


Nordic Semiconductor ASA

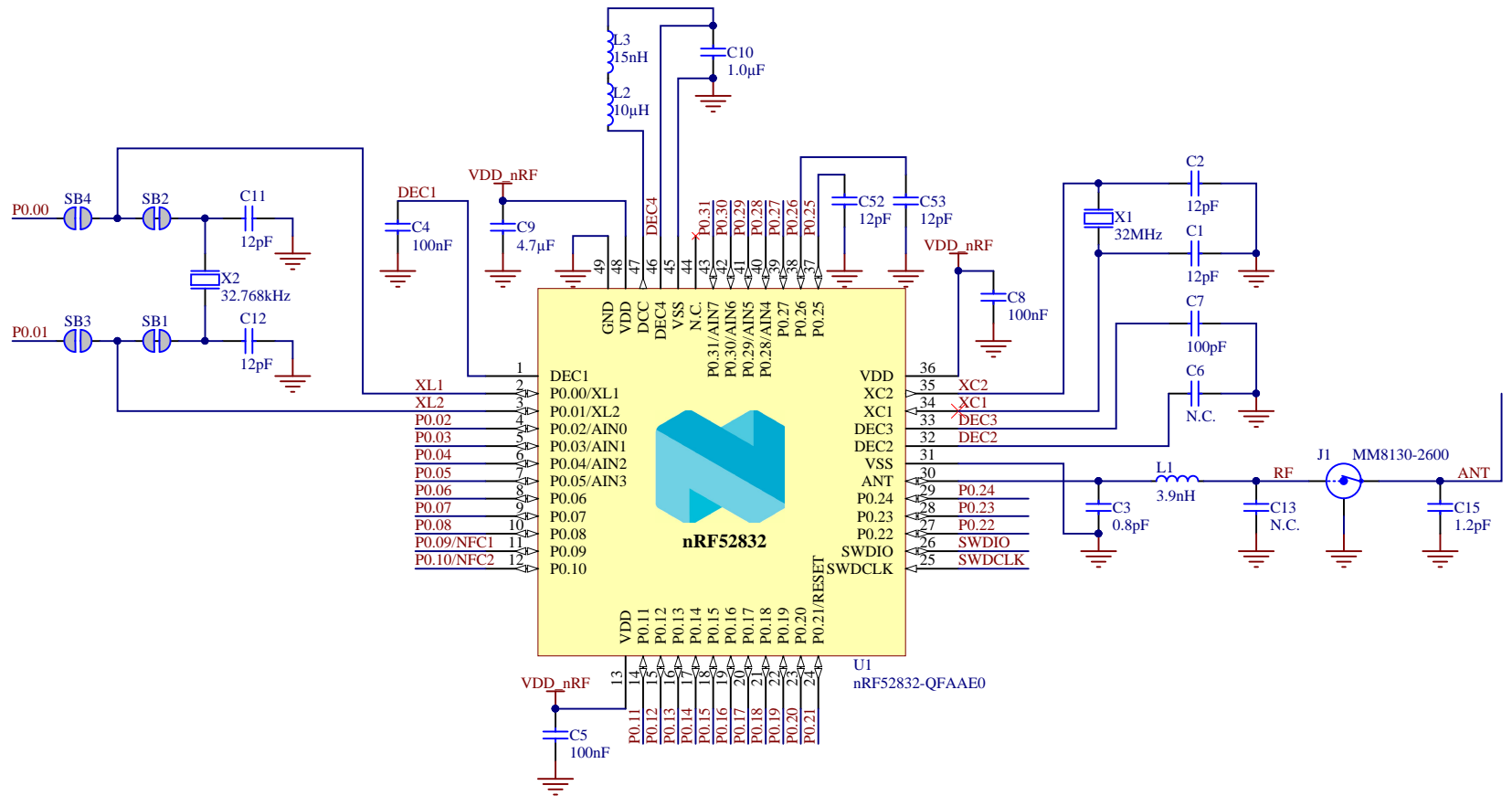
nRF52832 Bluetooth Smart/ANT/2.4GHz RF Development Board (PCA10040)


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	Project Number	Revision	
A3	4397	2.0.0	
Date: 11.02.2019		Sheet 1 of 7	
File: sheet1_cover.SchDoc		Drawn By: KJP/RUBR/GETR	

