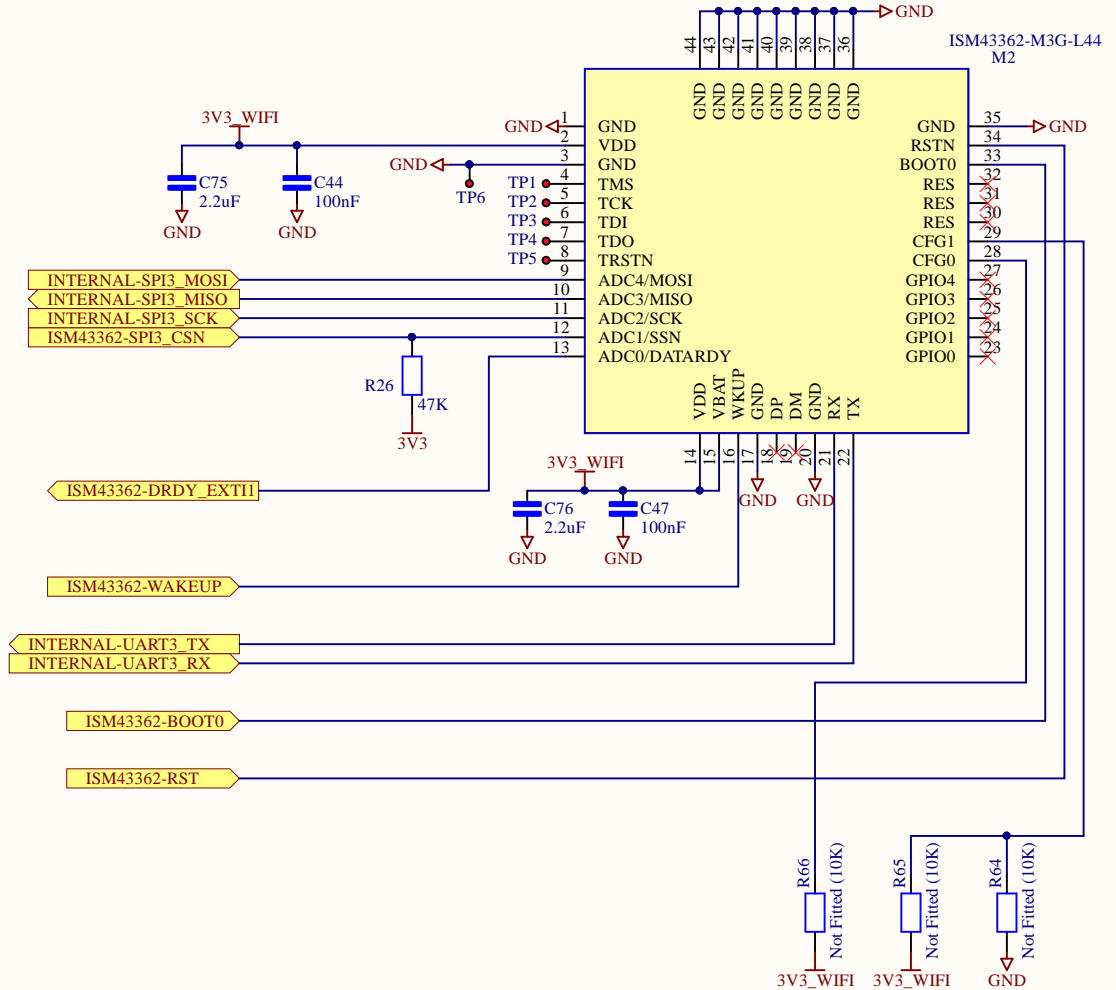
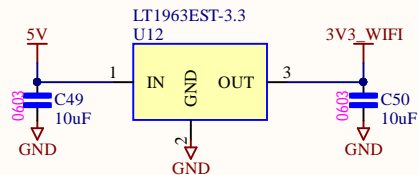
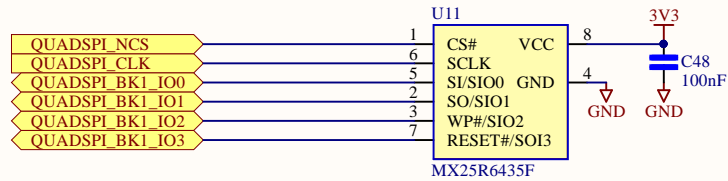
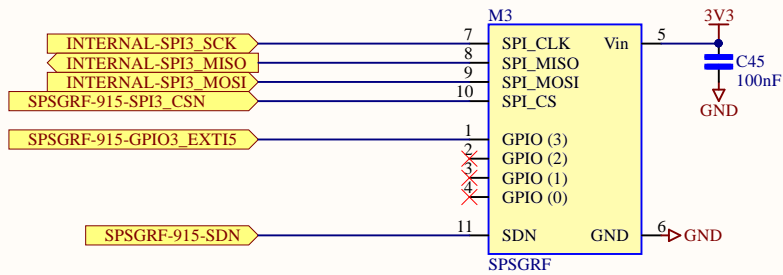
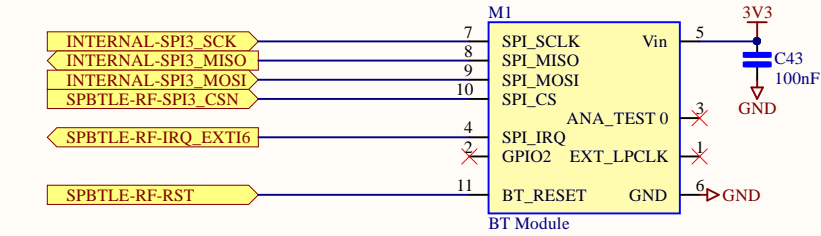


ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

Designed by DiZiC

Title: USB_OTG_FS		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017	Sheet: 4 of 11	



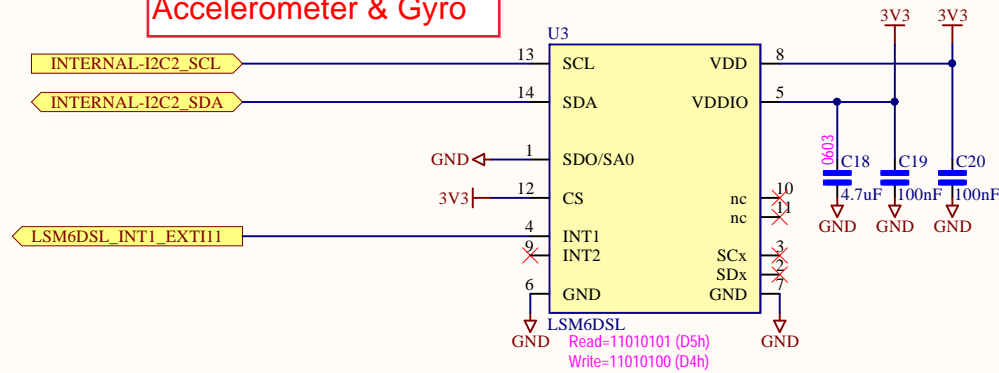


Designed by DiZiC

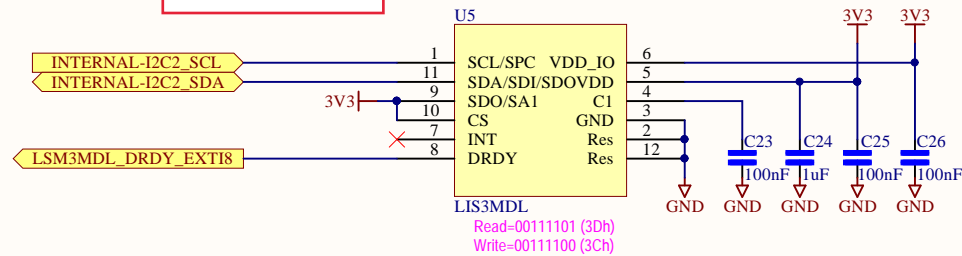
Title: RF Modules		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017	Sheet: 5 of 11	



