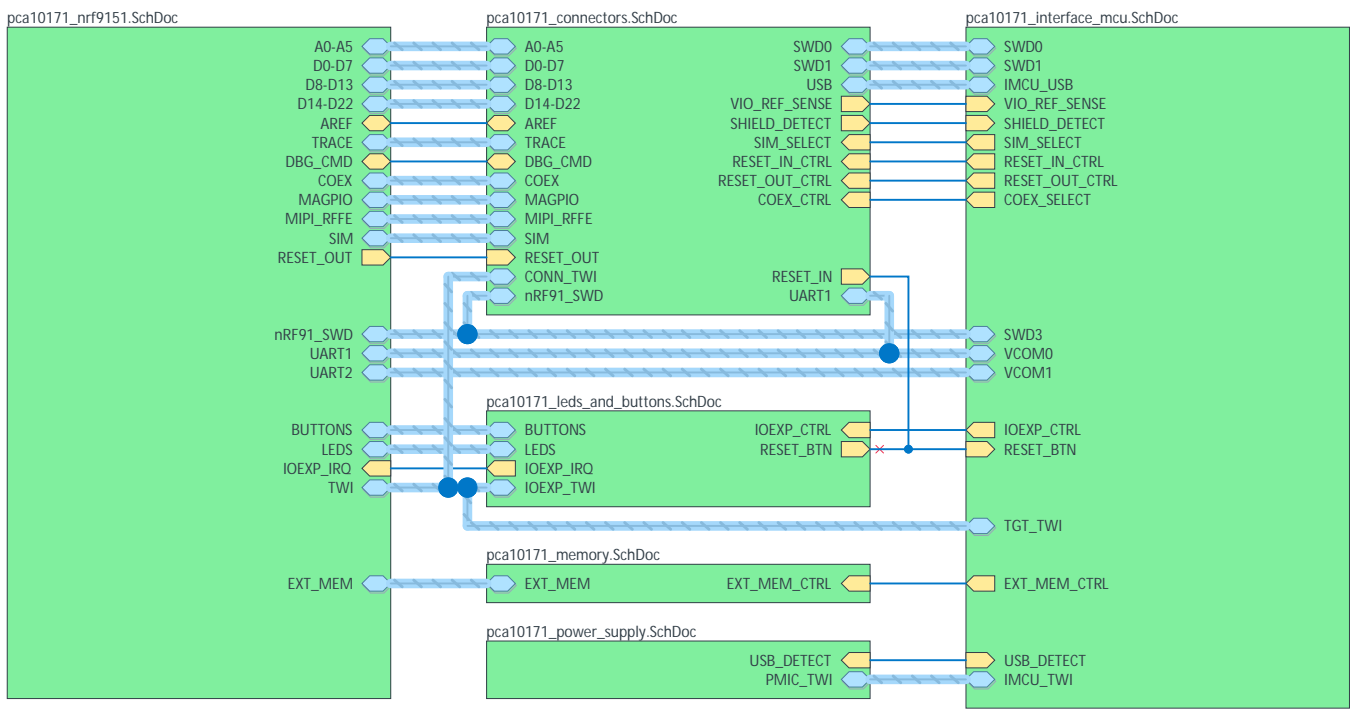


Nordic Semiconductor ASA

nRF9151 Development Kit (PCA10171)


Sheet 1:	Top Level
Sheet 2:	nRF9151
Sheet 3:	Interface MCU
Sheet 4:	LEDs and Buttons
Sheet 5:	IO Expander
Sheet 6:	Memory
Sheet 7:	Connectors
Sheet 8:	Power Supply
Sheet 9:	Analog Switch 1
Sheet 10:	Analog Switch 2