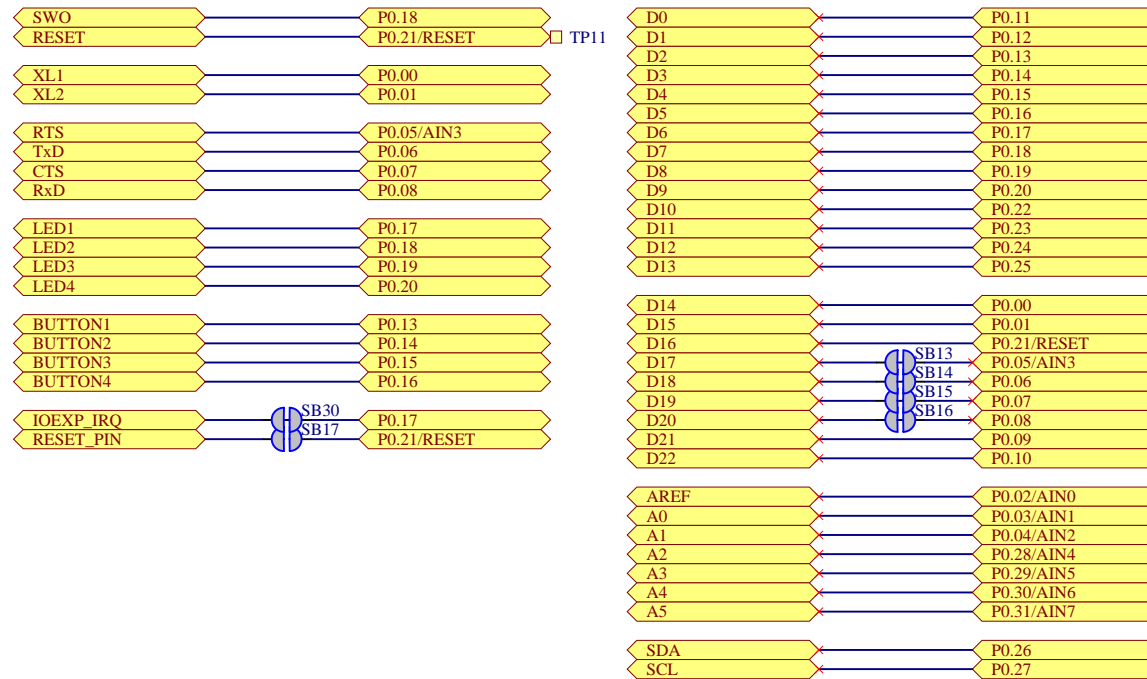
P0.00	P0.00
P0.01	P0.01
P0.02/AIN0	P0.02
P0.03/AIN1	P0.03
P0.04/AIN2	P0.04
P0.05/AIN3	P0.05
P0.06	P0.06
P0.07	P0.07
P0.08	P0.08
P0.09/NFC1	P0.09/NFC1
P0.10/NFC2	P0.10/NFC2
P0.11	P0.11
P0.12	P0.12
P0.13	P0.13
P0.14	P0.14
P0.15	P0.15
P0.16	P0.16
P0.17	P0.17
P0.18	P0.18
P0.19	P0.19
P0.20	P0.20
P0.21/RESET	P0.21
P0.22	P0.22
P0.23	P0.23
P0.24	P0.24
P0.25	P0.25
P0.26	P0.26
P0.27	P0.27
P0.28/AIN4	P0.28
P0.29/AIN5	P0.29
P0.30/AIN6	P0.30
P0.31/AIN7	P0.31
SWDIO	SWDIO
SWDCLK	SWDCLK




