

# Nordic Semiconductor ASA

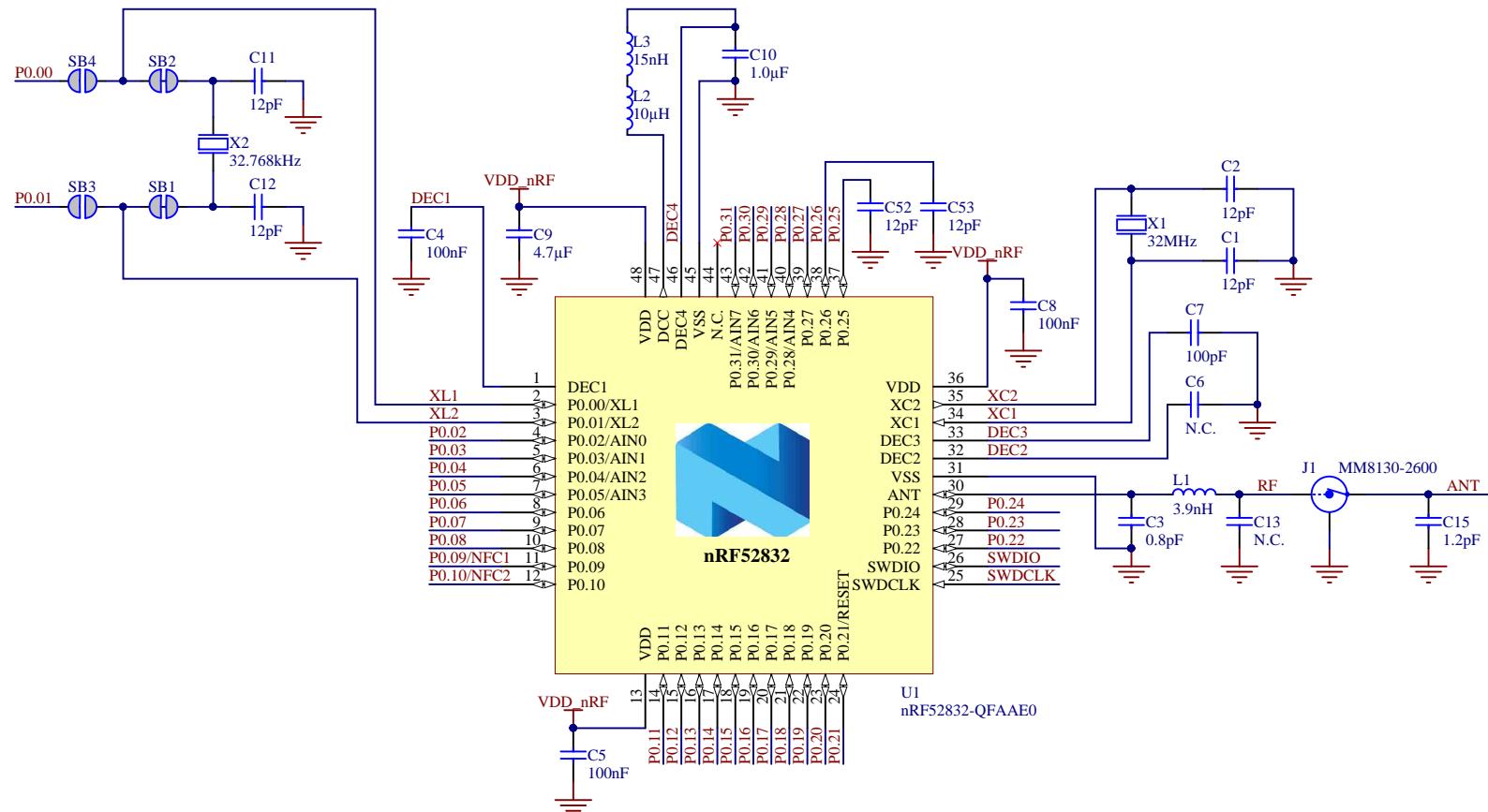
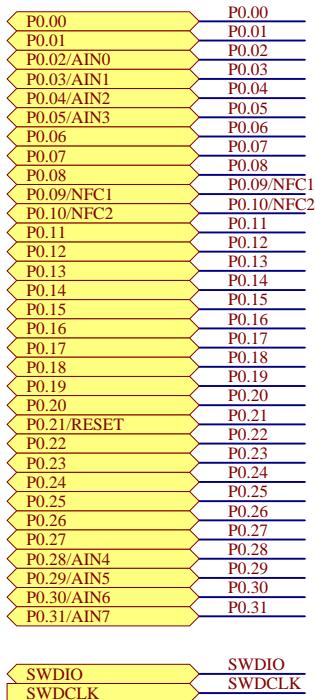
## nRF52832 Bluetooth Smart/ANT/2.4GHz RF Development Board (PCA10040)

