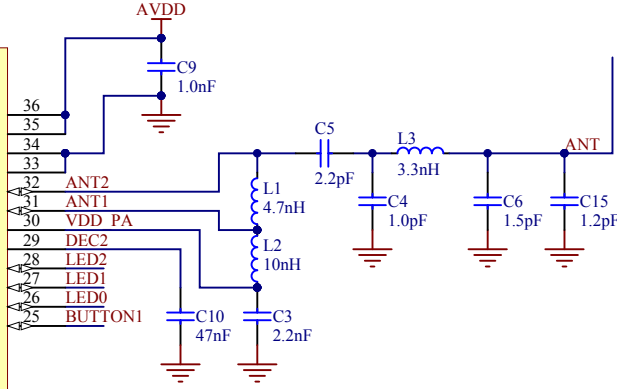
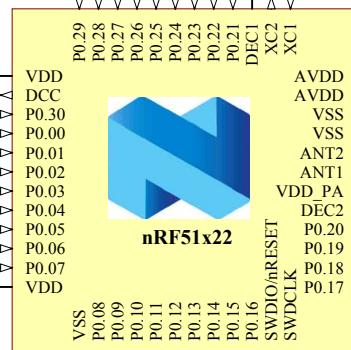
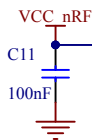
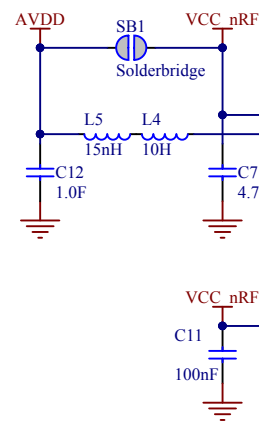
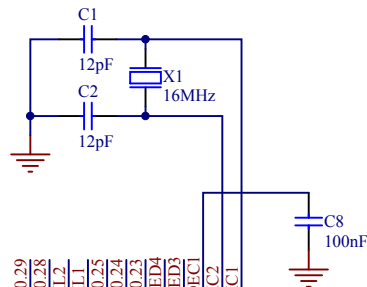
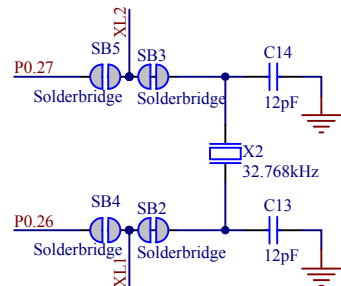


VCC NRF  
GND

P0.00	P0.00
P0.01	P0.01
P0.02	P0.02
P0.03	P0.03
P0.04	P0.04
P0.05	P0.05
P0.06	P0.06
P0.07	P0.07
P0.08	P0.08
P0.09	P0.09
P0.10	P0.10
P0.11	P0.11
P0.12	P0.12
P0.13	P0.13
P0.14	P0.14
P0.15	P0.15
P0.16	BUTTON0
P0.17	BUTTON1
P0.18	LED0
P0.19	LED1
P0.20	LED2
P0.21	LED3
P0.22	LED4
P0.23	P0.23
P0.24	P0.24
P0.25	P0.25
P0.26	P0.26
P0.27	P0.27
P0.28	P0.28
P0.29	P0.29
P0.30	P0.30

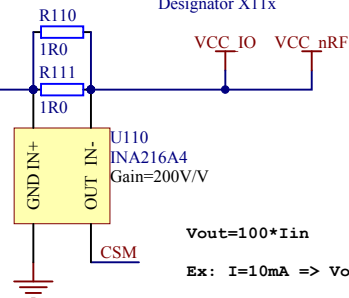
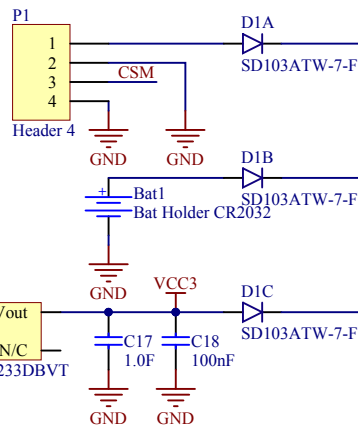
SWDIO SWCLK  
SWCLK



Title nRF51x22 circuit		Revision 2.0.0	
Size A4	Project Number 4393		
Date: 2013/10/21		Sheet 1 of 3	
File: nrf51x22.SchDoc		Drawn By: RUBR	

