

Nordic Semiconductor ASA

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

Sheet 1: nRF Radio

Sheet 2: Interface MCU

Sheet 3: Buttons and LEDs

Sheet 4: Connectors

Sheet 5: 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.

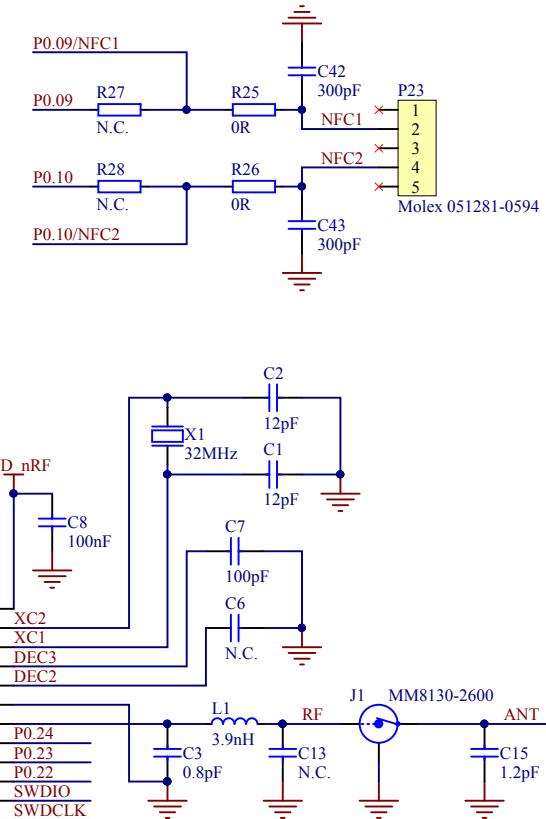
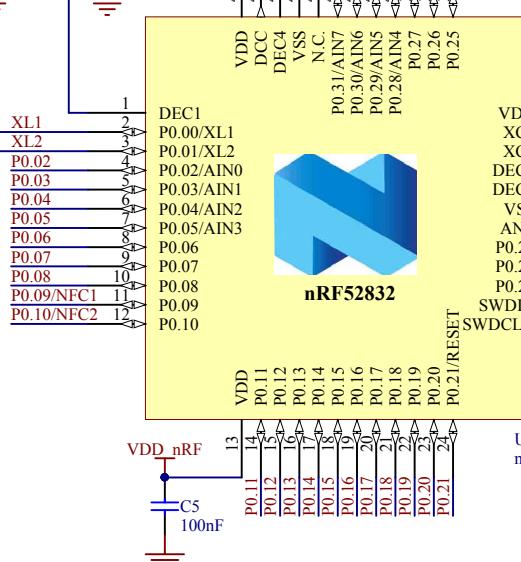
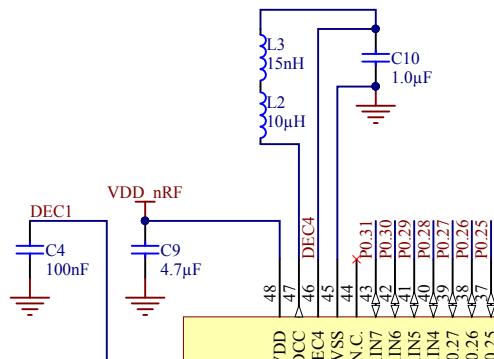
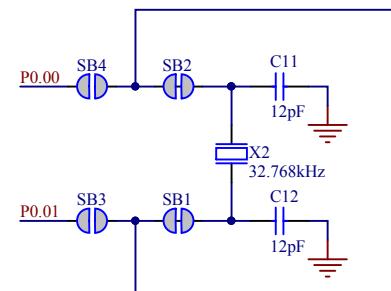


PCA10040 - Cover			NORDIC SEMICONDUCTOR
Size	Project Number	Revision	
A3	4397	1.1.0	
Date:	1/25/2016	Sheet	0 of 5
File:	pca10040_sheet0_cover.SchDoc	Drawn By:	KJP