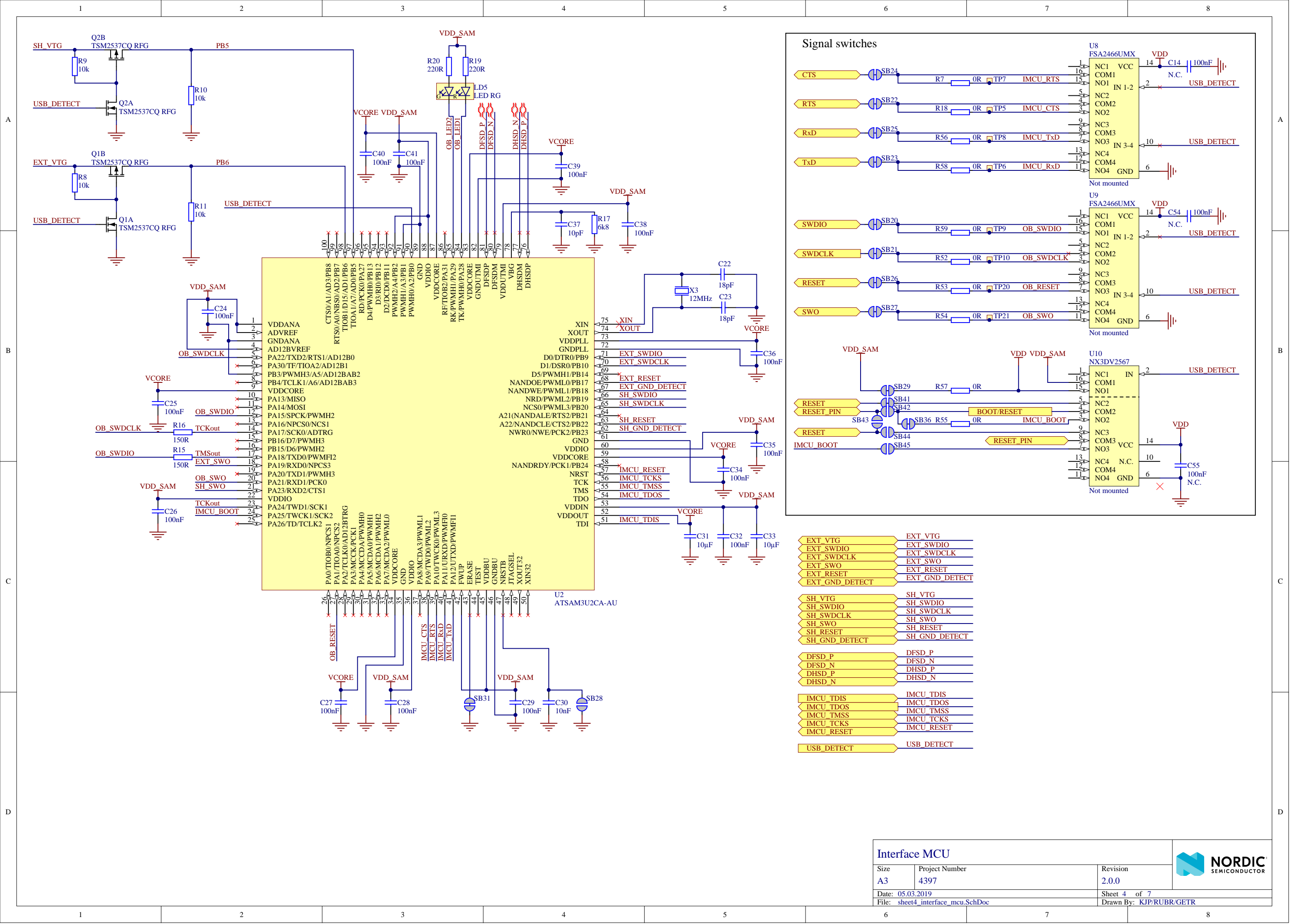
Title nRF Radio			
Size A4	Project Number 4397	Revision 2.0.0	
Date: 11.02.2019			Sheet 2 of 7
File: sheet2_radio.SchDoc			Drawn By: KJP/RUBR/GETR

