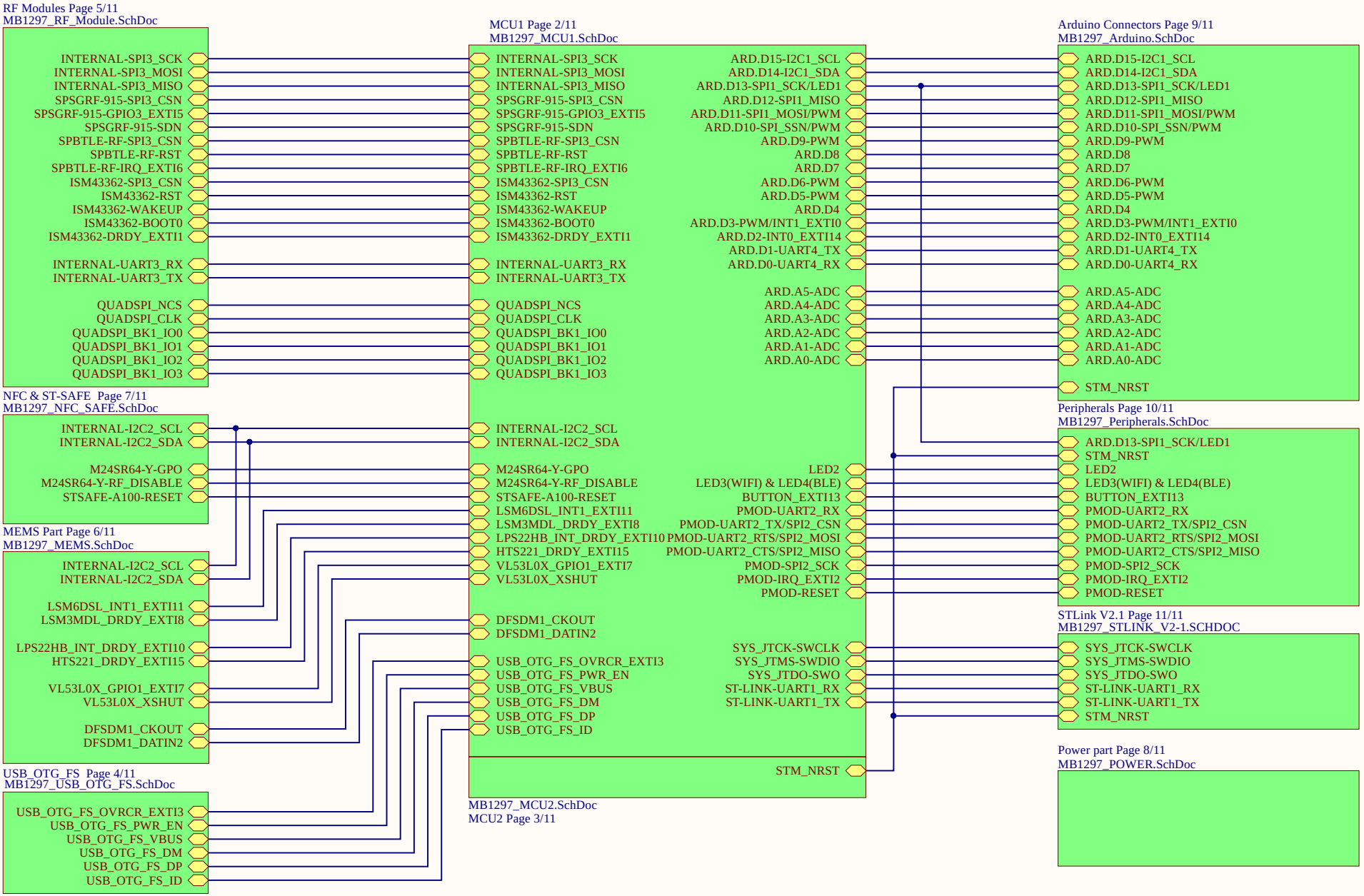
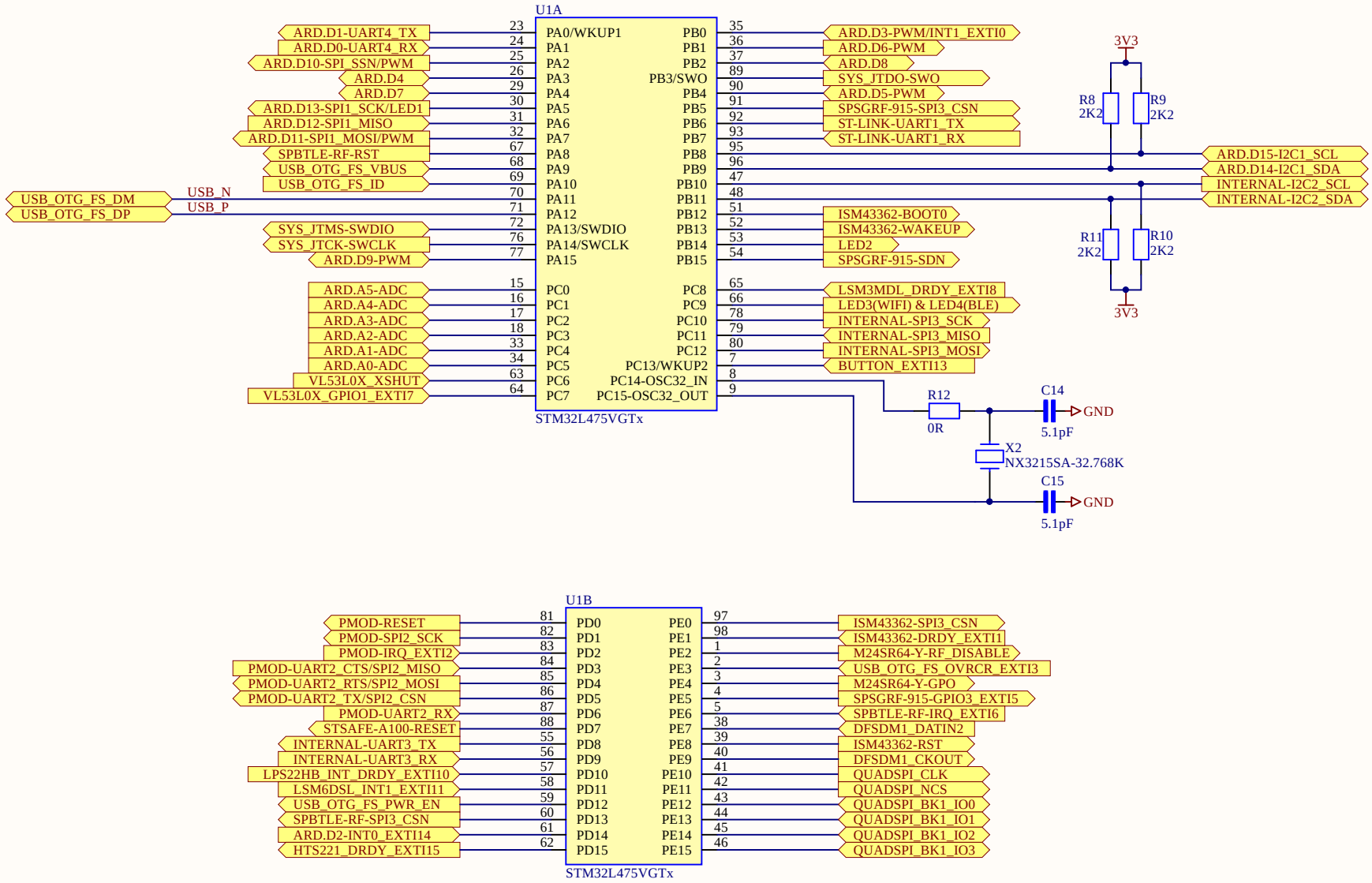


