


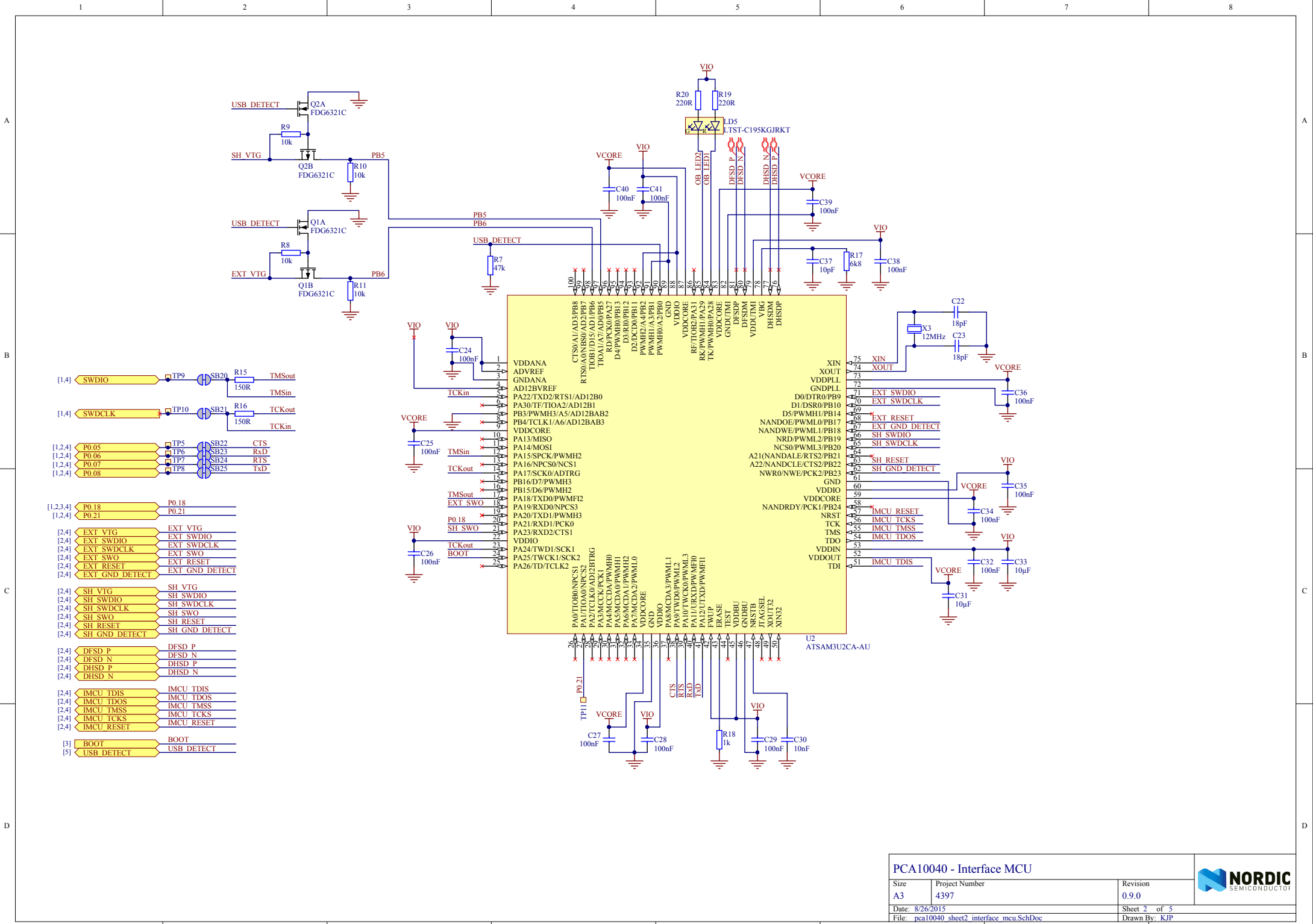
Nordic Semiconductor ASA

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

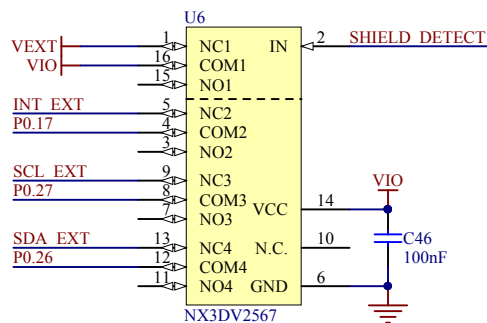
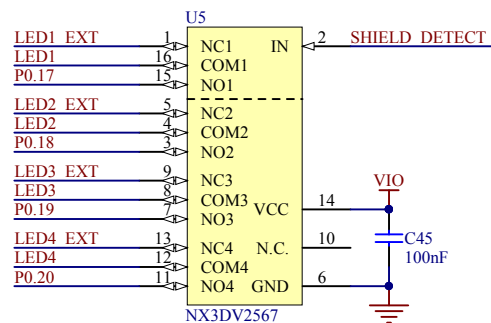
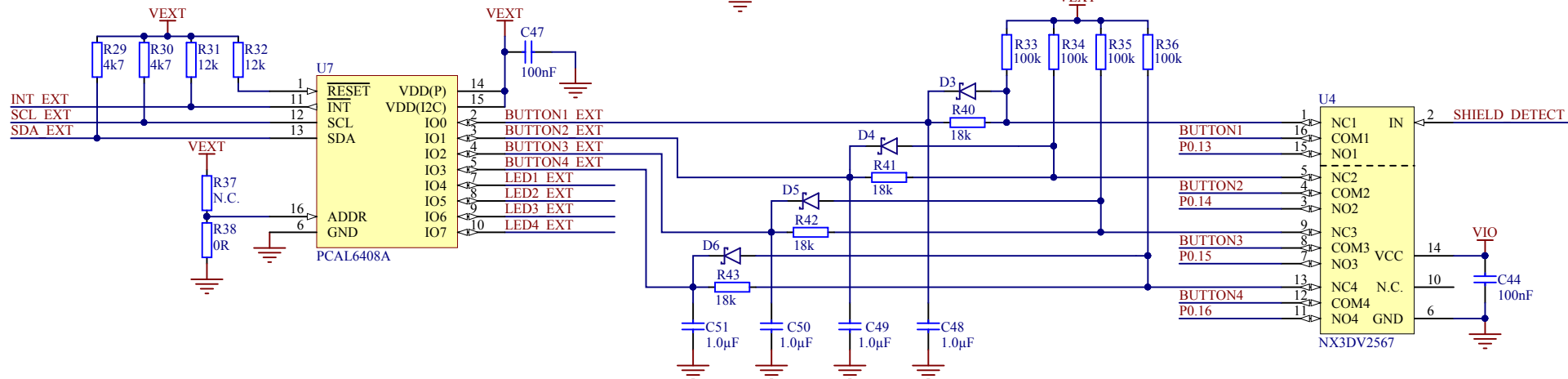
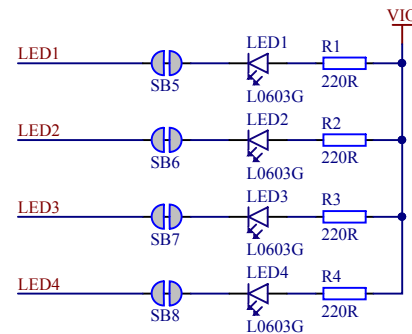
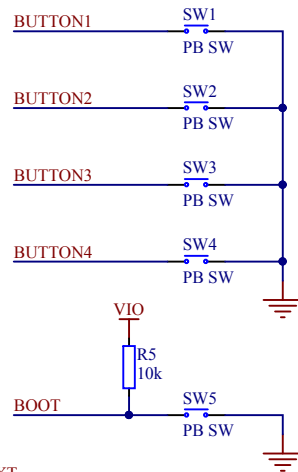
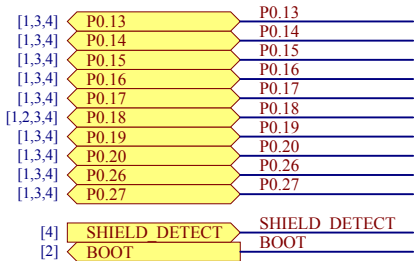


PCA10040 - Cover			
Size	Project Number	Revision	
A3	4397	0.9.0	
Date: 8/26/2015	Sheet 0 of 5		
