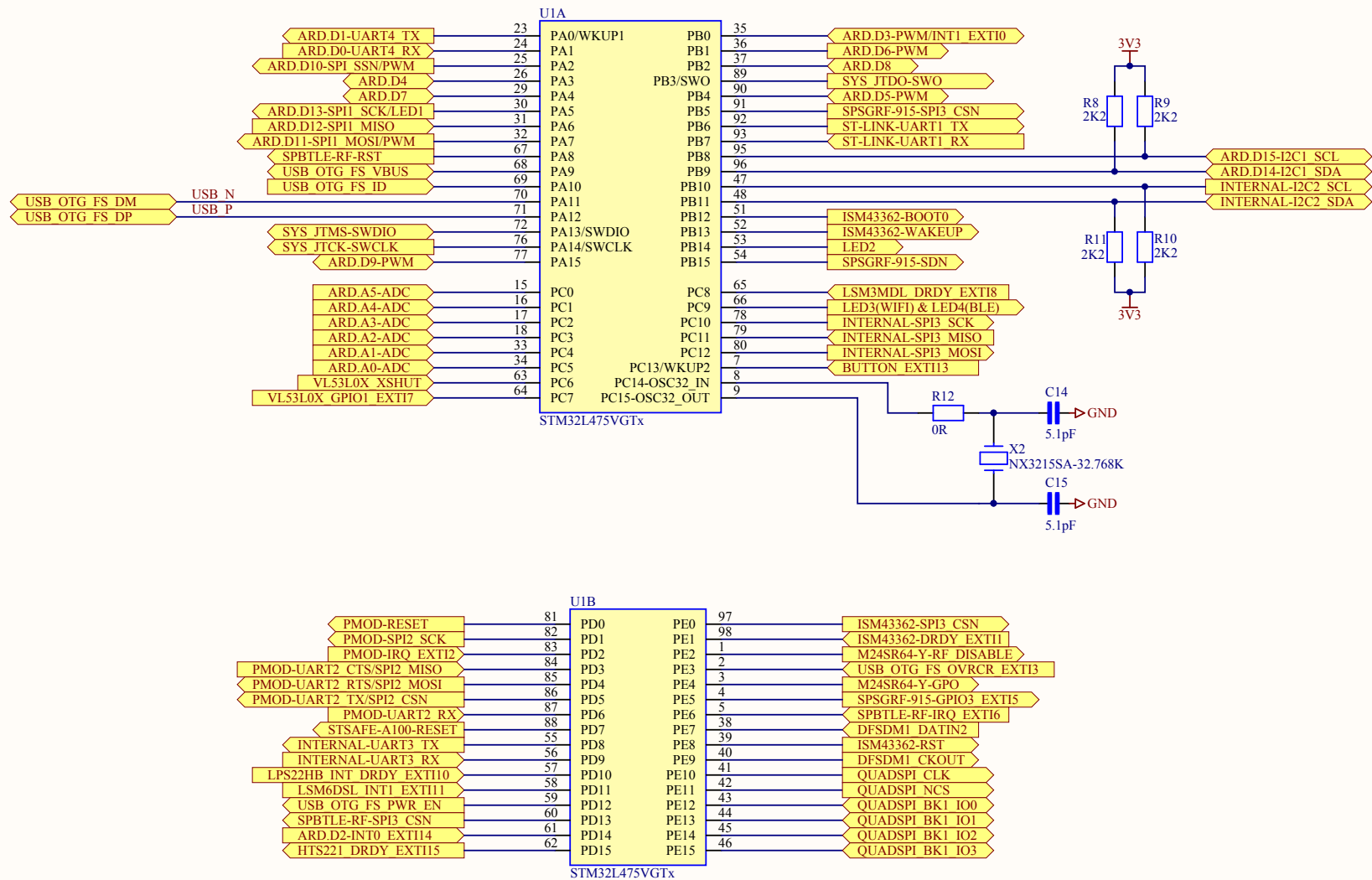



**MB1297**

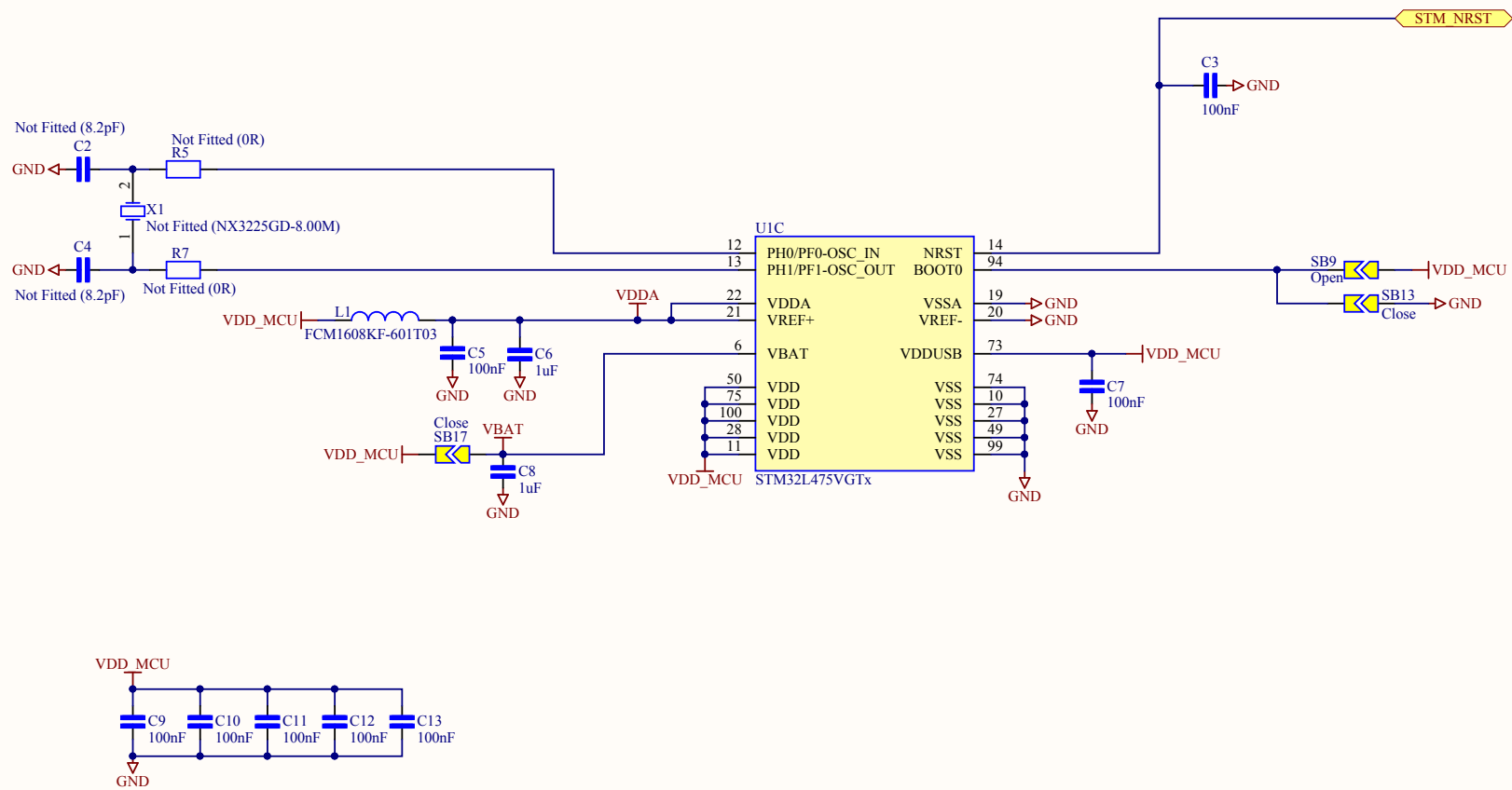
Title: IOT Node Discovery Kit			
Project: Project			
Size: A4	Reference: MB1297	Revision: C	
Date: 12/16/2016	Sheet: 1 of 11		life.augmented





