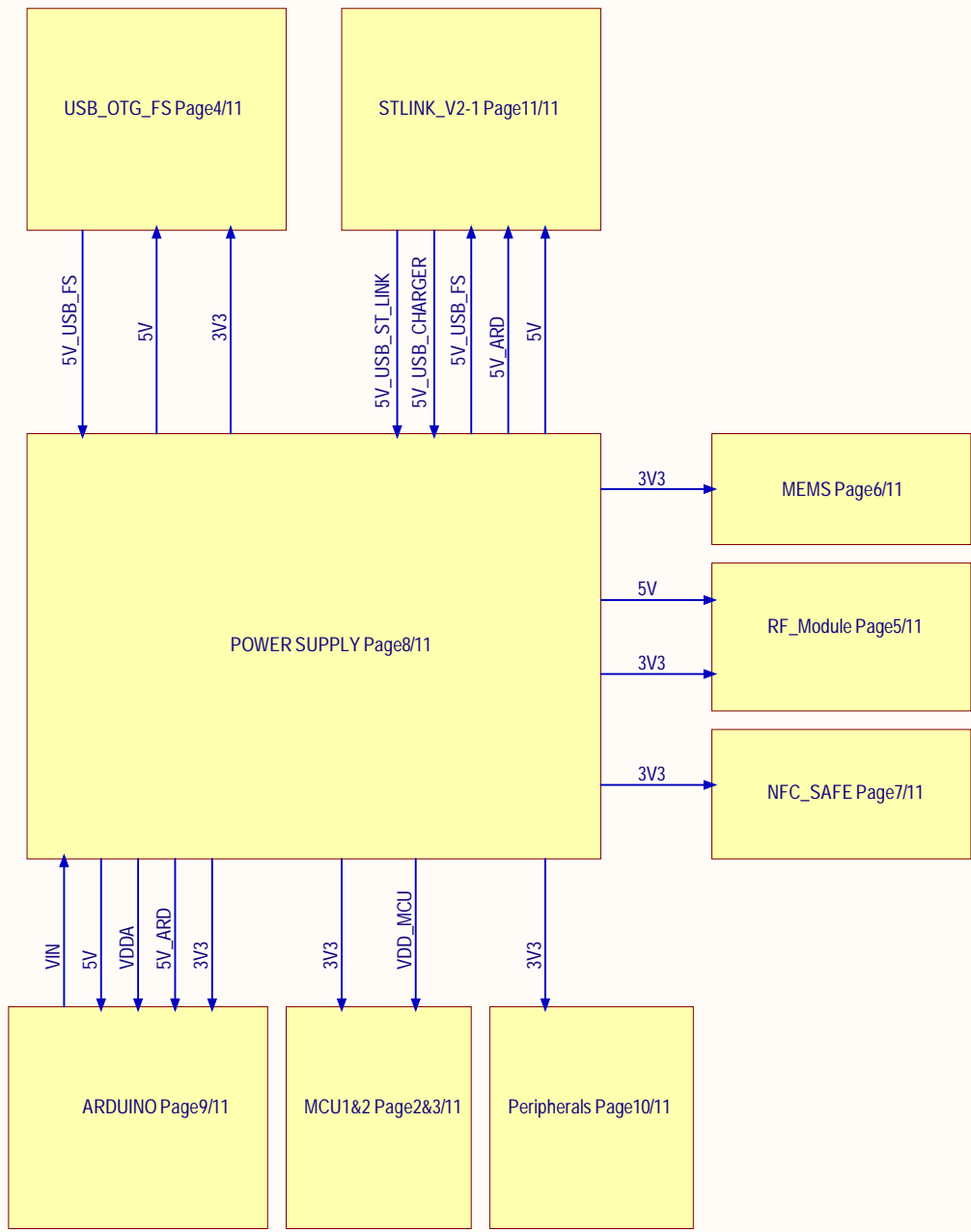
ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR



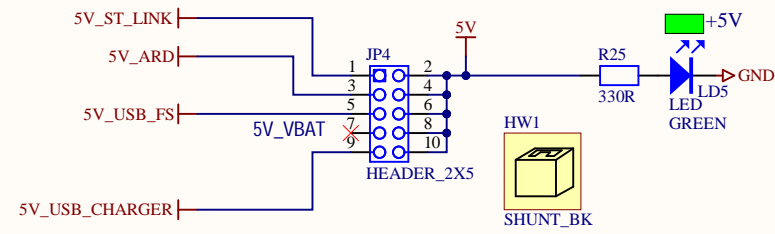




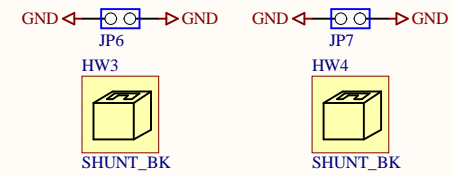




5V PWR SELECTION FROM EXTERNAL SOURCES

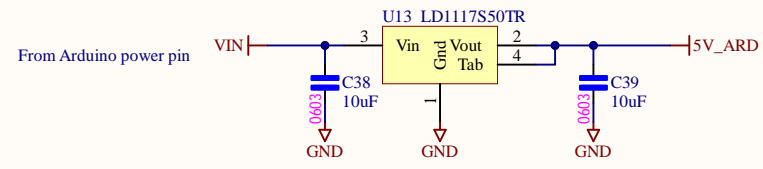


GND PROBE



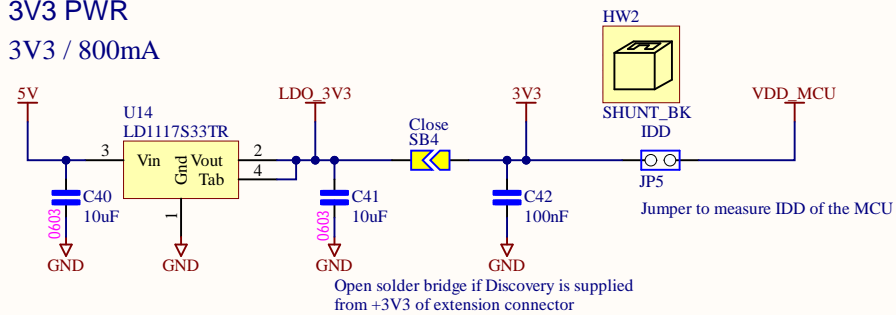
5V INPUT PWR FROM ARDUINO