File: pca10040_sheet0_cover.SchDoc		Drawn By: KJP	



PCA10040 - Interface MCU

Size	Project Number	Revision	
A3	4397	0.9.0	
Date: 8/26/2015		Sheet 2 of 5	
File: pca10040_sheet2_interface_mcu.SchDoc		Drawn By: KJP	



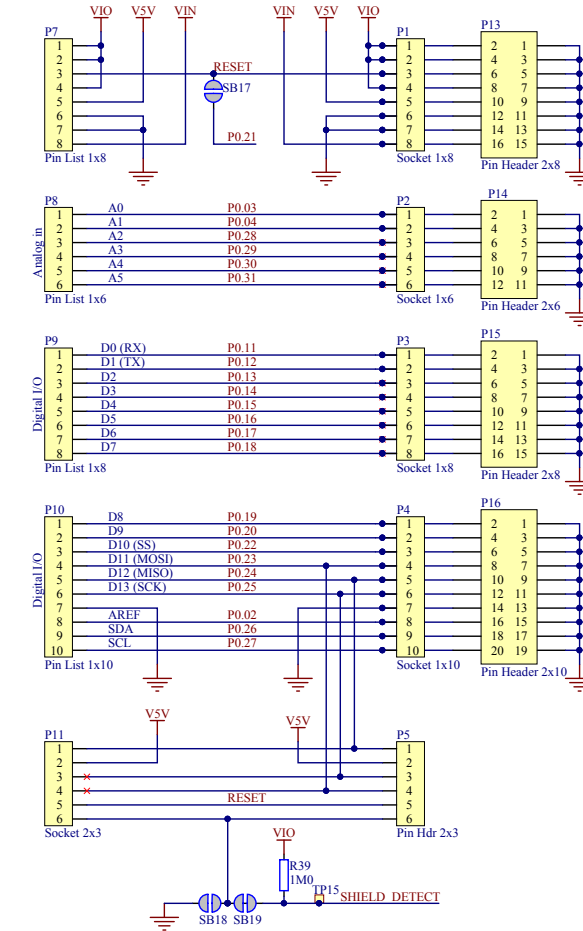
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Size	A4	Project Number	4397
Date:	8/26/2015	Revision	0.9.0
File:	pca10040_sheet3_buttons_and_leds.SchDoc	Sheet	3 of 5
		Drawn By:	KJP



