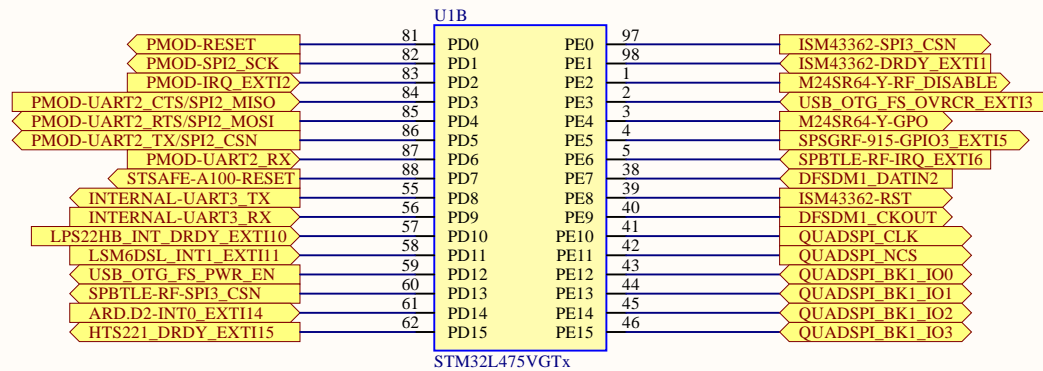
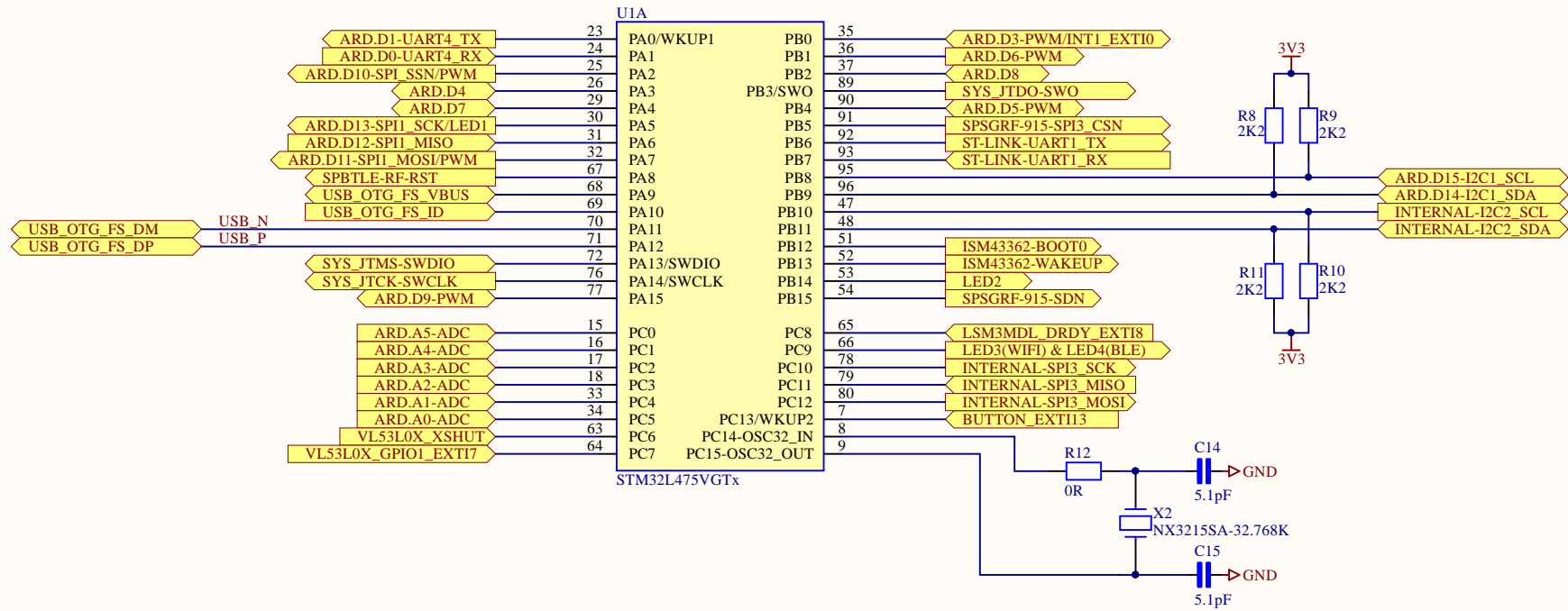
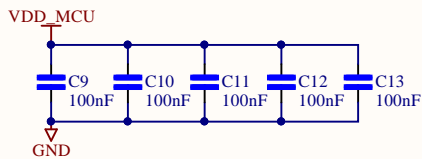