Designed by DiZiC

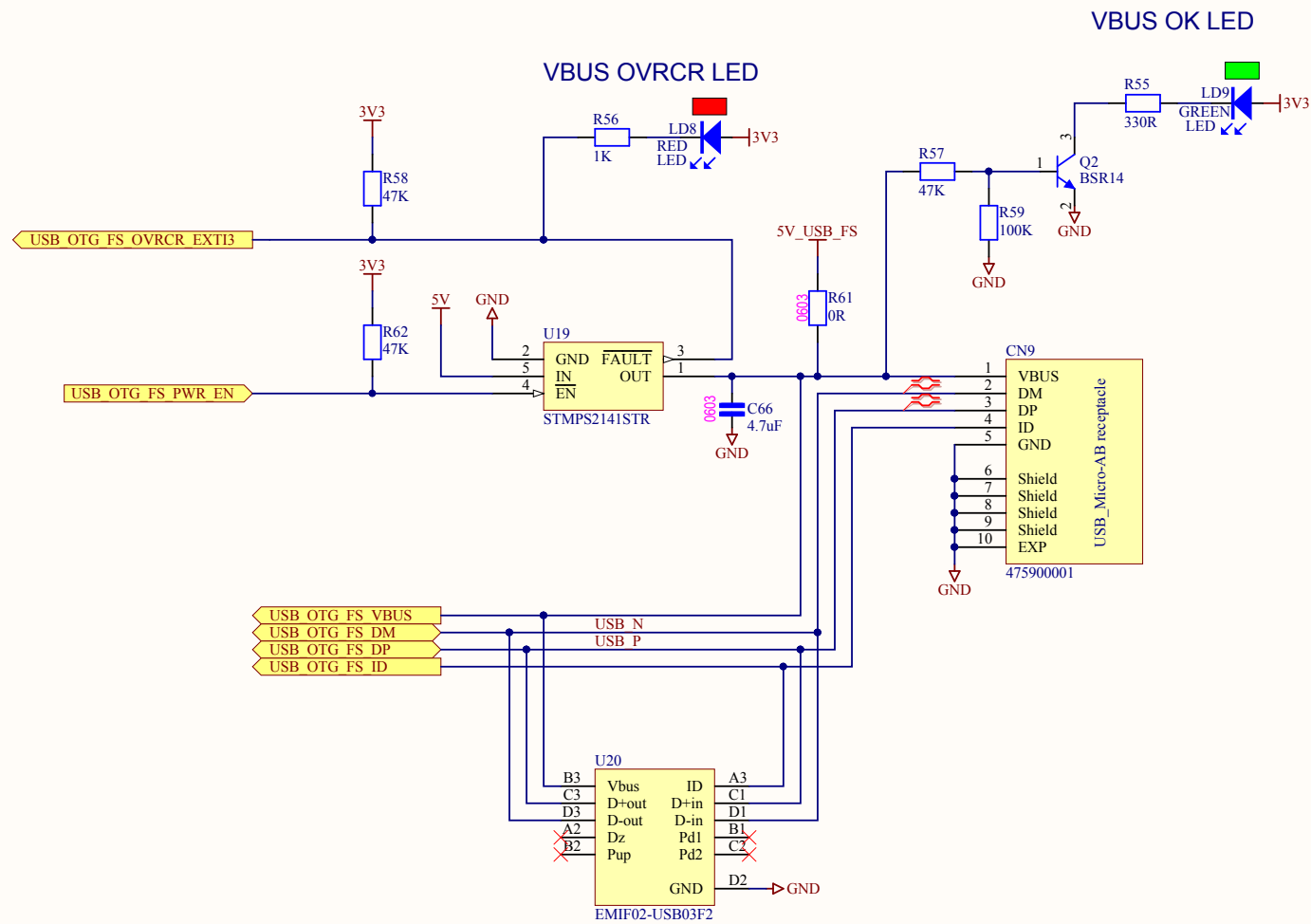
Title: <b>STM32L475 - 1/2</b>			 life.augmented
Project:			
Size: <b>A4</b>	Reference: <b>MB1297</b>	Revision: <b>C</b>	
Date: <b>12/16/2016</b>		Sheet: <b>2</b> of <b>11</b>	