Arduino Interface Connectors

Bottom Connectors

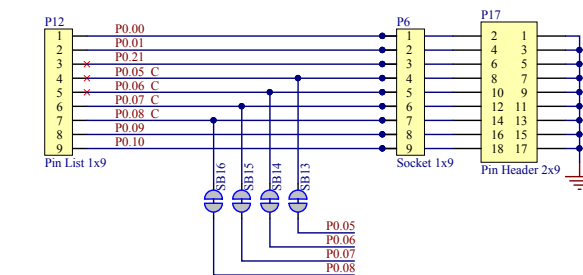
Top connectors



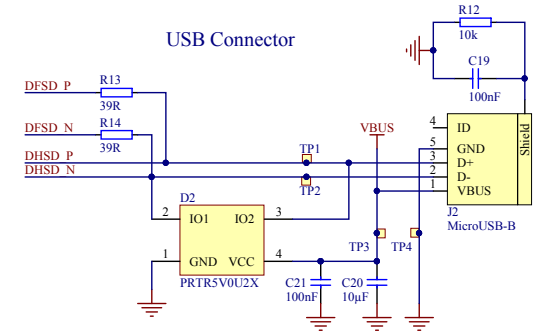
Auxiliary Connectors

Bottom Connectors

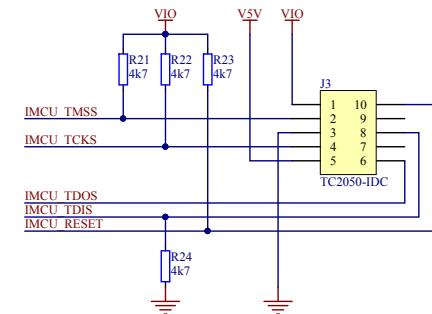
Top connectors



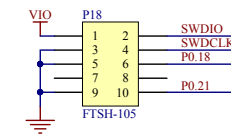
USB Connector



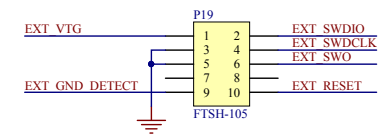
J-Link Prog Connector



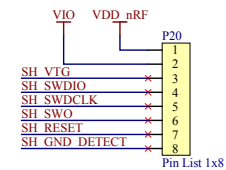
Debug IN Connector



Debug OUT Connector



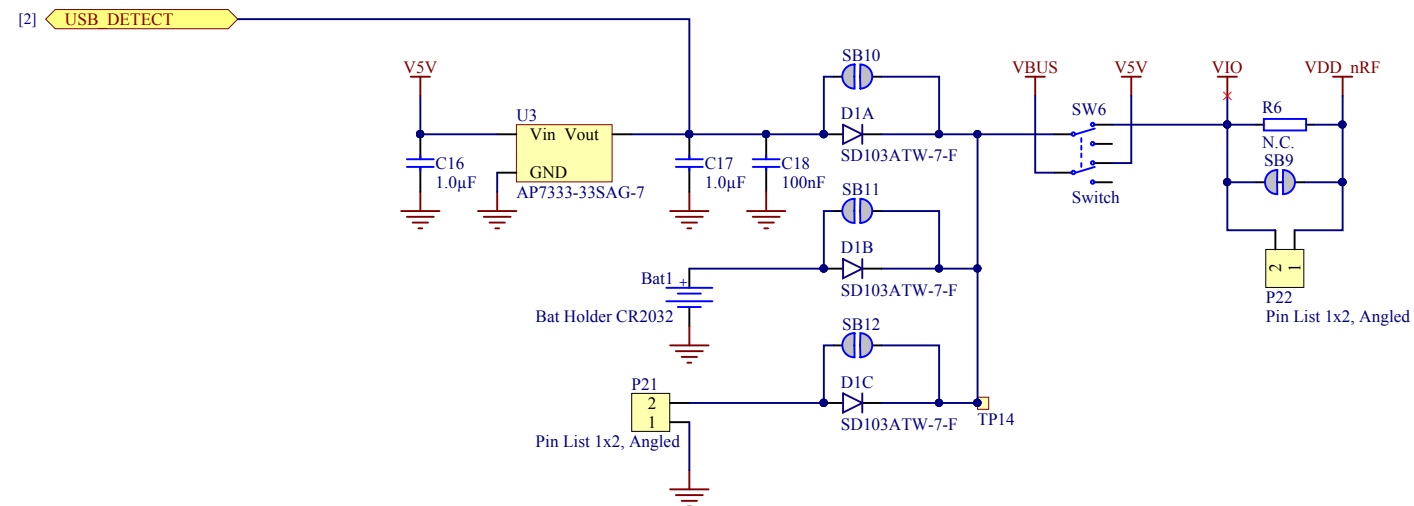
Shield Debug and Current measurement Connector