5V / 800mA

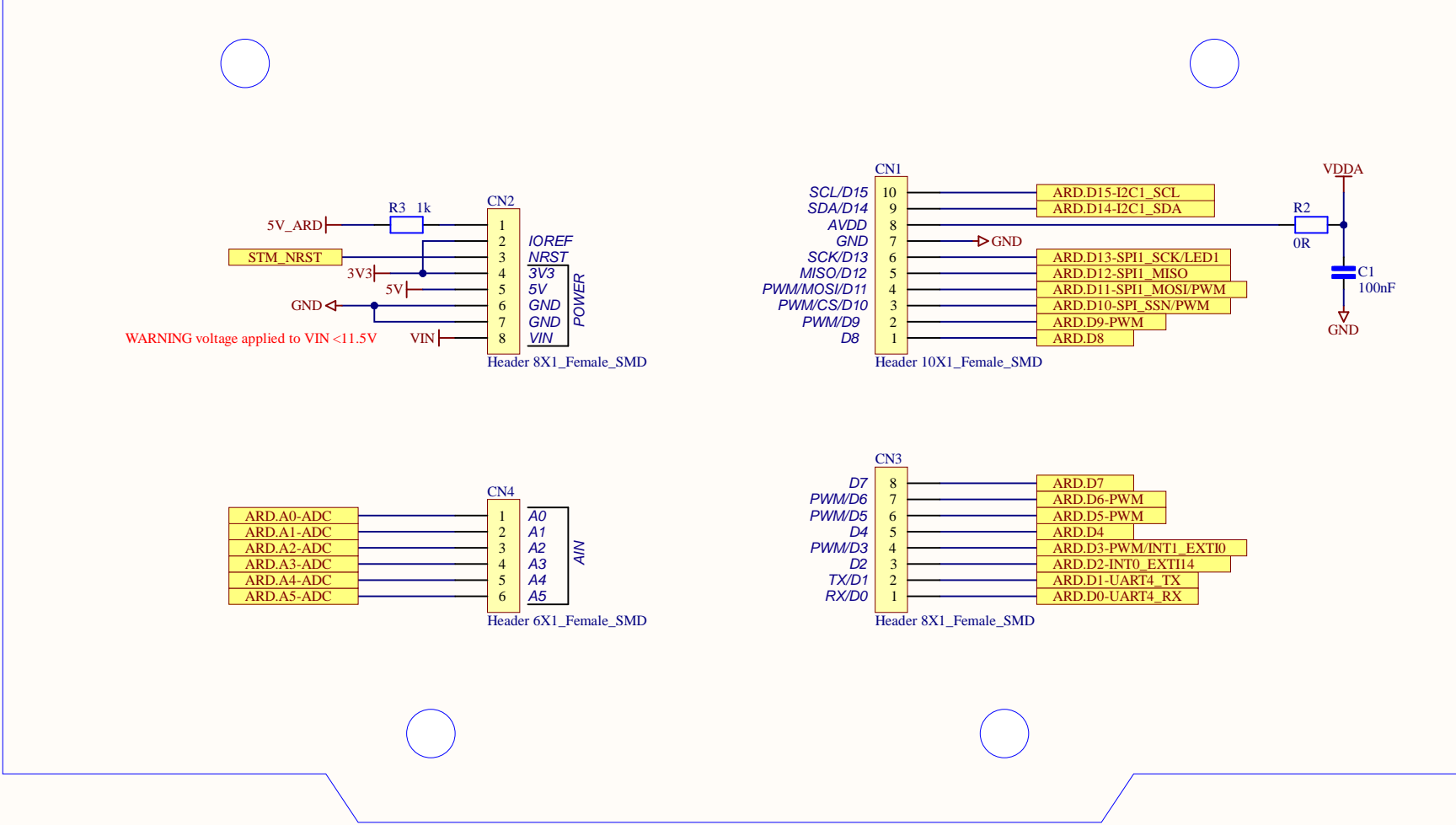


3V3 PWR

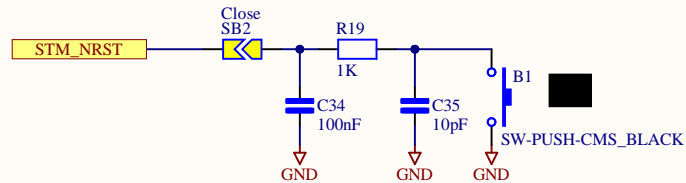
3V3 / 800mA



ARDUINO UNO connector

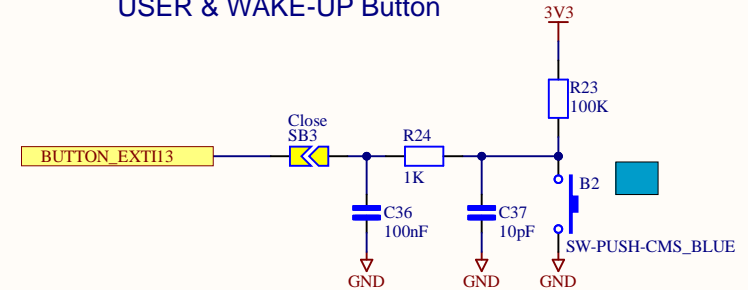


## RESET BUTTON



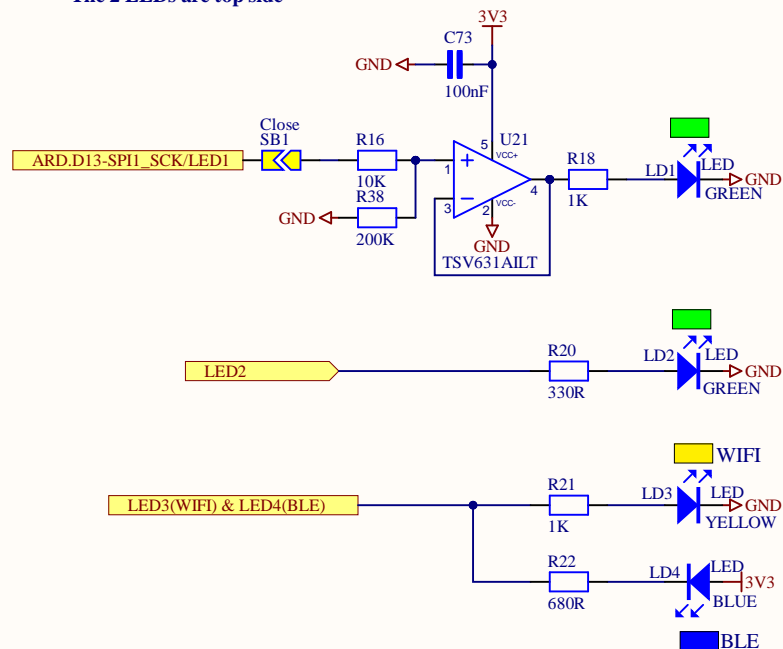