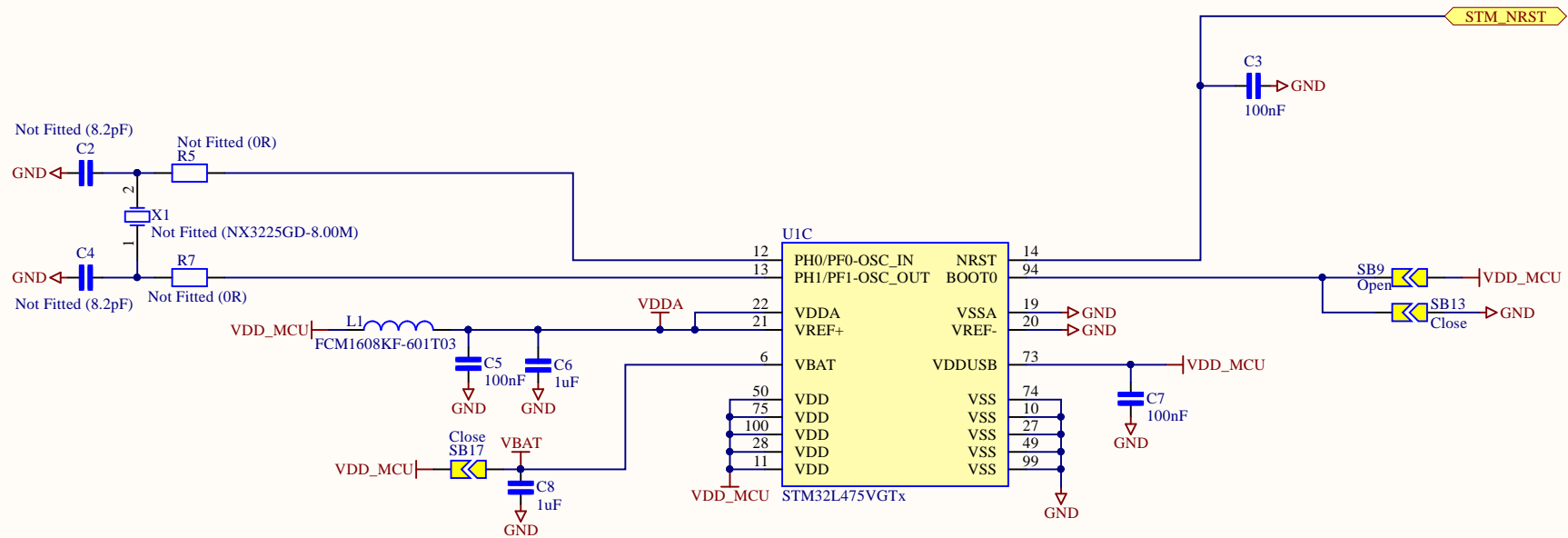
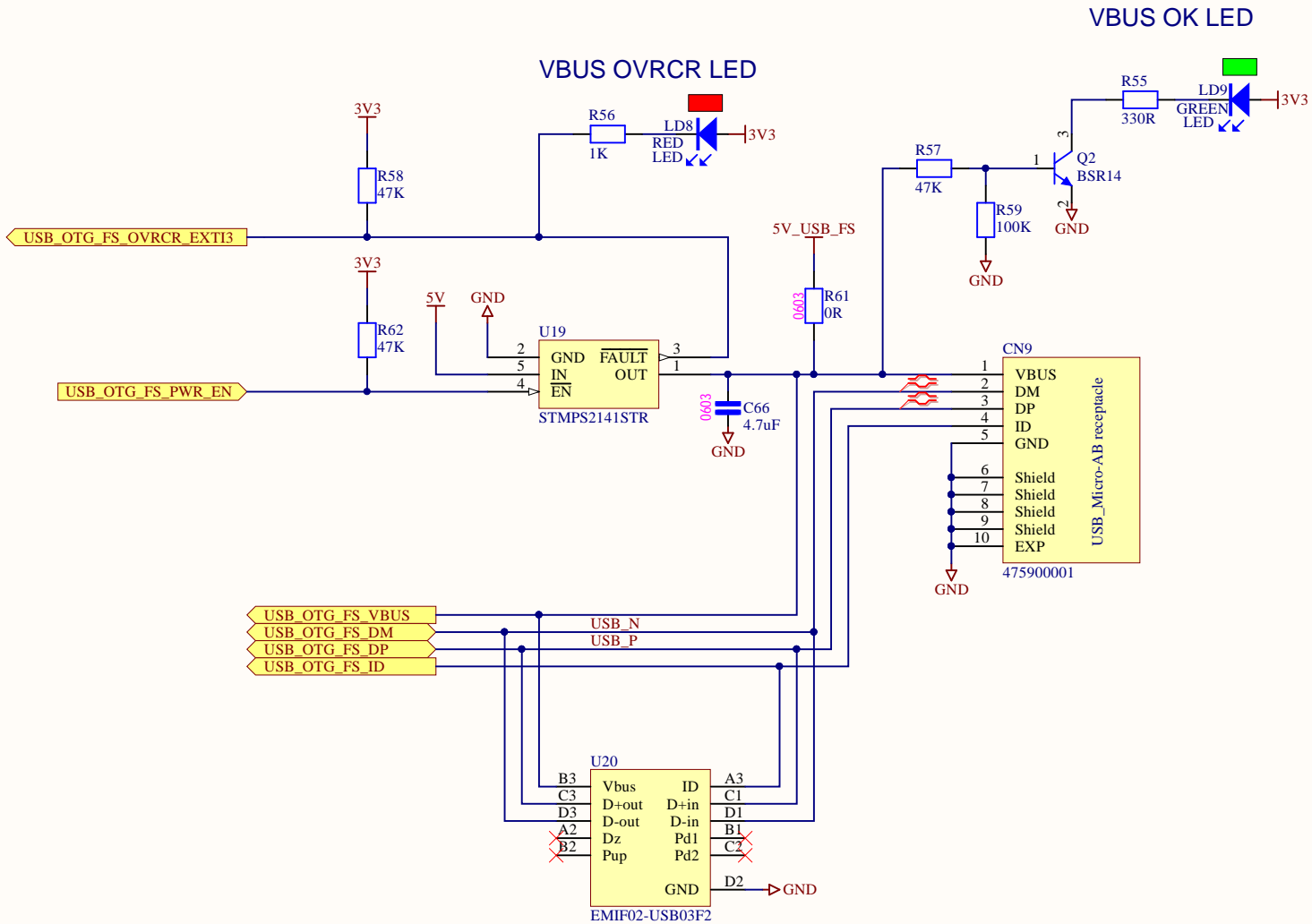