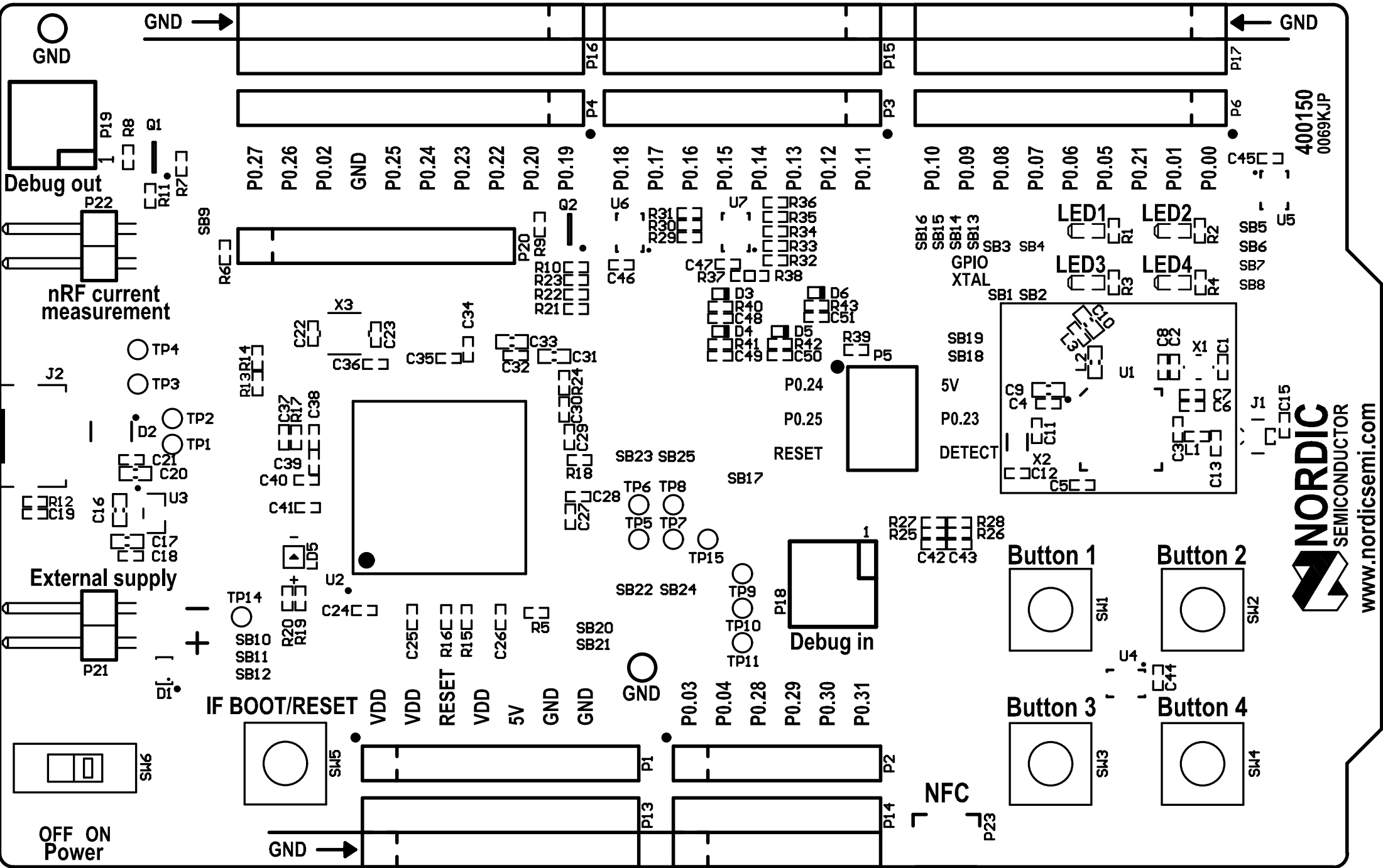
PCA10040 - Connectors

Size	Project Number	Revision
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Date: 8/26/2015	Sheet 4 of 5	
File: pca10040 sheet4 connectors.SchDoc	Drawn By: KJP	