Designed by DiZiC

Title: <b>STM32L475 - 2/2</b>		
Project: <b>Project</b>		
Size: <b>A4</b>	Reference: <b>MB1297</b>	Revision: <b>C</b>
Date: <b>12/16/2016</b>	Sheet: <b>3</b> of <b>11</b>	



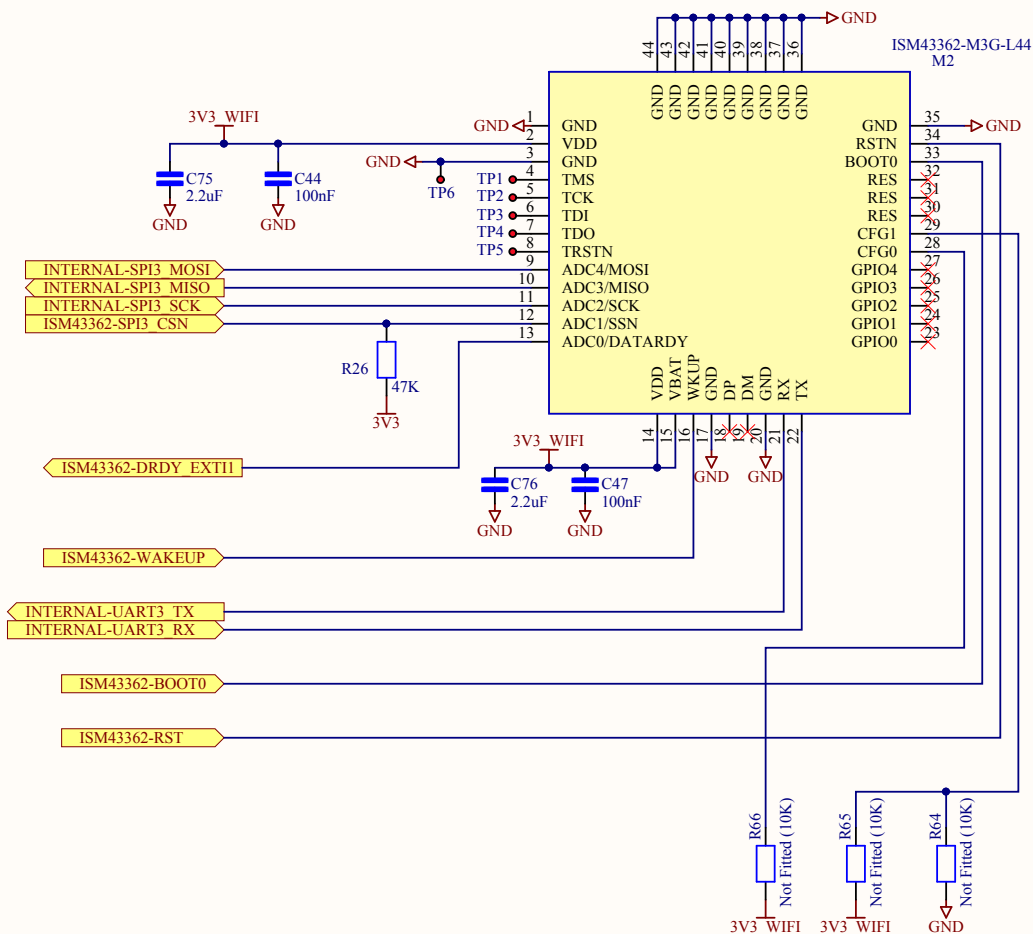
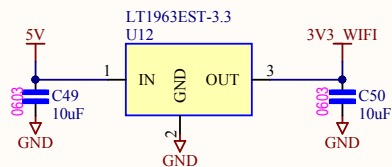
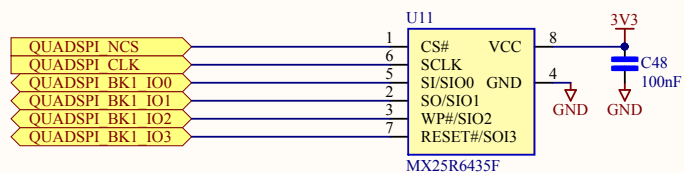
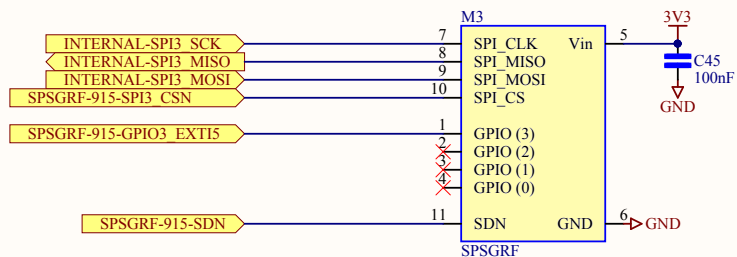
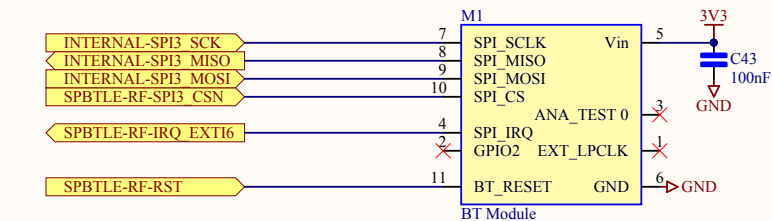


ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

Designed by DiZiC

Title: <b>USB_OTG_FS</b>		
Project:		
Size: <b>A4</b>	Reference: <b>MB1297</b>	Revision: <b>C</b>
Date: <b>12/16/2016</b>	Sheet: 4 of 11	

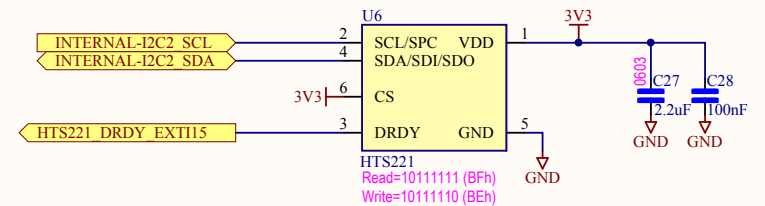
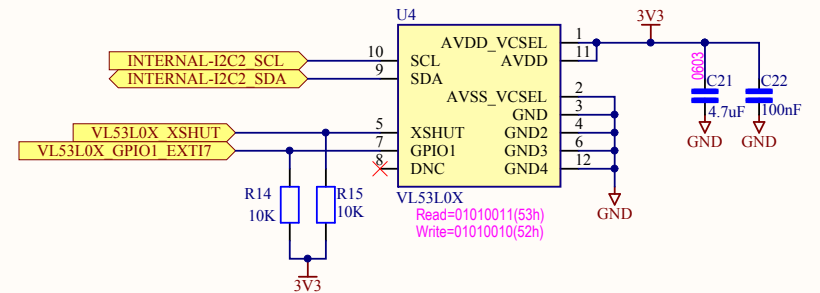
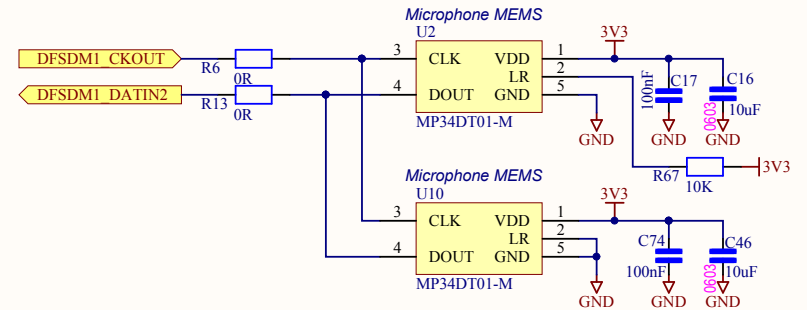
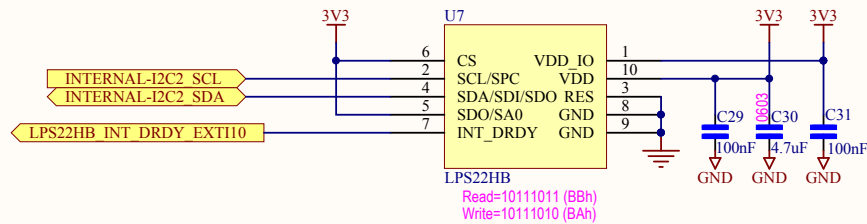
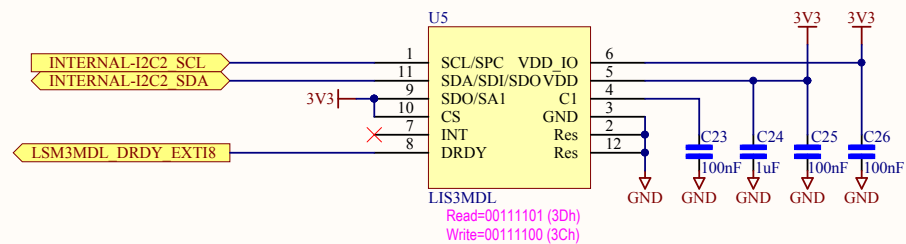
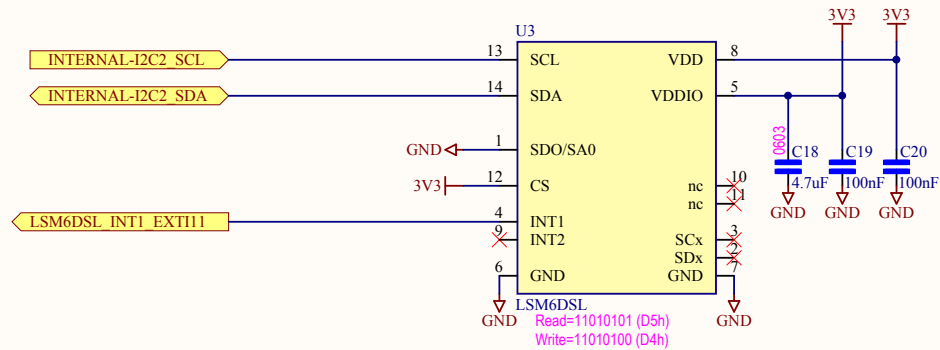