NFCT Antenna

[1,4]	P0.00	P0.00
[1,4]	P0.01	P0.01
[1,4]	P0.02	P0.02
[1,4]	P0.03	P0.03
[1,4]	P0.04	P0.04
[1,2,4]	P0.05	P0.05
[1,2,4]	P0.06	P0.06
[1,2,4]	P0.07	P0.07
[1,2,4]	P0.08	P0.08
[1,4]	P0.09	P0.09
[1,4]	P0.10	P0.10
[1,4]	P0.11	P0.11
[1,4]	P0.12	P0.12
[1,3,4]	P0.13	P0.13
[1,3,4]	P0.14	P0.14
[1,3,4]	P0.15	P0.15
[1,3,4]	P0.16	P0.16
[1,3,4]	P0.17	P0.17
[1,2,3,4]	P0.18	P0.18
[1,3,4]	P0.19	P0.19
[1,3,4]	P0.20	P0.20
[1,2,4]	P0.21	P0.21
[1,4]	P0.22	P0.22
[1,4]	P0.23	P0.23
[1,4]	P0.24	P0.24
[1,4]	P0.25	P0.25
[1,3,4]	P0.26	P0.26
[1,3,4]	P0.27	P0.27
[1,4]	P0.28	P0.28
[1,4]	P0.29	P0.29
[1,4]	P0.30	P0.30
[1,4]	P0.31	P0.31