Title: IOT Node Discovery Kit		
Project: Project		
Size: A4	Reference: MB1297	Revision: D
Date: 29/01/2017	Sheet: 1 of 11	





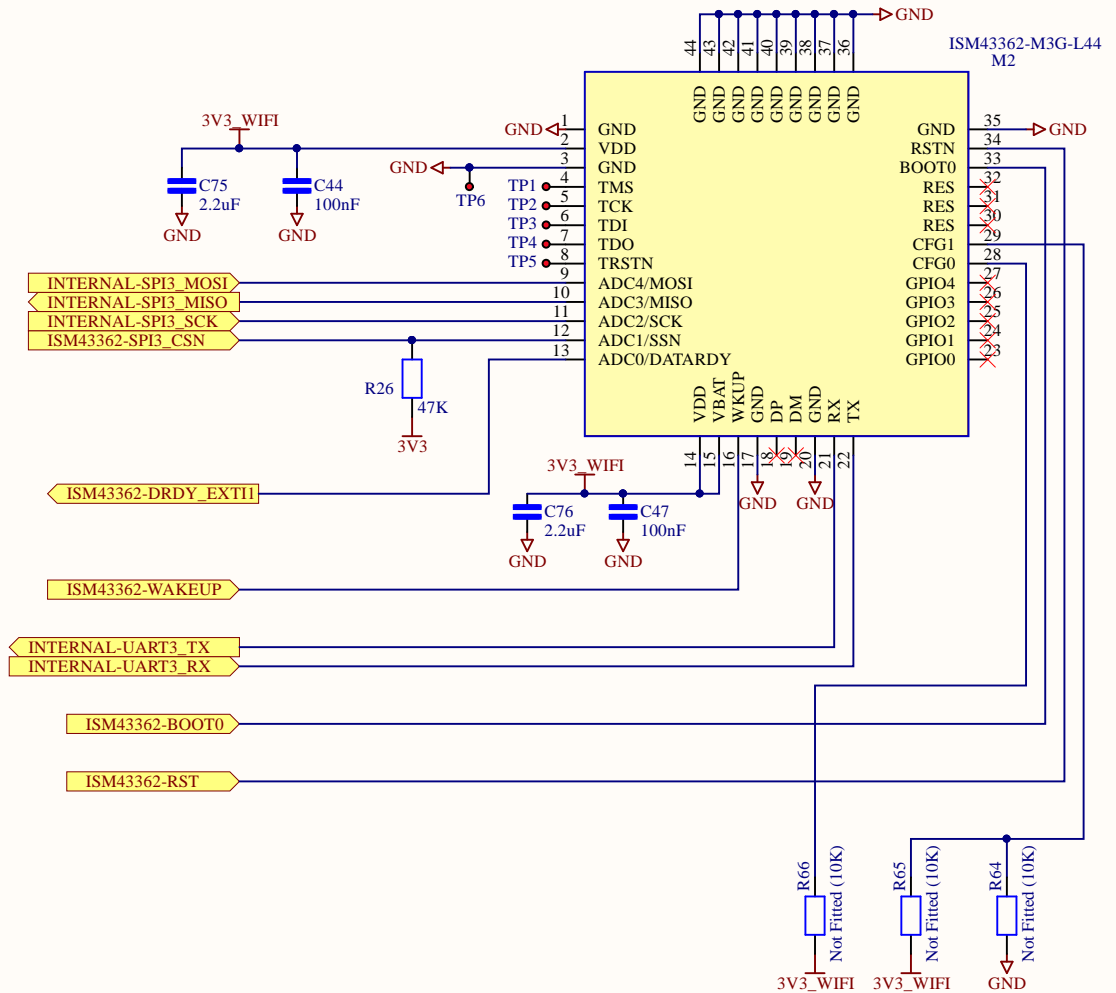
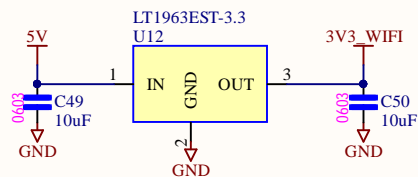
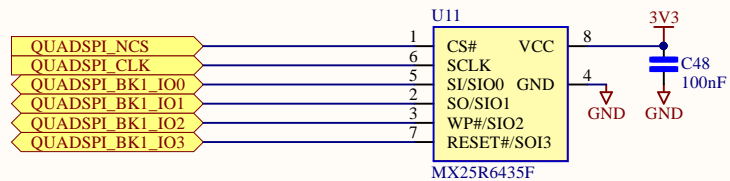
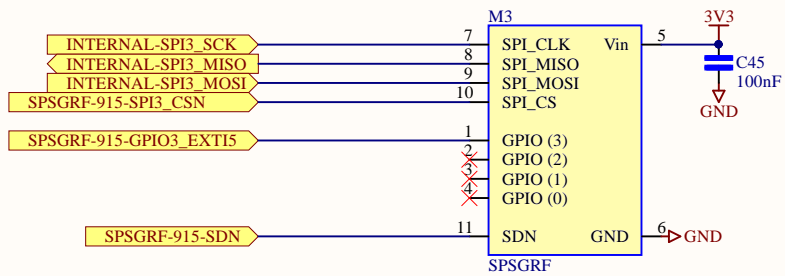
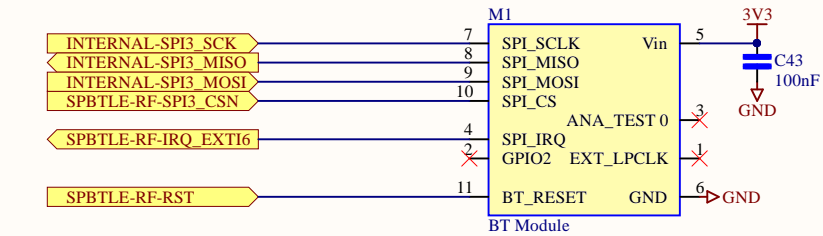




ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

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

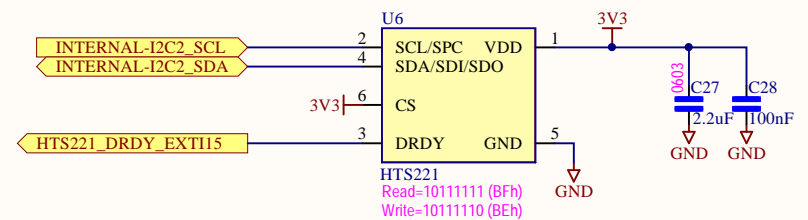
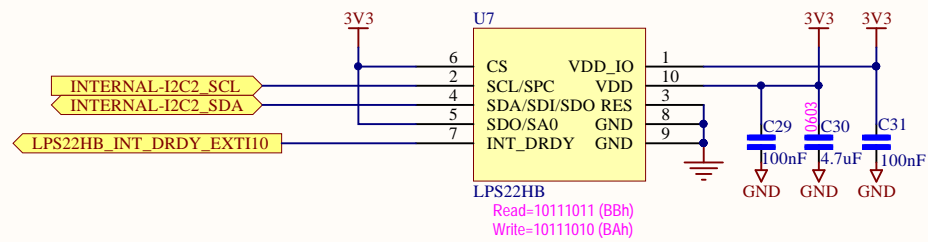
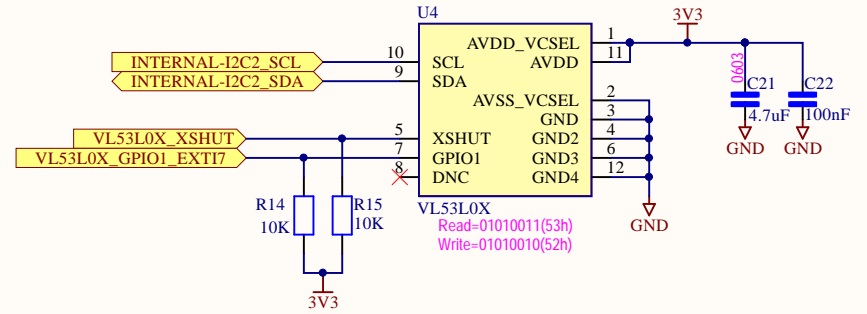
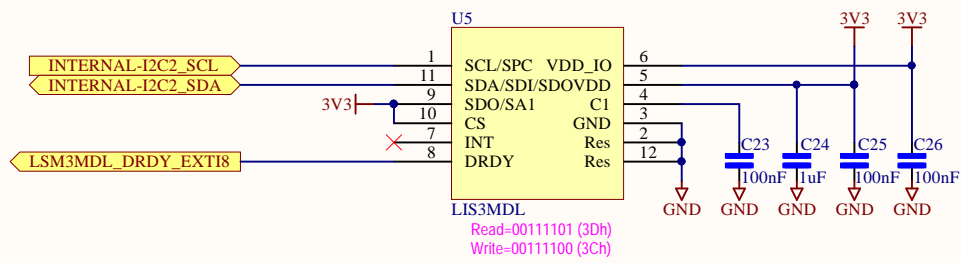
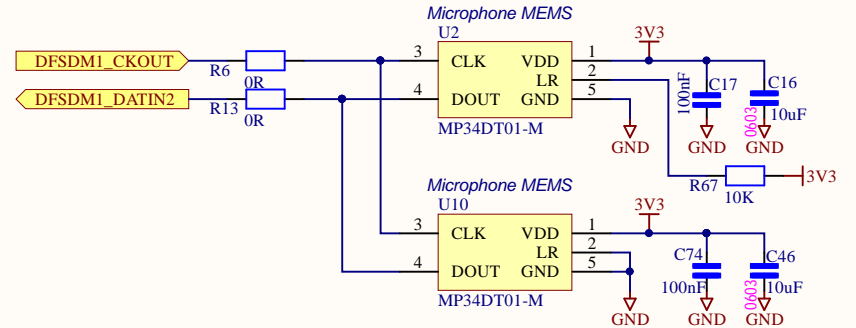
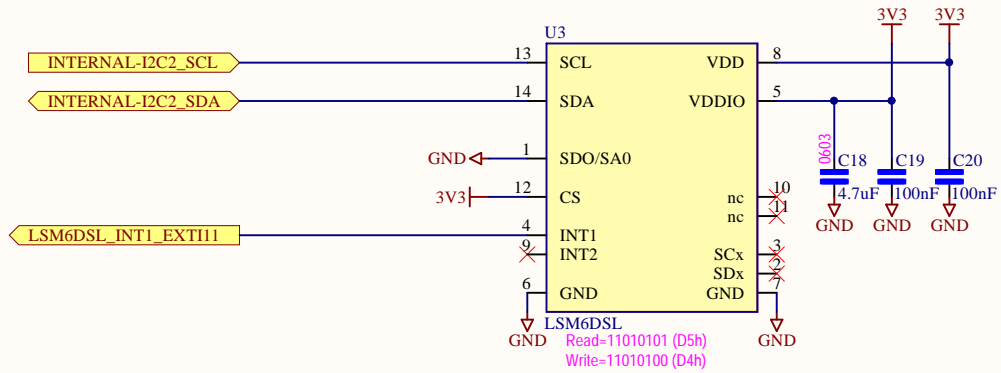


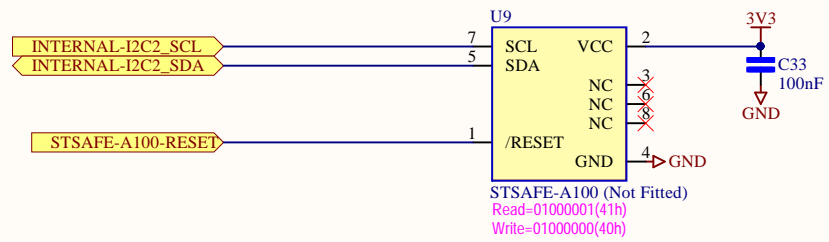
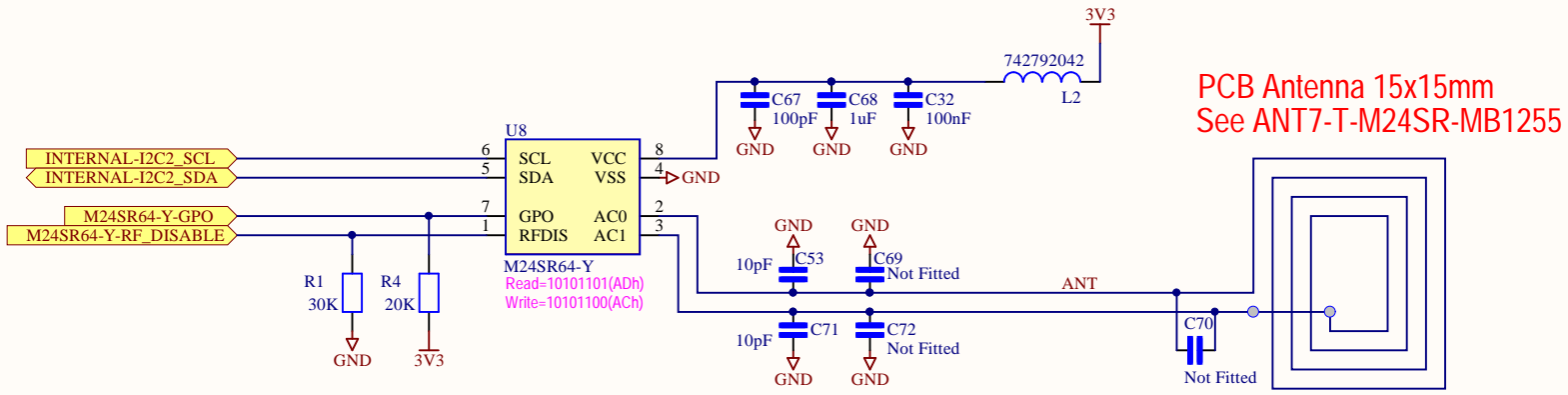