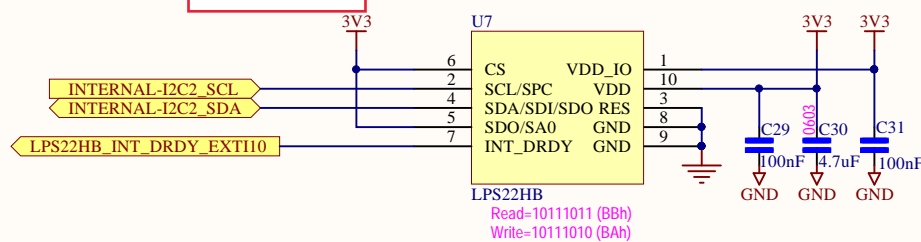
Accelerometer & Gyro



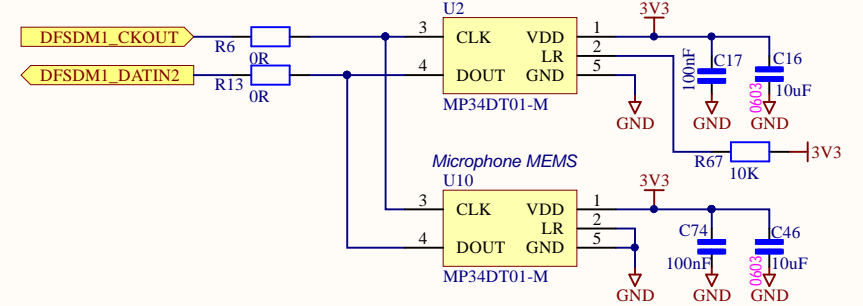
Magnetometer



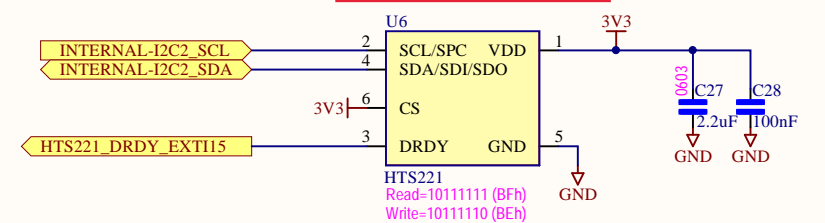
Barometer



Microphone MEMS



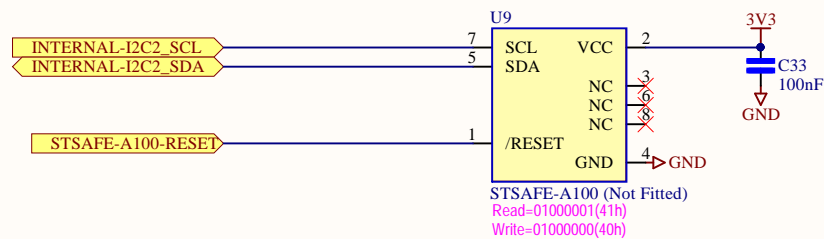
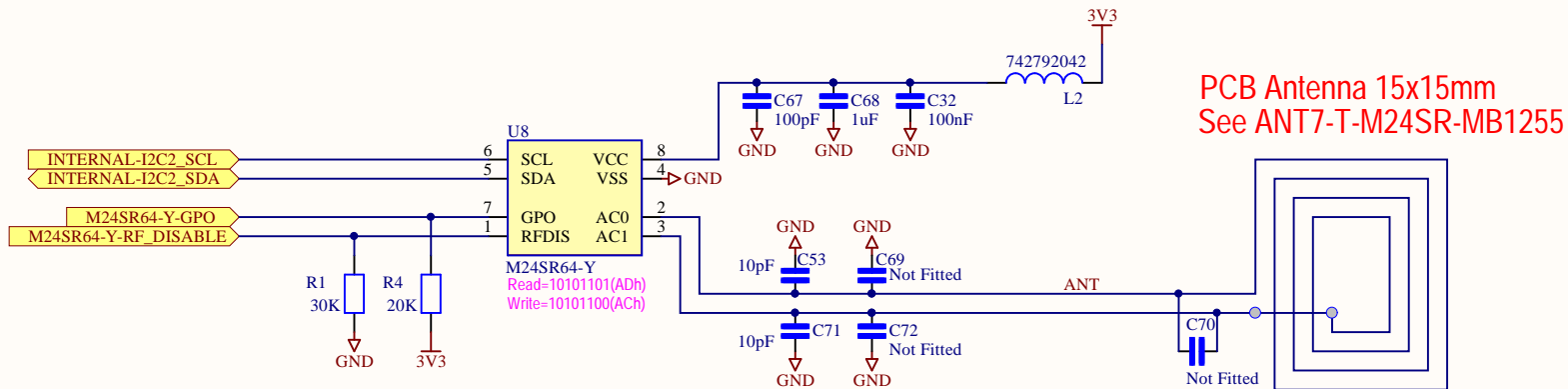
Temp & Humidity