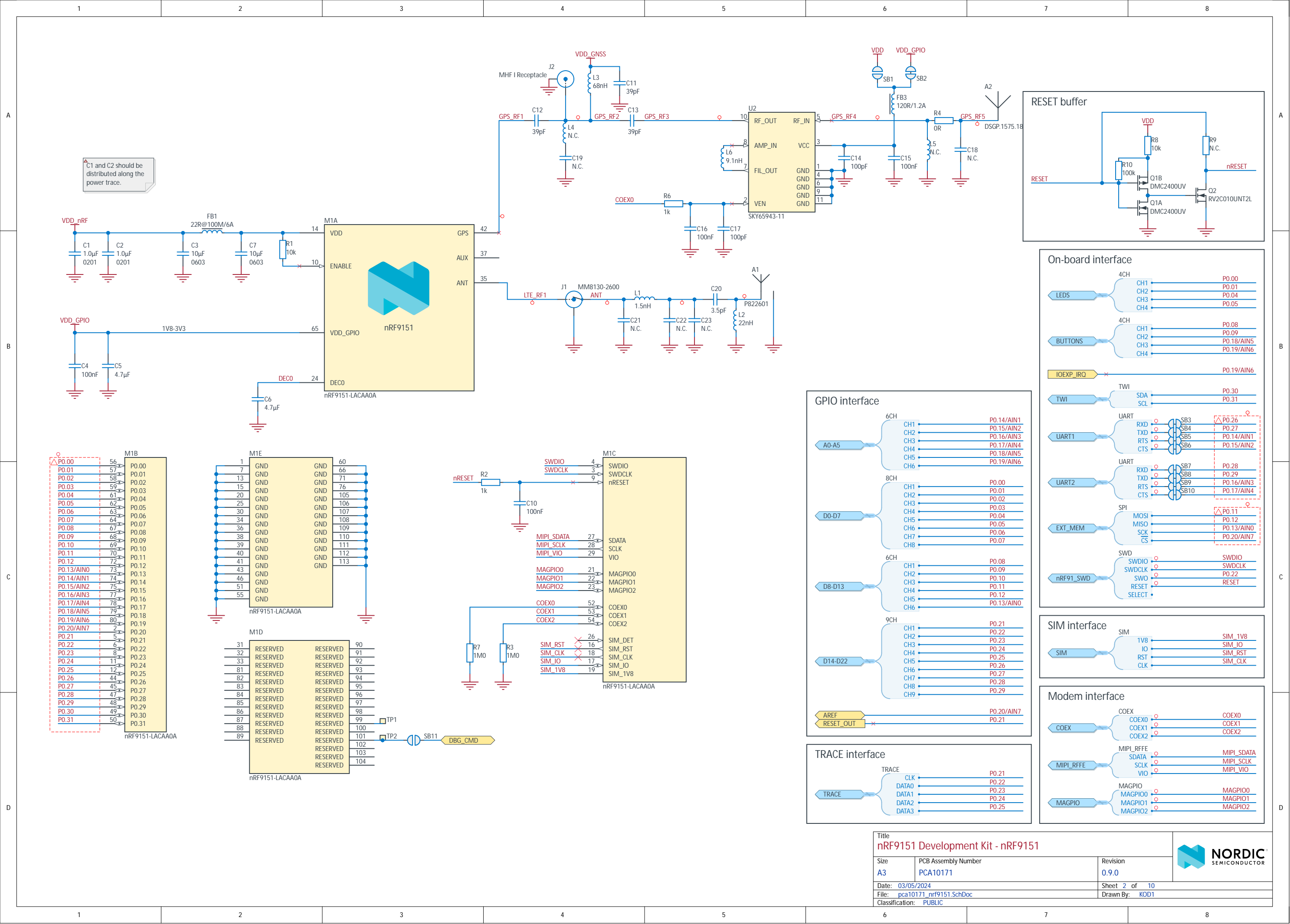


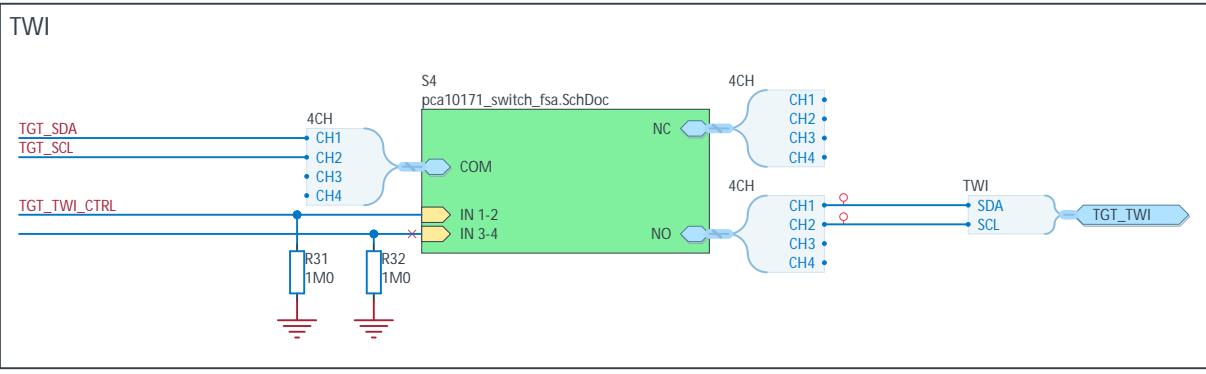
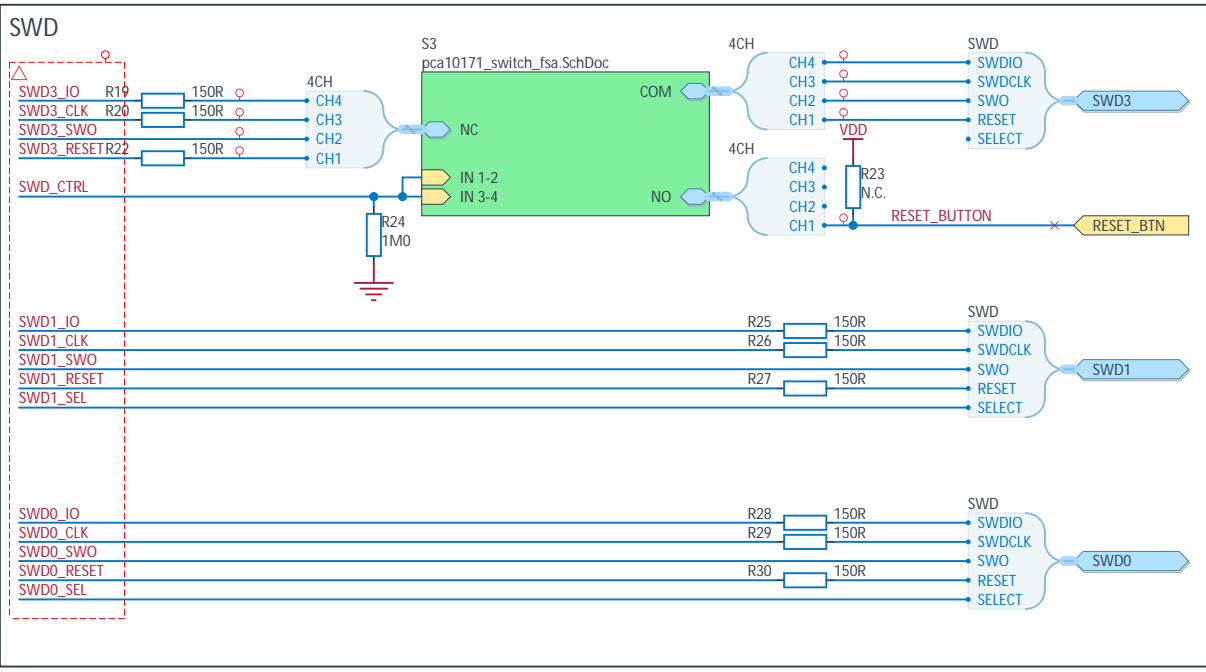
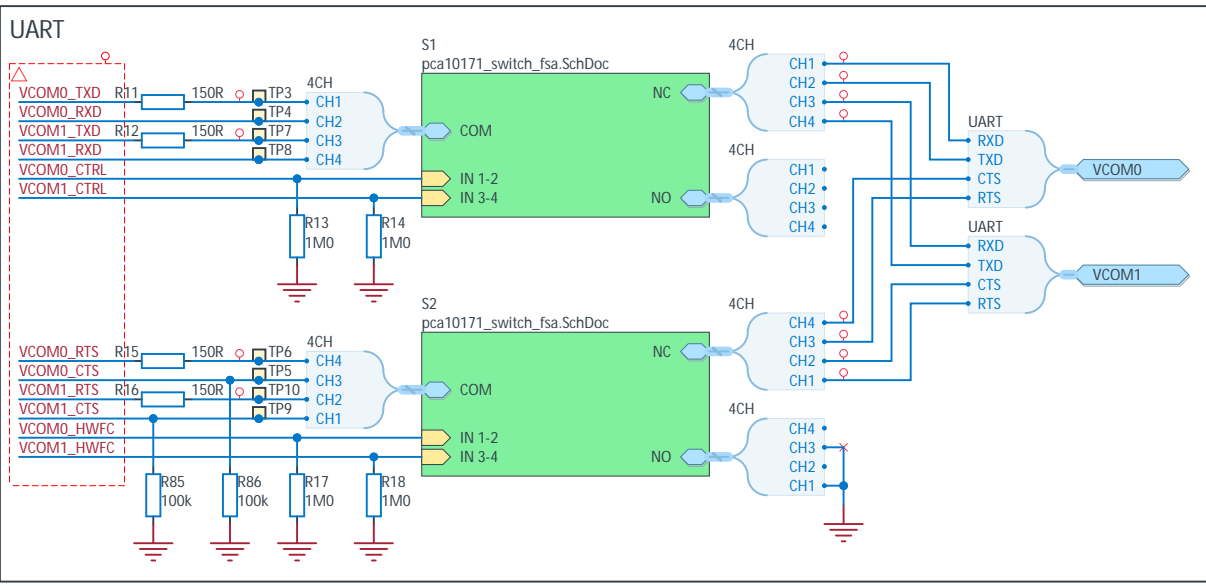
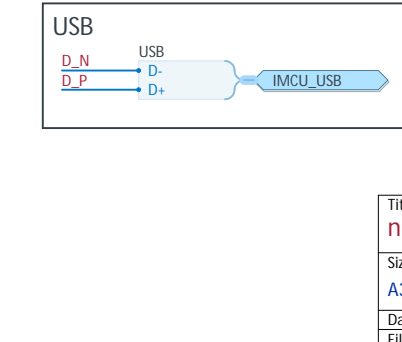
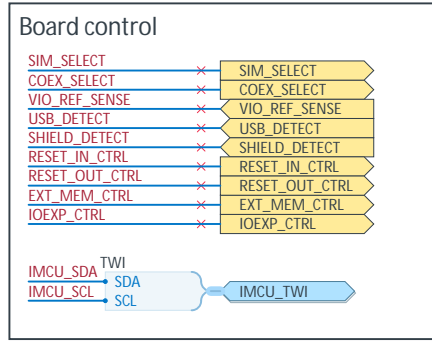
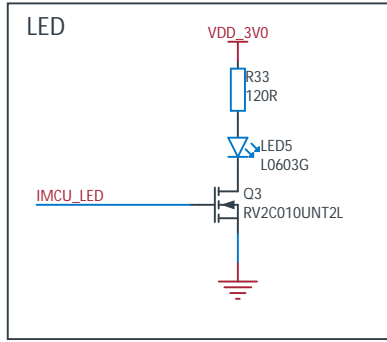
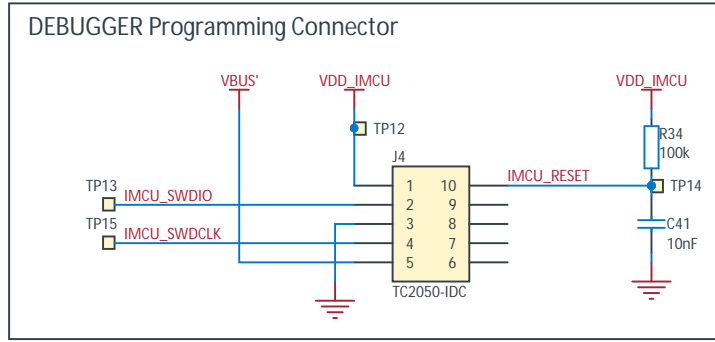