Designed by DiZiC

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

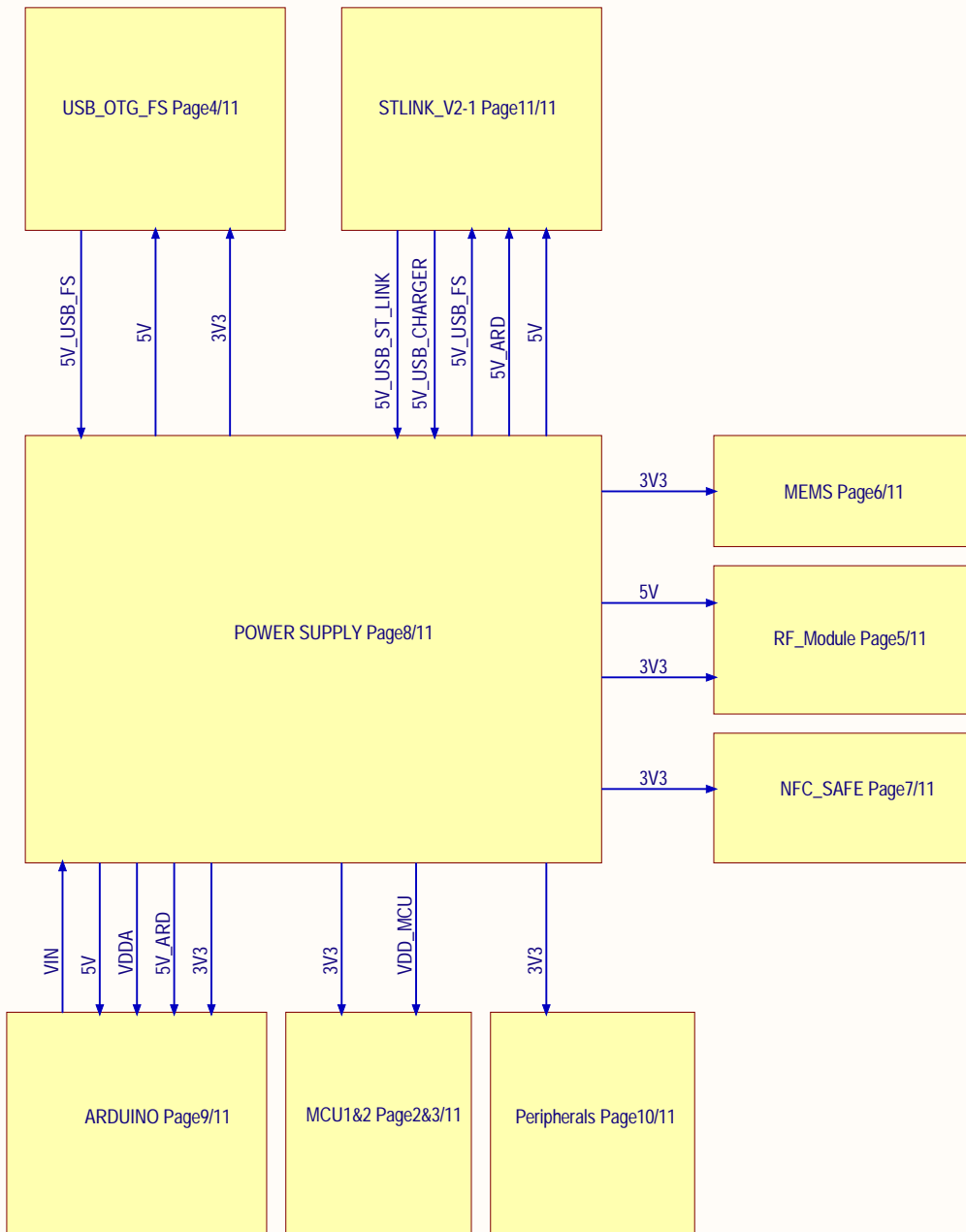




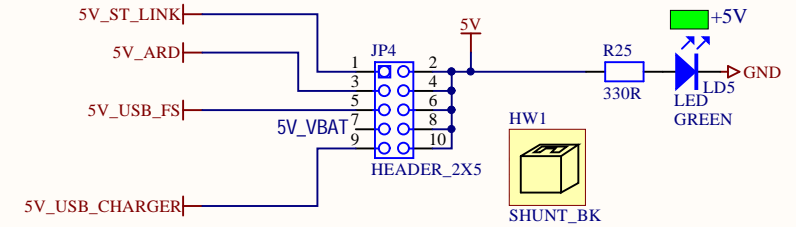


Title: NFC & ST-SAFE Part		
Project:		
Size: A4	Reference: MB1297	Revision: D
Date: 12/03/2017	Sheet: 7 of 11	