Designed by DiZiC

MB1297

Title: **IOT Node Discovery Kit**		
Project: **Project**		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017	Sheet: 1 of 11	

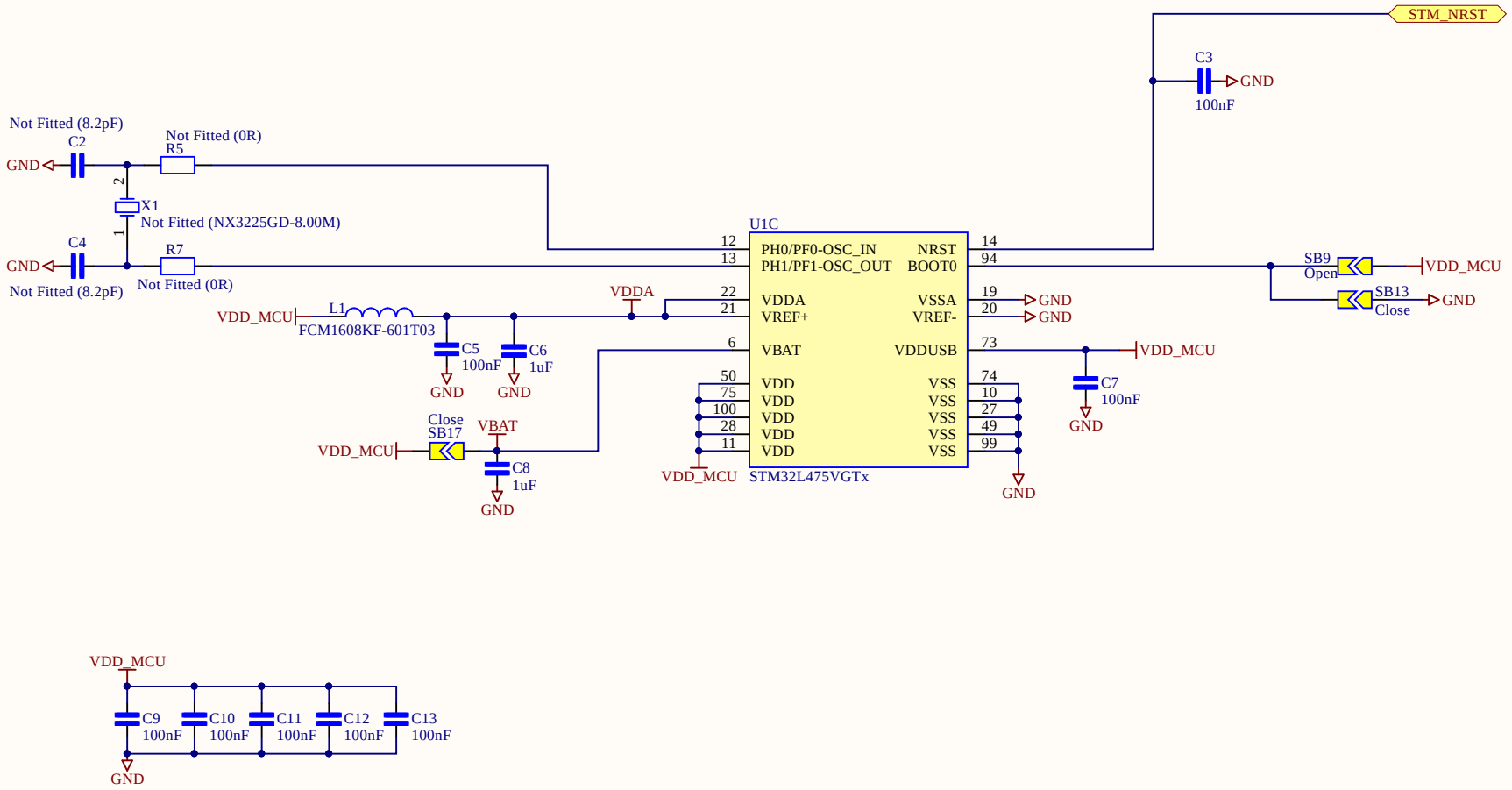
life.augmented



Designed by DiZiC

Title: **STM32L475 - 1/2**		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017		Sheet: 2 of 11