Designed by DiZiC

Title: RF Modules		
Project:		
Size: A4	Reference: MB1297	Revision: C
Date: 12/16/2016	Sheet: 5 of 11	

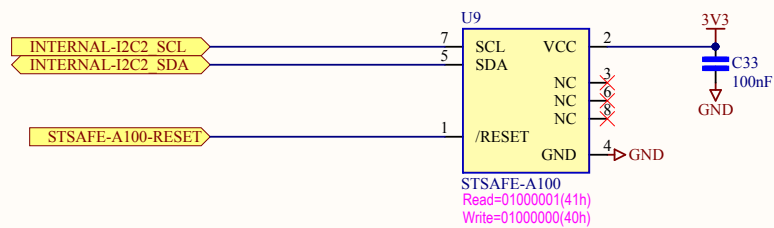
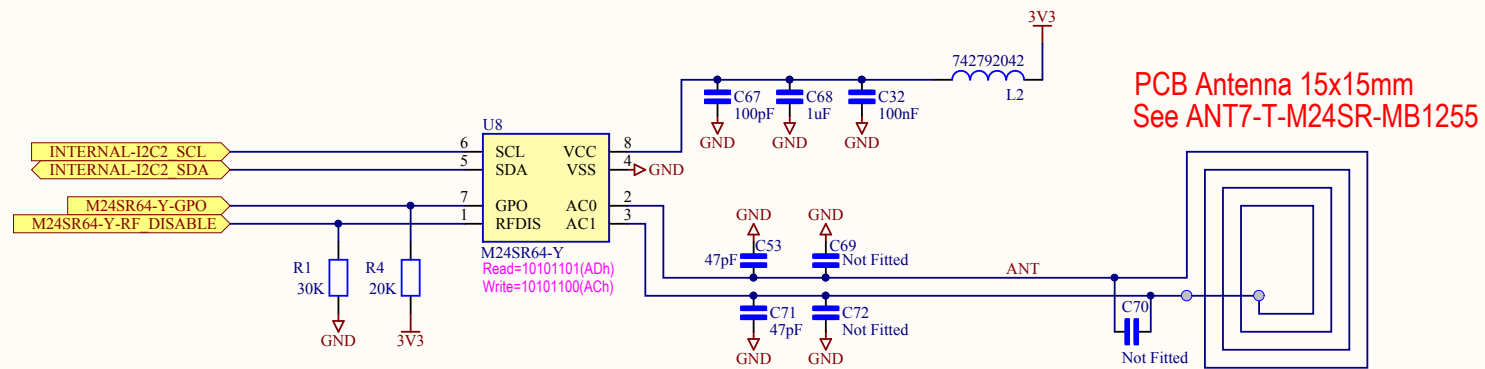




Designed by DiZiC

Title: MEMS Sensors		
Project:		
Size: A4	Reference: MB1297	Revision: C
Date: 12/16/2016	Sheet: 6 of 11	