[1,2,4] SWDIO
[1,2,4] SWDCLK



Title
PCA10040 - nRF Radio

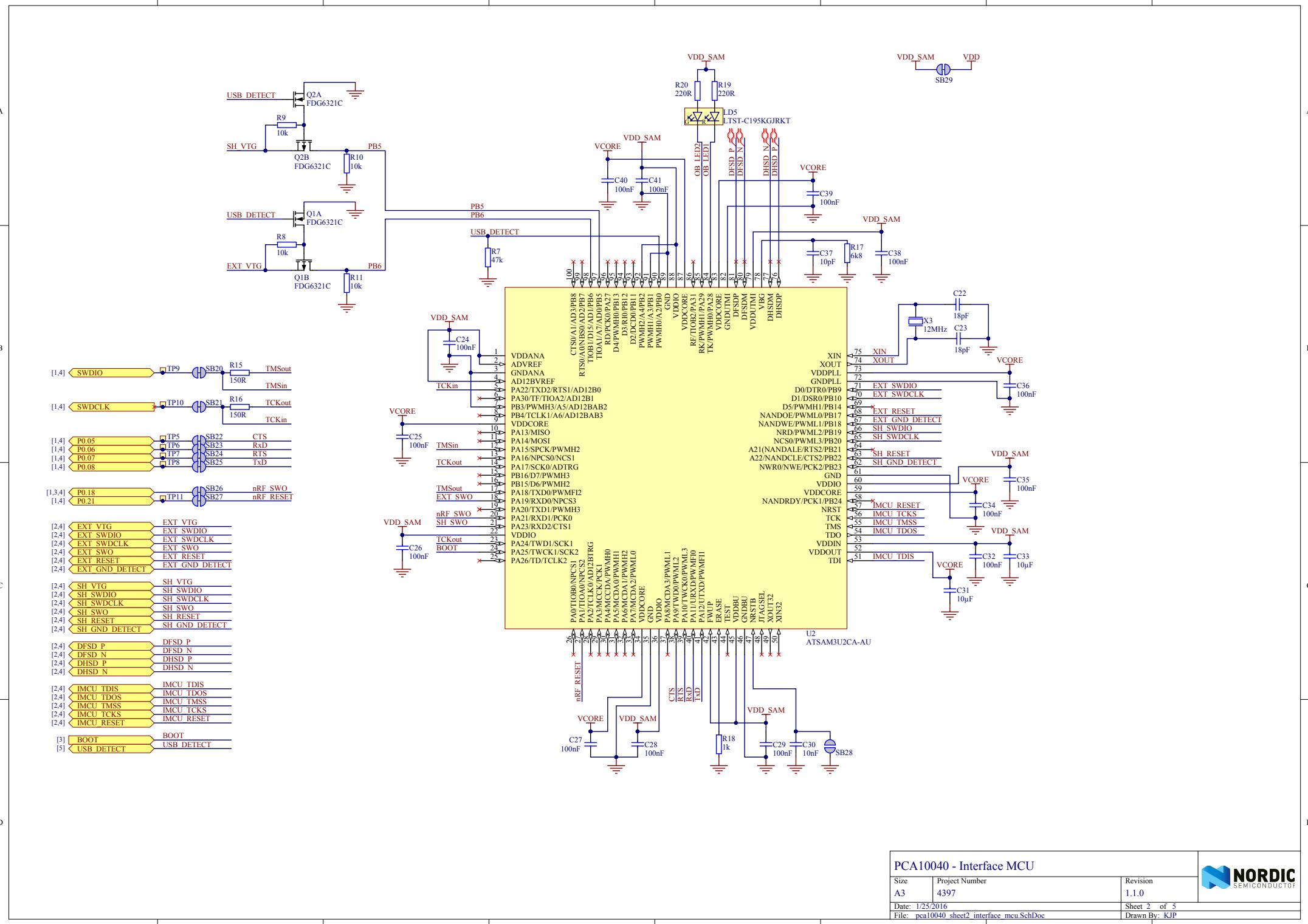
Size
A4
Project Number
4397

Revision
1.1.0

Date: 1/25/2016
File: pca10040_sheet1_radio.SchDoc



Sheet 1 of 5
Drawn By: KJP



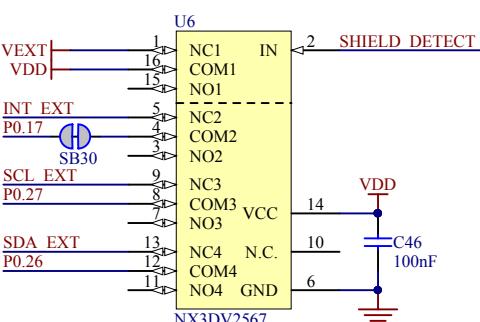
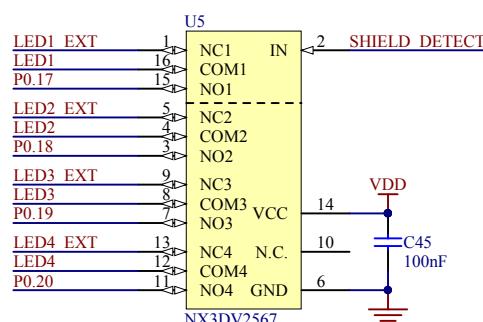
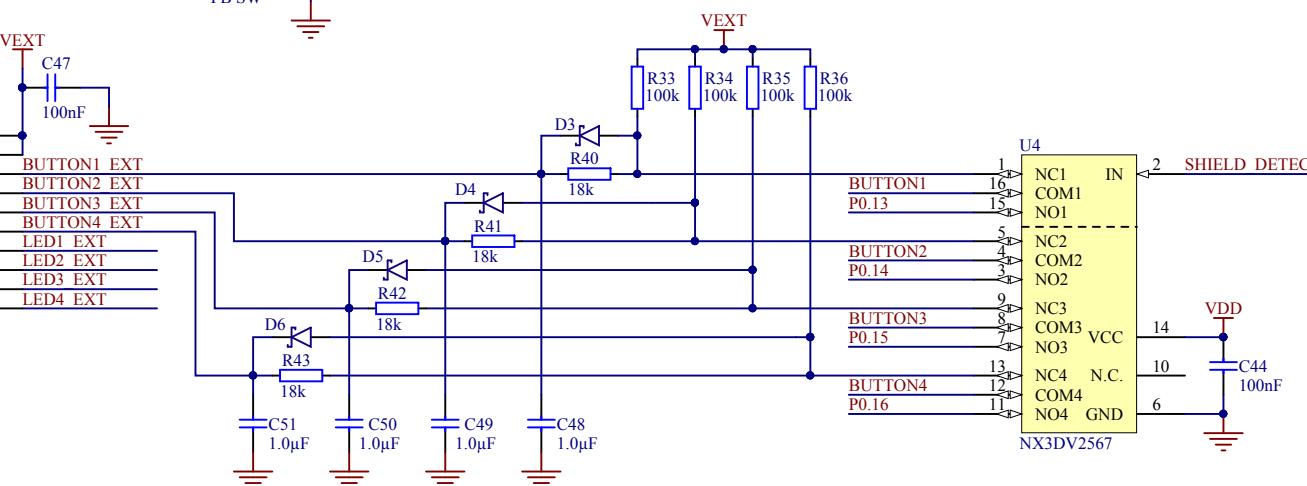
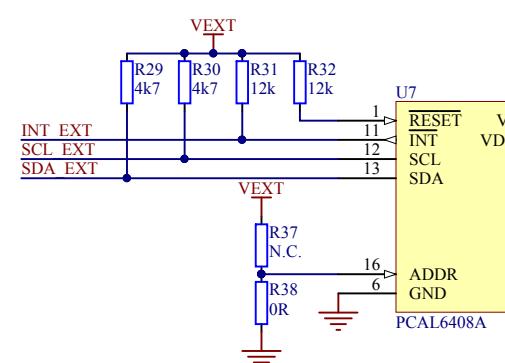