- 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.

PCA10040 - Cover			
Size	Project Number	Revision	
A3	4397	1.2.4	
Date:	12.12.2017	Sheet 1	of 7
File:	pca10040_sheet1_cover.SchDoc	Drawn By:	KJP/RUBR

A



Title  
PCA10040 - nRF Radio

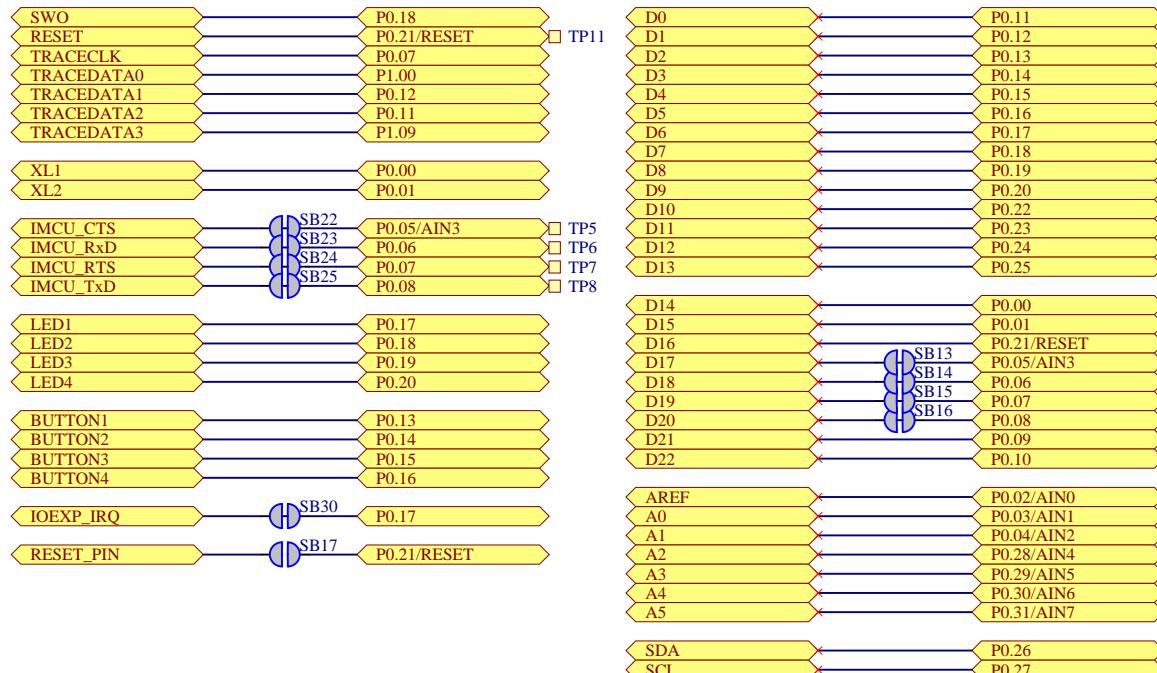
Size	Project Number	Revision
A4	4397	1.2.4
Date: 12.12.2017	Sheet 2 of 7	
File: pca10040_sheet2_radio.SchDoc		Drawn By: KJP/RUBR