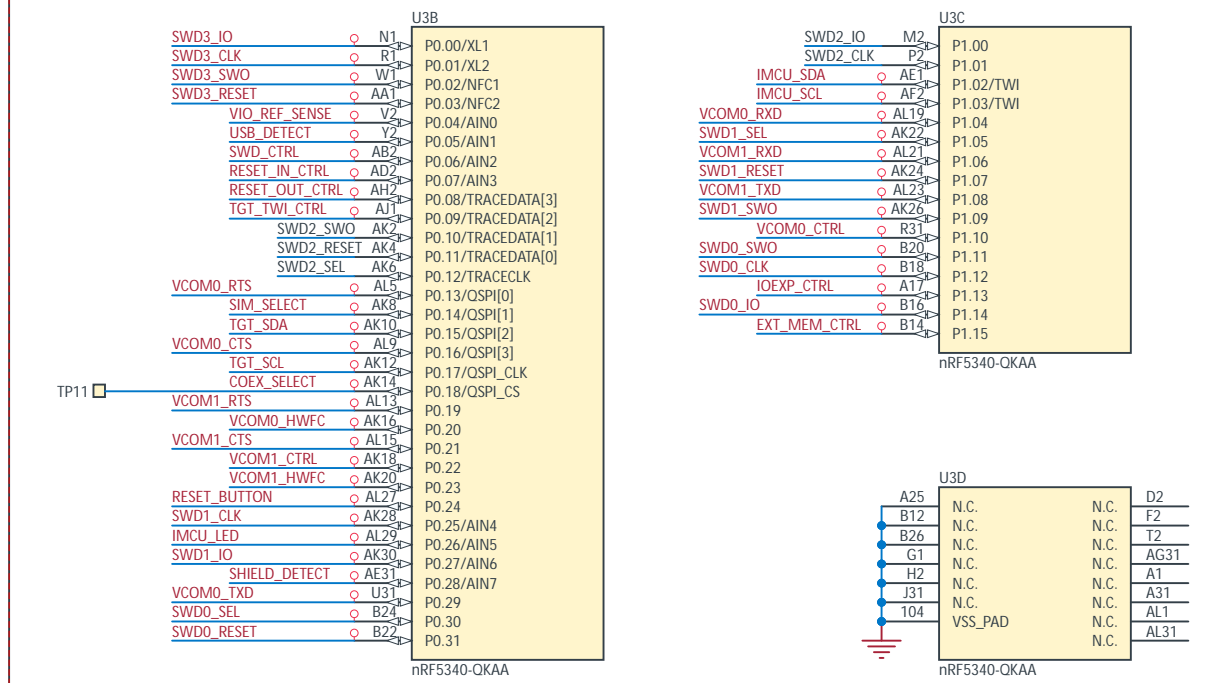
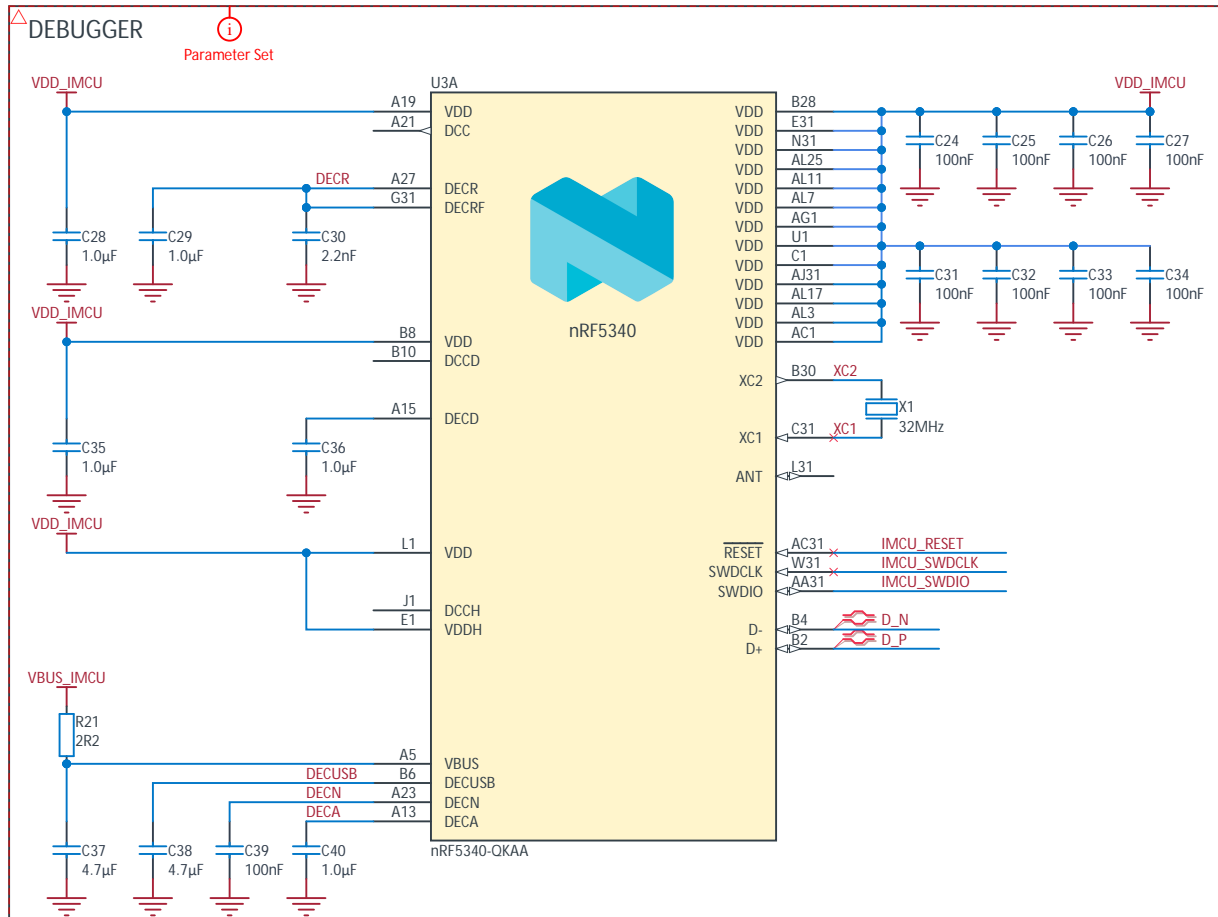
× The No ERC object is a design directive.
This directive is placed on a node in the circuit to suppress harmless warnings and/or error violation conditions that are detected when the schematic project is compiled.