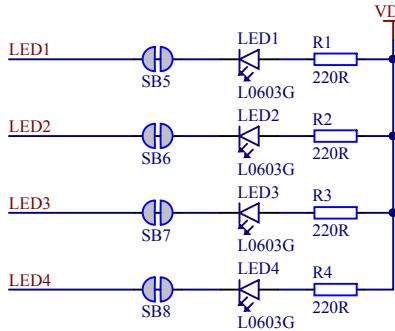
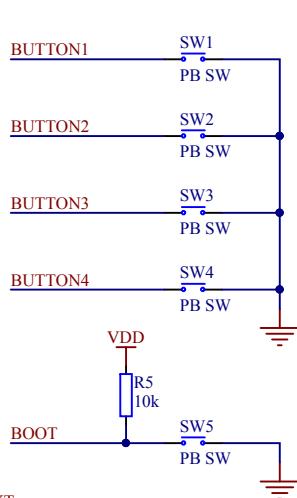
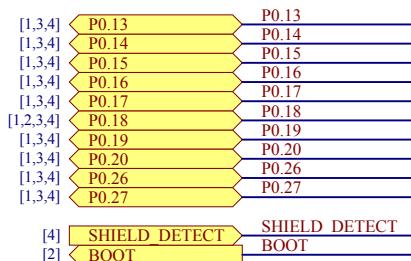
1

2

3

4

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Title
PCA10040 - Buttons and LEDs

Size	Project Number	Revision
A4	4397	1.1.0
Date: 1/25/2016		Sheet 3 of 5
File: pca10040_sheet3_buttons_and_leds.SchDoc		Drawn By: KJP



