


# Nordic Semiconductor ASA

## nRF52832 Bluetooth Smart/ANT/2.4GHz RF Preview Development Board (PCA10036)

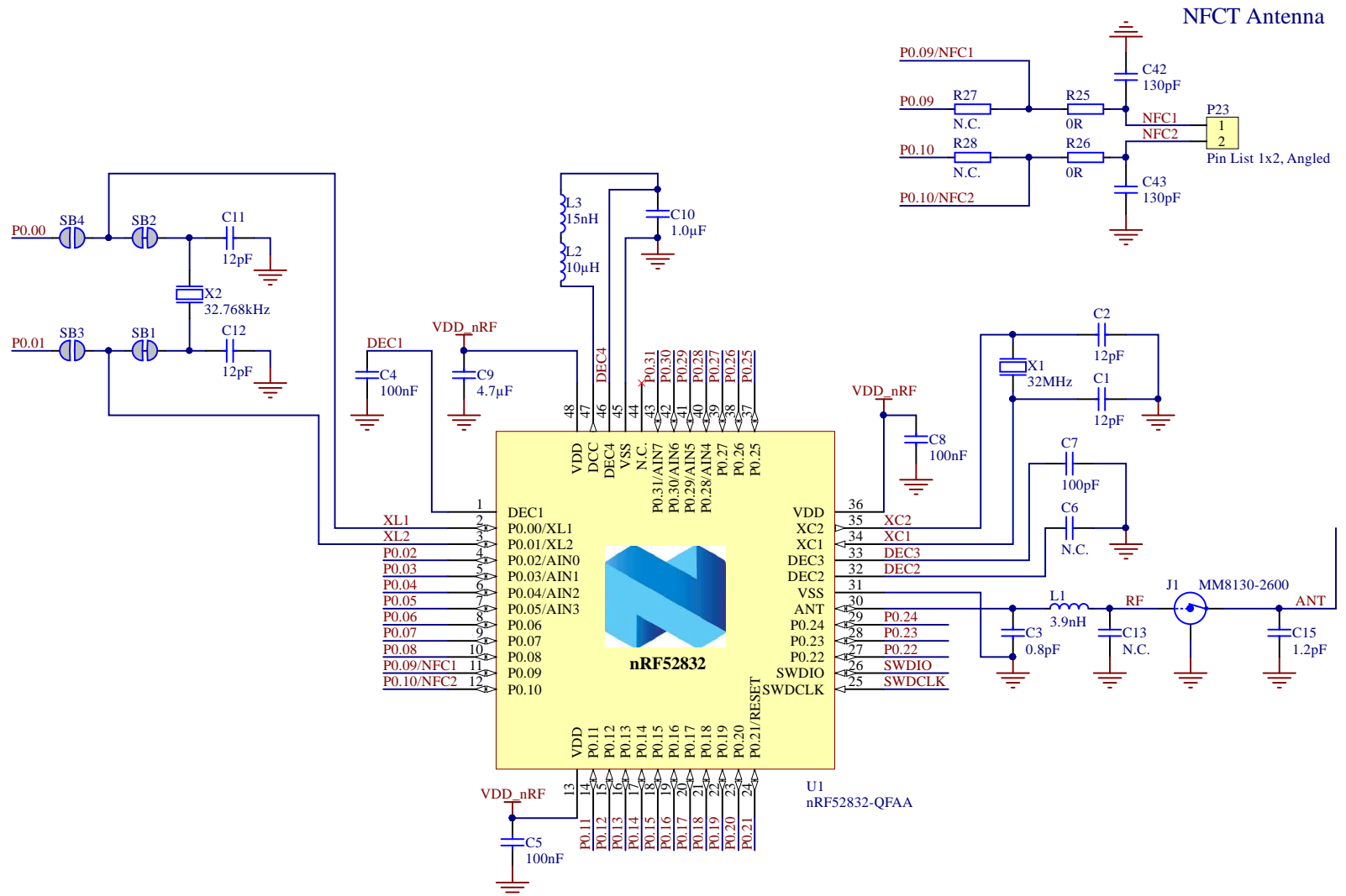
Sheet 1:	nRF Radio
Sheet 2:	Interface MCU
Sheet 3:	Buttons and LEDs
Sheet 4:	Connectors
Sheet 5:	Power Supply