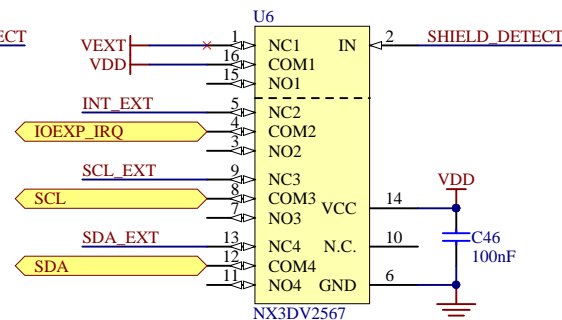
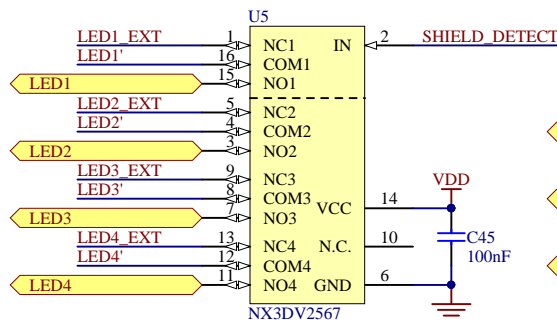
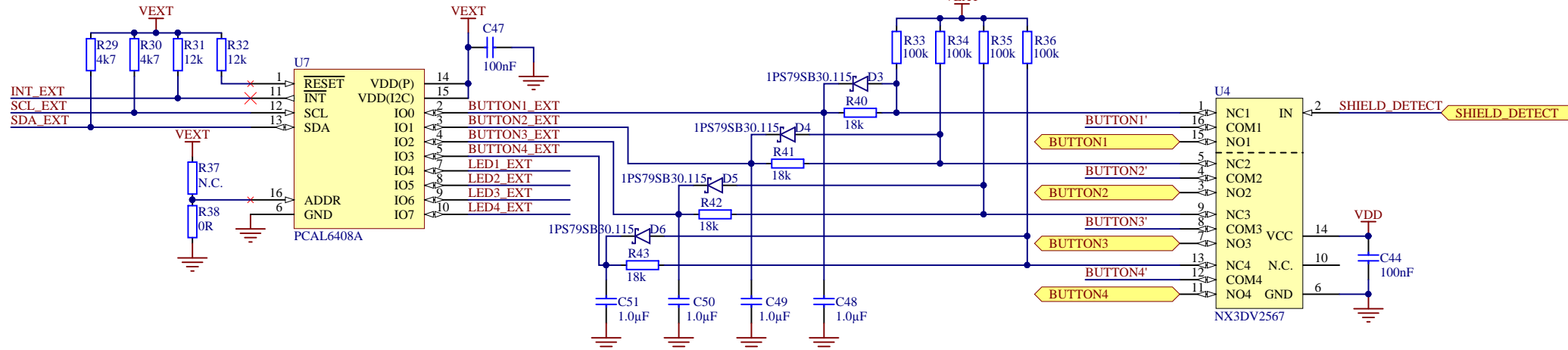
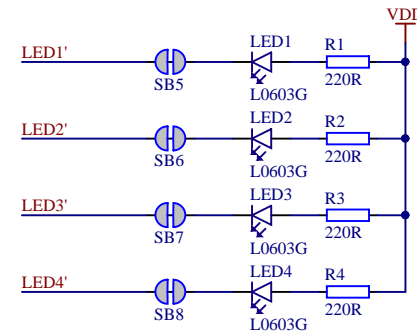
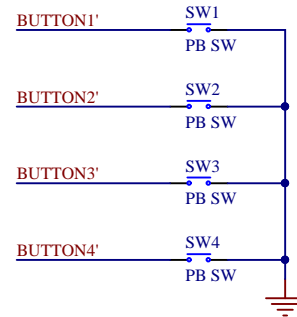
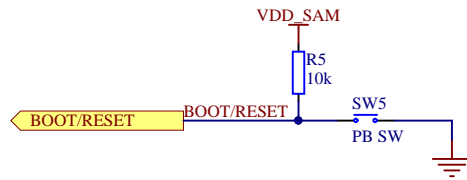


GPIO pin mapping



Title Pin Map			
Size A4	Project Number 4397	Revision 2.0.0	
Date: 05.03.2019		Sheet 3 of 7	
File: sheet3_pin_map.SchDoc		Drawn By: RUBR/GETR	





