


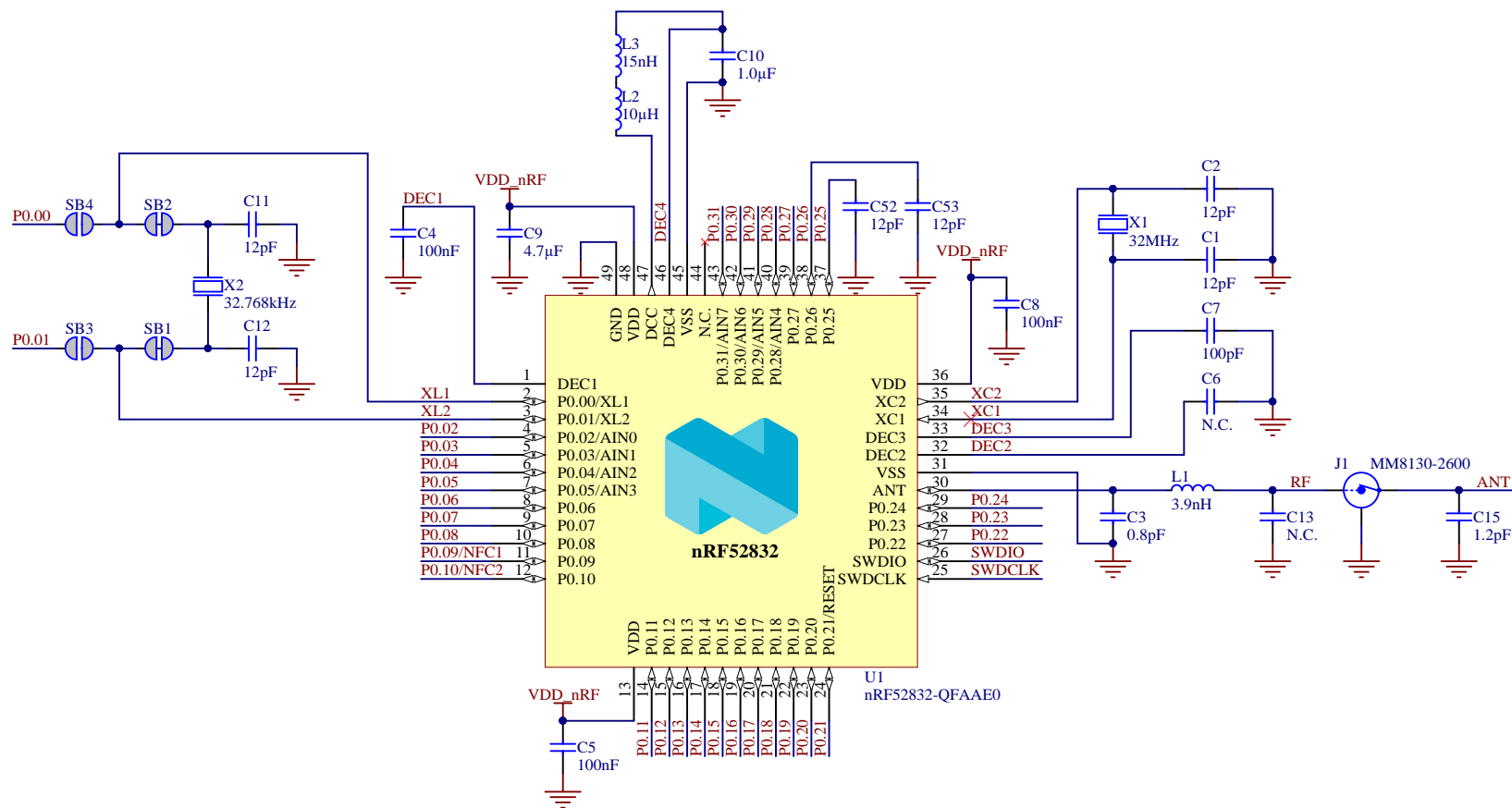
# Nordic Semiconductor ASA

## nRF52832 Bluetooth Smart/ANT/2.4GHz RF Development Board (PCA10040)

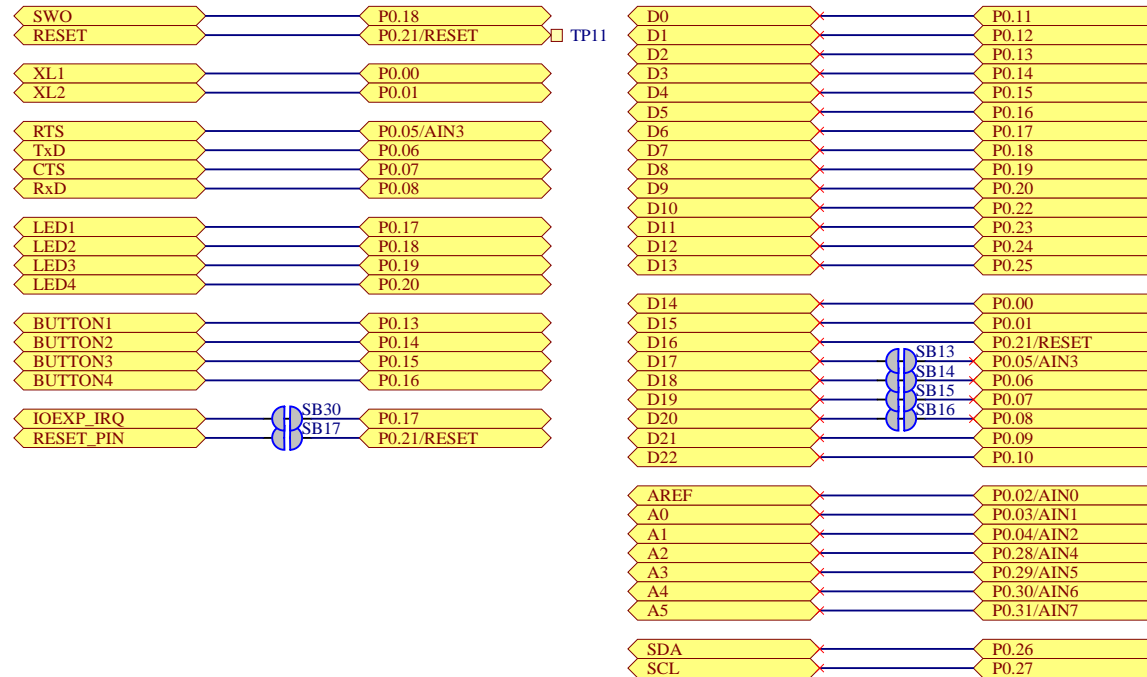
Sheet 1:	Cover
Sheet 2:	nRF Radio
Sheet 3:	Pin Map
Sheet 4:	Interface MCU
Sheet 5:	Buttons and LEDs
Sheet 6:	Connectors
Sheet 7:	Power Supply

✗ The No ERC object is a design directive.  