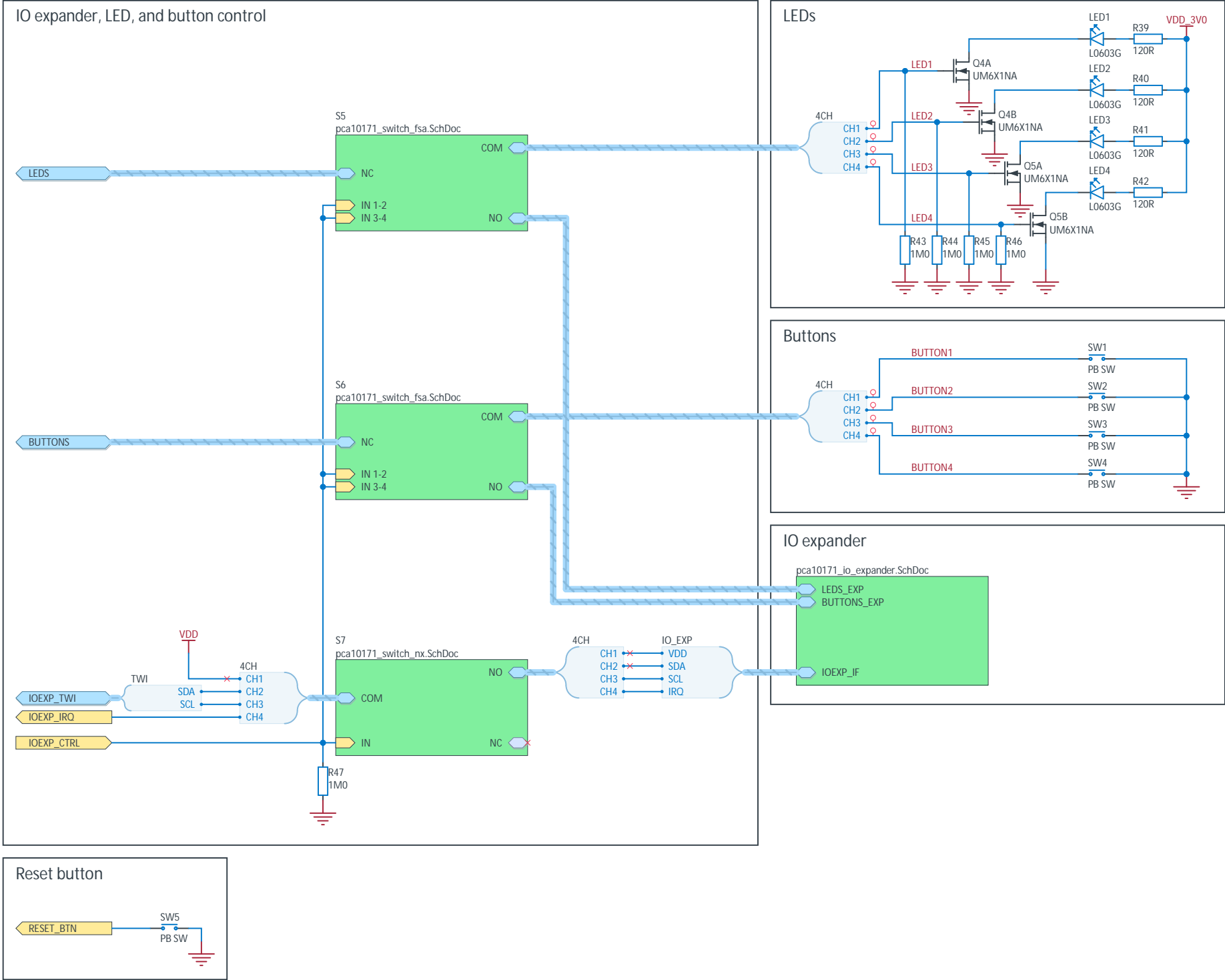


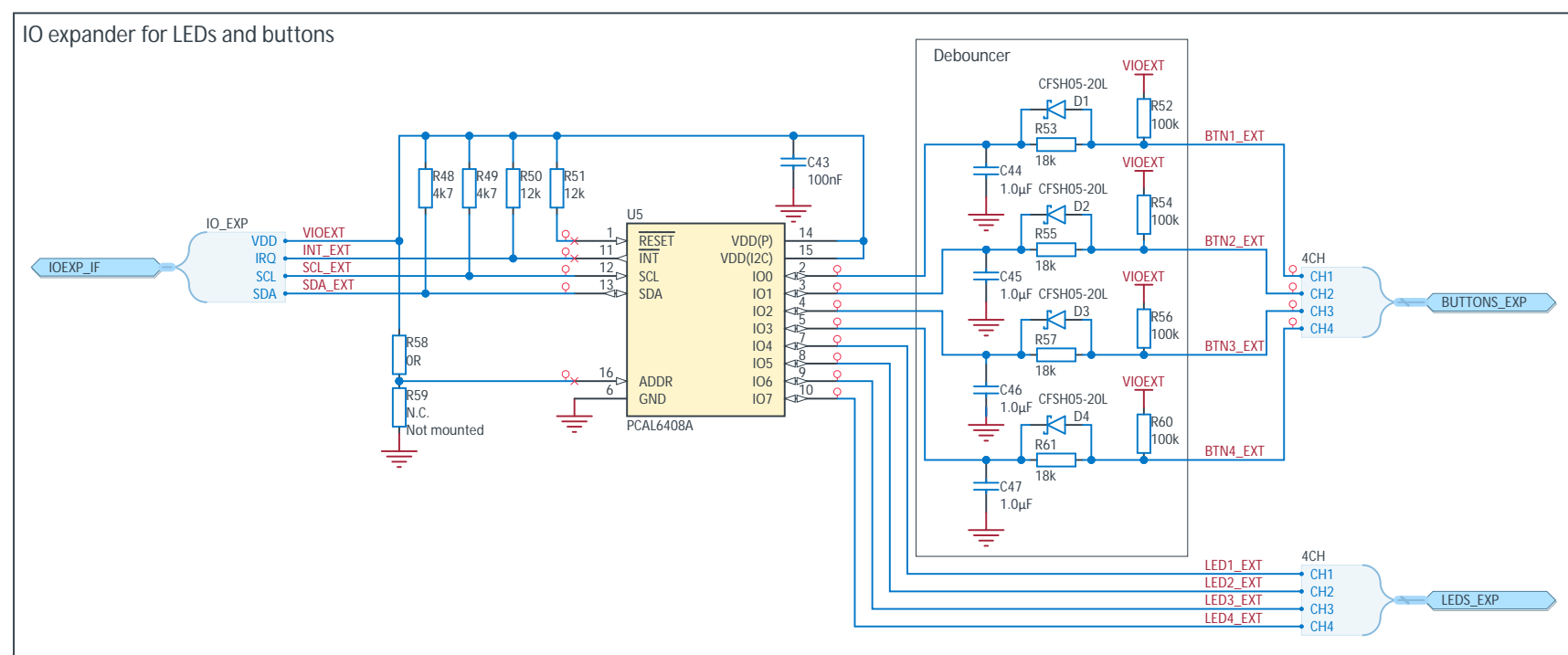
PCA10171
0.9.0
<year>. <week>
<UID>


Title nRF9151 Development Kit - Top Level			
Size A3	PCB Assembly Number PCA10171	Revision 0.9.0	
Date: 03/05/2024		Sheet 1 of 10	
File: pca10171_top_level.SchDoc		Drawn By: KOD1	
Classification: PUBLIC			