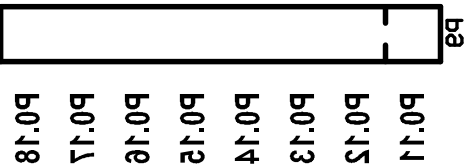
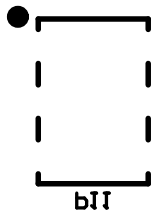


Title PCA10040 - Power Supply			
Size A4	Project Number 4397	Revision 0.9.0	
Date: 8/26/2015 File: pca10040 sheet5 power supply.SchDoc		Sheet 5 of 5 Drawn By: KJP	

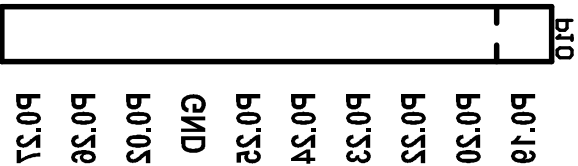
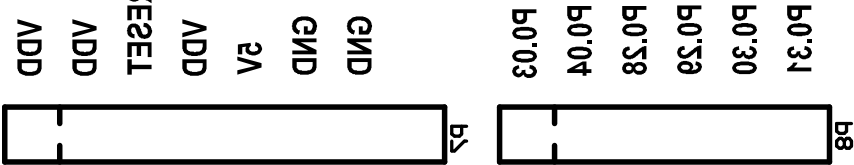




b0'50	LED 4	2B8	
b0'10	LED 3	2B1	
b0'18	LED 5	2B6	
b0'12	LED 1	2B2	
b0'16	Button 4		
b0'12	Button 3		
b0'14	Button 5		
b0'13	Button 1		
GPIO	Function	Short	HW
URF25 target			



b0'10	NECS		
b0'00	NEC1		
b0'08	RXD	2B16	
b0'02	CL2	2B12	
b0'06	LXD	2B14	
b0'02	RL2	2B13	
b0'01	XLS	2B3	
b0'00	XLS	2B4	
b0'00	XLS	2B5	
GPIO	Function	Short	HW
URF25 target			