This directive is placed on a node in the circuit to suppress reported warnings and/or error violation conditions that are detected when the schematic project is compiled.

Cover			
Size A3	Project Number	Revision 2.1.0	
Date: 2019.10.24			Sheet 1 of 7
File: sheet1_cover.SchDoc			Drawn By: KJP/RUBR/GETR

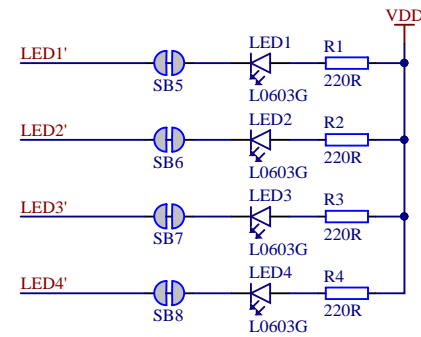
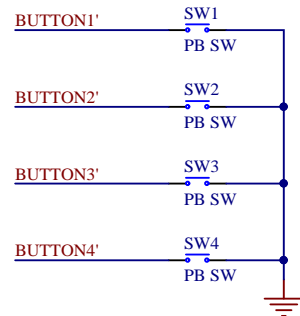
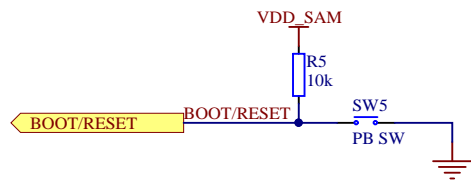