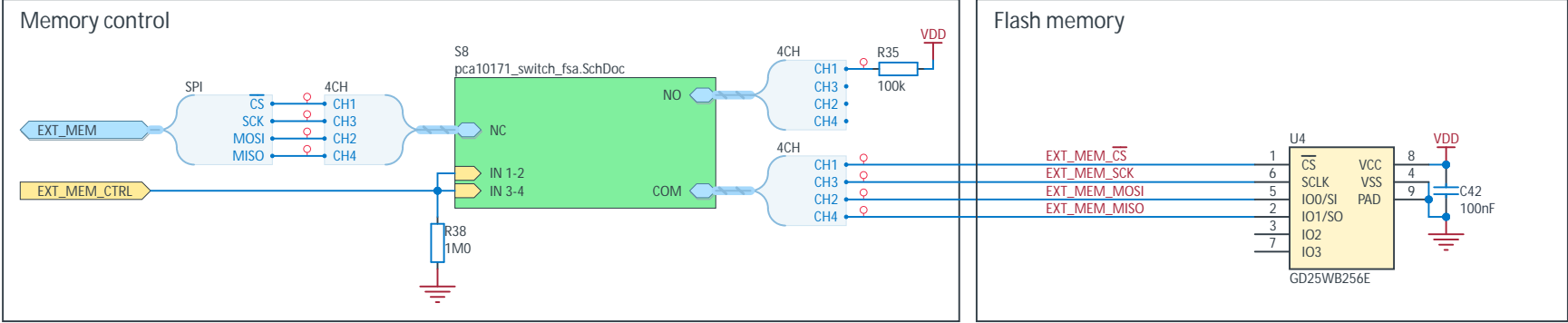




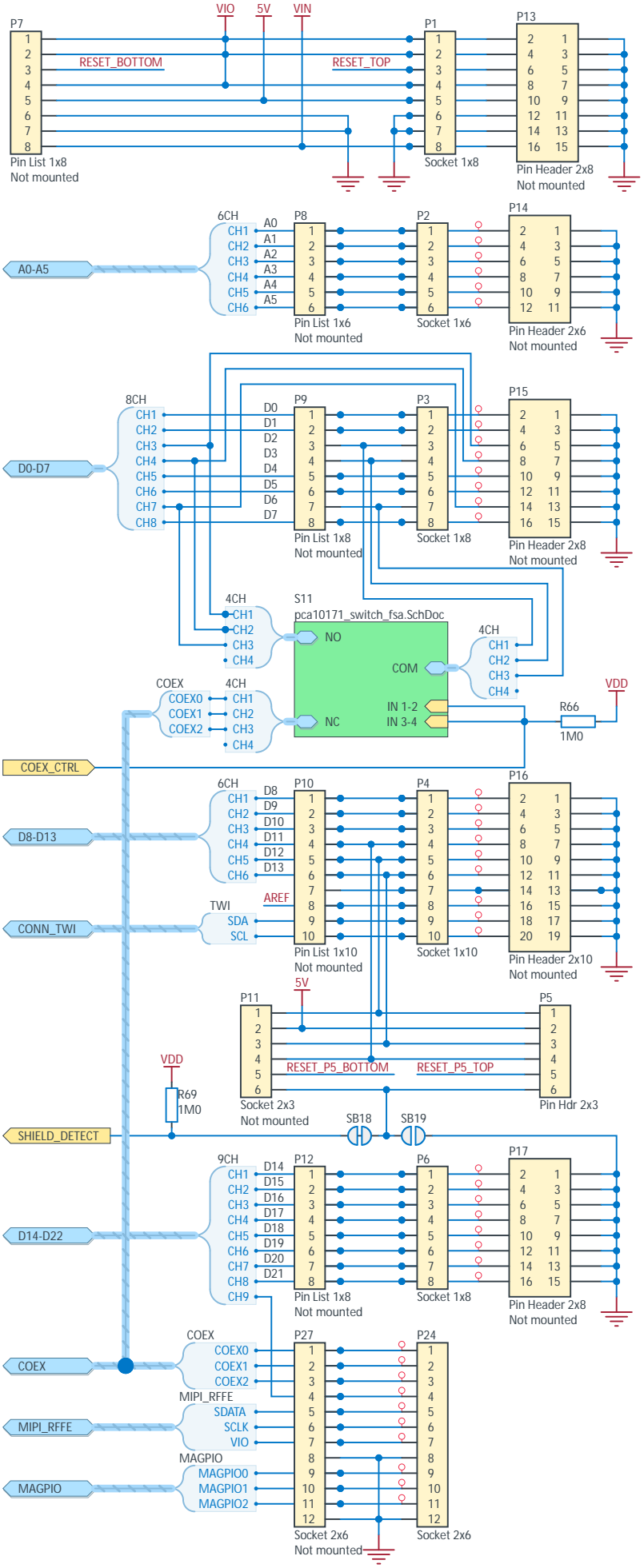




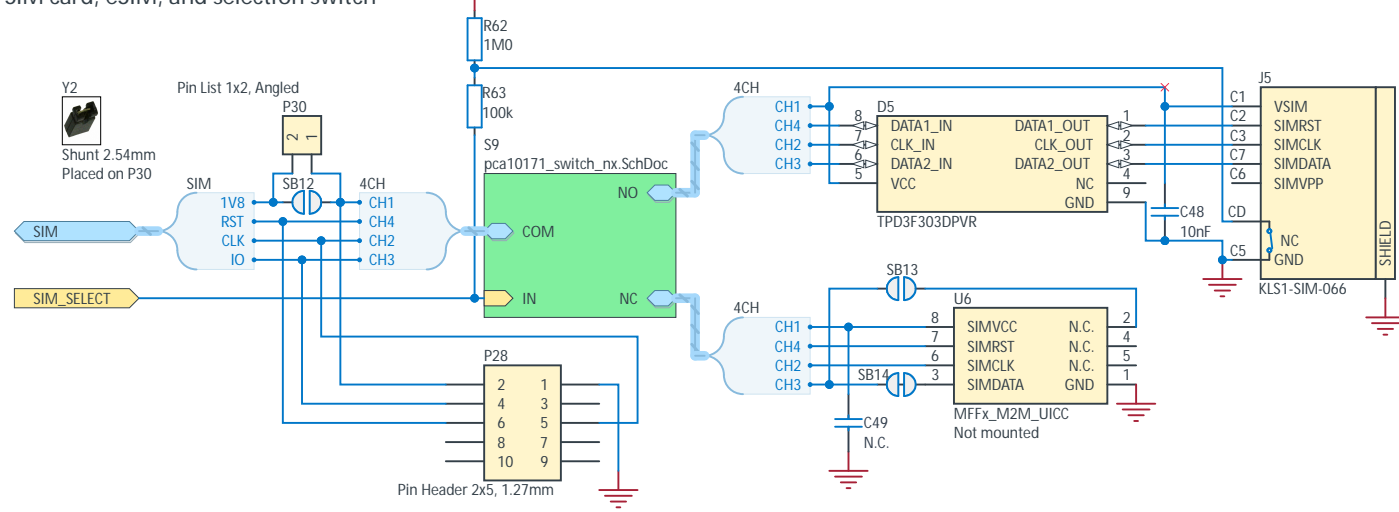
Title nRF9151 Development Kit - IO Expander		
Size A3	PCB Assembly Number PCA10171	
Revision 0.9.0		
Date: 03/05/2024		Sheet 5 of 10
File: pca10171_io_expander.SchDoc		Drawn By: KOD1
Classification: PUBLIC		



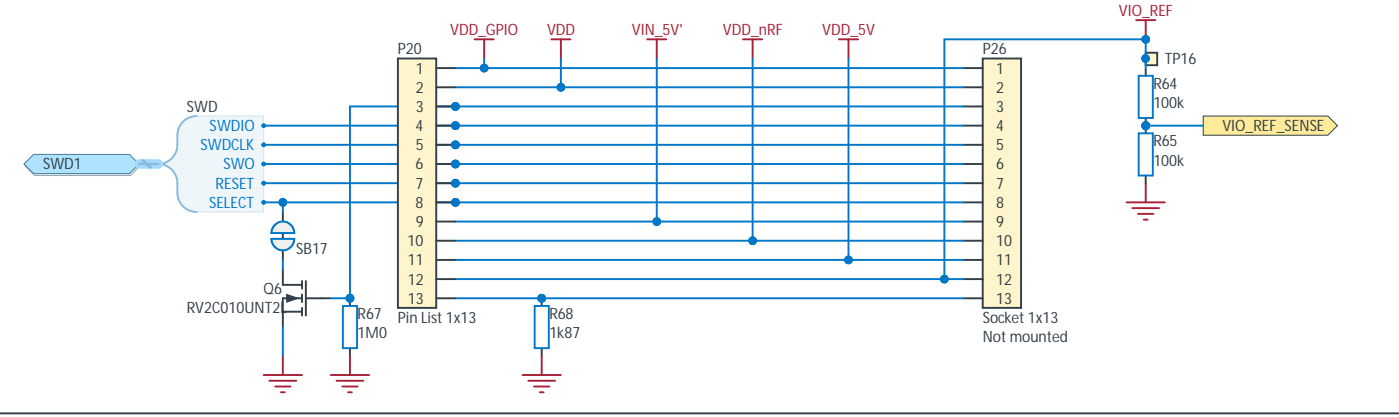
Interface connectors



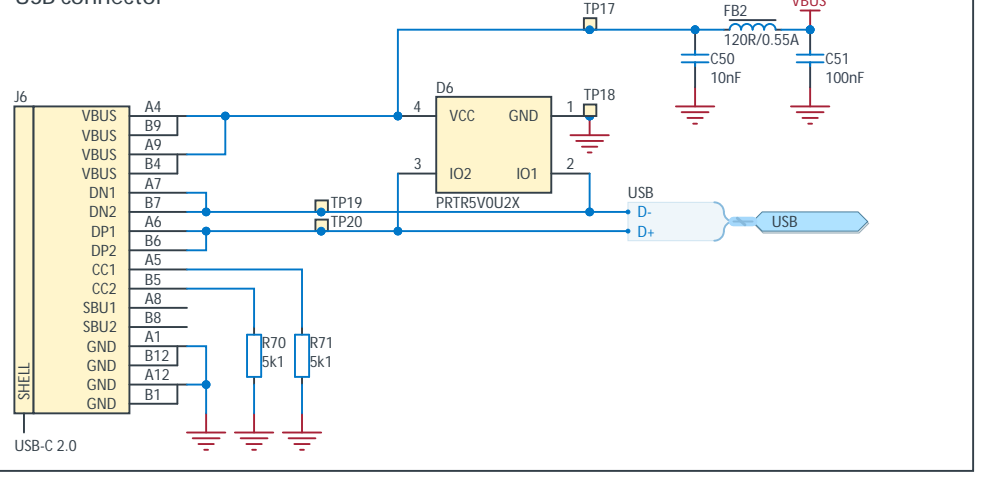
SIM card, eSIM, and selection switch



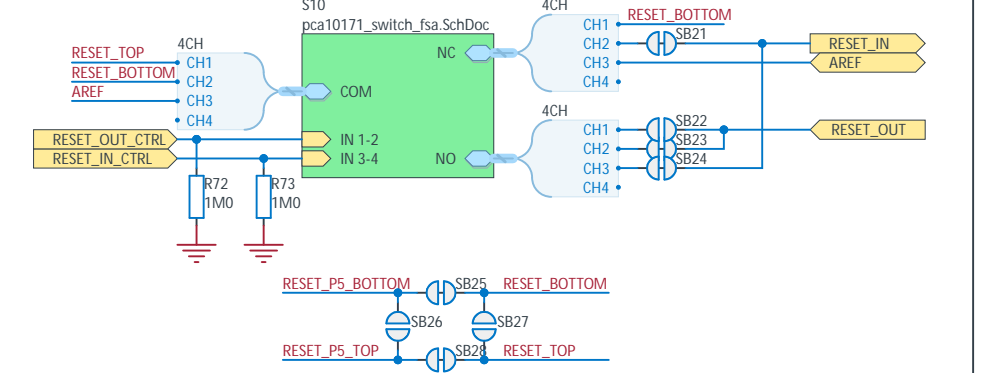
Shield debug and current measurement connector