Title

Buttons and LEDs

Size
A4

Project Number
4397

Revision
2.0.0

Date: 11.02.2019

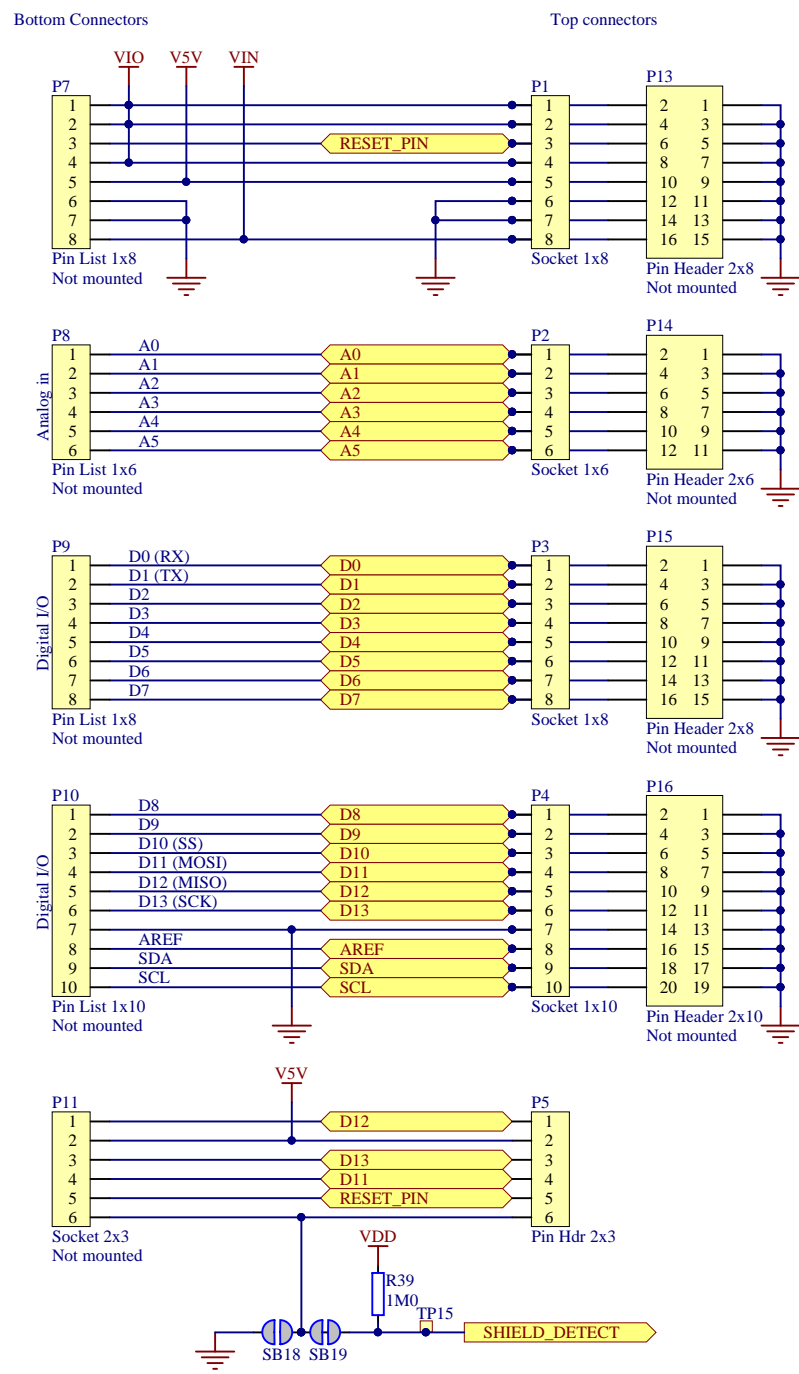
File: sheet5_buttons_and_leds.SchDoc

Sheet 5 of 7

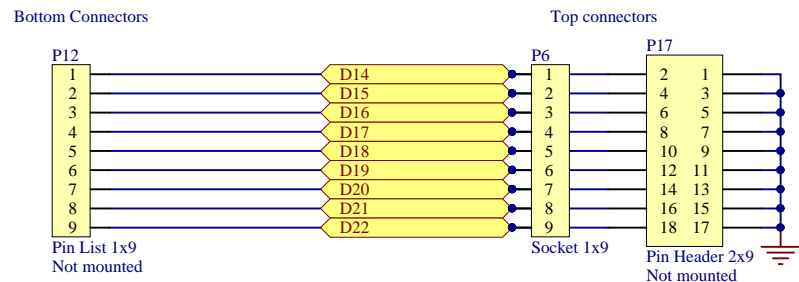
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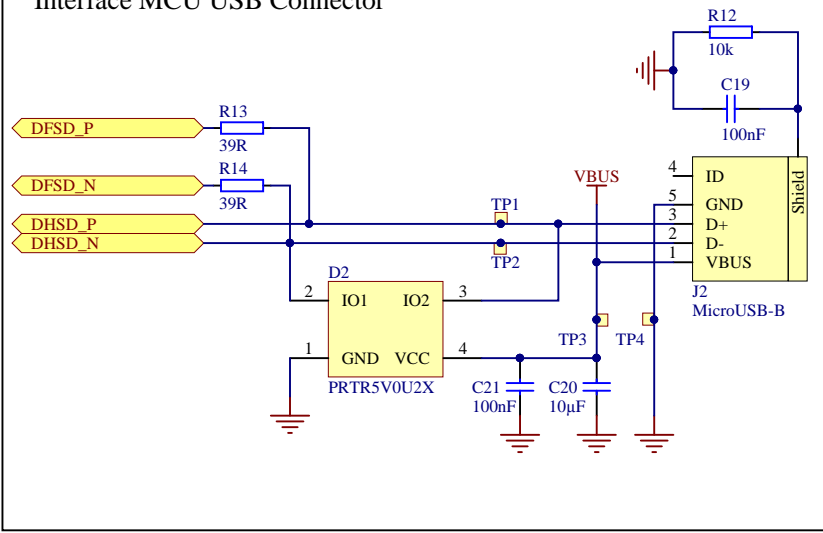
Arduino Interface Connectors