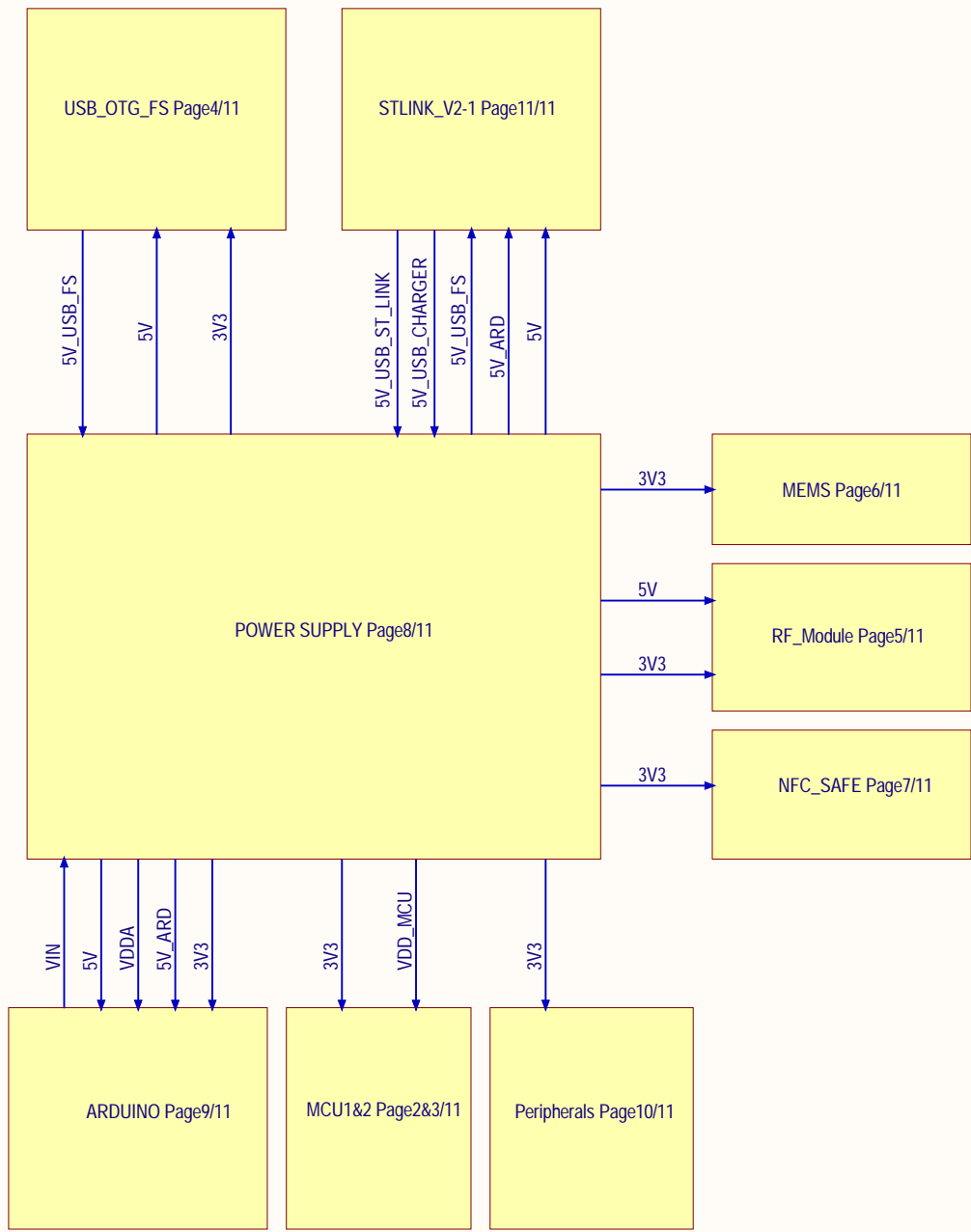


Designed by DiZiC

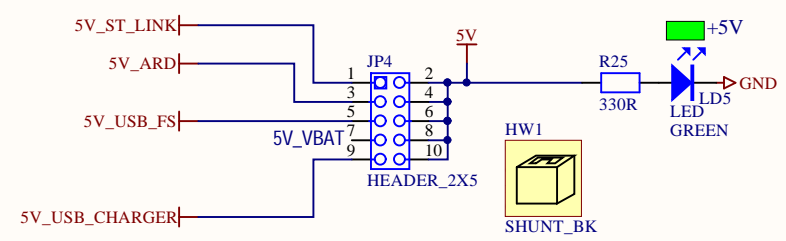
Title: MEMS Sensors		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017	Sheet: 6 of 11	