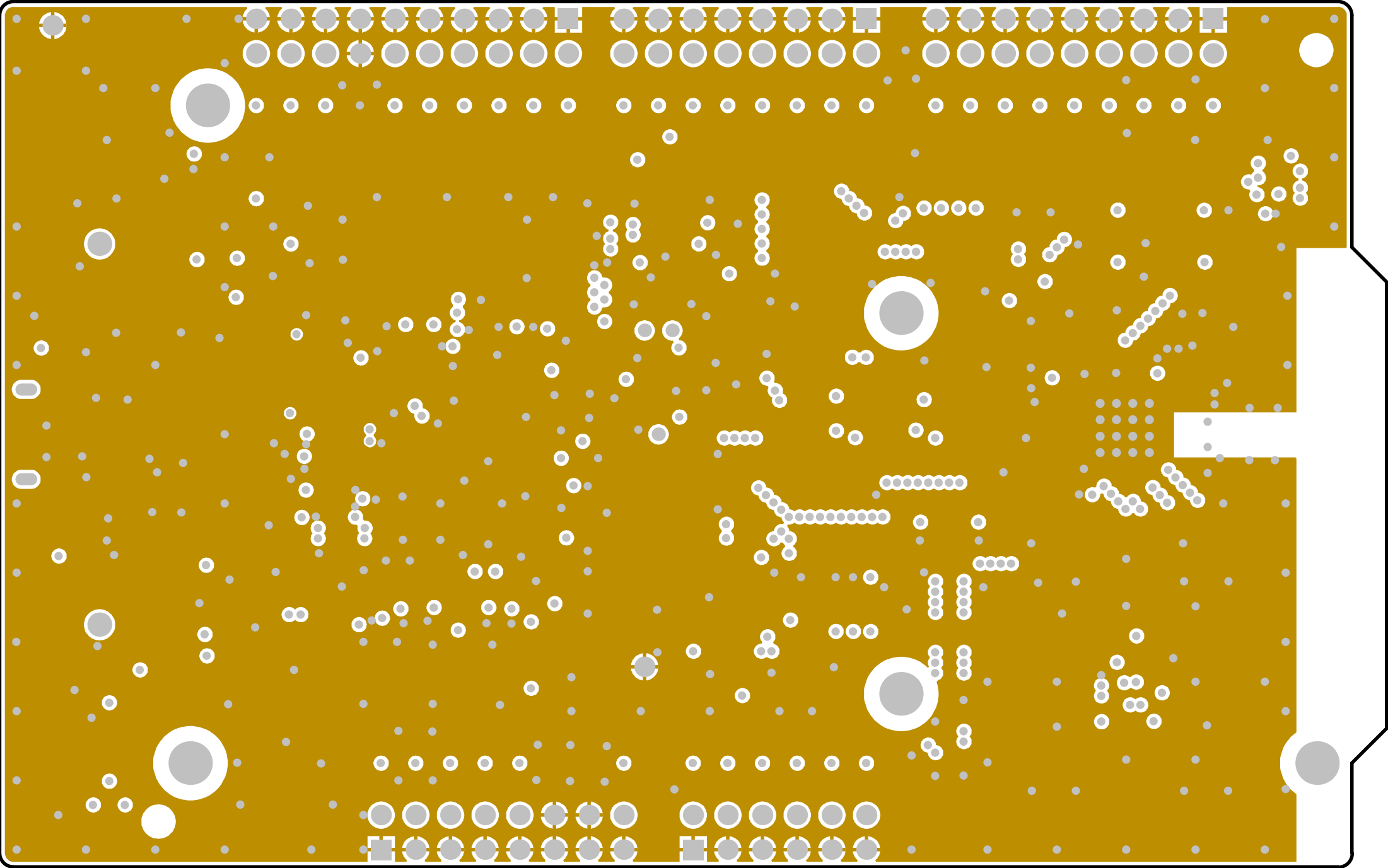
GPIO	Function	Short	HW
URF25 target			

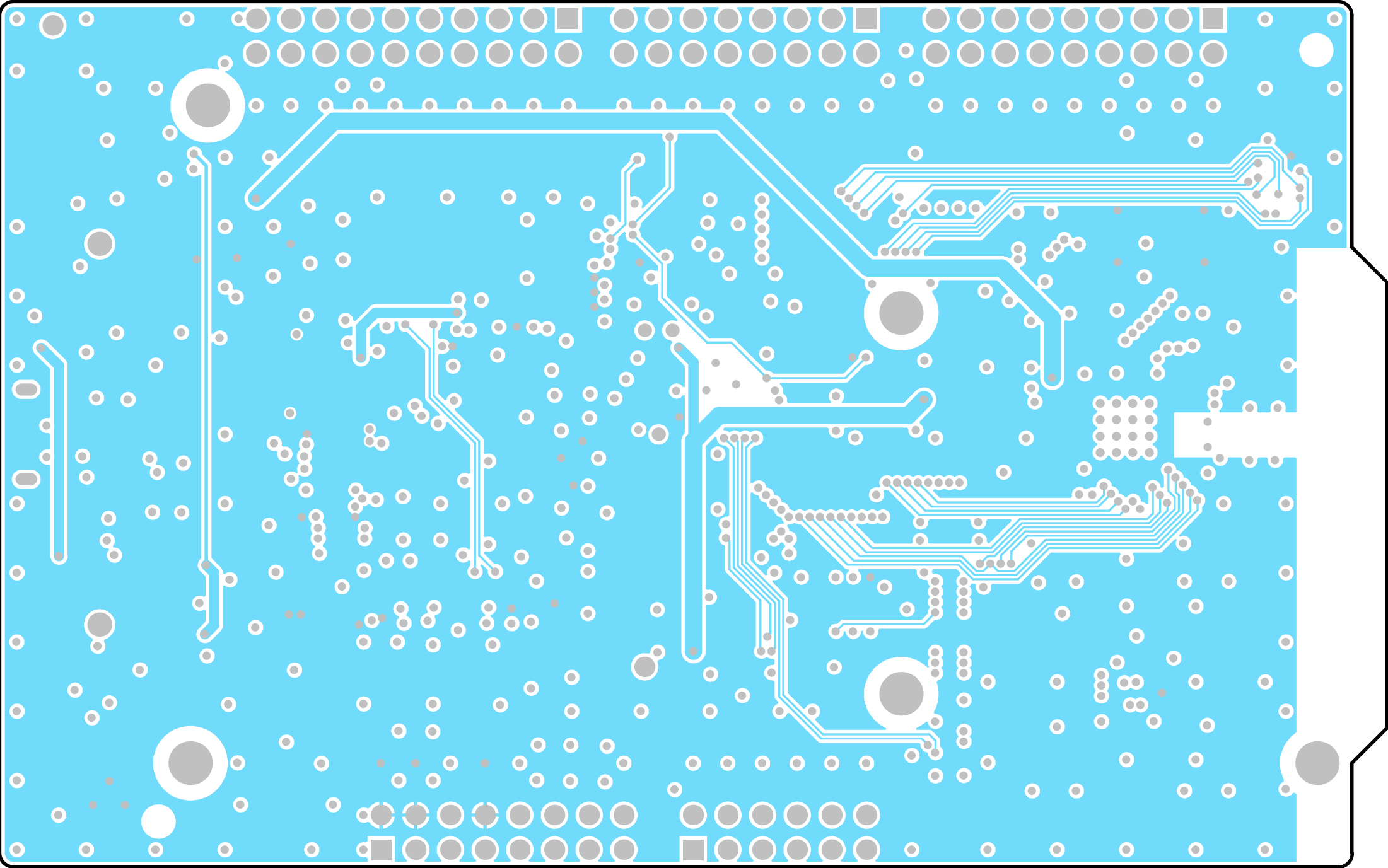


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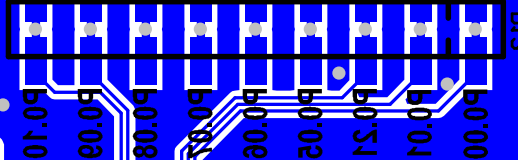




b0'50	LED 4	2B8		
b0'10	LED 3	2B1		
b0'18	LED 5	2B6		
b0'11	LED 1	2B5		
b0'16	Button 4			
b0'12	Button 3			
b0'14	Button 5			
b0'13	Button 1			