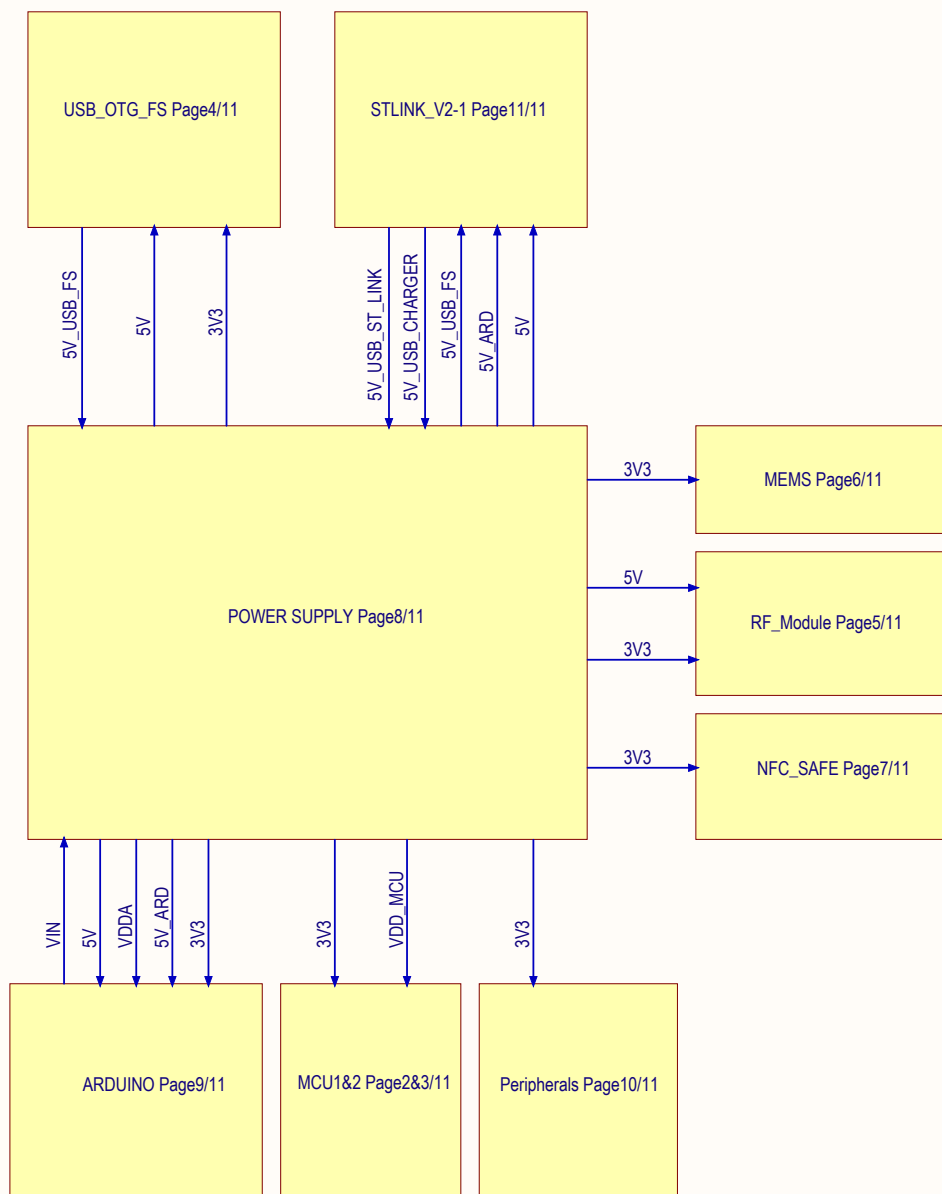




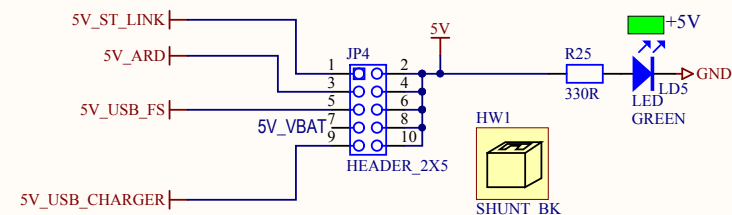
Designed by DiZiC

Title: NFC & ST-SAFE Part		
Project:		
Size: A4	Reference: MB1297	Revision: C
Date: 12/16/2016	Sheet: 7 of 11	