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### GPIO pin mapping



B

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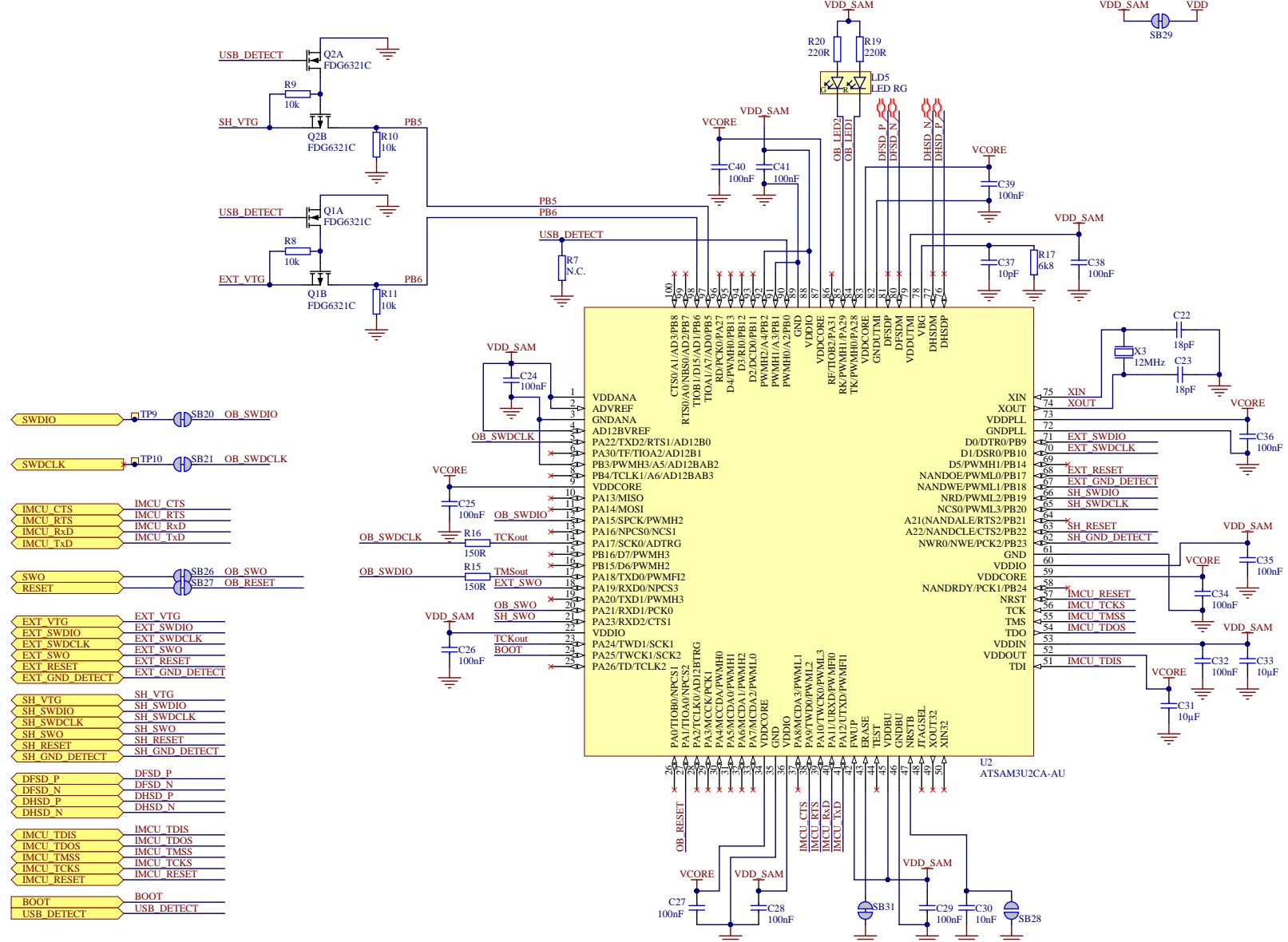
C