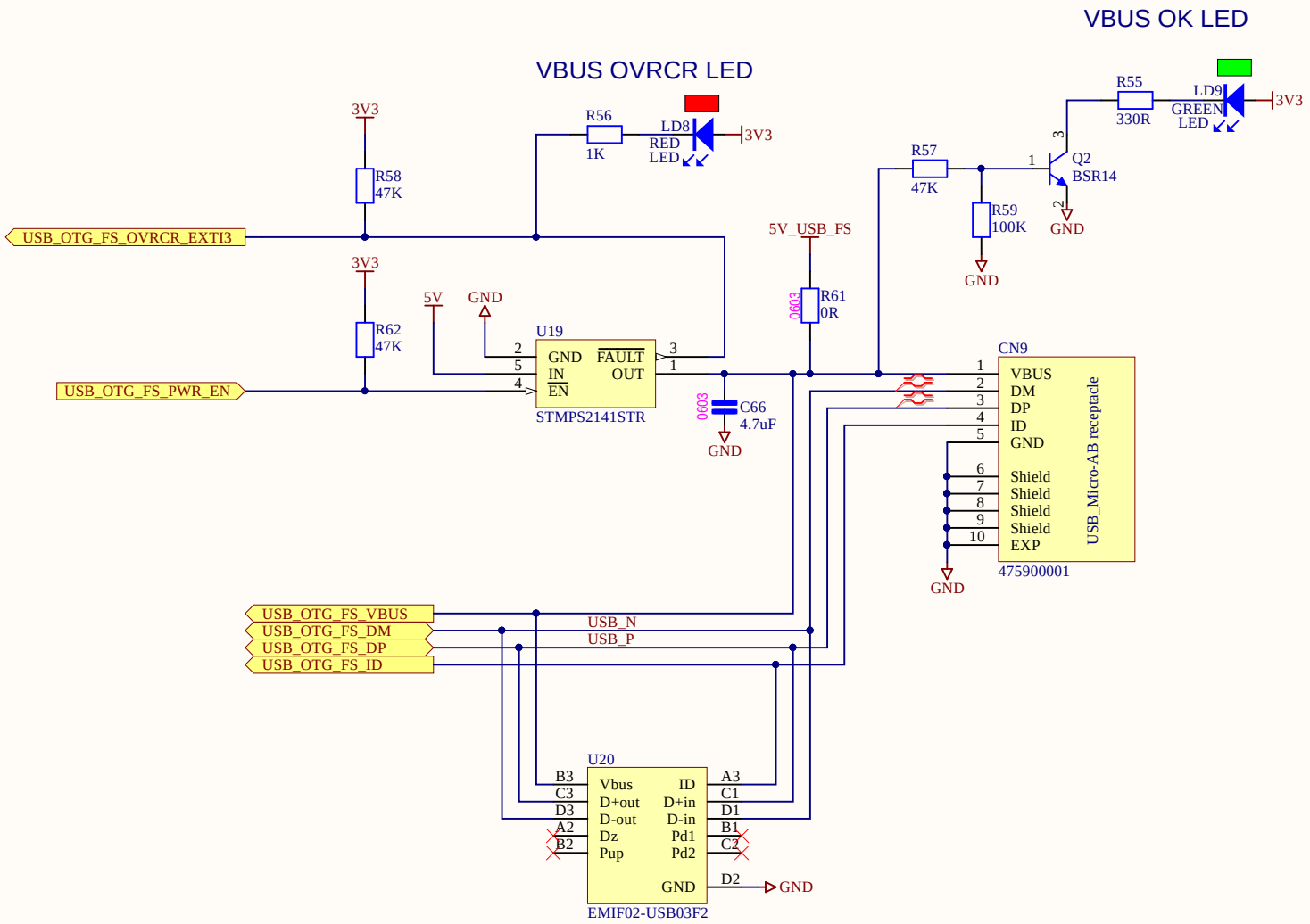
life.augmented



Designed by DiZiC

Title: **STM32L475 - 2/2**		
Project: **Project**		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017	Sheet: 3 of 11	