## X2:Current Shunt Monitor (CSM)

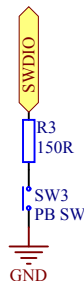
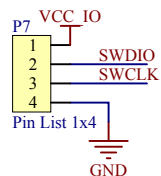
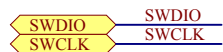
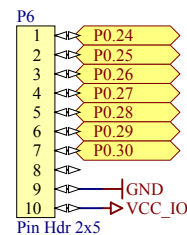
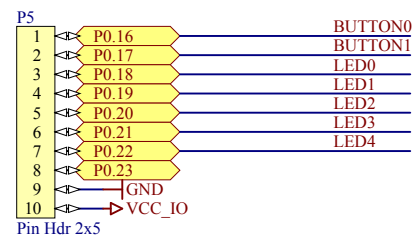
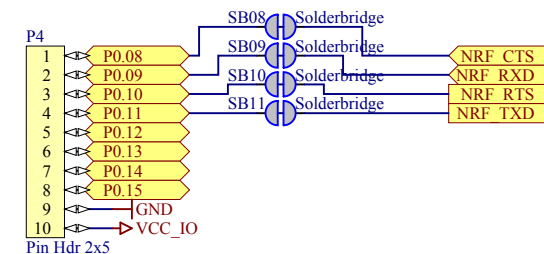
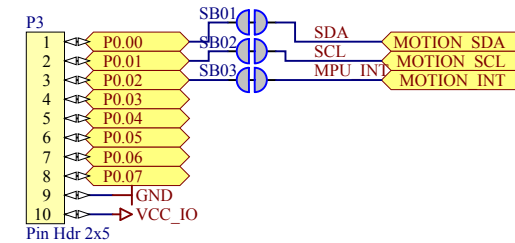
Designator X11x



$$V_{out} = 100 \cdot I_{in}$$

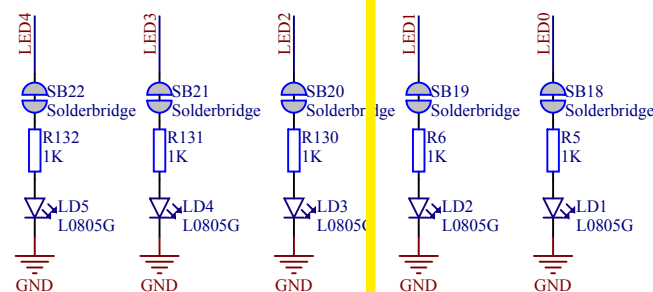
Ex:  $I = 10\text{mA} \Rightarrow V_{out} = 1.0\text{V}$

$$V_{drop, max @ 20\text{mA}} = 10\text{mV}$$



## More LED (UI)

Designator X13x



- H1 3mm,N.P
- H2 3mm,N.P
- H3 3mm,N.P
- H4 3mm,N.P



Title  
nRF51x22 EK Interfaces

Size  
A4

Project Number  
4393

Revision  
2.0.0

Date: 2013/10/21

Sheet 3 of 3

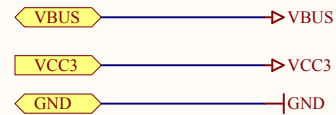
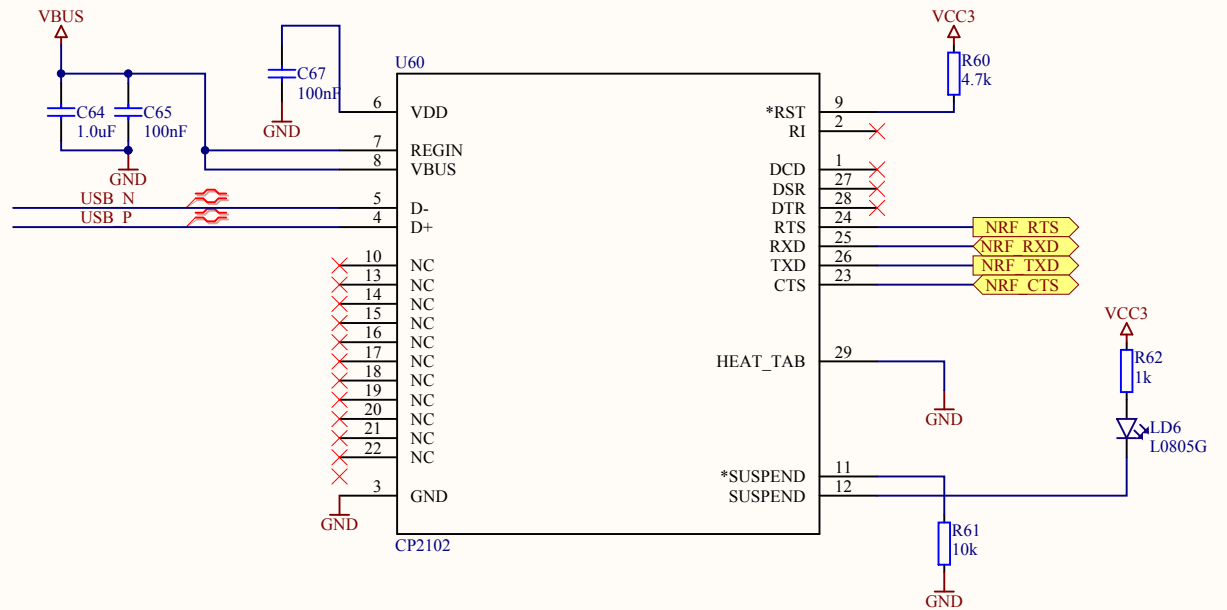
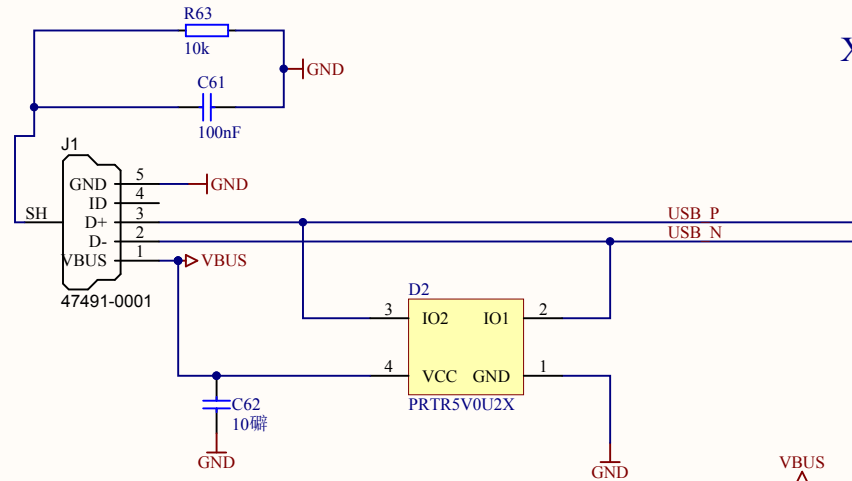
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Drawn By: RUBR