1

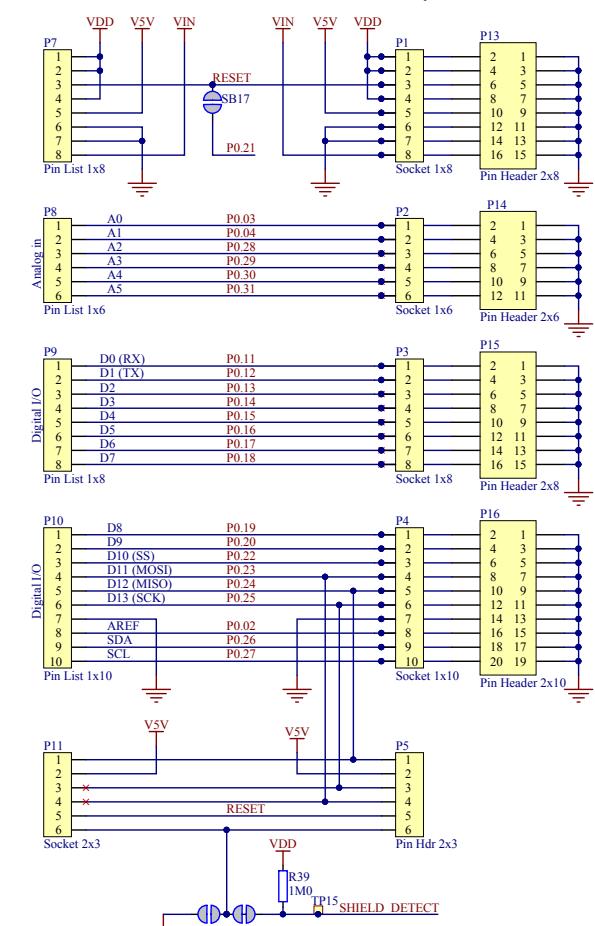
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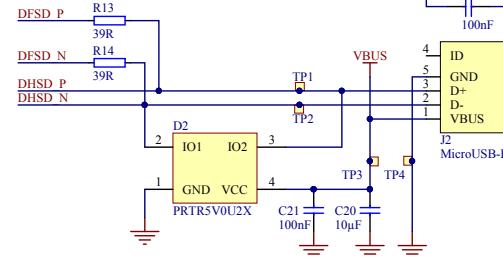
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Arduino Interface Connectors