D

D

Title  
**PCA10056 - Pin Map**

Size <b>A4</b>	Project Number <b>4397</b>	Revision <b>1.2.4</b>	<b>NORDIC</b> SEMICONDUCTOR
Date: <b>12.12.2017</b>		Sheet <b>3</b> of <b>7</b>	
File: <b>pca10040_sheet3_pin_map.SchDoc</b>		Drawn By: <b>RUBR</b>	

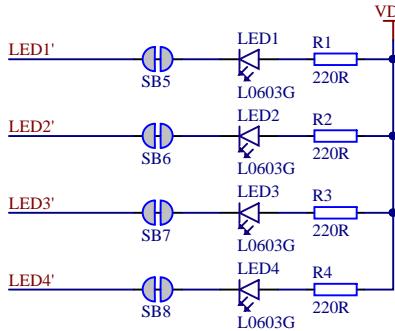
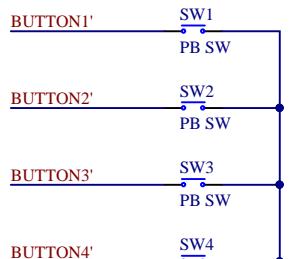


PCA10040 - Interface MCU

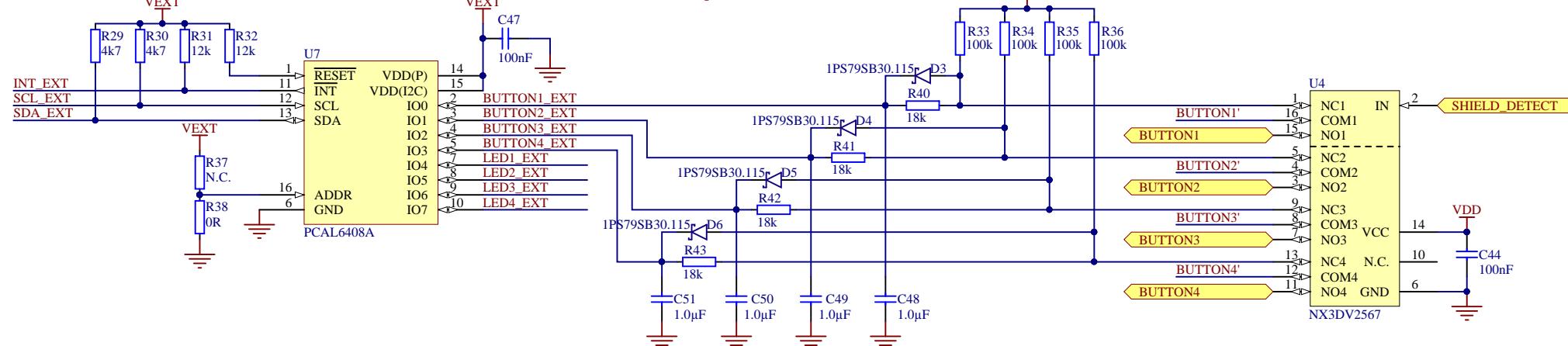
Size	Project Number
A3	4397
Date:	12.12.2017
File:	pca10040 sheet4 interface mcu.SchD