life.augmented

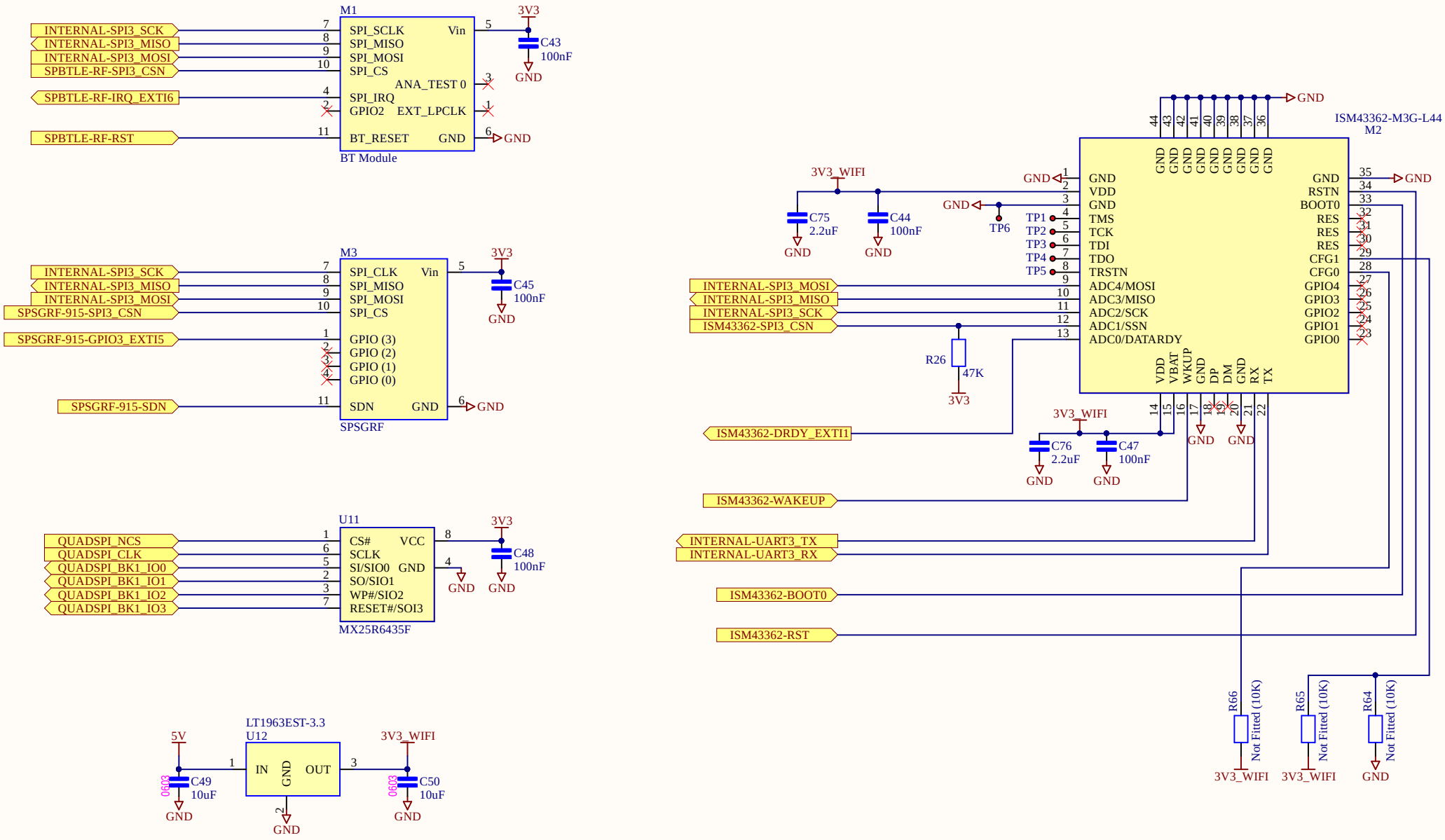


ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

Designed by DiZiC

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

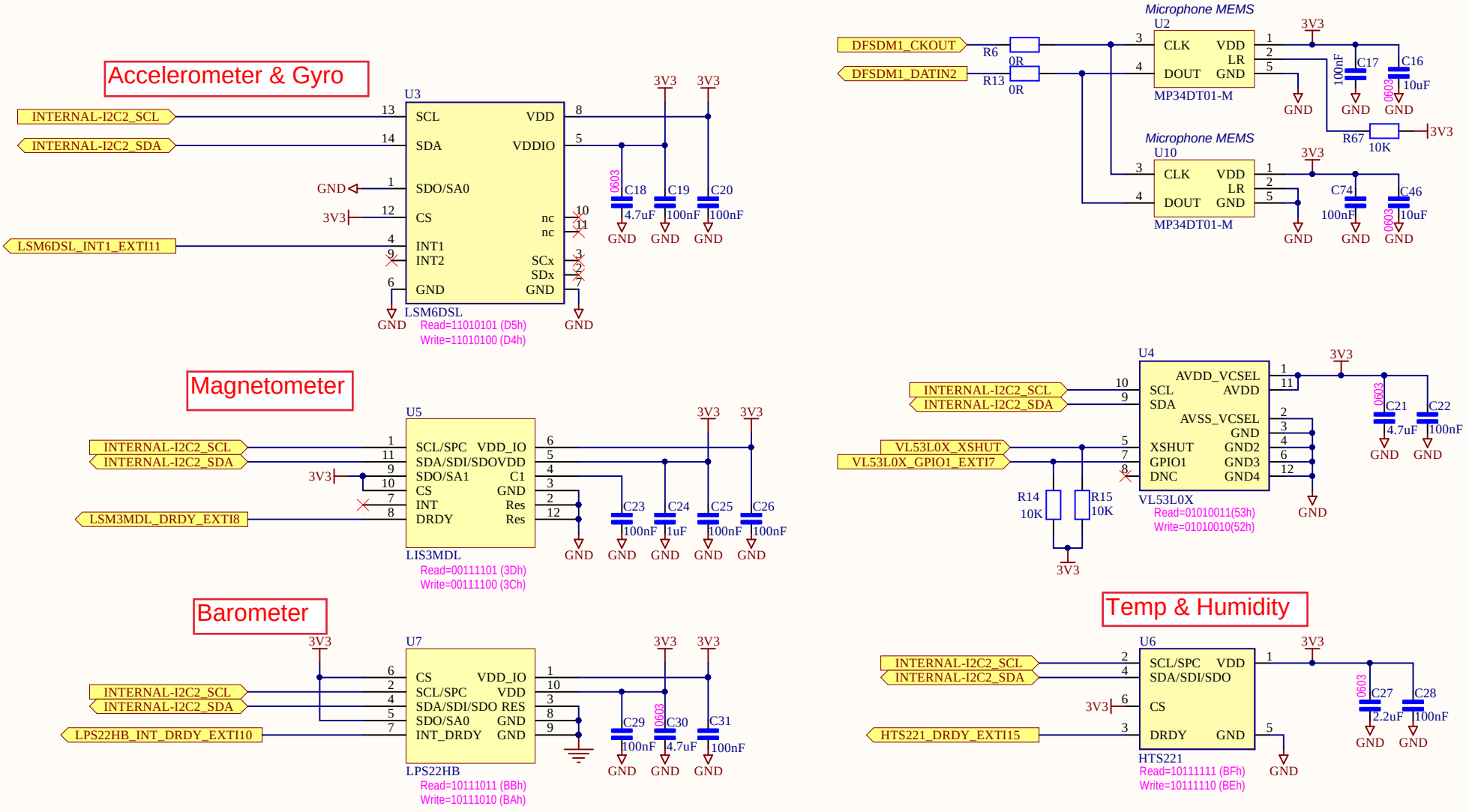
life.augmented



Designed by DiZiC

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

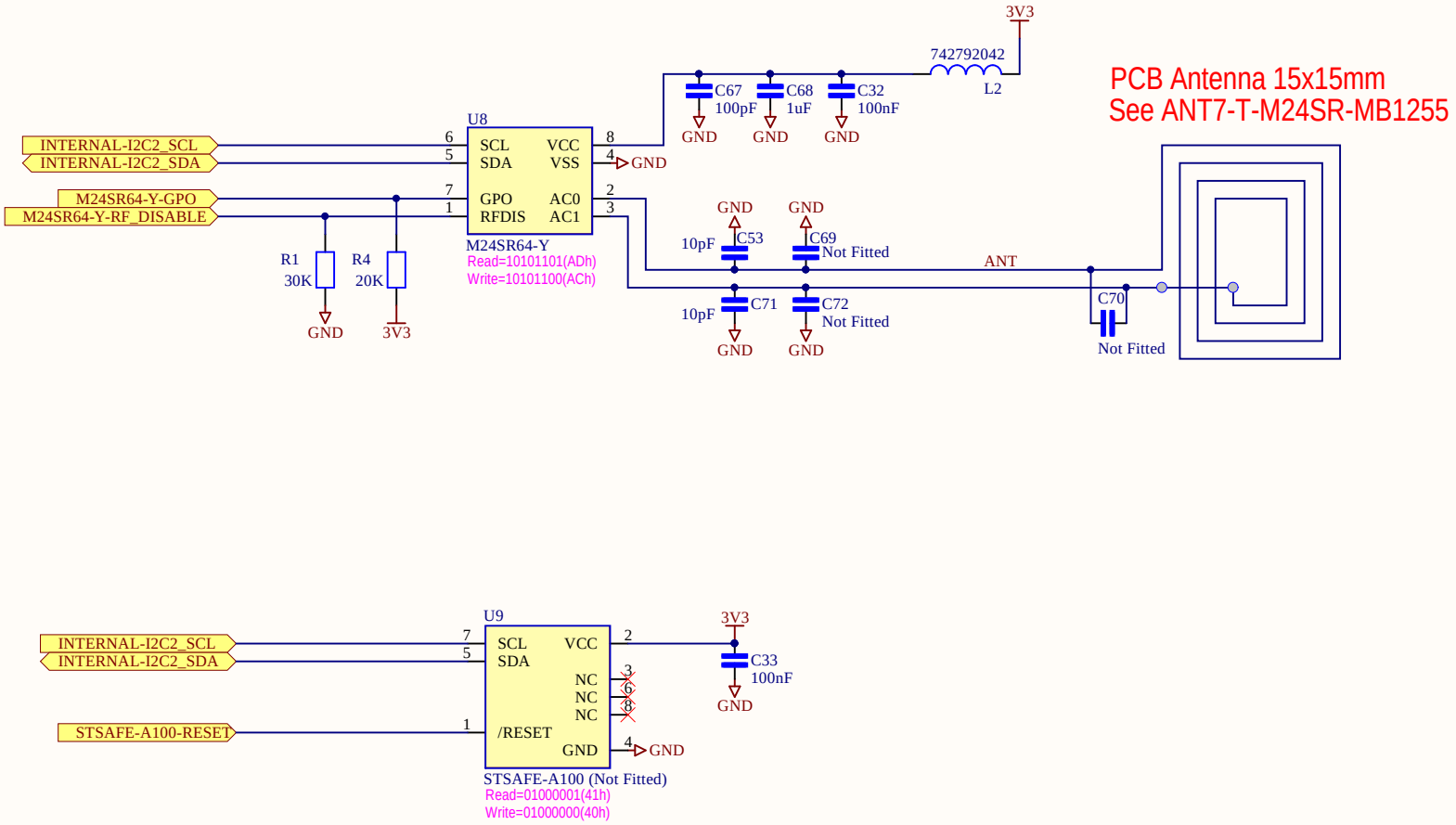