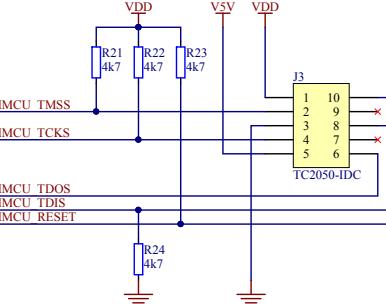
Bottom Connectors



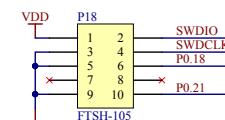
USB Connector



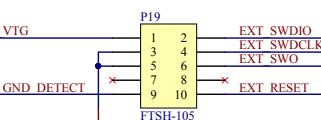
J-Link Prog Connector



Debug IN Connector

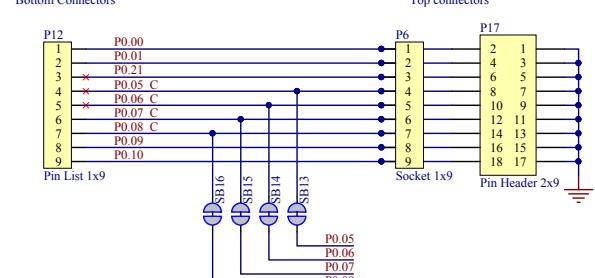


Debug OUT Connector

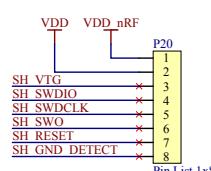


Auxiliary Connectors

Bottom Connectors



Shield Debug and Current measurement Connector



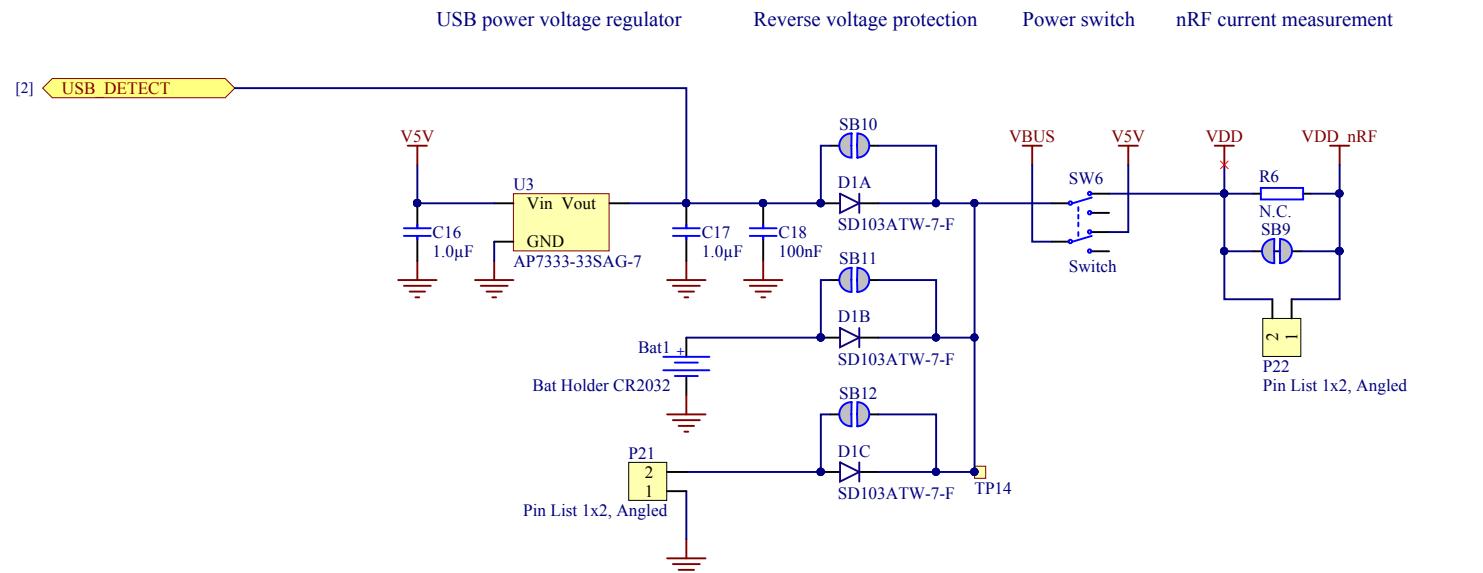
PCA10040 - Connectors

Size	Project Number	Revision
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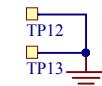
NORDIC
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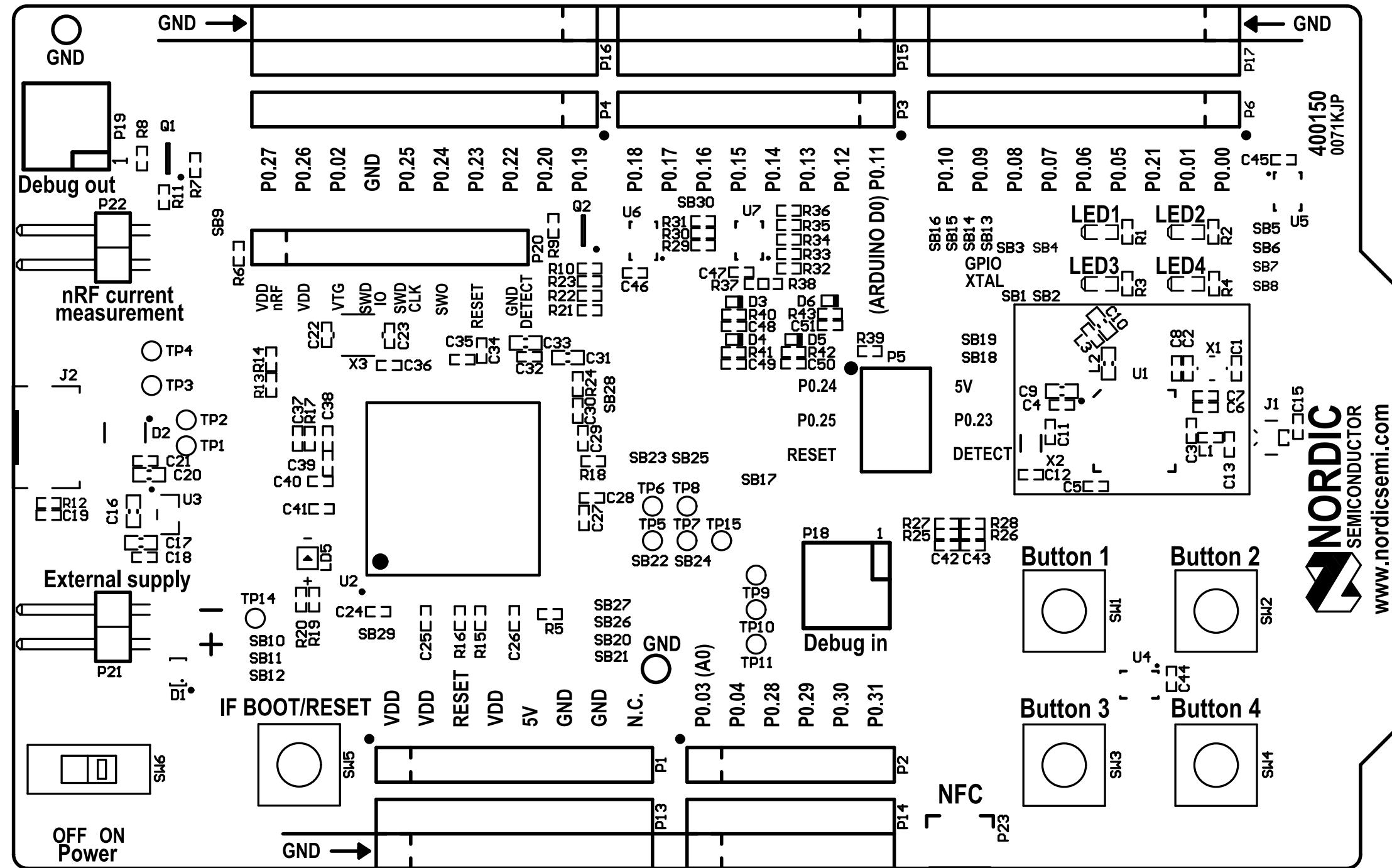