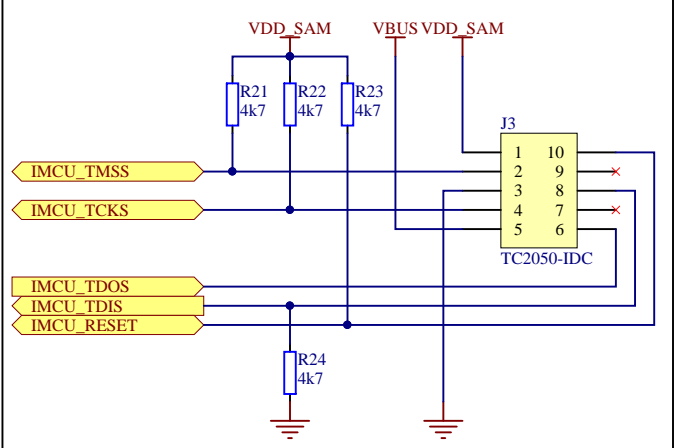
Auxiliary Connectors



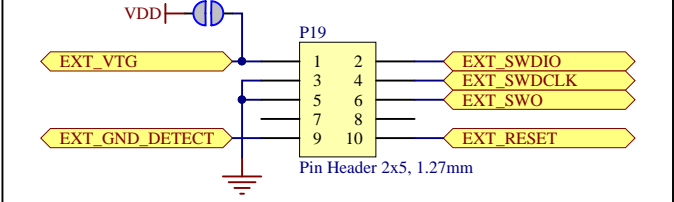
Interface MCU USB Connector



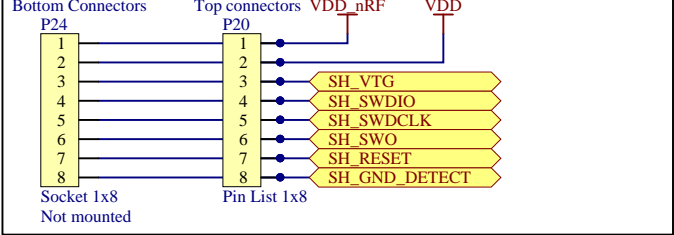
Interface MCU Programming Connector



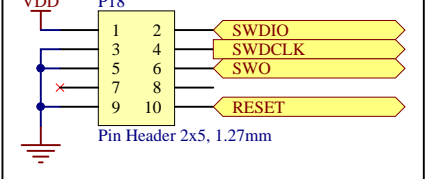
Debug OUT Connector



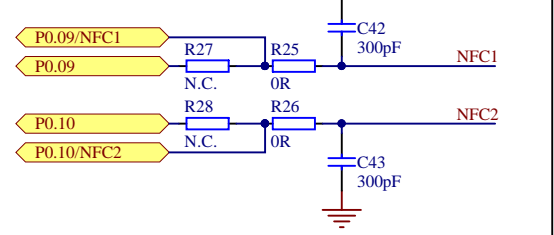
Shield Debug and Current measurement Connector



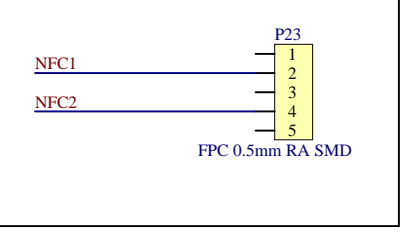
Debug IN Connector




NFC pin configuration



NFCT Antenna Connector



Connectors

Size	Project Number	Revision	
A3	4397	2.0.0	
Date: 05.03.2019		Sheet 6 of 7	
File: sheet6_connectors.SchDoc		Drawn By: KJP/RUBR/GETR	