life.augmented



Designed by DiZiC

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

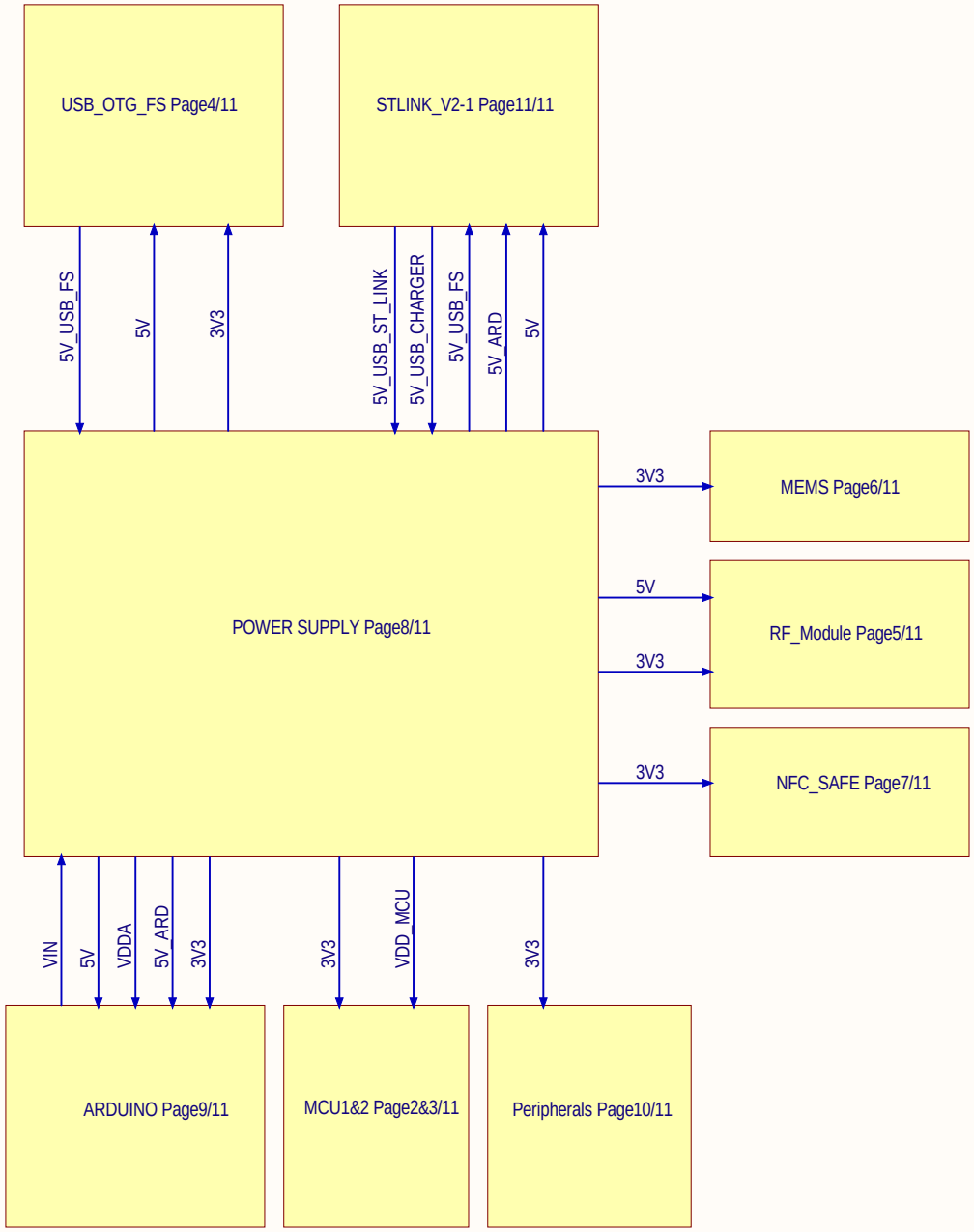
life.augmented



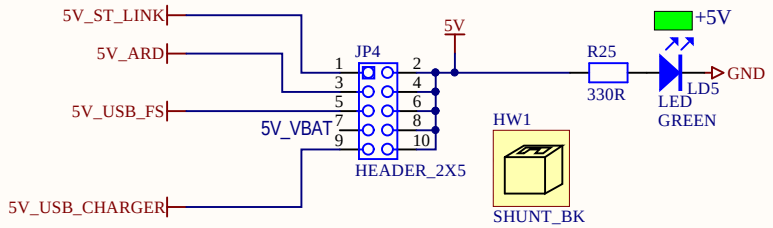
Designed by DiZiC

Title: **NFC & ST-SAFE Part**		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 12/03/2017		Sheet: 7 of 11