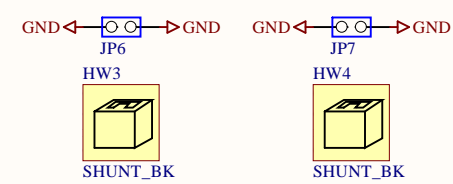




5V PWR SELECTION FROM EXTERNAL SOURCES

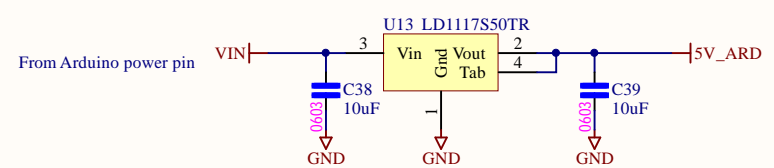


GND PROBE



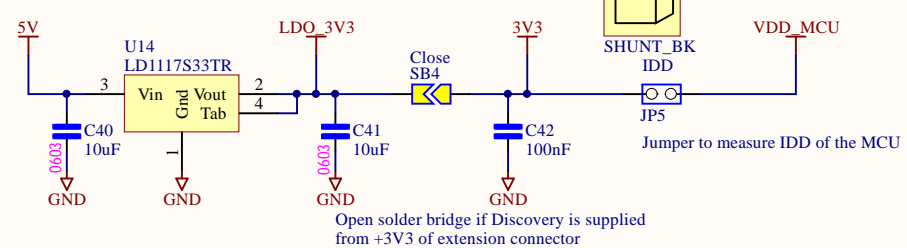
5V INPUT PWR FROM ARDUINO

5V / 800mA

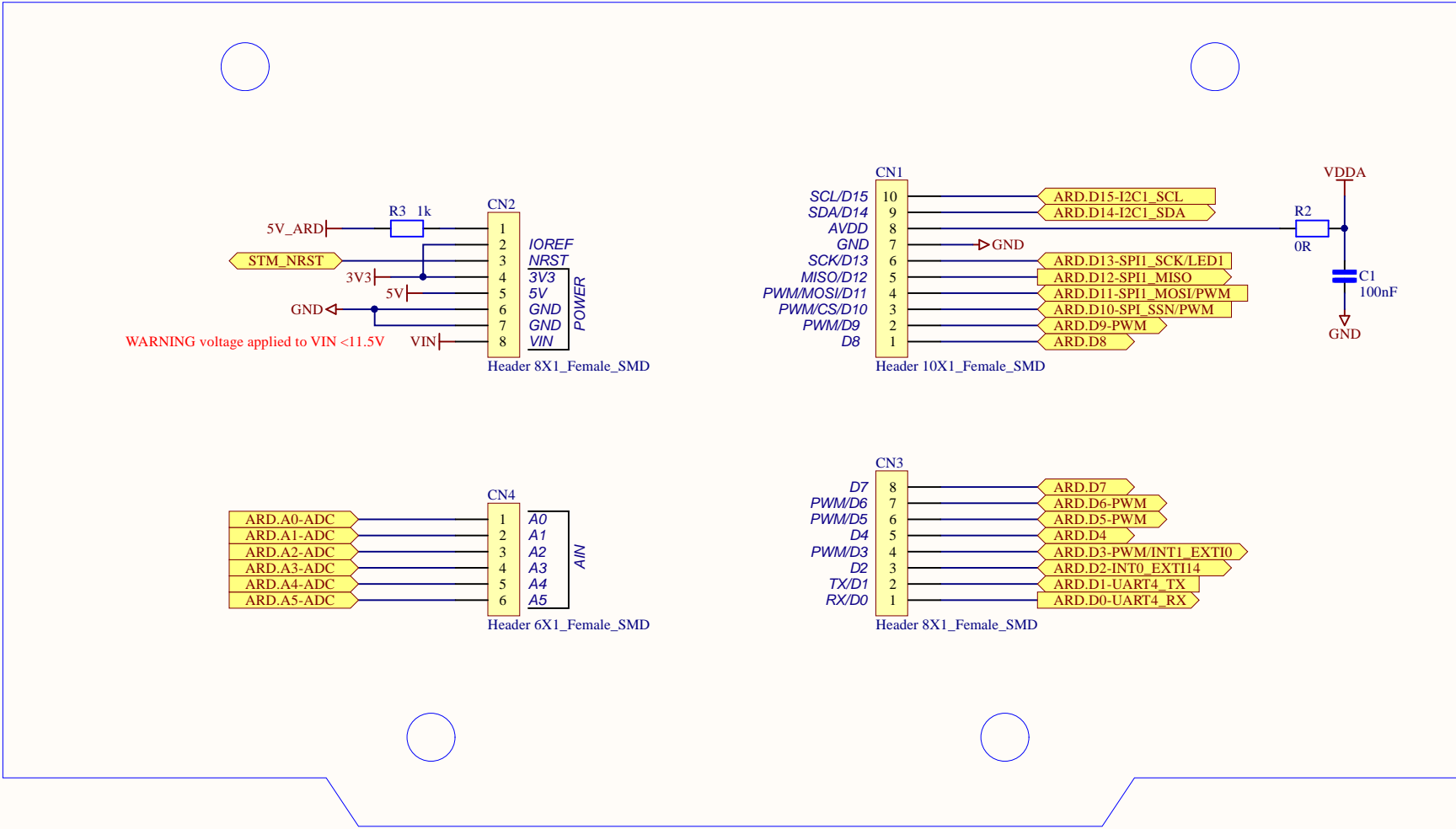


3V3 PWR

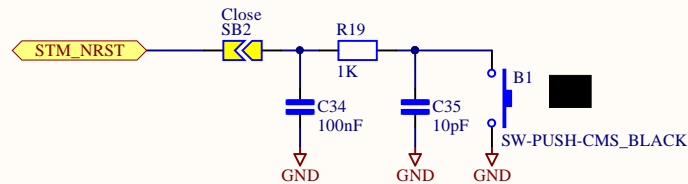
3V3 / 800mA