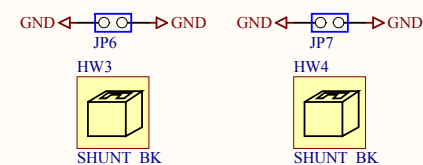




## 5V PWR SELECTION FROM EXTERNAL SOURCES

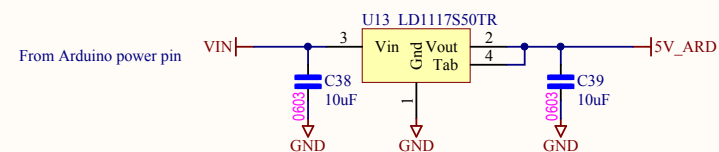


## GND PROBE



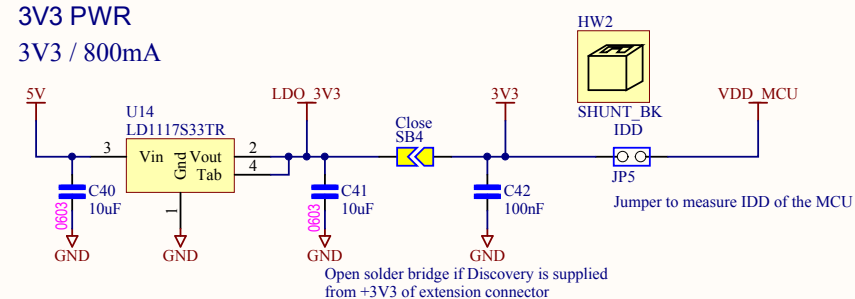
## 5V INPUT PWR FROM ARDUINO

5V / 800mA



## 3V3 PWR

3V3 / 800mA



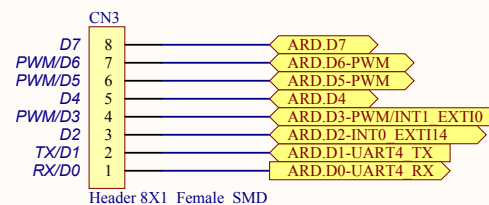
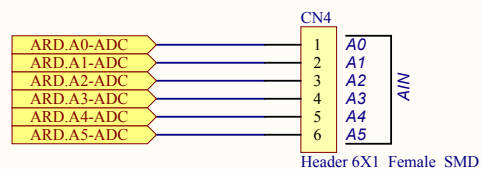
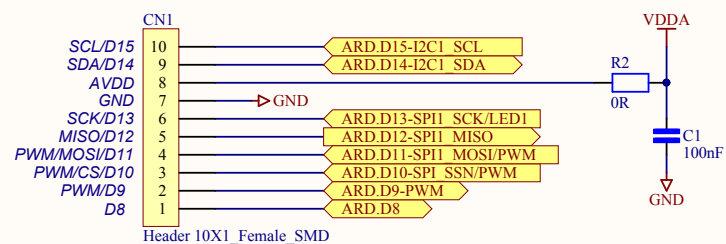
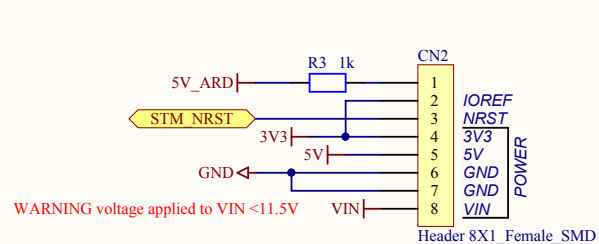
Designed by DiZiC

Title: <b>POWER SUPPLY</b>		
Project:		
Size: A4	Reference: MB1297	Revision: C
Date: 12/16/2016	Sheet: 8 of 11	





## ARDUINO UNO connector

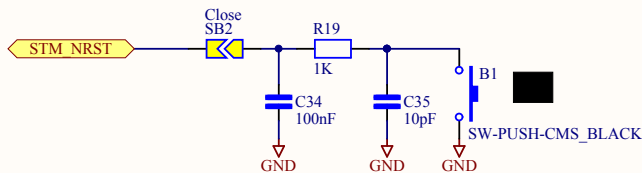


Designed by DiZiC

Title: <b>Arduino Uno connector</b>		
Project:		
Size: <b>A4</b>	Reference: <b>MB1297</b>	Revision: <b>C</b>
Date: <b>12/16/2016</b>	Sheet: <b>9</b> of <b>11</b>	

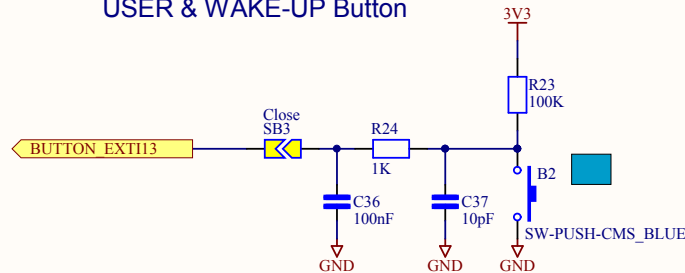


## RESET BUTTON



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

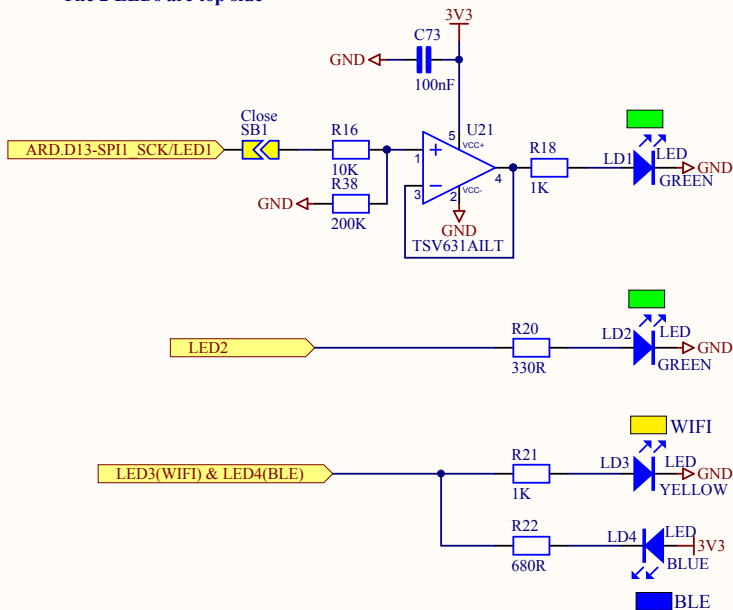
## USER & WAKE-UP Button



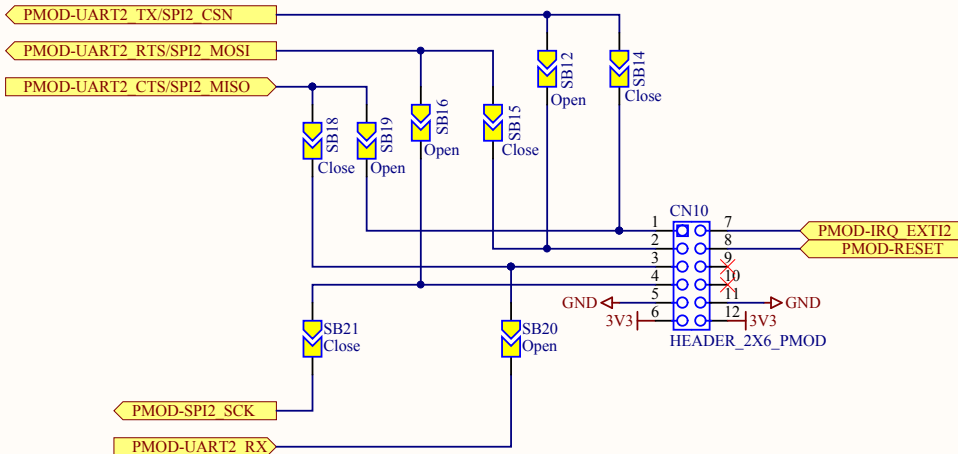
100nF should be place close to the MCU  
10pF and 1K should be place close to the button