100nF should be place close to the MCU  
10pF and 1K should be place close to the button

## USER & WAKE-UP Button

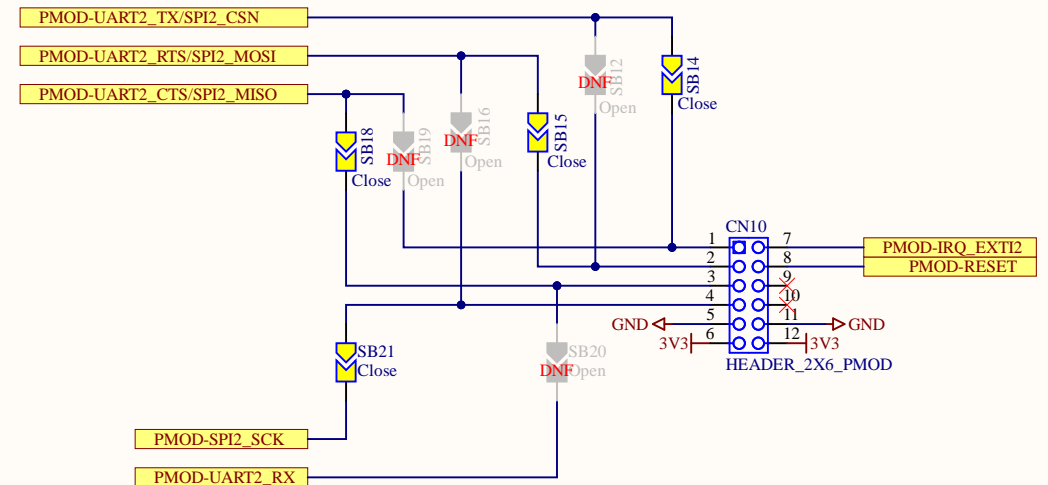


100nF should be place close to the MCU  
10pF and 1K should be place close to the button