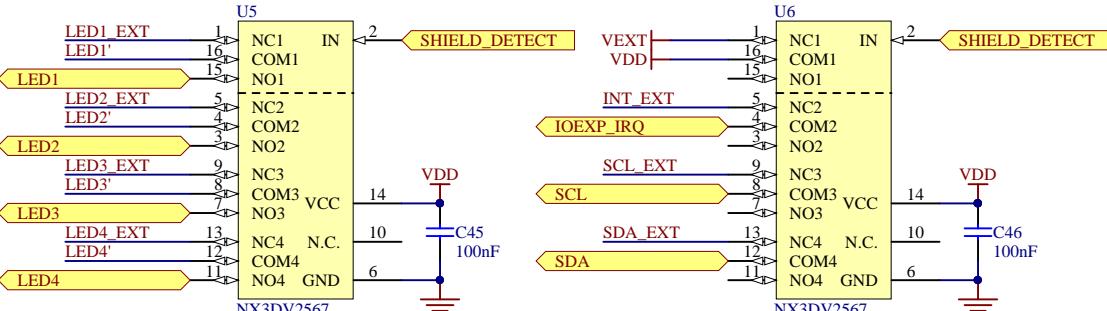
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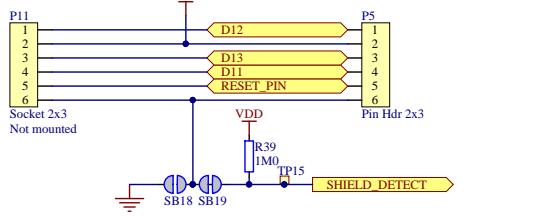
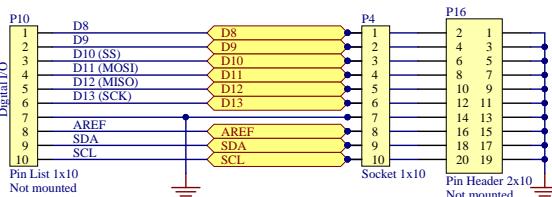
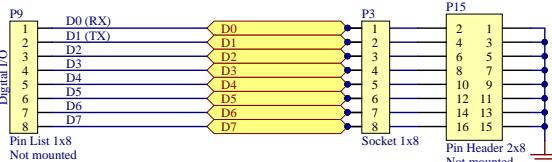
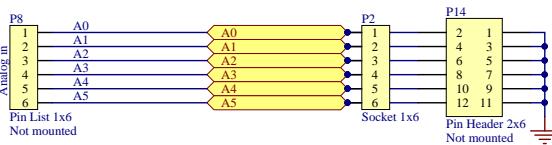
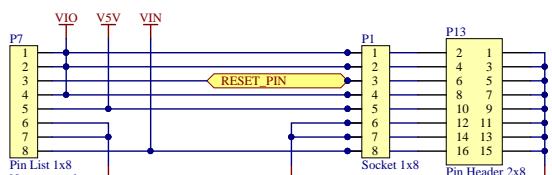
Title  
PCA10040 - Buttons and LEDs

Size	Project Number	Revision
A4	4397	1.2.4
Date: 12.12.2017		Sheet 5 of 7
File: pca10040_sheet5_buttons_and_leds.SchDoc		Drawn By: KJP/RUBR