### PCA10036 - Cover

Size A3	Project Number 4397	Revision 1.1.0	
Date: 12.05.2018		Sheet 0 of 5	
File: pca10036_sheet0_cover.SchDoc		Drawn By: KJP	

[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
[1,4]	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
[1,3,4]	P0.18	P0.18
[1,2,3,4]	P0.19	P0.19
[1,3,4]	P0.20	P0.20
[1,3,4]	P0.21	P0.21
[1,2,4]	P0.22	P0.22
[1,4]	P0.23	P0.23
[1,4]	P0.24	P0.24
[1,4]	P0.25	P0.25
[1,4]	P0.26	P0.26
[1,3,4]	P0.27	P0.27
[1,3,4]	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	SWDIO
[1,2,4]	SWDCLK	SWDCLK



Title  
PCA10036 - nRF Radio

Size  
A4

Project Number  
4397

Revision  
1.1.0

Date: 12.05.2018

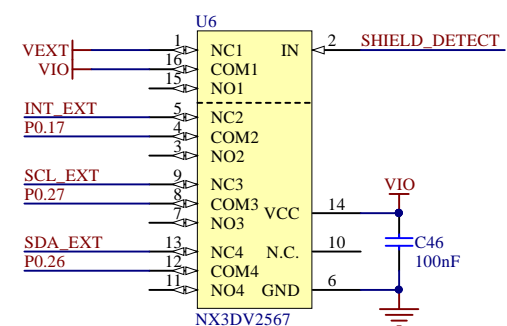
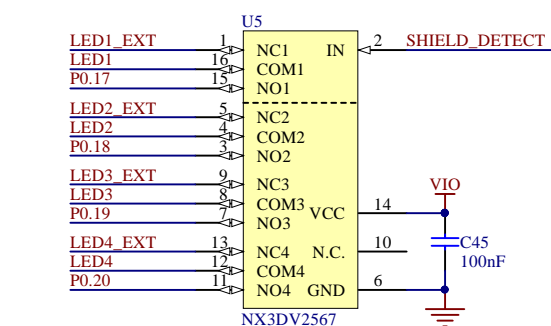
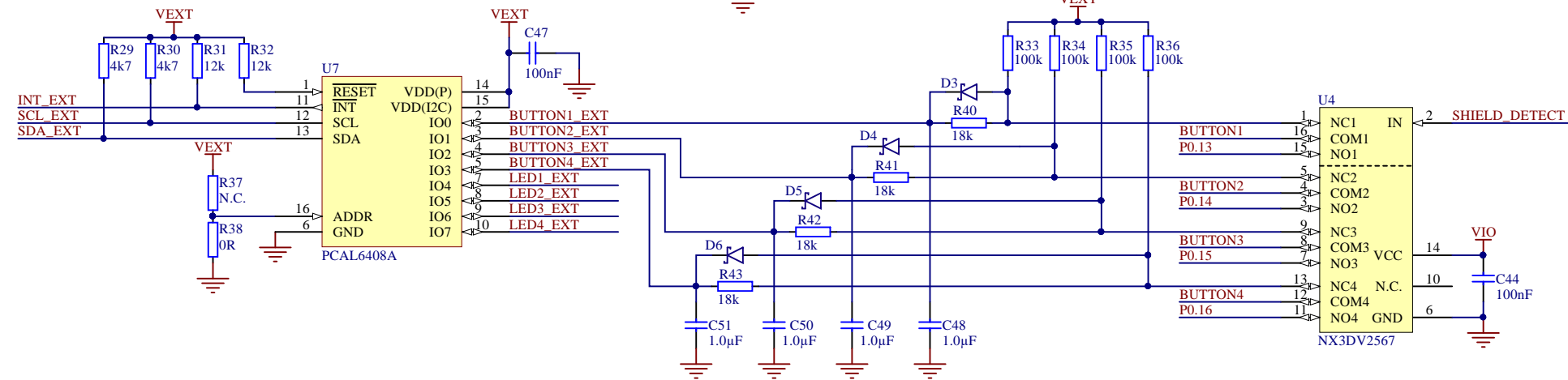
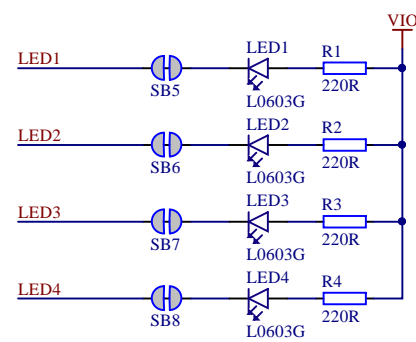
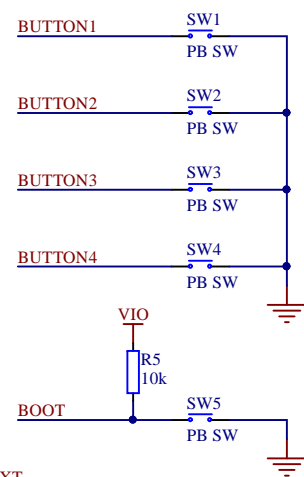
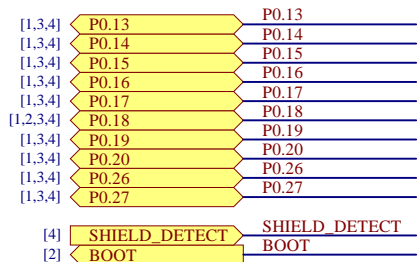
Sheet 1 of 5