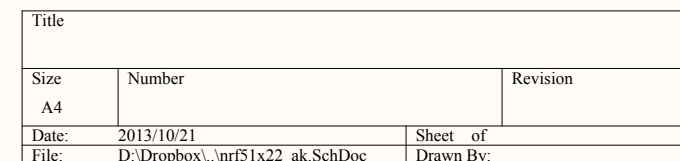
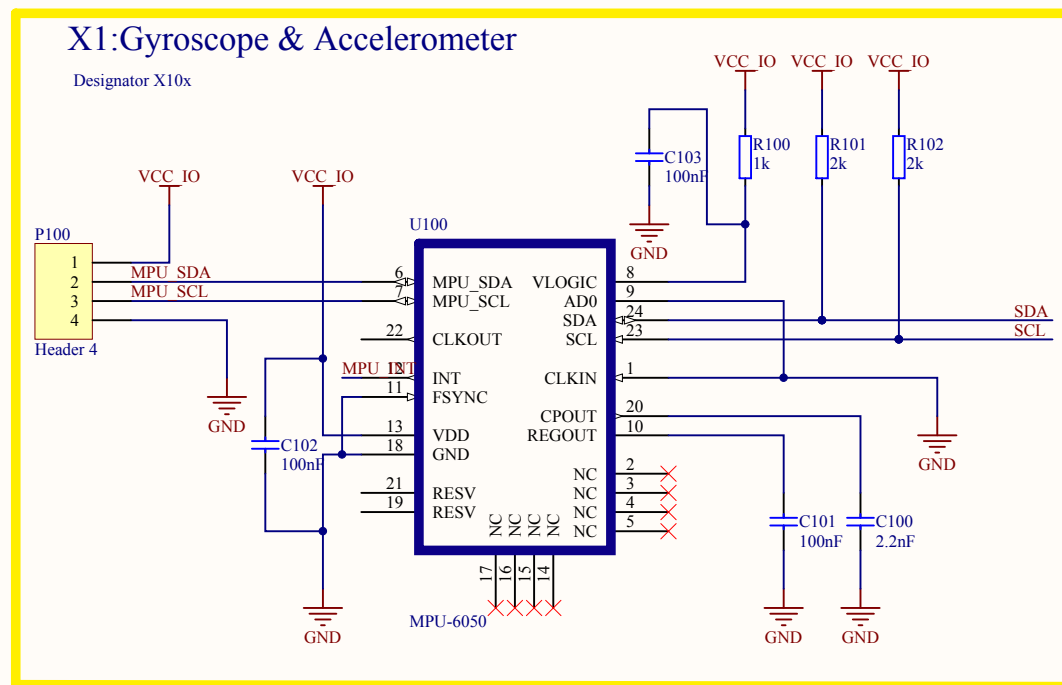