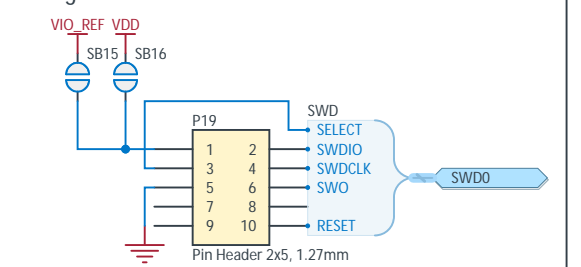
USB connector



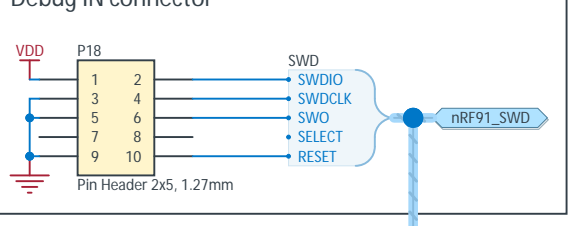
RESET config



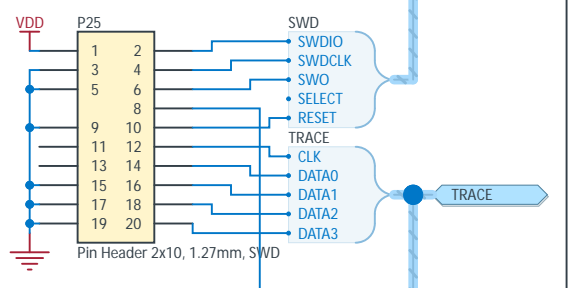
Debug OUT connector



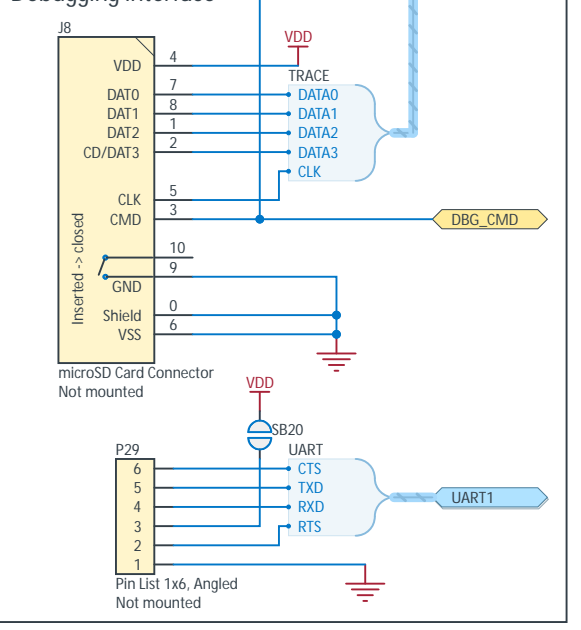
Debug IN connector



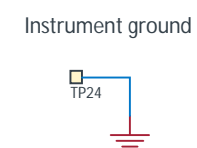
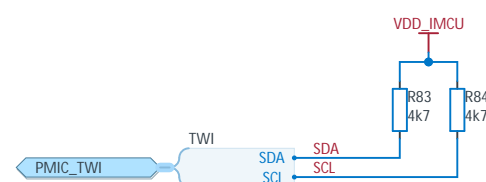
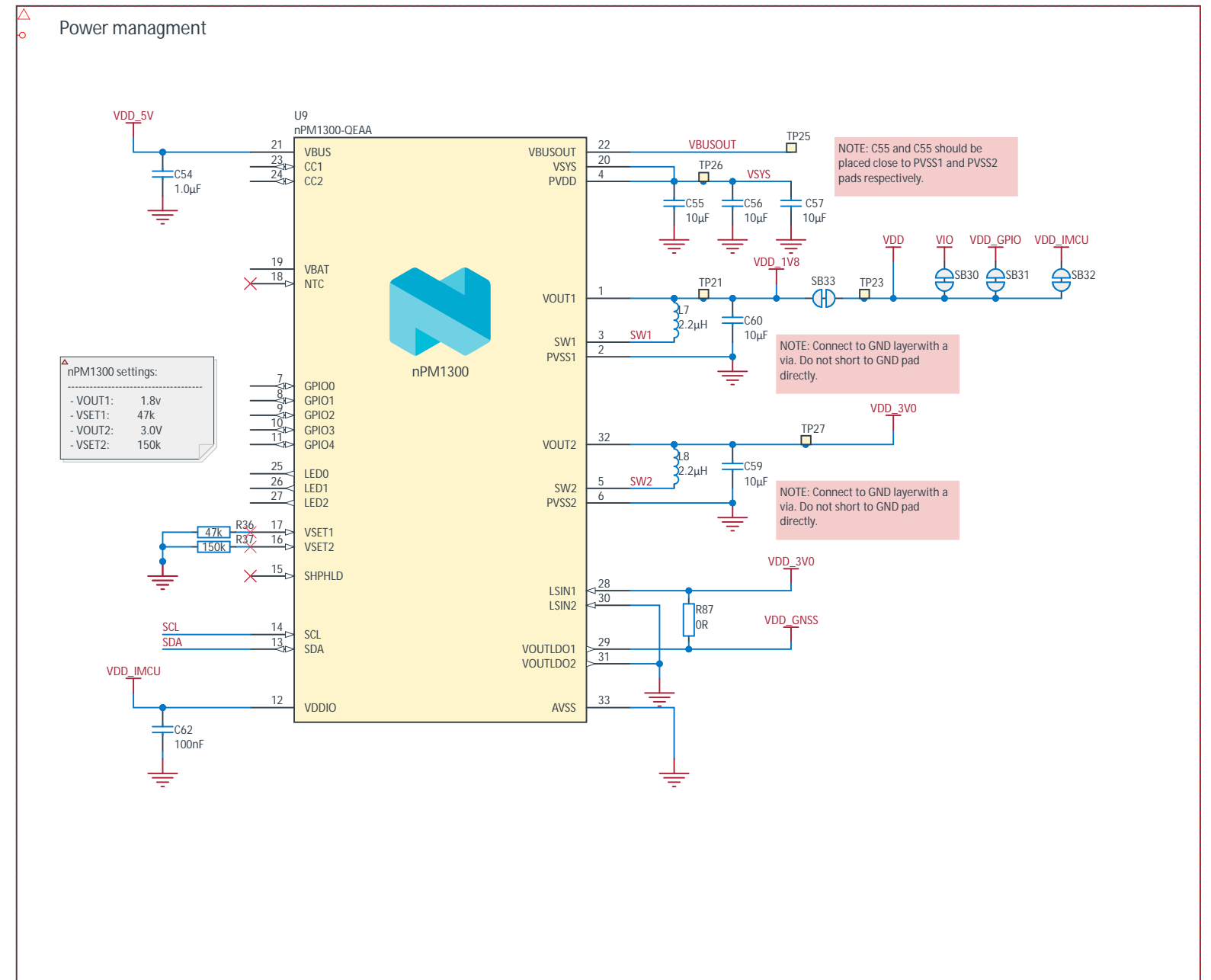
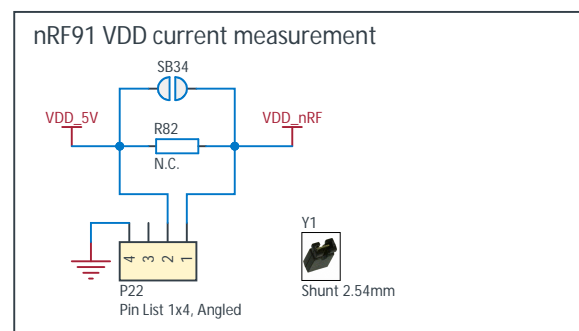
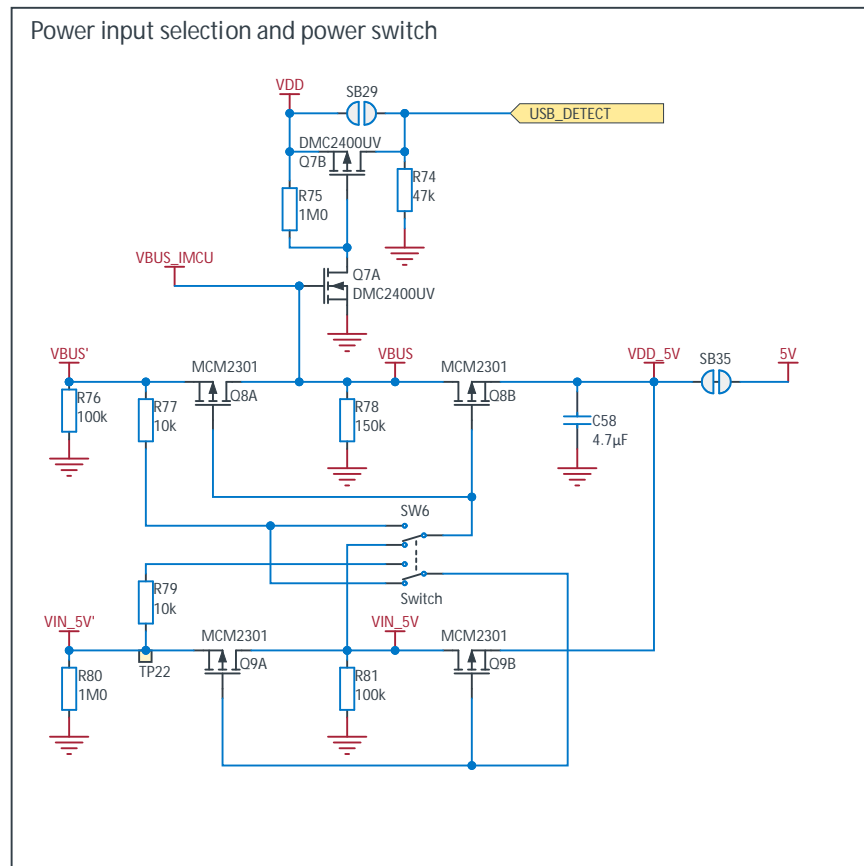
Trace connector