## GPIO pin mapping



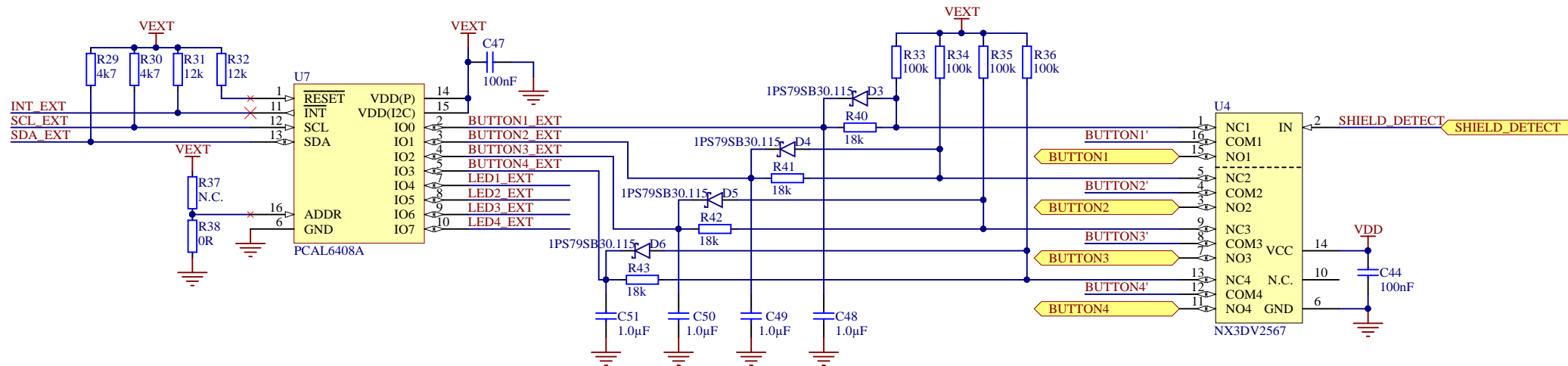


A



A

B



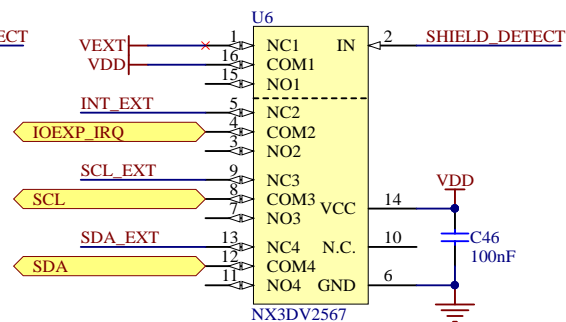
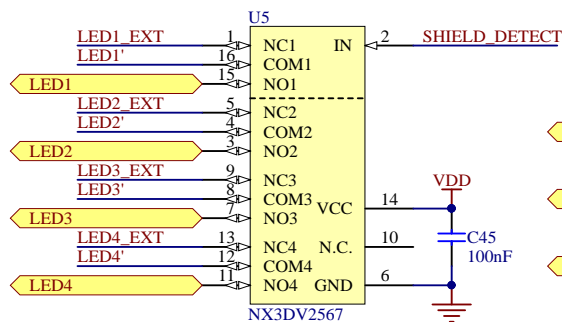
B