GPIO	Function	Short	HW
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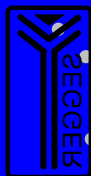
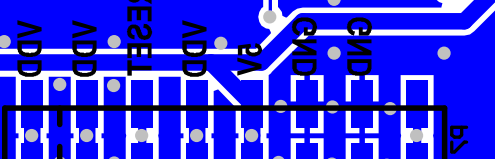
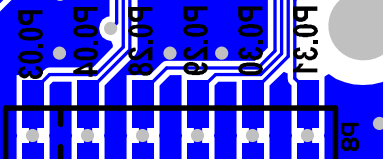
URF25 target



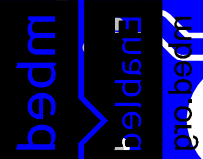
b0'10	NEC5		
b0'00	NEC1		
b0'08	RXD	2B10	
b0'01	C12	2B12	
b0'06	LXD	2B14	
b0'02	R12	2B13	
b0'01	X12	2B1	
b0'00	X11	2B4	
		2B5	

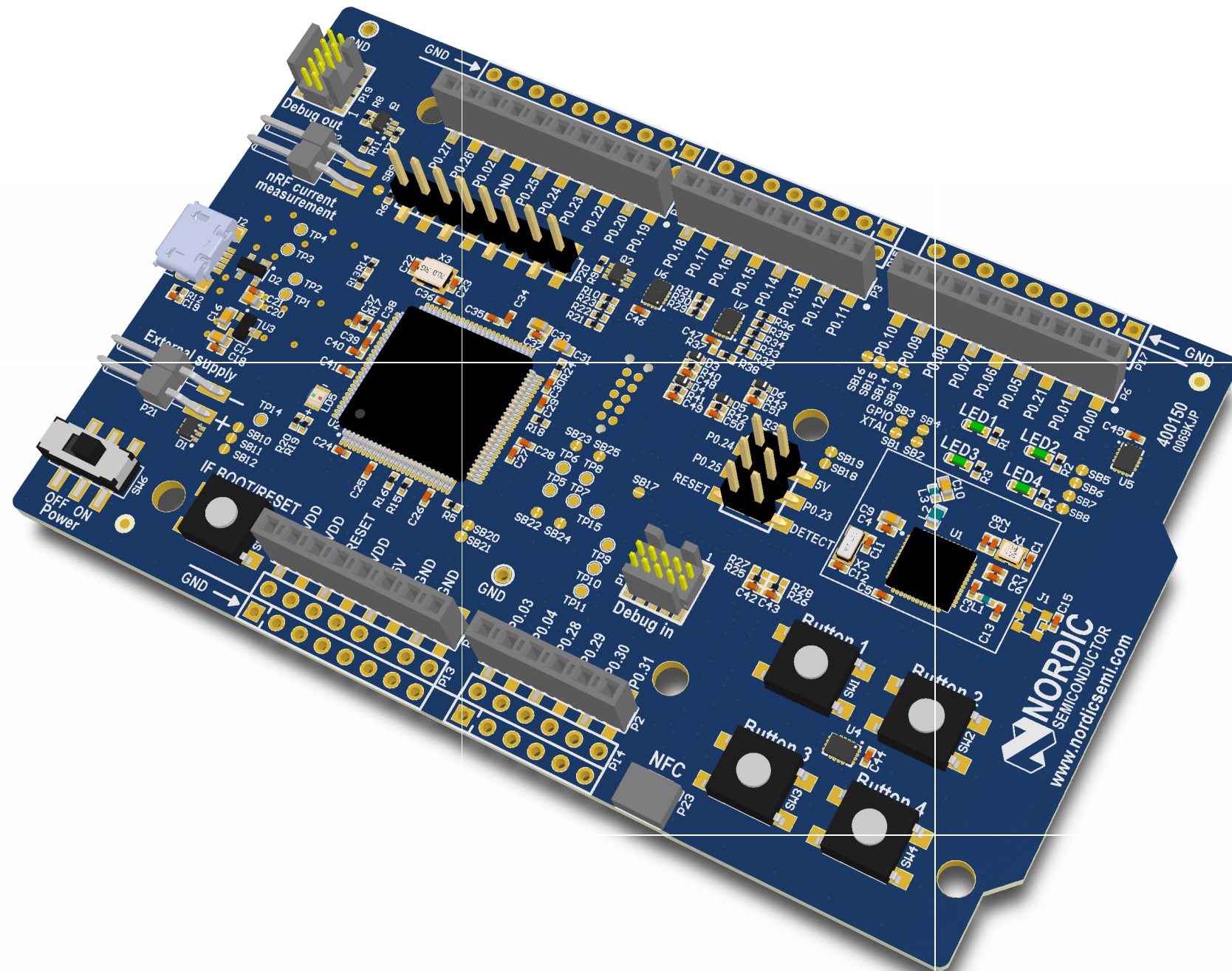
GPIO	Function	Short	HW