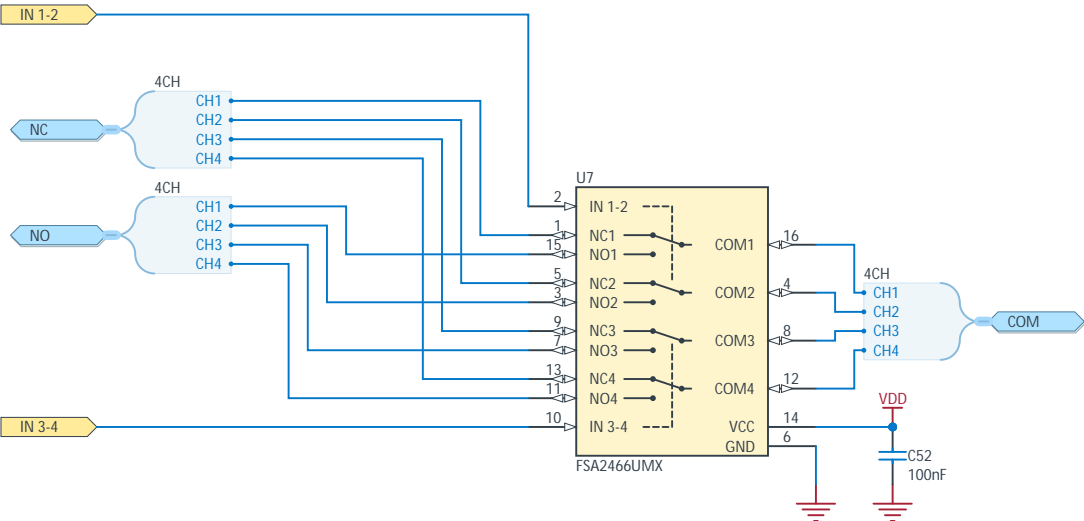
Debugging interface

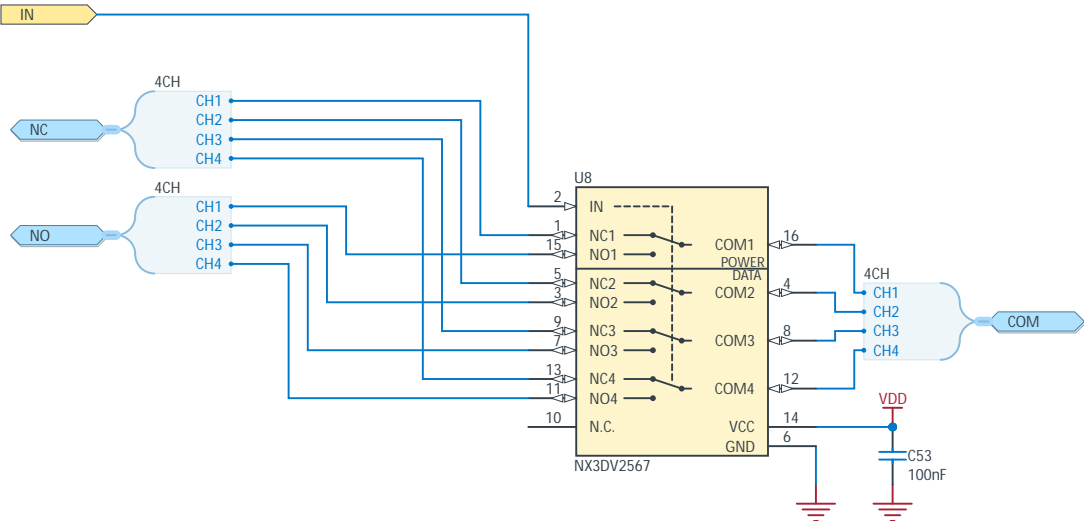


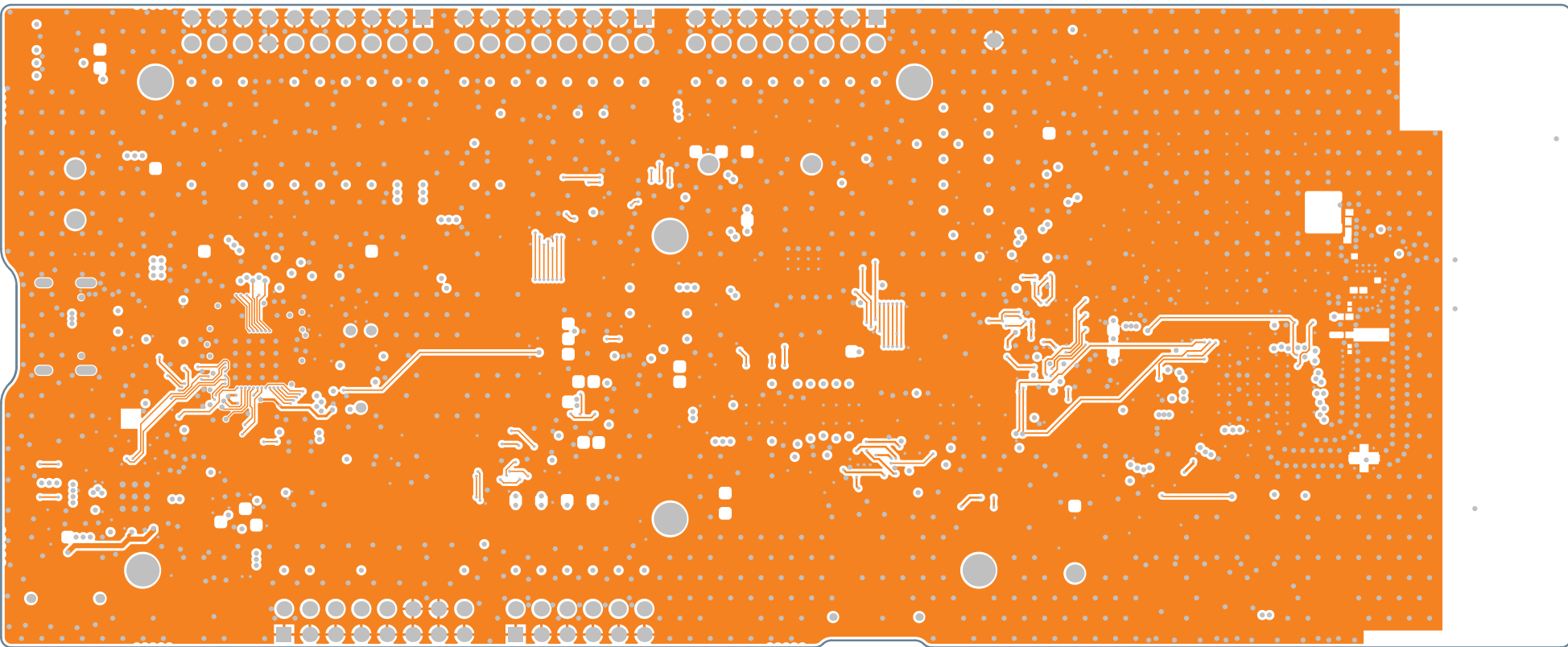
Title nRF9151 Development Kit - Connectors			
Size A3	PCB Assembly Number PCA10171	Revision 0.9.0	
Date: 03/05/2024		Sheet 7 of 10	
File: pca10171_connectors.SchDoc		Drawn By: KOD1	
Classification: PUBLIC			