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



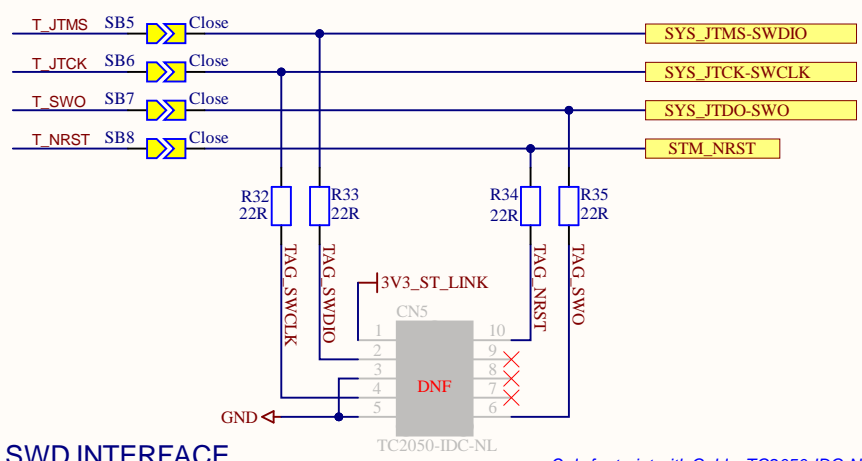
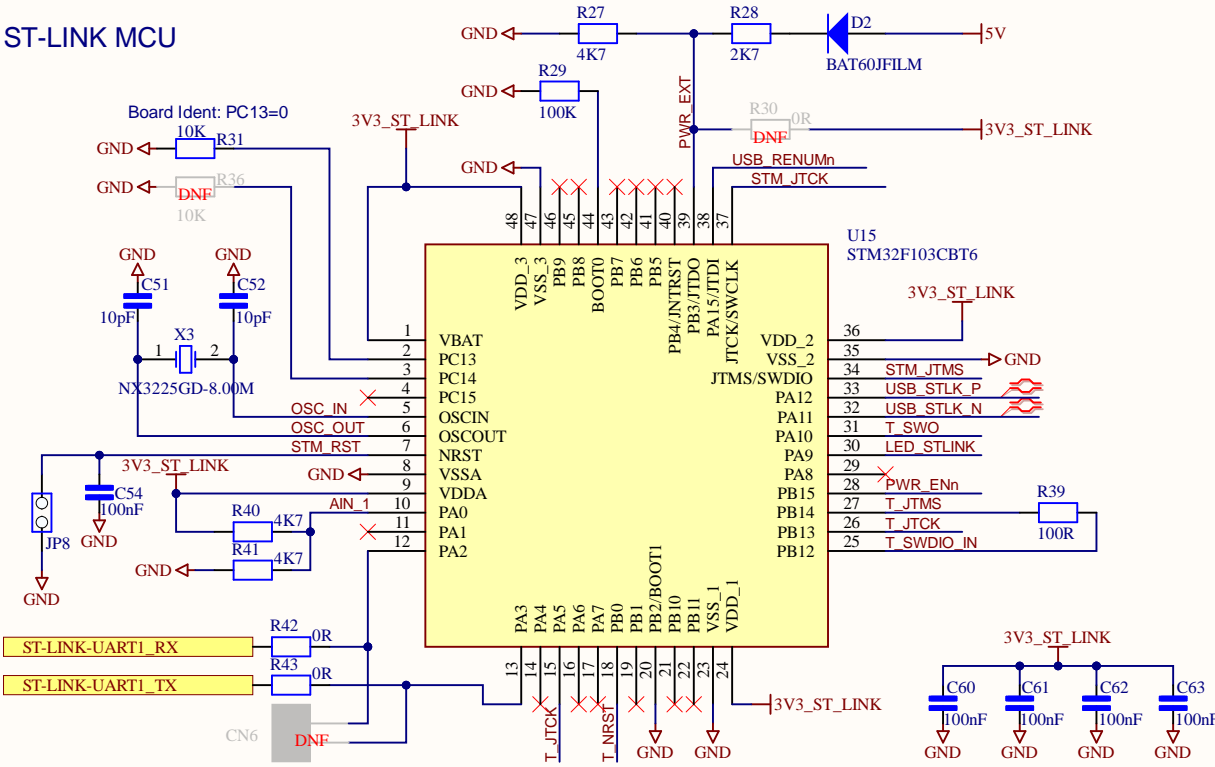
PMOD