File: pca10036\_sheet1\_radio.SchDoc

Drawn By: KJP



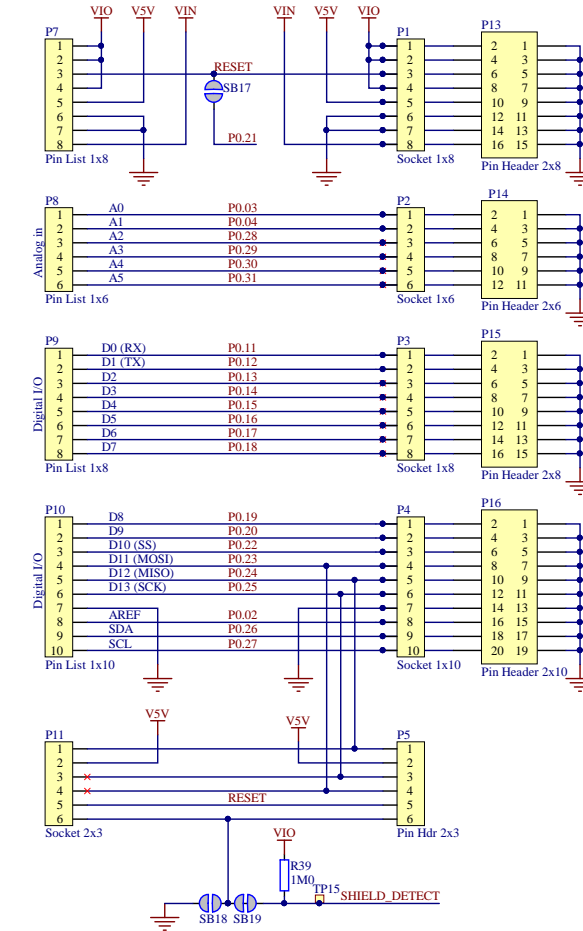




## Arduino Interface Connectors

Bottom Connectors

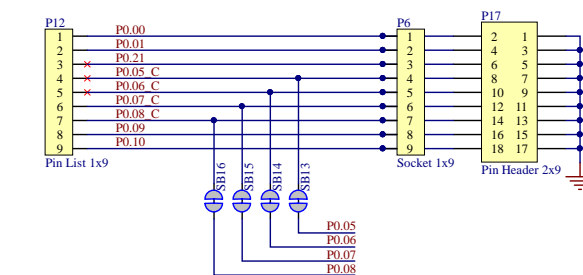
Top connectors



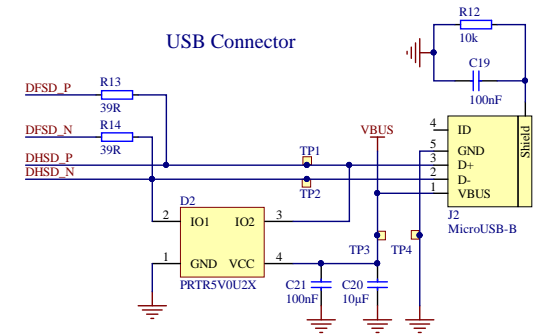
## Auxiliary Connectors

Bottom Connectors

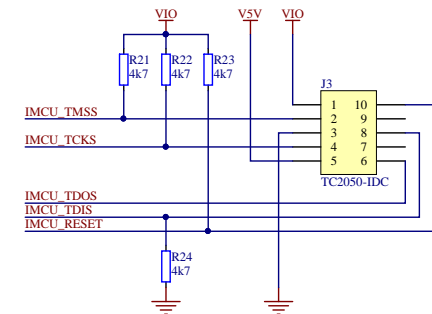
Top connectors



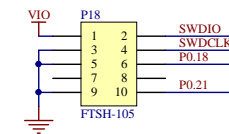