ARDUINO UNO connector

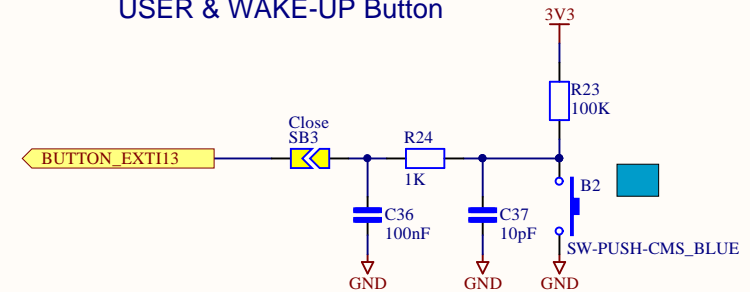


RESET BUTTON



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

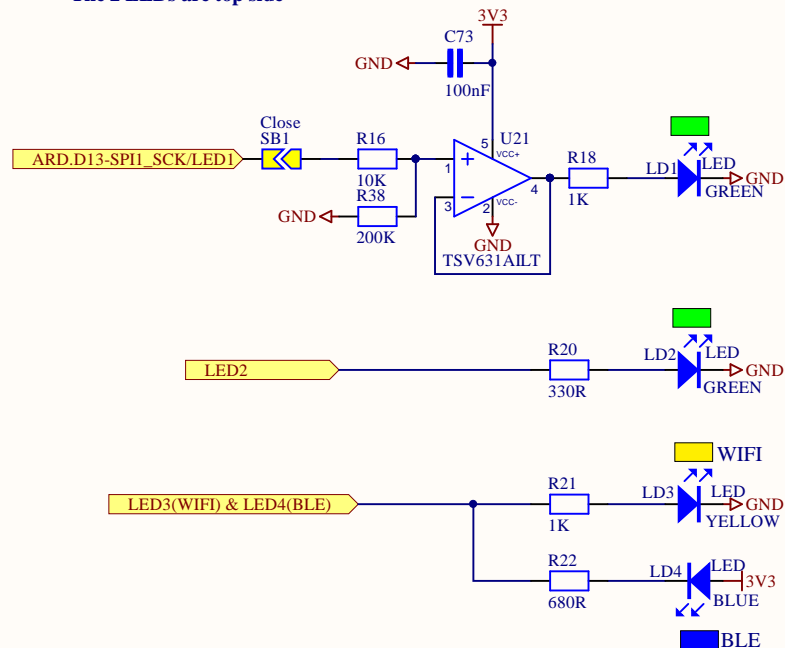
USER & WAKE-UP Button



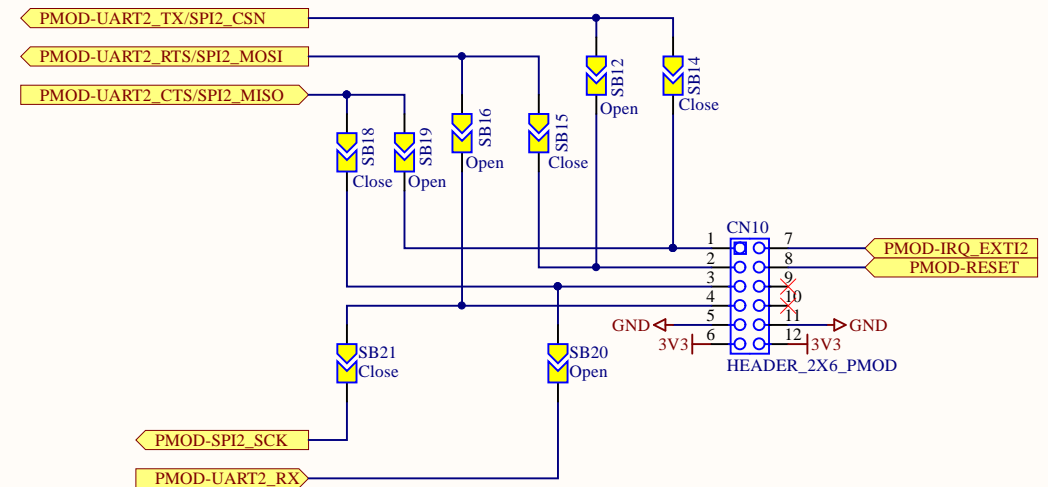
100nF should be place close to the MCU
10pF and 1K should be place close to the button