## USER LED


The 2 LEDs are top side



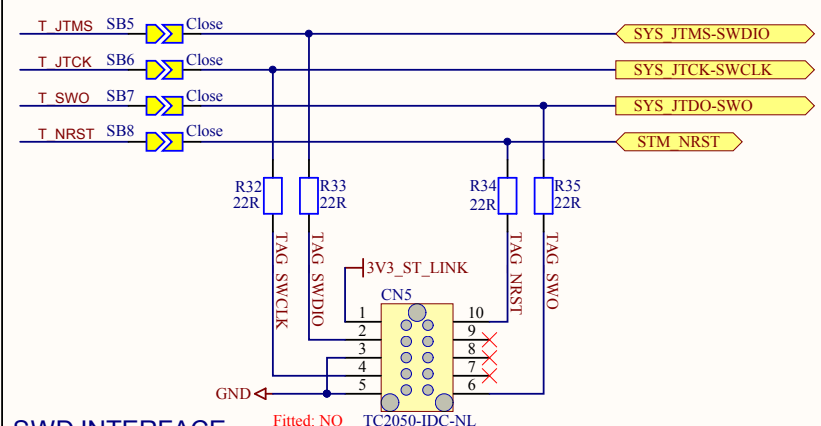
## PMOD



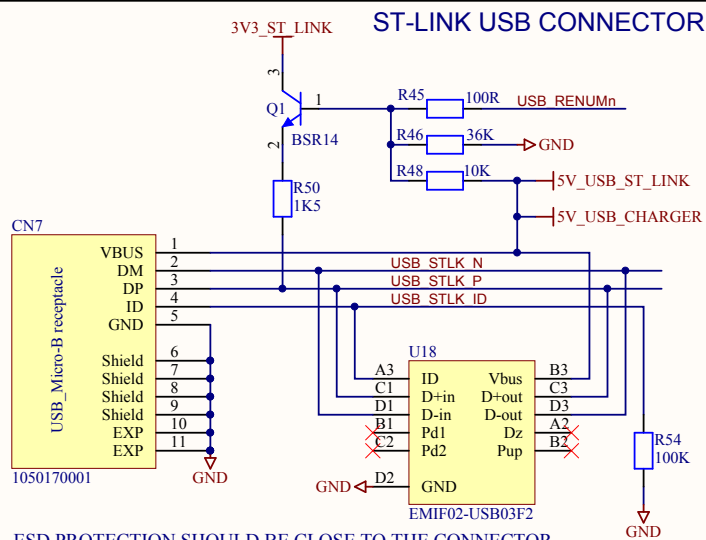
Designed by DiZiC

Title: <b>Peripherals</b>			 life.augmented
Project:			
Size: <b>A4</b>	Reference: <b>MB1297</b>	Revision: <b>C</b>	
Date: <b>12/16/2016</b>		Sheet: <b>10 of 11</b>	

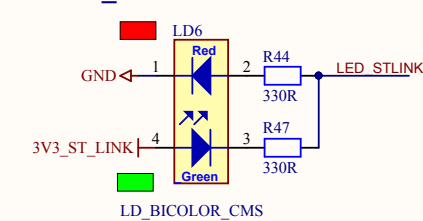




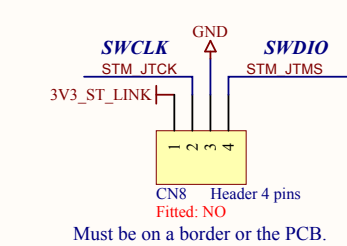
**SWD INTERFACE**      Fitted: NO    TC2050-IDC-NL      *Only footprint with Cable: TC2050-IDC-NL*



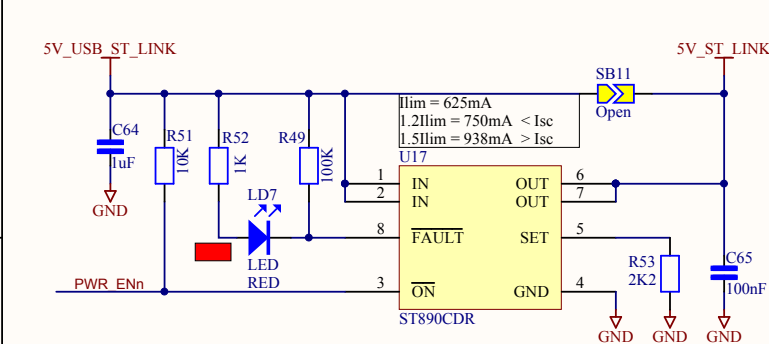
STLINK LED




## ST-LINK DEBUG



## ST LINK USB Power switch 5V / 1.2A



Designed by DiZiC

Title: <b>ST-LINK/V2-1 with support of SWD only</b>			 life.augmented
Project:			
Size: A4	Reference: MB1297	Revision: C	
Date: 12/16/2016		Sheet: 11 of 11	