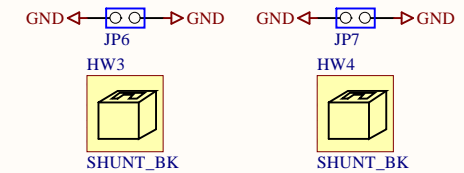




### 5V PWR SELECTION FROM EXTERNAL SOURCES

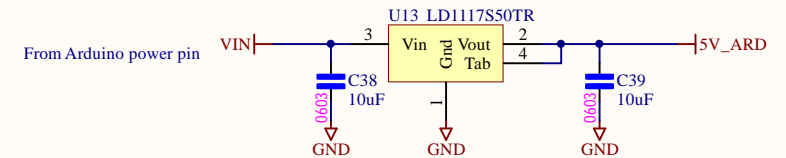


### GND PROBE



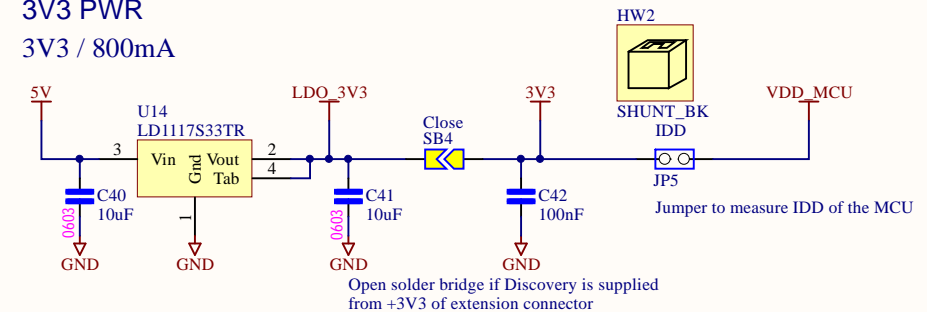
### 5V INPUT PWR FROM ARDUINO

5V / 800mA




### 3V3 PWR

3V3 / 800mA



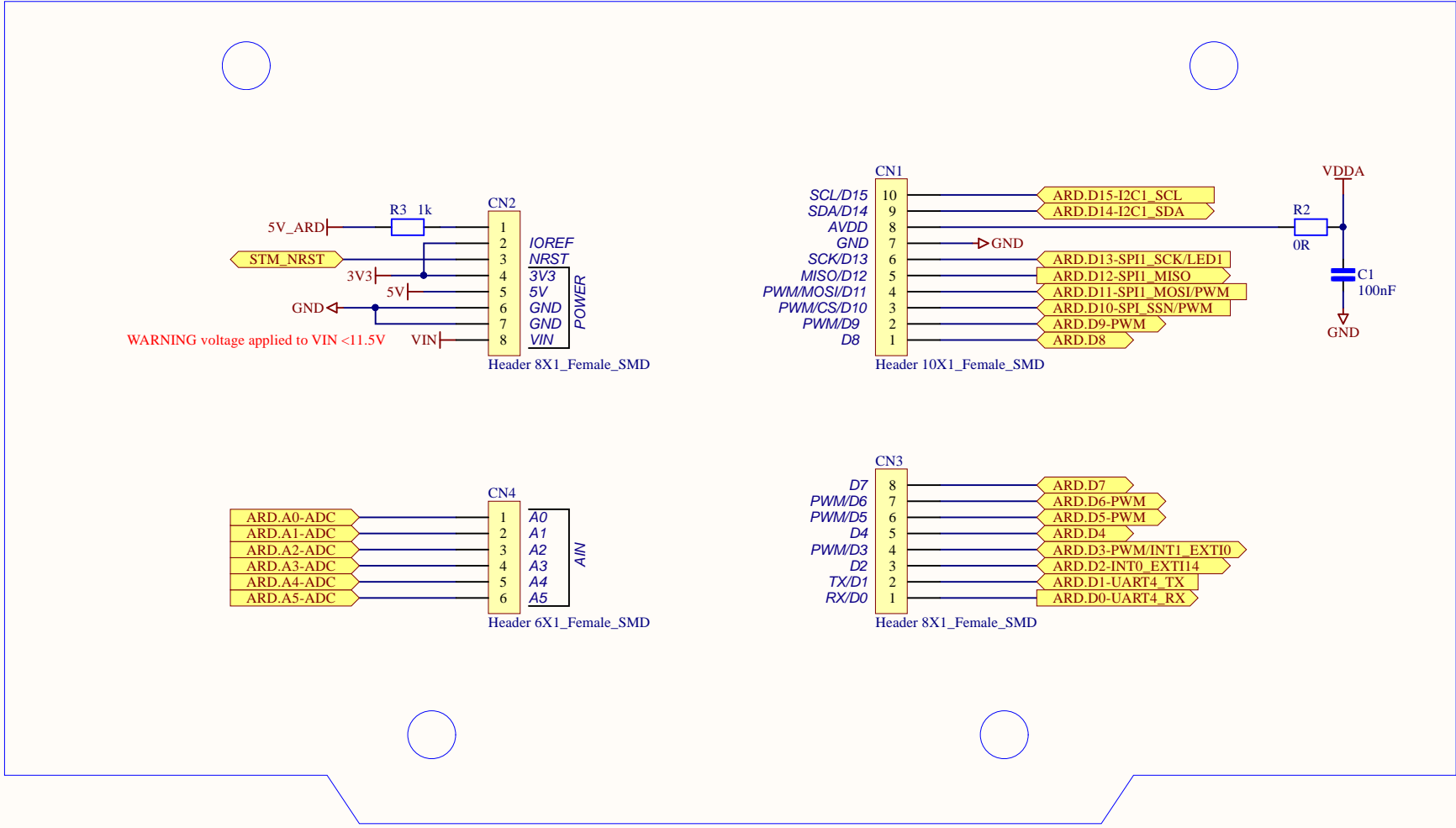
Designed by DiZiC

Title: <b>POWER SUPPLY</b>		
Project:		
Size: A4	Reference: MB1297	Revision: D
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# ARDUINO UNO connector