USER LED

The 2 LEDs are top side

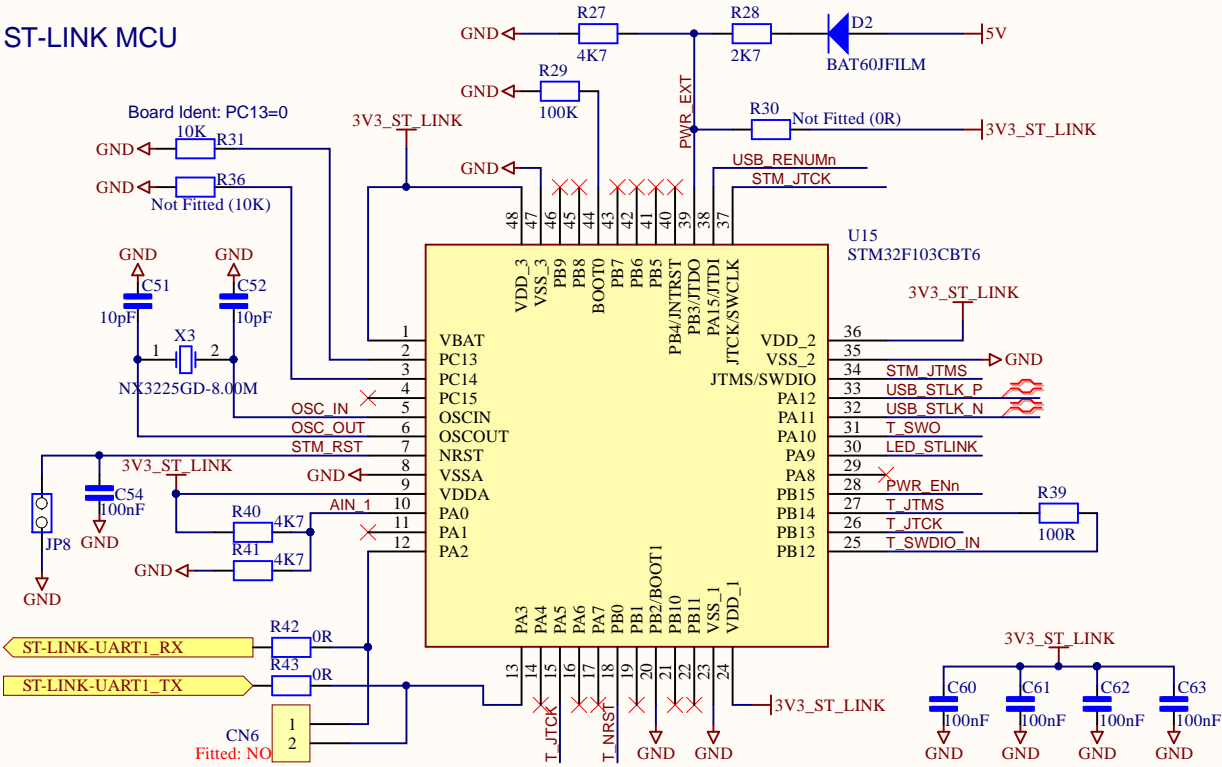


PMOD



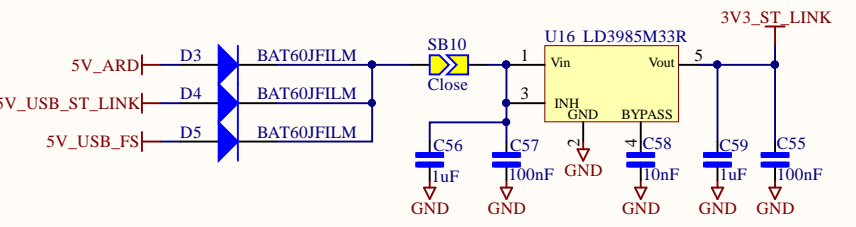
Title: Peripherals		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017		Sheet: 10 of 11

ST-LINK MCU