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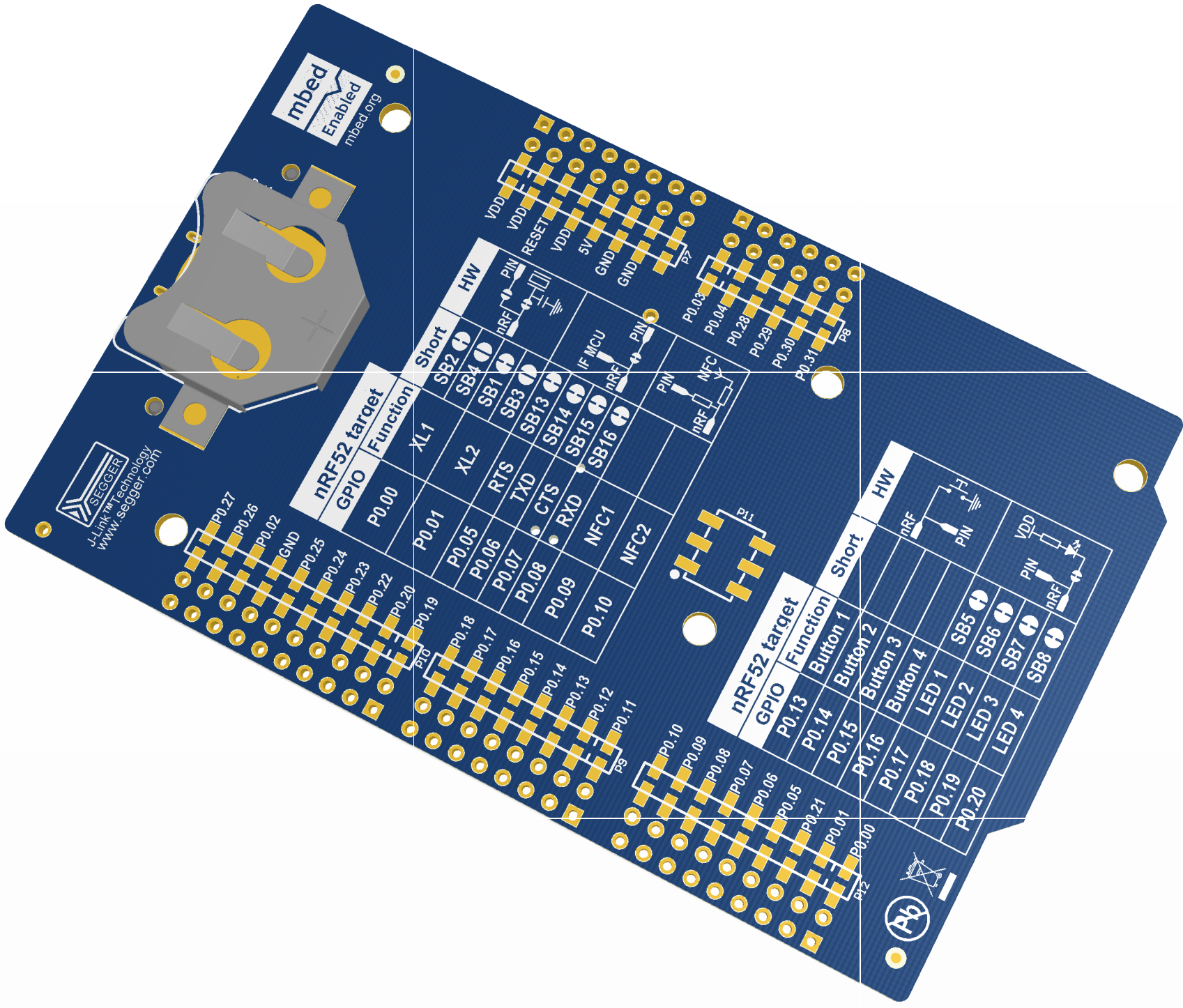
URF25 target



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nRF52 target		
GPIO	Function	Short
P0.00		

nRF52 target		
GPIO	Function	Short
P0.01	XL1	SB2
P0.05	XL2	SB4
P0.06	RTS	SB1
P0.07	TXD	SB3
P0.08	CTS	SB13
P0.09	RXD	SB14
P0.10	NFC1	SB15
	NFC2	SB16



nRF52 target		
GPIO	Function	Short
P0.13	Button 1	
P0.14	Button 2	
P0.15	Button 3	
P0.16	Button 4	
P0.17	LED 1	
P0.18	LED 2	
P0.19	LED 3	
P0.20	LED 4	