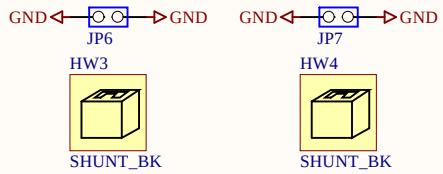
life.augmented



5V PWR SELECTION FROM EXTERNAL SOURCES

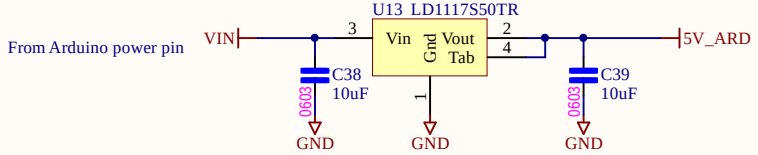


GND PROBE



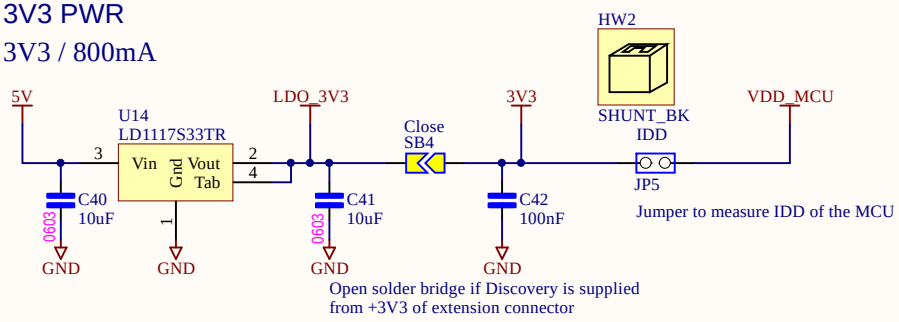
5V INPUT PWR FROM ARDUINO

5V / 800mA



3V3 PWR

3V3 / 800mA

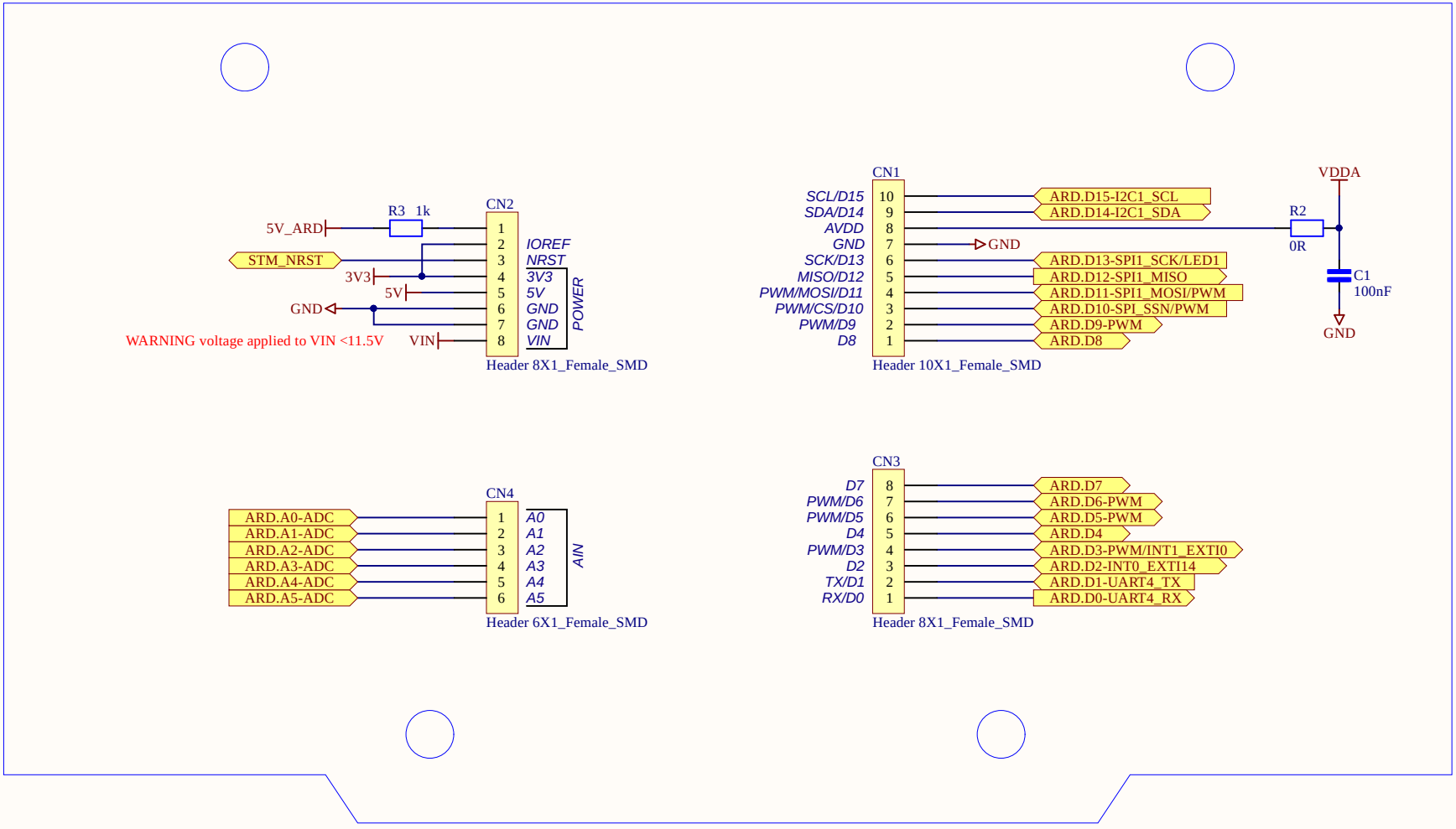


Designed by DiZiC

Title: **POWER SUPPLY**		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017		Sheet: 8 of 11

life.augmented

ARDUINO UNO connector

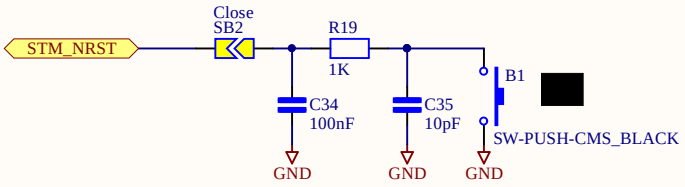


Designed by DiZiC

Title: **Arduino Uno connector**		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017	Sheet: 9 of 11	