Title: <b>Peripherals</b>		
Project: <b>IoT Node Discovery Kit</b>		
Variant: <b>L4\$5V1</b>		
Revision: <b>E-03</b>		Reference: <b>MB1297</b>
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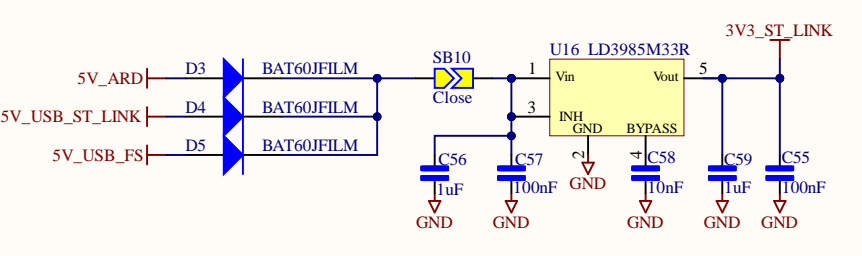


ST-LINK MCU

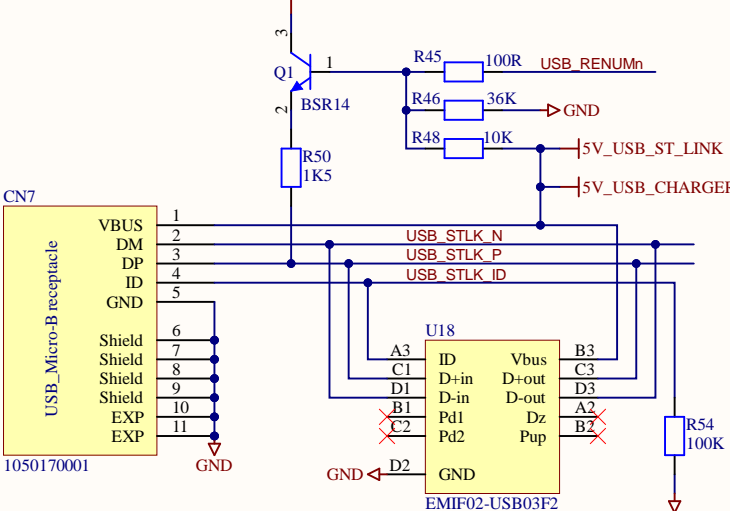


SWD INTERFACE

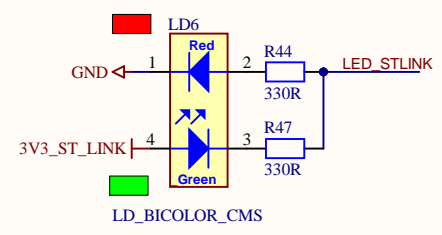
ST-LINK POWER 3V3 / 150mA



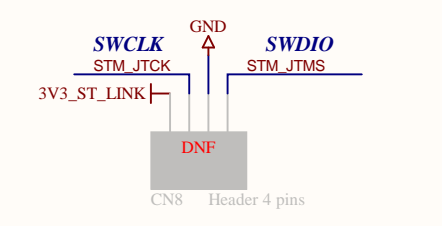
ST-LINK USB CONNECTOR



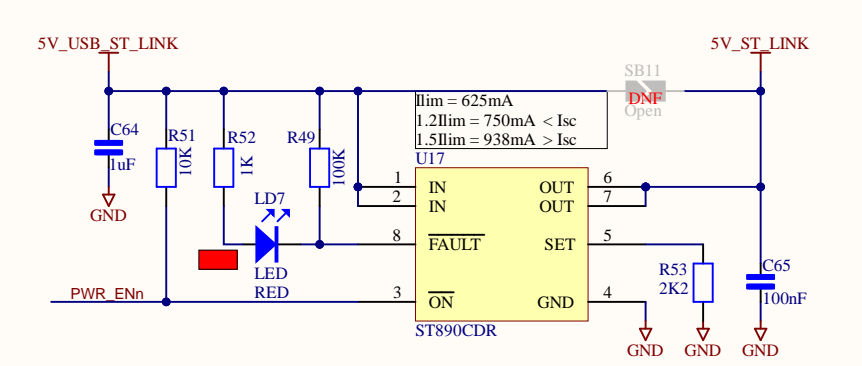
STLINK\_LED



ST-LINK DEBUG



ST LINK USB Power switch 5V / 1.2A



ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

Must be on a border or the PCB.