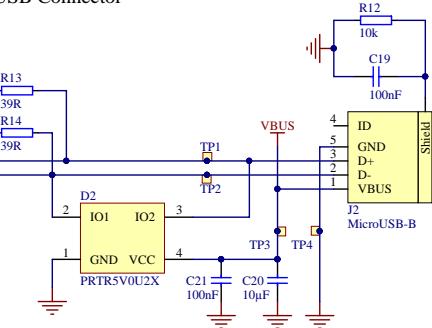


### Arduino Interface Connectors

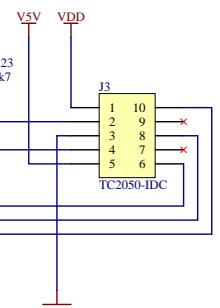
**Bottom Connectors**



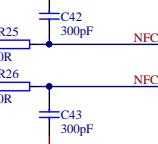
### Interface MCU USB Connector



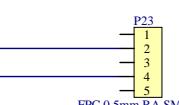
### Interface MCU Programming Connector



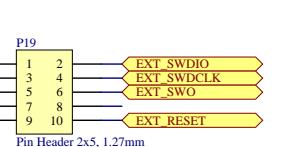
### NFC pin configuration



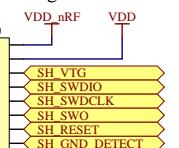
### NFCT Antenna Connector



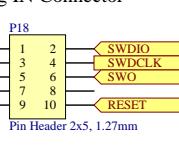
### Debug OUT Connector



### Shield Debug and Current measurement Connector

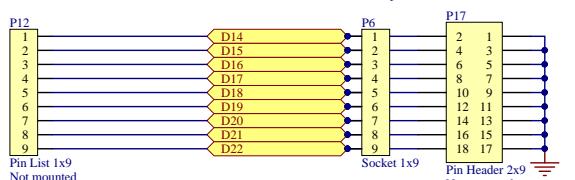


### Debug IN Connector



### Auxiliary Connectors

**Bottom Connectors**



### PCA10040 - Connectors

Size	Project Number	Revision
A3	4397	1.2.4
Date:	12.12.2017	Sheet 6 of 7
File:	pea10040_sheet6_connectors.SchDoc	Drawn By: KJP/RUBR



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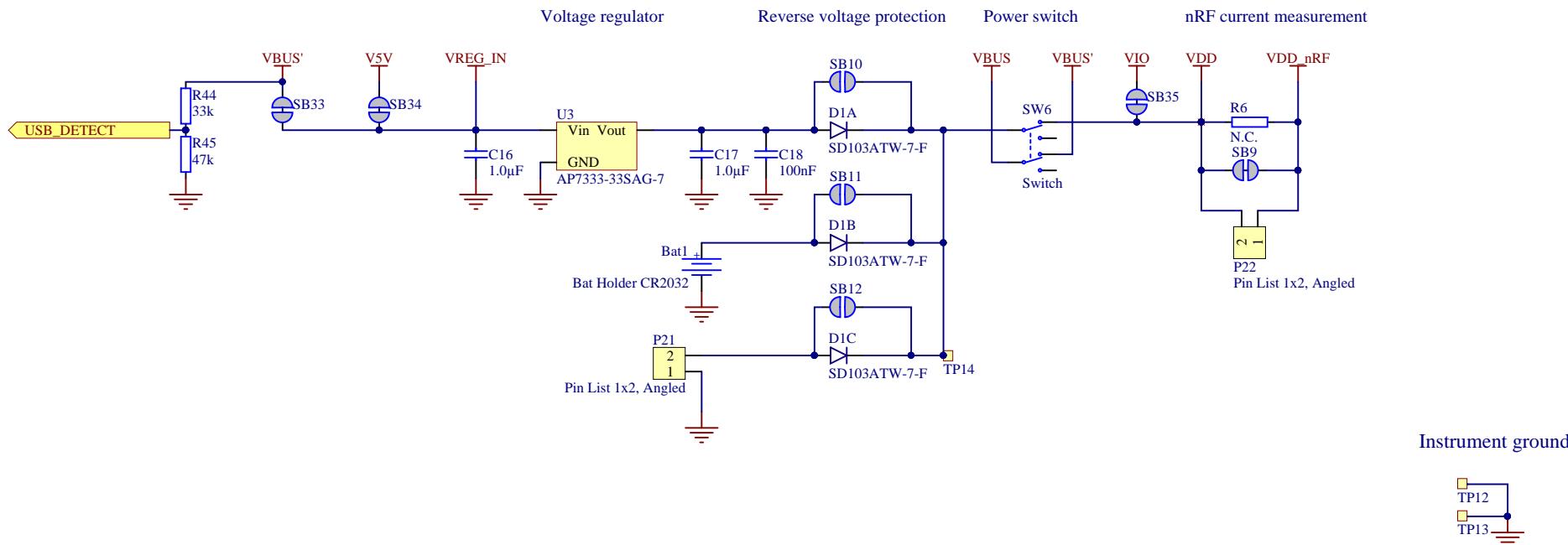
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D



Title  
PCA10040 - Power Supply

Size A4	Project Number 4397	Revision 1.2.4
Date: 12.12.2017	Sheet 7 of 7	Drawn By: KJP/RUBR