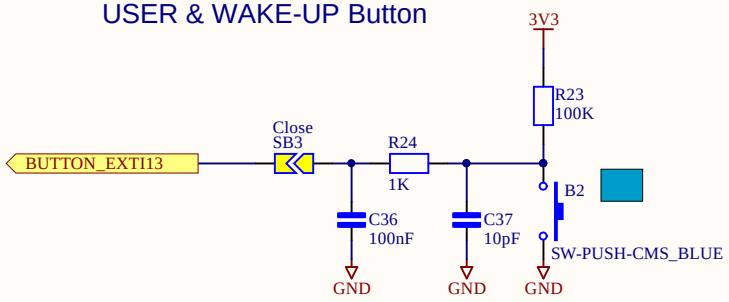
life.augmented

RESET BUTTON



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

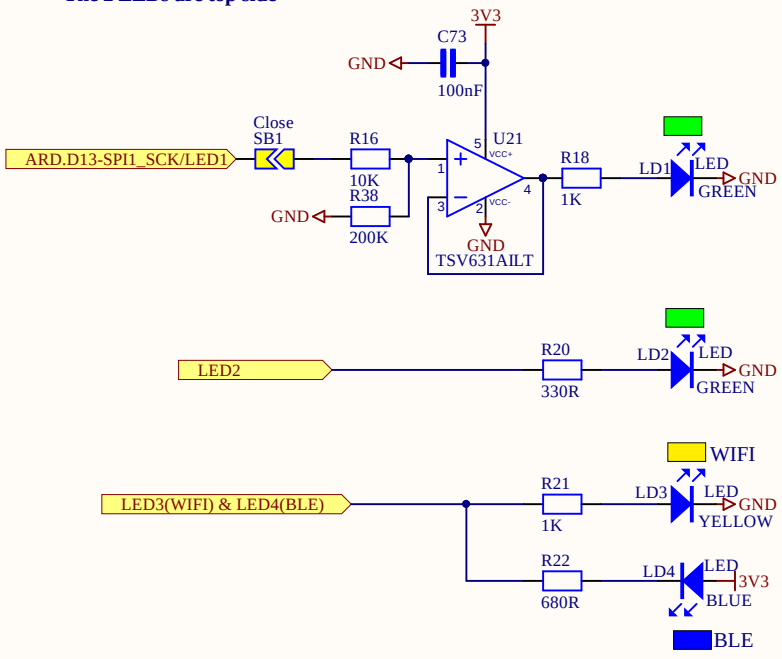
USER & WAKE-UP Button



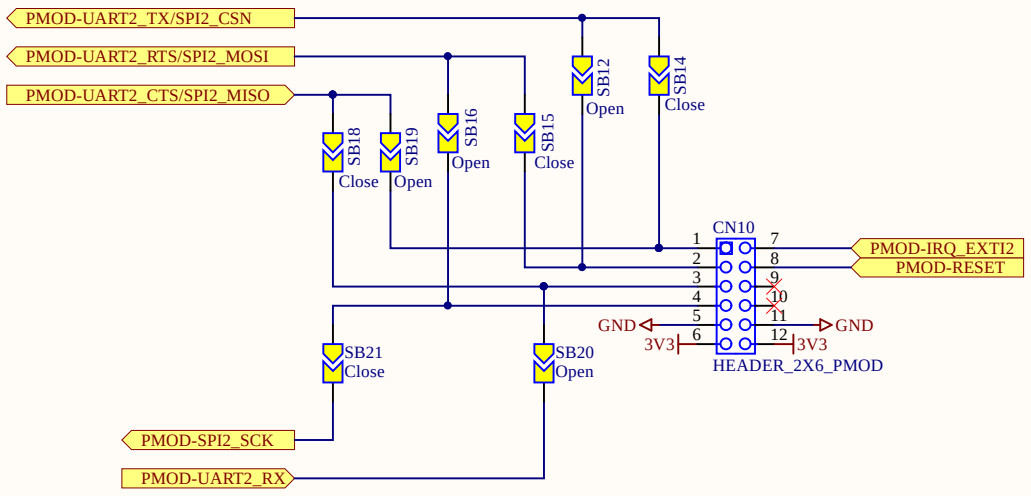
100nF should be place close to the MCU
10pF and 1K should be place close to the button