## USB Connector



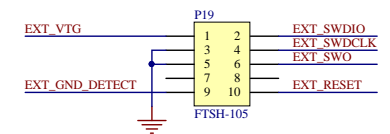
## J-Link Prog Connector



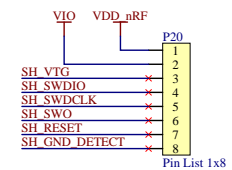
## Debug IN Connector



## Debug OUT Connector



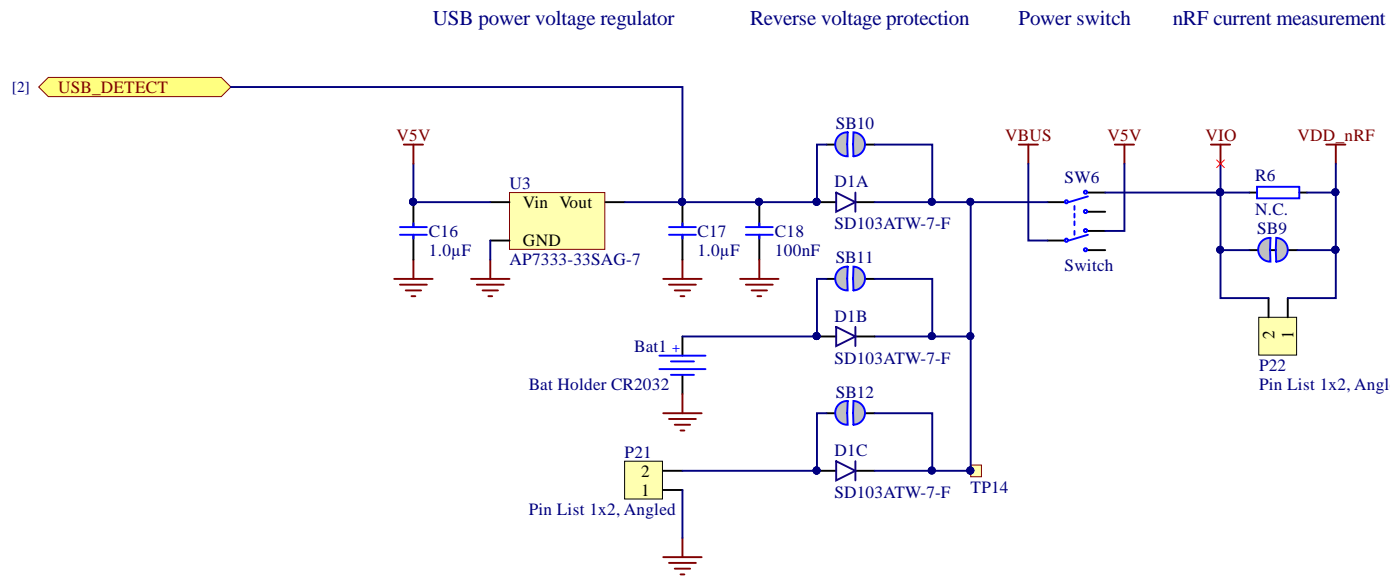
## Shield Debug and Current measurement Connector



## PCA10036 - Connectors

Size	Project Number	Revision
A3	4397	1.1.0
Date: 12.05.2018	Sheet 4 of 5	Drawn By: KJP
File: pca10036_sheet4_connectors.SchDoc		