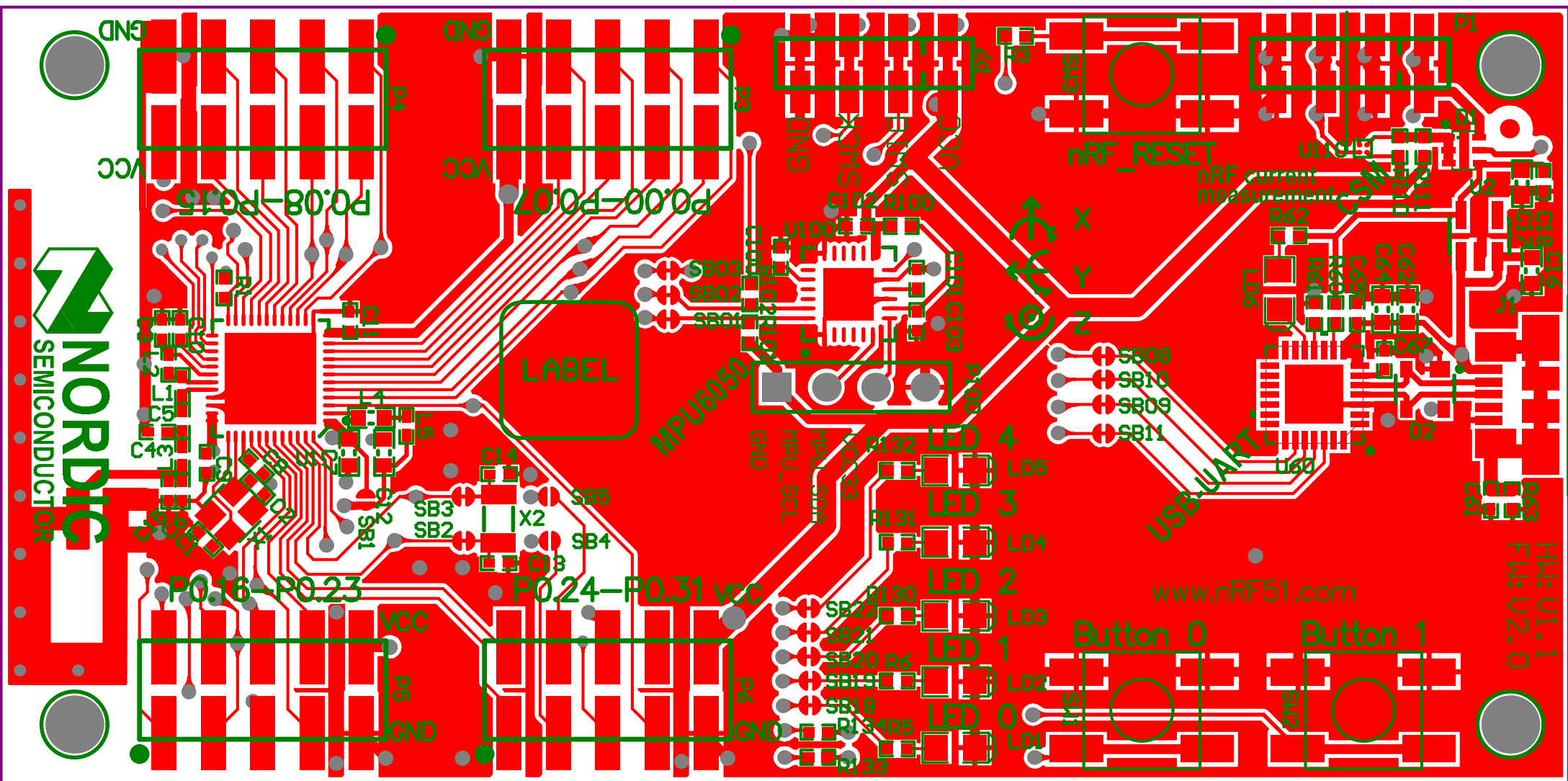
## X6: USB to UART

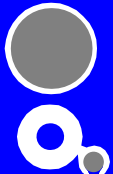
Designator X12x



Title		
Size	Number	Revision
A4		
Date:	2013/10/21	Sheet of
File:	D:\Dropbox\...\cp2102.SchDoc	Drawn By:







BATTERY(CR2032)

POWER

(+)

GND(-)

CP5105

TRAU

tion2

TRAU

OIPG

1339n

STD

H

ST9

80.09

DX9

H

DXT

80.09

RT9

H

CT9

01.109

IXT

H

IXD

11.109

WH

2not

noitnuF

GPID

tion0

Button 0

01.109

434

Button 1

01.109

2B1812

LED 0

01.109

2B1812

LED 1

01.109

2BS500

LED 5

05.09

2BS510

LED 8

00.51

2BS550

LED 4

00.55