USER LED

The 2 LEDs are top side



PMOD

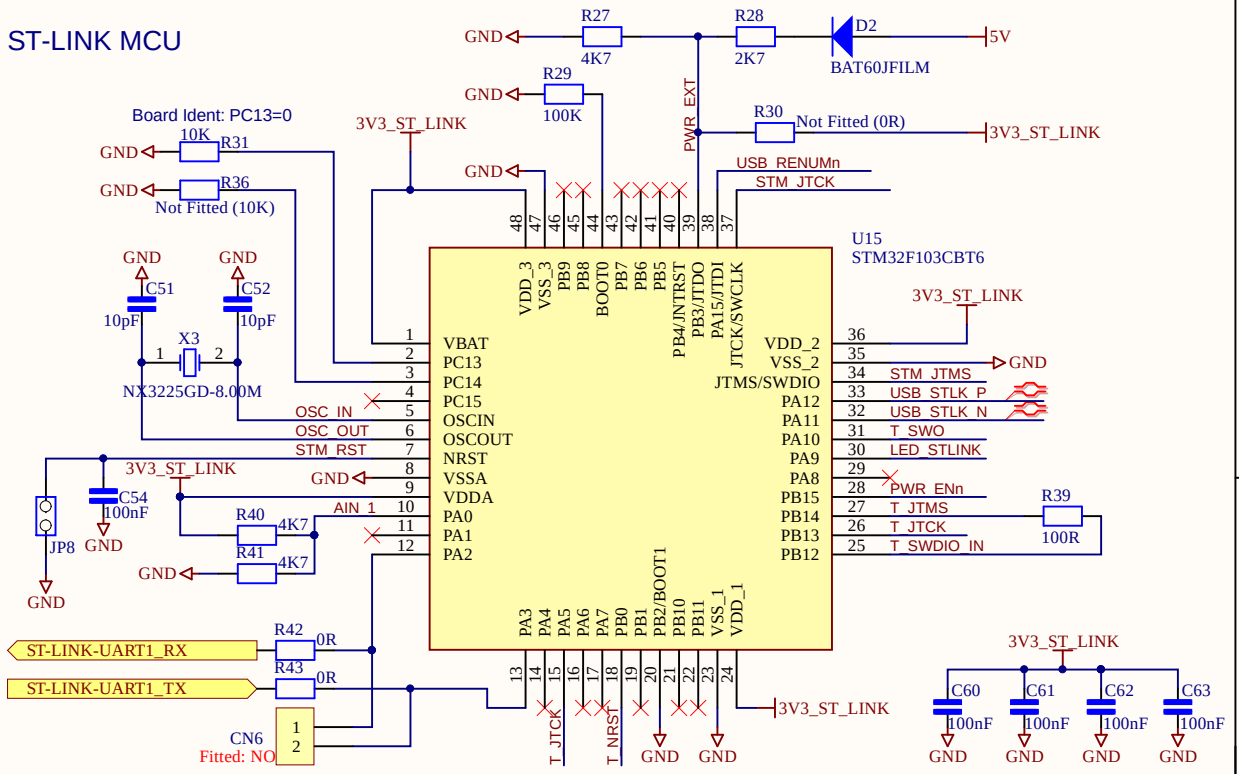


Designed by DiZiC

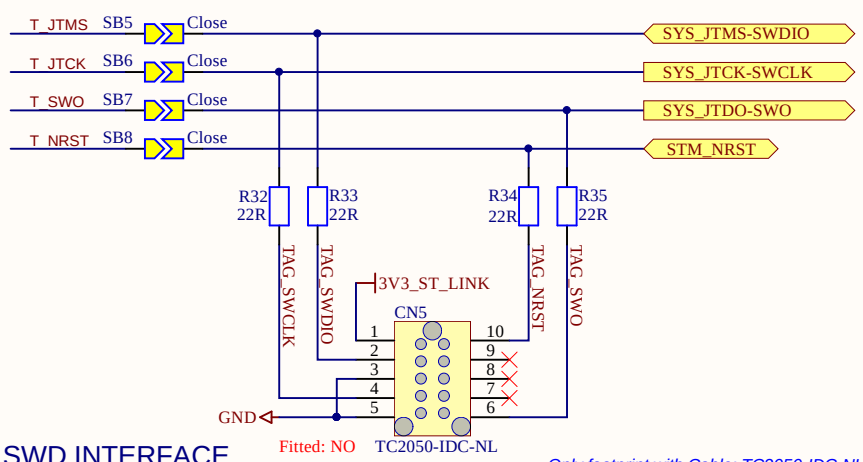
Title: **Peripherals**		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017		Sheet: 10 of 11

life.augmented

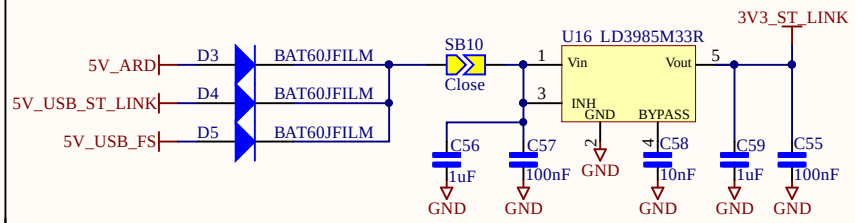
ST-LINK MCU



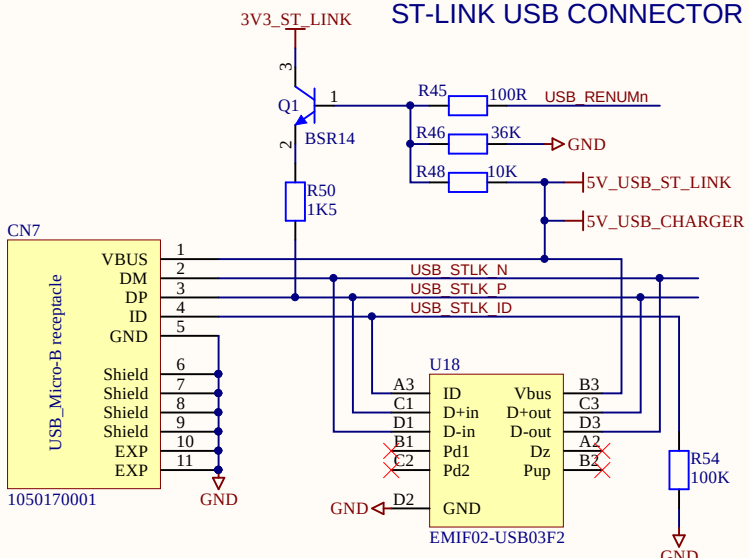
SWD INTERFACE



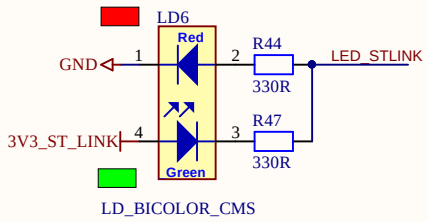
ST-LINK POWER 3V3 / 150mA



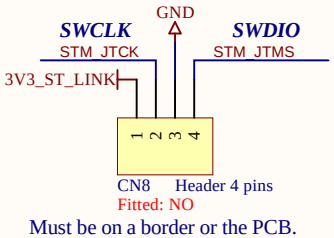
ST-LINK USB CONNECTOR



STLINK_LED

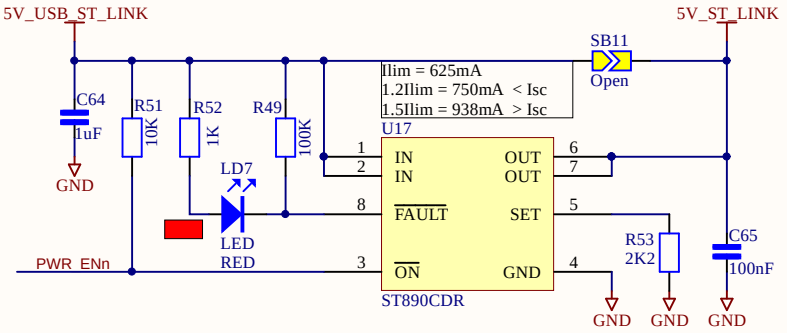


ST-LINK DEBUG



Must be on a border or the PCB.

ST LINK USB Power switch 5V / 1.2A



Designed by DiZiC

Title: **ST-LINK/V2-1 with support of SWD only**		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 12/03/2017		Sheet: 11 of 11

life.augmented