Instrument ground



Title
PCA10040 - Power Supply

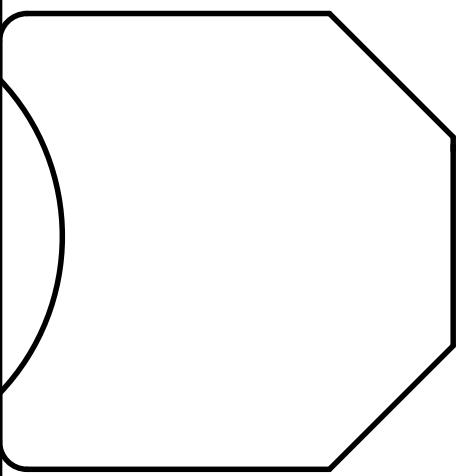
Size A4	Project Number 4397	Revision 1.1.0	NORDIC SEMICONDUCTOR
Date: 1/25/2016		Sheet 5 of 5	
File: pca10040_sheet5_power_supply.SchDoc			Drawn By: KJP



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Figure 1. The effect of the initial concentration of the reactants on the rate of the reaction. The reaction was carried out at 25°C in a 100 mL Erlenmeyer flask containing 10 mL of 0.1 M NaOH and 10 mL of 0.1 M HCl. The reaction was monitored by titration with 0.1 M NaOH until the pH reached 7. The reaction was carried out in triplicate.

IO EXPANDER / T * \ / * \ T / FUNCTION SHOT