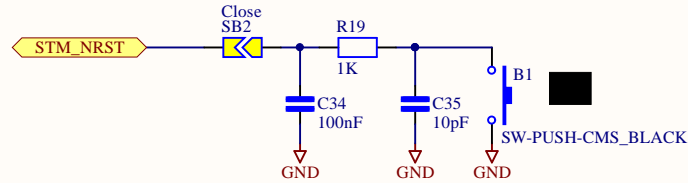


Designed by DiZiC

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

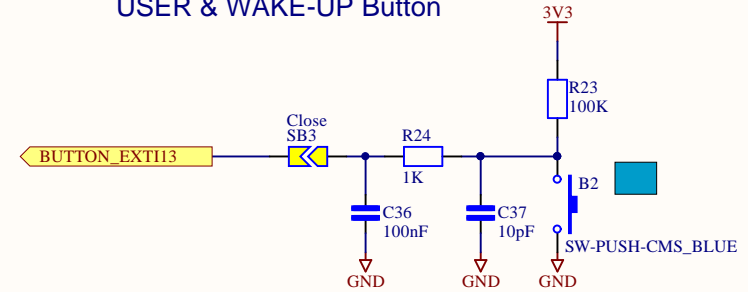


## RESET BUTTON



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

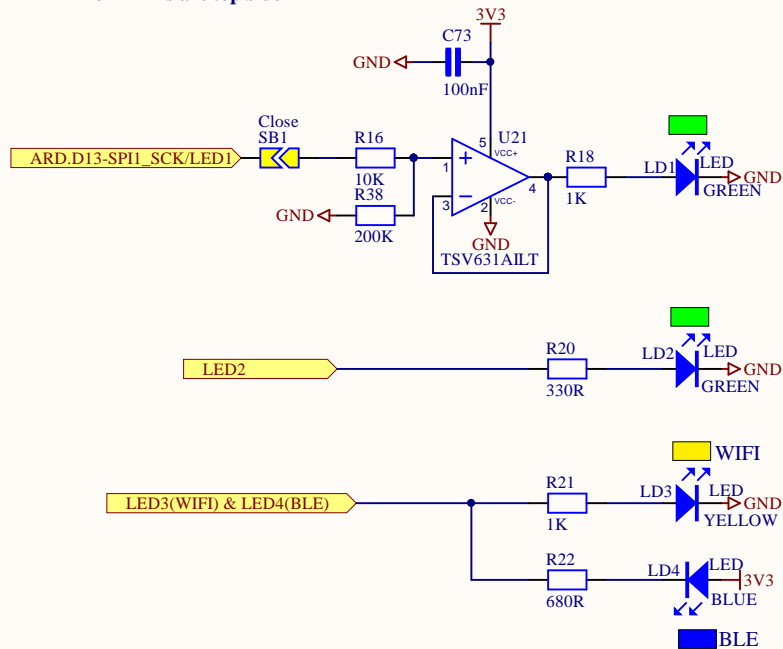
## USER & WAKE-UP Button



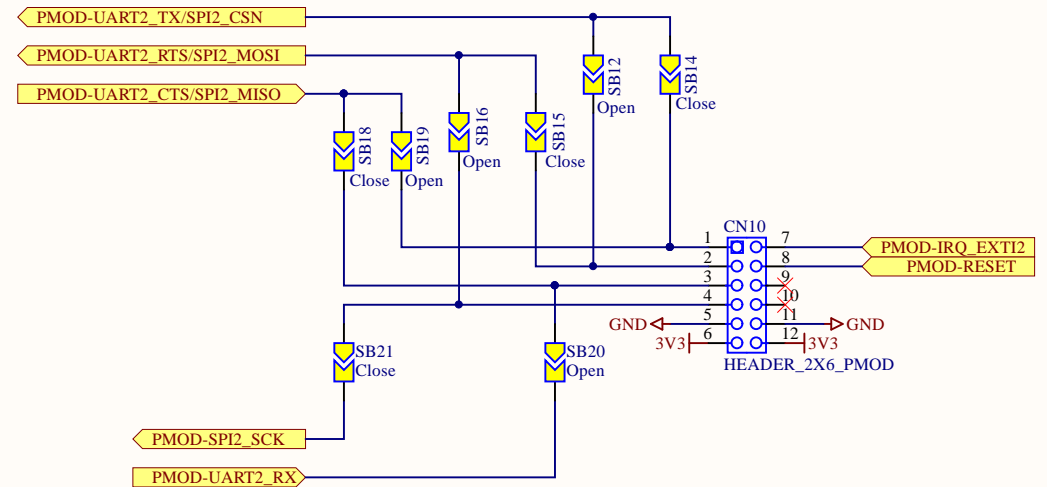
100nF should be place close to the MCU  
10pF and 1K should be place close to the button

## USER LED

The 2 LEDs are top side



## PMOD

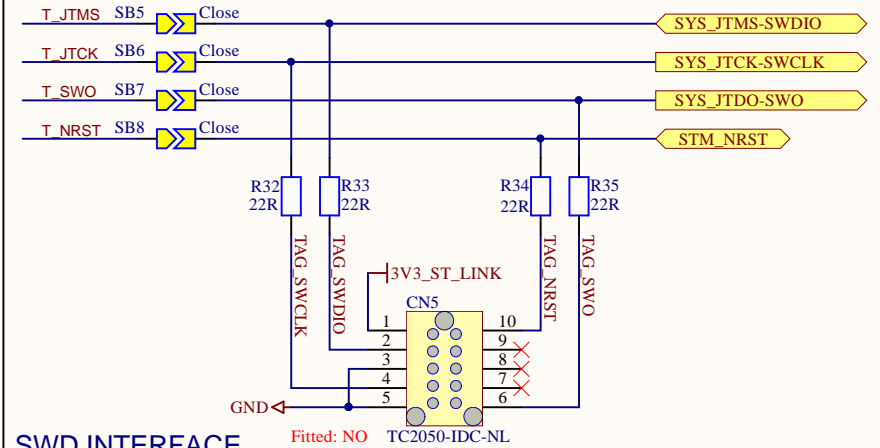
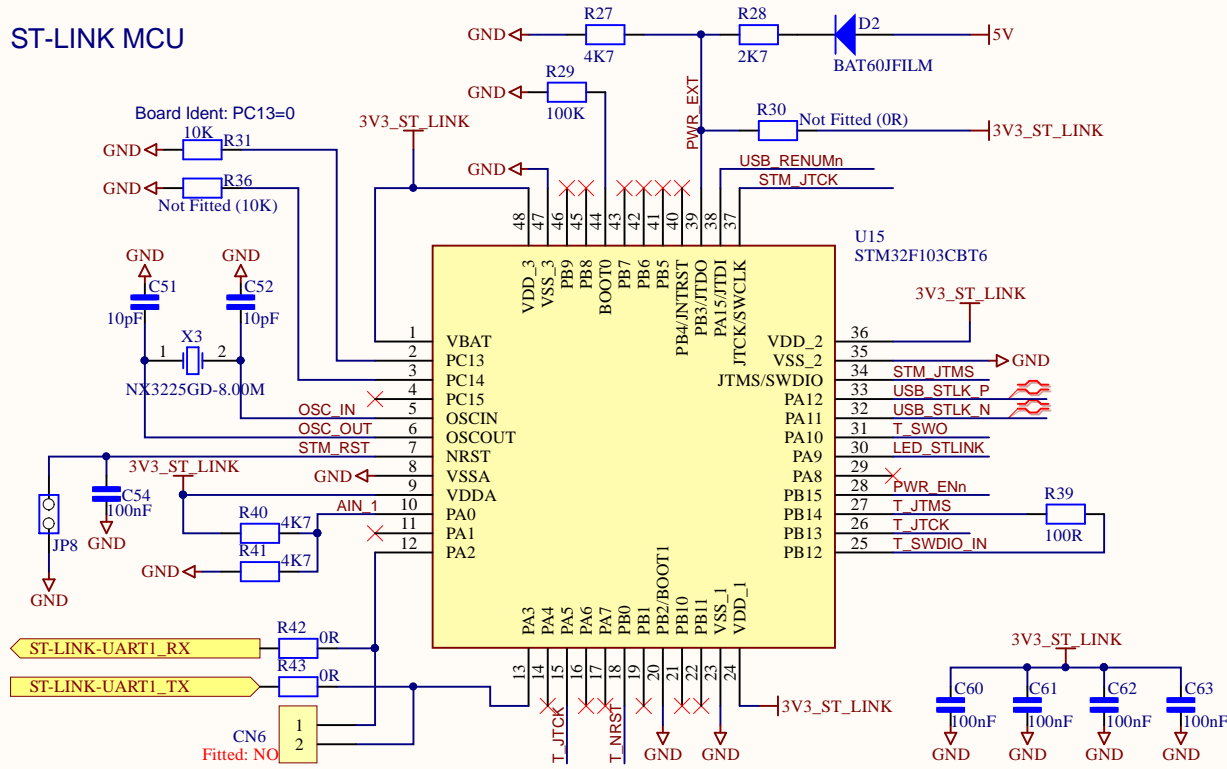