C

C

D

D



## Title Buttons and LEDs

Size  
A4

Project Number

Revision  
2.1.0

Date: 2019.10.24

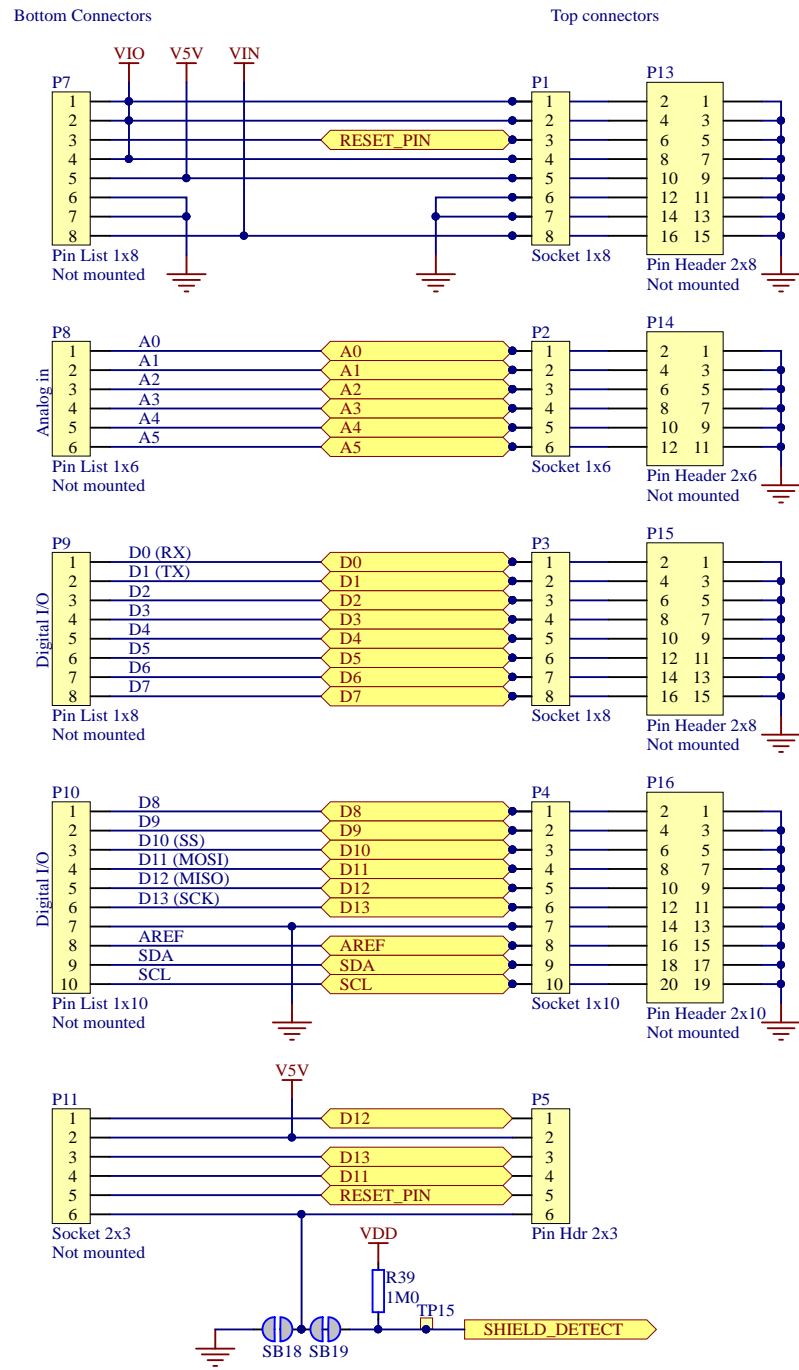
File: sheet5\_buttons\_and\_leds.SchDoc

Sheet 5 of 7

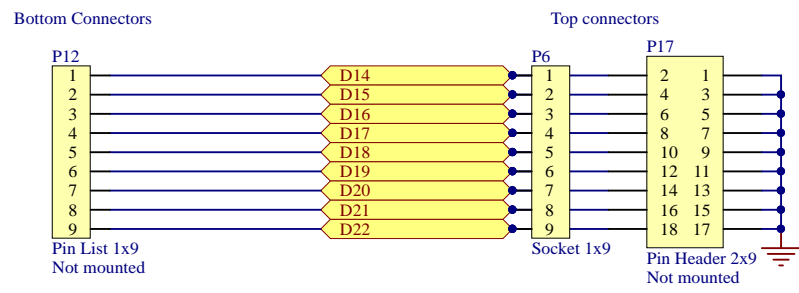
Drawn By: KJP/RUBR/GETR



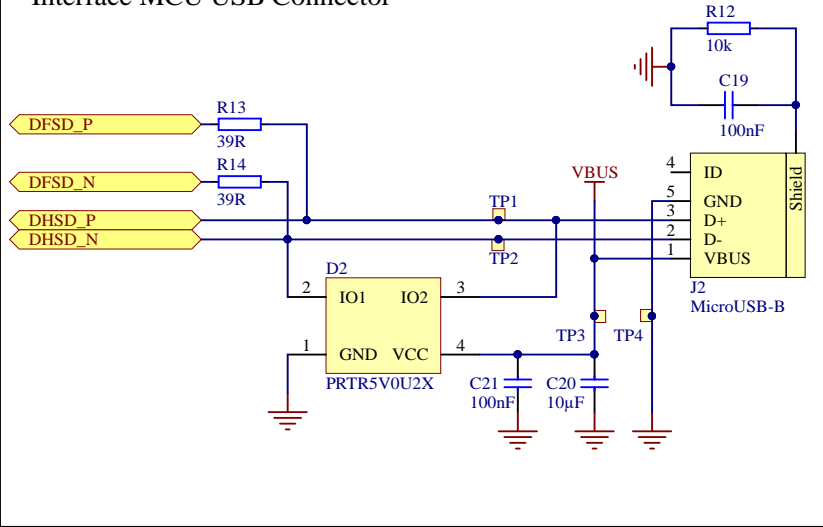
## Arduino Interface Connectors



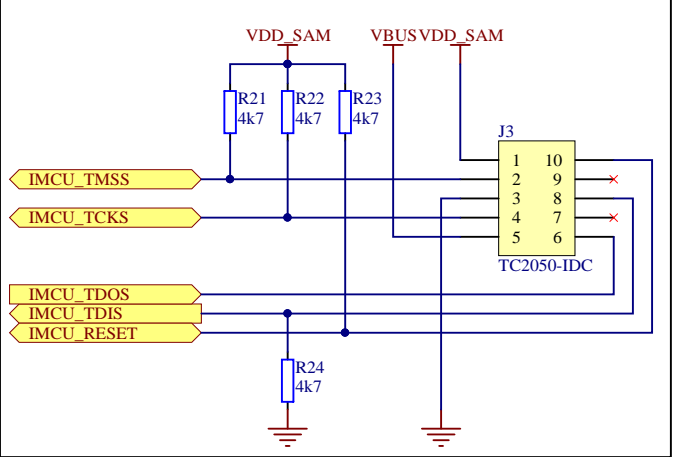