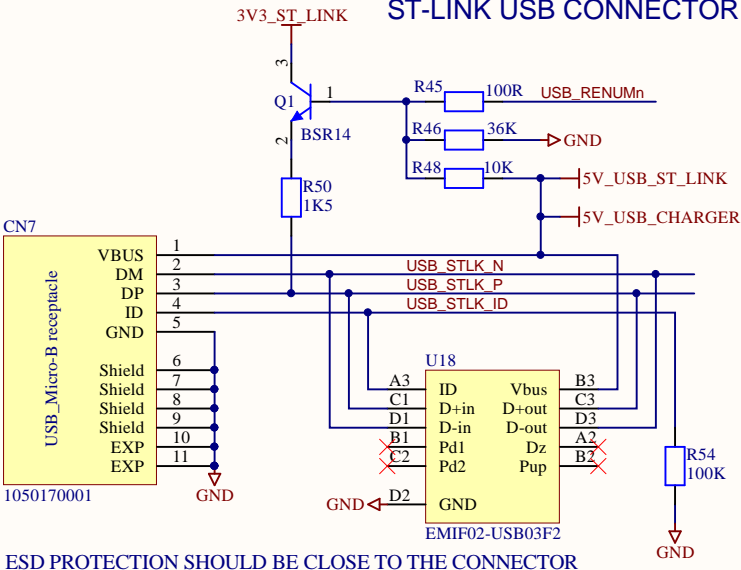


SWD INTERFACE

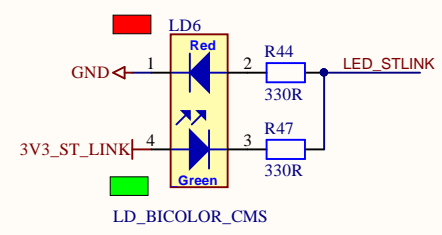
ST-LINK POWER 3V3 / 150mA



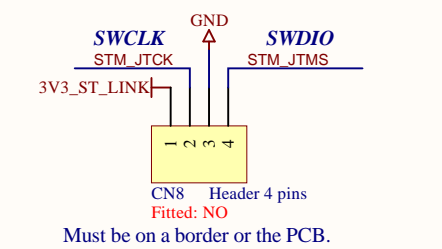
ST-LINK USB CONNECTOR



STLINK_LED



ST-LINK DEBUG



ST LINK USB Power switch 5V / 1.2A