Title  
PCA10036 - Power Supply

Size  
A4

Date: 12.05.2018

File: pca10036\_sheet5\_power\_supply.SchDoc

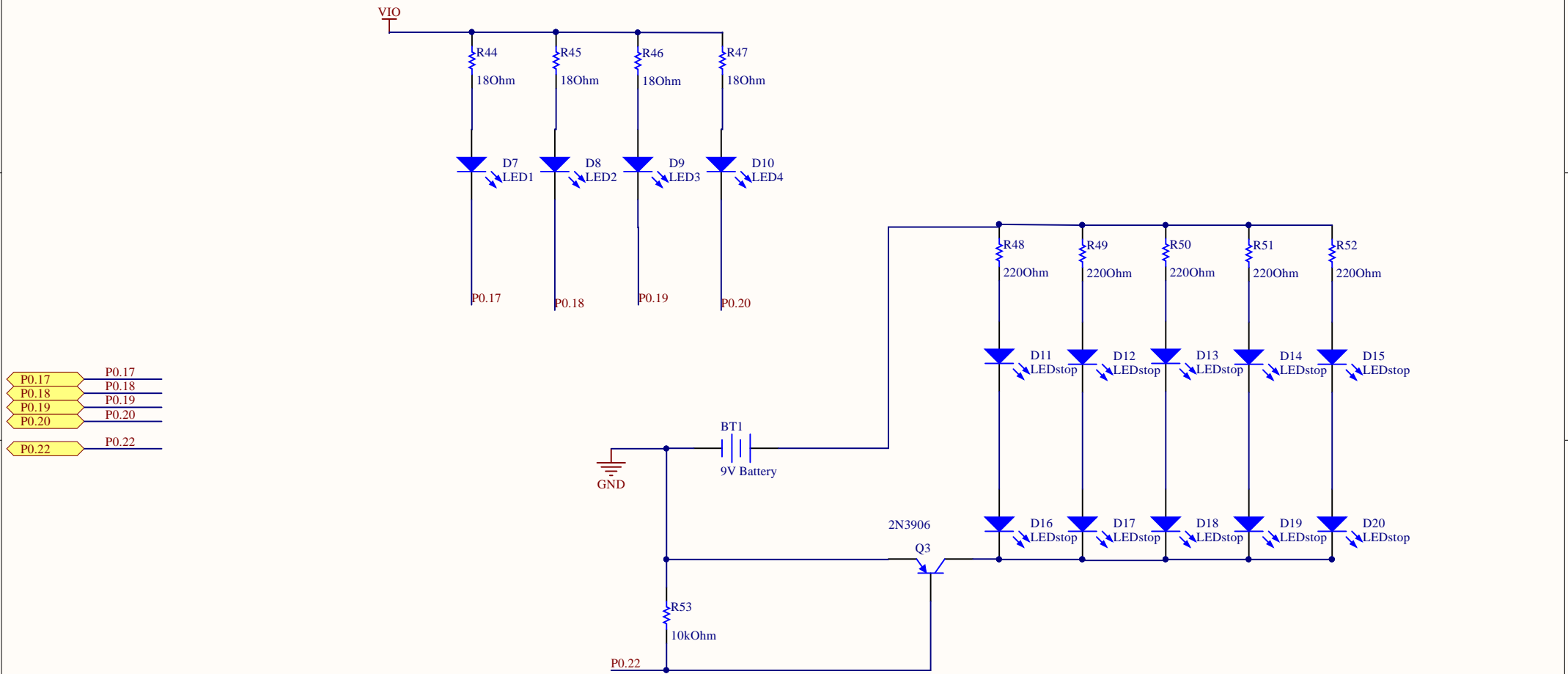
Project Number  
4397

Revision  
1.1.0

Sheet 5 of 5

Drawn By: KJP





Title			PCA10036 - Stop Button Central		
Size	Number			Revision	
A4					
Date:	12.05.2018			Sheet	of
File:	C:\Users\...pca10036_sheet6_STOP_central.sch			File Path	



[www.nordicsemi.com](http://www.nordicsemi.com)

# nRF52 Preview Development Kit





b15

b0.50	LED 4	2B8	uRF
b0.10	LED 3	2B7	PIN
b0.18	LED 3	2B6	AVDD
b0.17	LED 1	2B5	

b0.10	Button 4		
b0.15	Button 3		
b0.14	Button 2		
b0.13	Button 1		

GPIO	Function	Short	HW
------	----------	-------	----

uRF52 target			
--------------	--	--	--

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00

b0.18

b0.16

b0.14

b0.12

b0.10

b0.08

b0.06

b0.04

b0.02

b0.01

b0.00