## Auxiliary Connectors



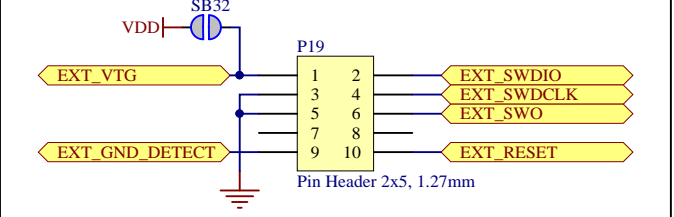
## Interface MCU USB Connector



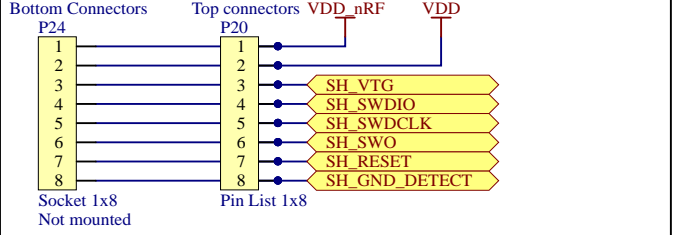
## Interface MCU Programming Connector



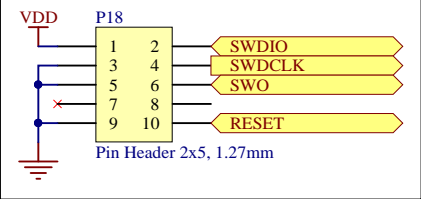
## Debug OUT Connector



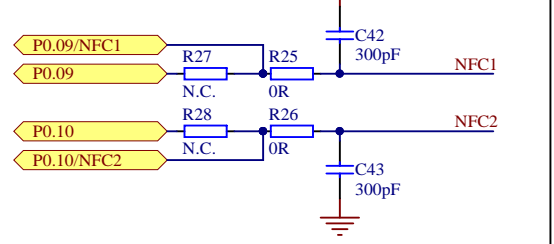
## Shield Debug and Current measurement Connector