Designed by DiZiC

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



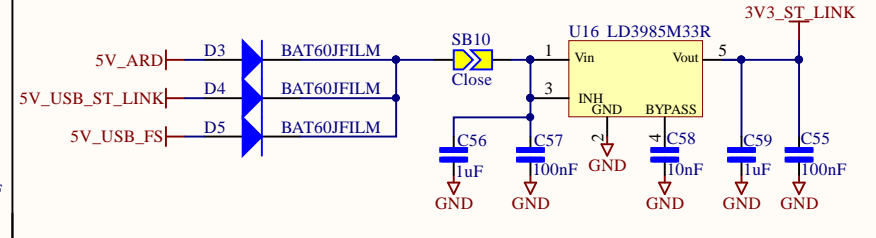
# ST-LINK MCU



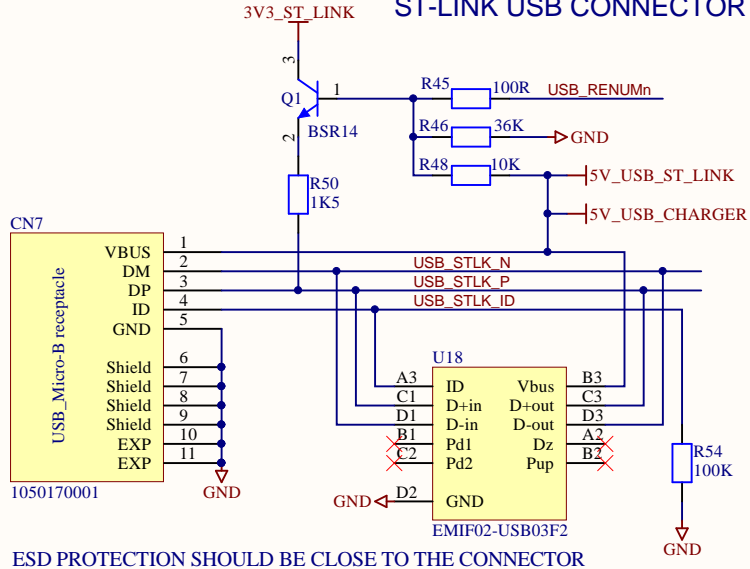
## SWD INTERFACE

Only footprint with Cable: TC2050-IDC-NL

## ST-LINK POWER 3V3 / 150mA

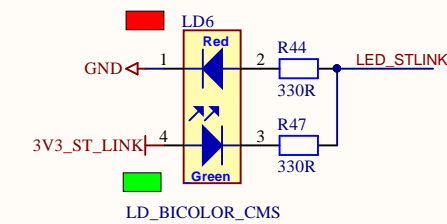


## ST-LINK USB CONNECTOR

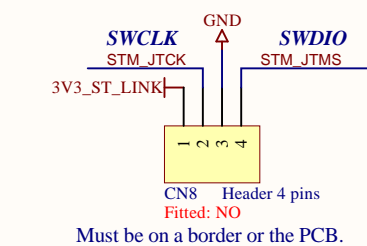


ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

## STLINK\_LED

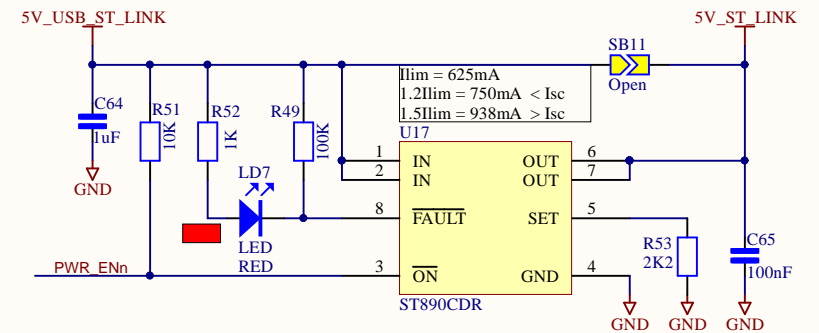


## ST-LINK DEBUG



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	