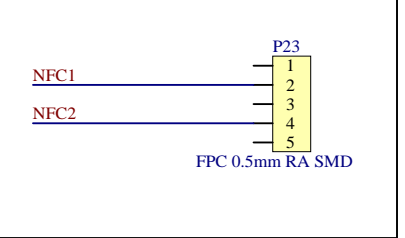
## Debug IN Connector



## NFC pin configuration

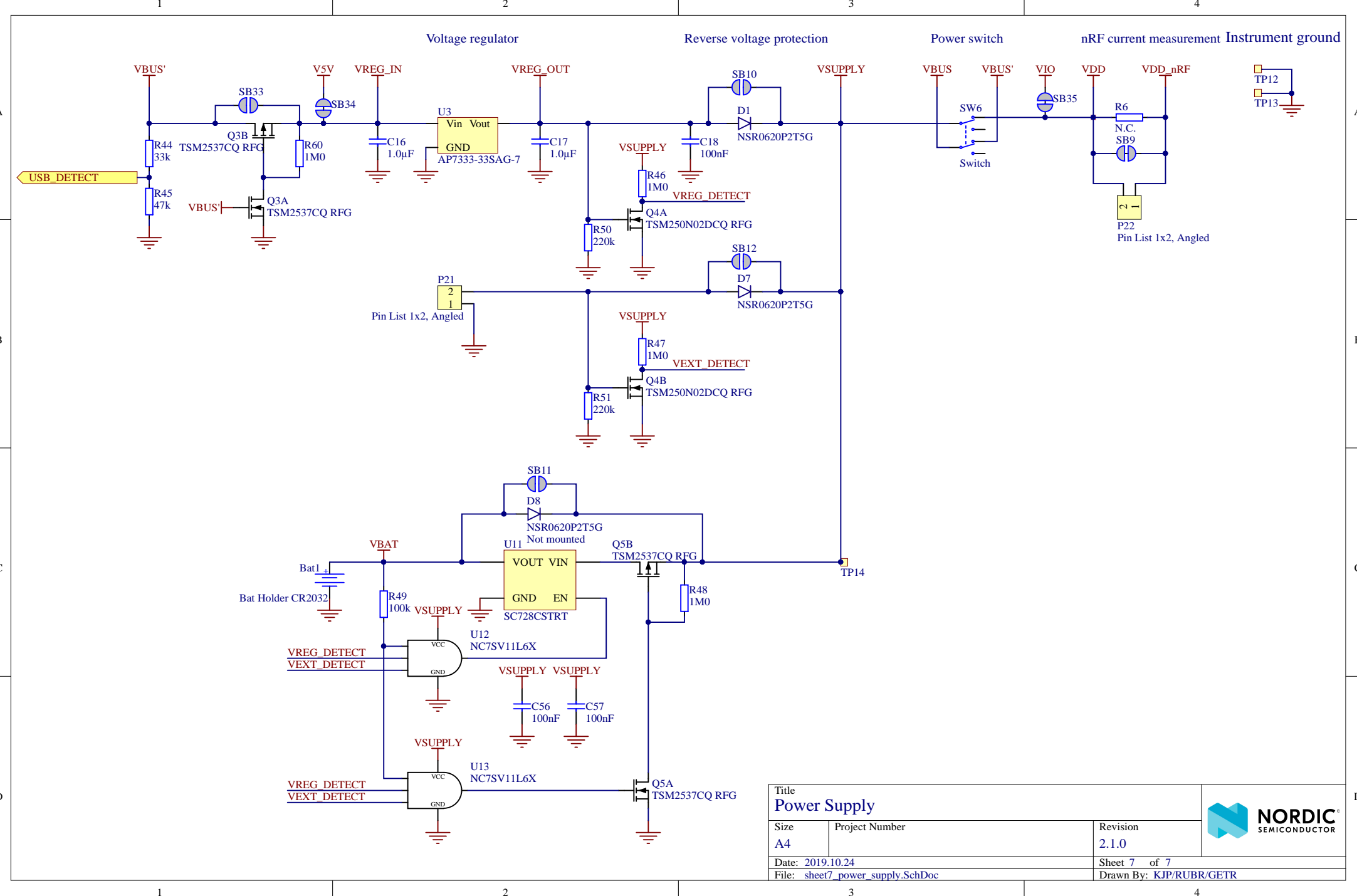



## NFCT Antenna Connector



## Connectors

Size A3	Project Number	Revision 2.1.0	
Date: 2019.10.24	Sheet 6 of 7	Drawn By: KJP/RUBR/GETR	
File: sheet6_connectors.SchDoc			



Title Power Supply			
Size A4	Project Number	Revision 2.1.0	
Date: 2019.10.24			Sheet 7 of 7
File: sheet7_power_supply.SchDoc			Drawn By: KJP/RUBR/GETR