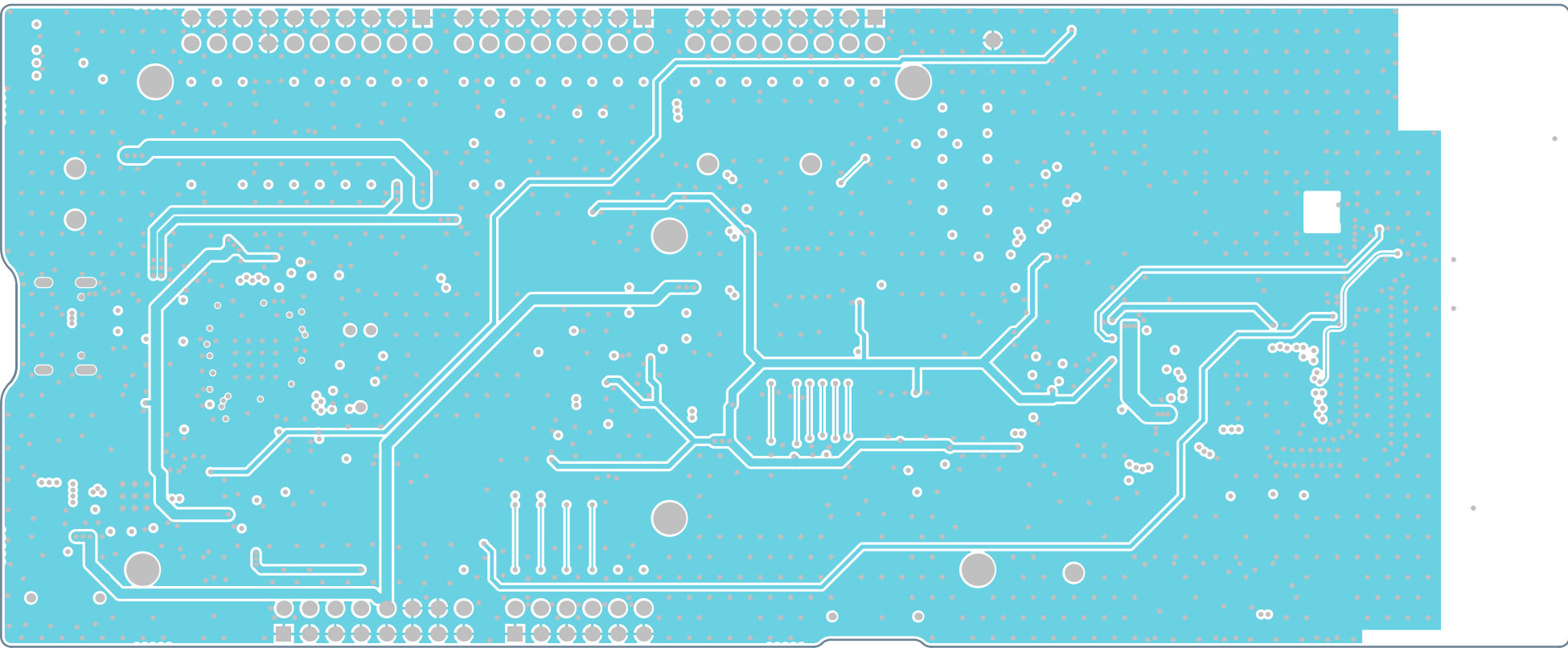


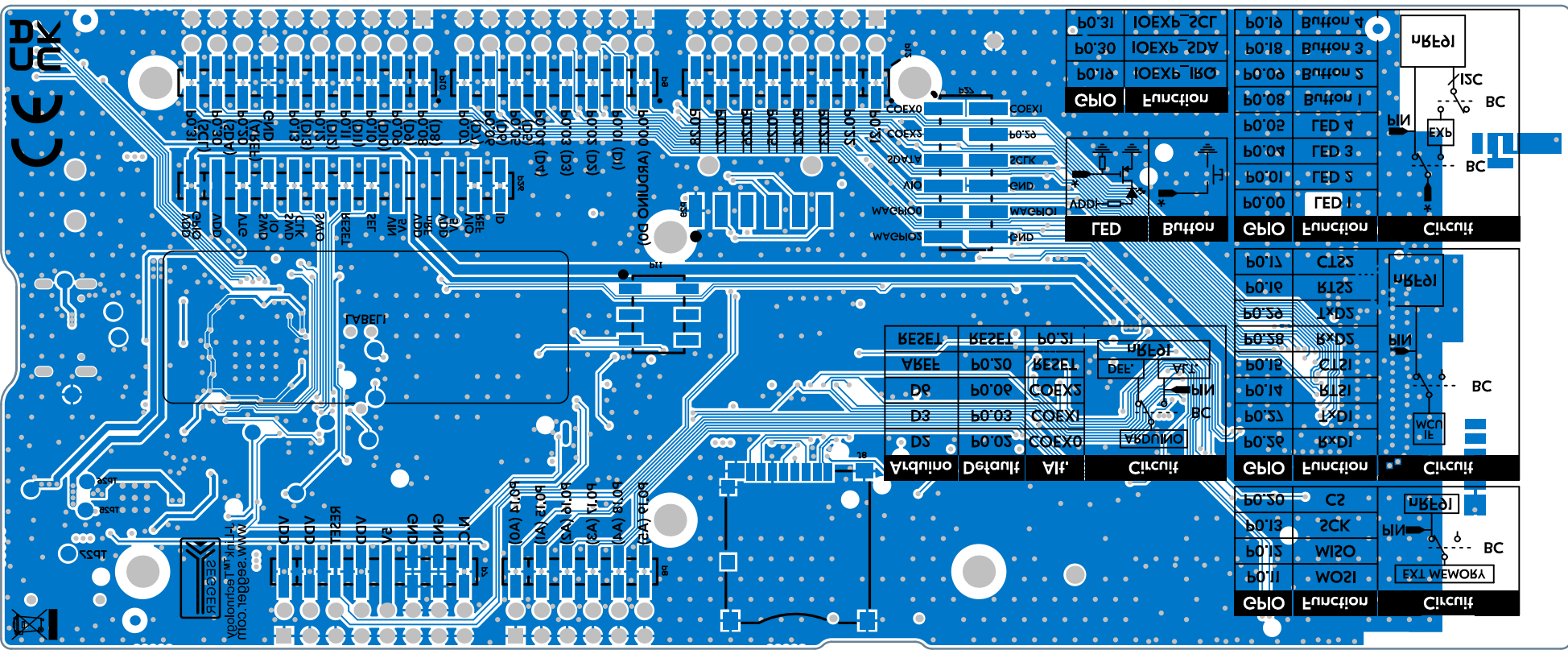
Title nRF9151 Development Kit - Power Supply		
Size A3	PCB Assembly Number PCA10171	
Revision 0.9.0		
Date: 03/05/2024		
Sheet 8 of 10		
File: pca10171_power_supply_SchDoc		
Drawn By: KOD1		
Classification: PUBLIC		



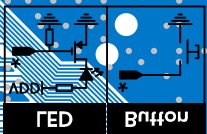




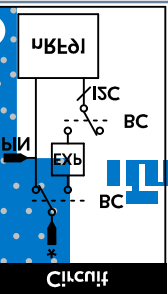




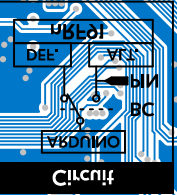
B0'31	IOEXB'2CF
B0'30	IOEXB'2DV
B0'18	IOEXB'18C
GPIO	Function



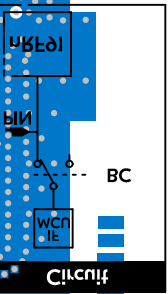
B0'18	Button 4
B0'18	Button 3
B0'08	Button 2
B0'02	Button 1
B0'02	LED 4
B0'04	LED 3
B0'01	LED 2
B0'00	LED 1
GPIO	Function



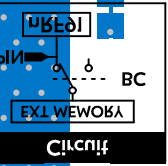
BE2E1	BE2E1	B0'31
ABEE	B0'30	BE2E1
D8	B0'08	COEXS
D3	B0'03	COEXI
D3	B0'03	COEX0
Arduino	Default	Alt

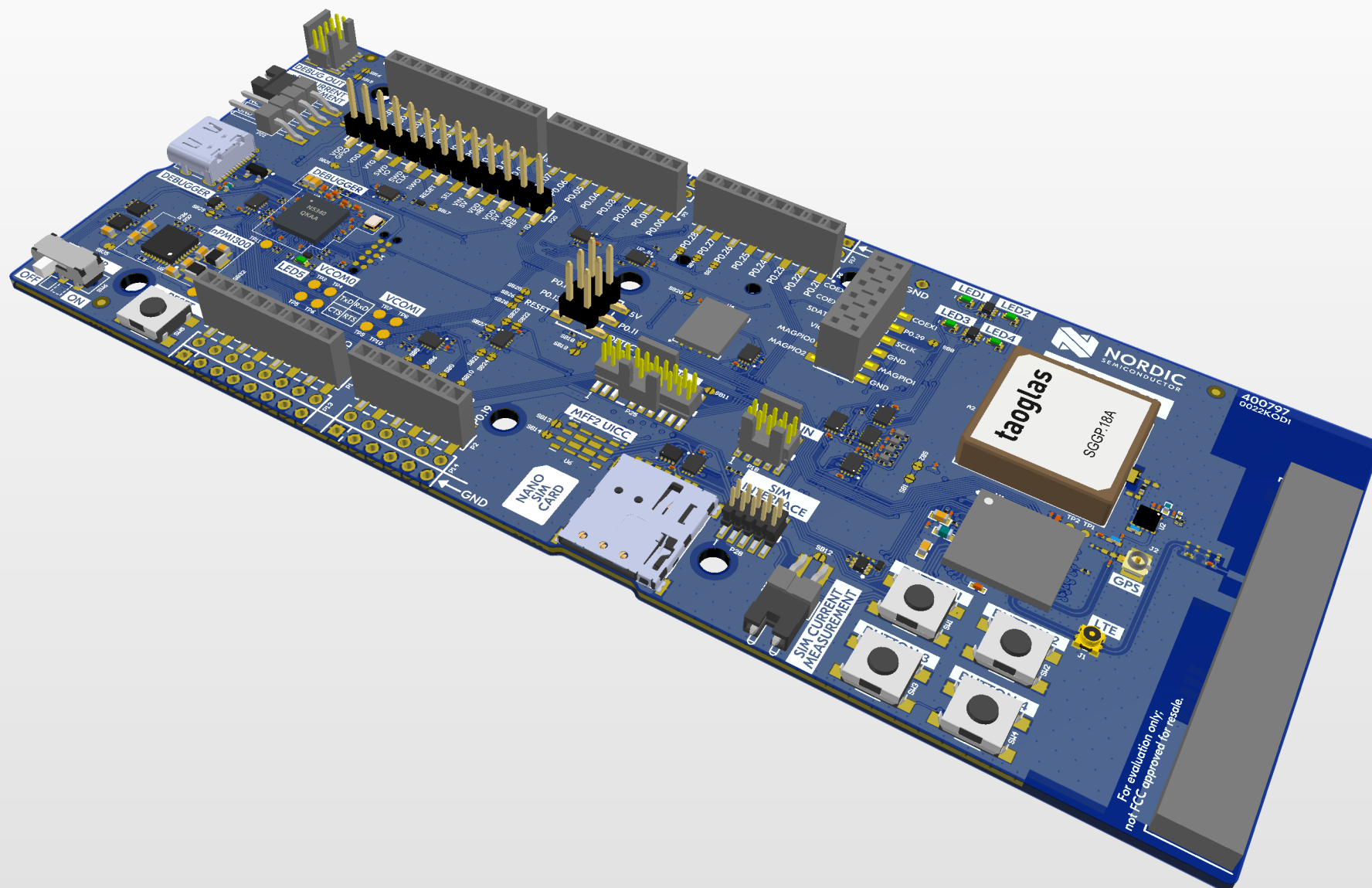


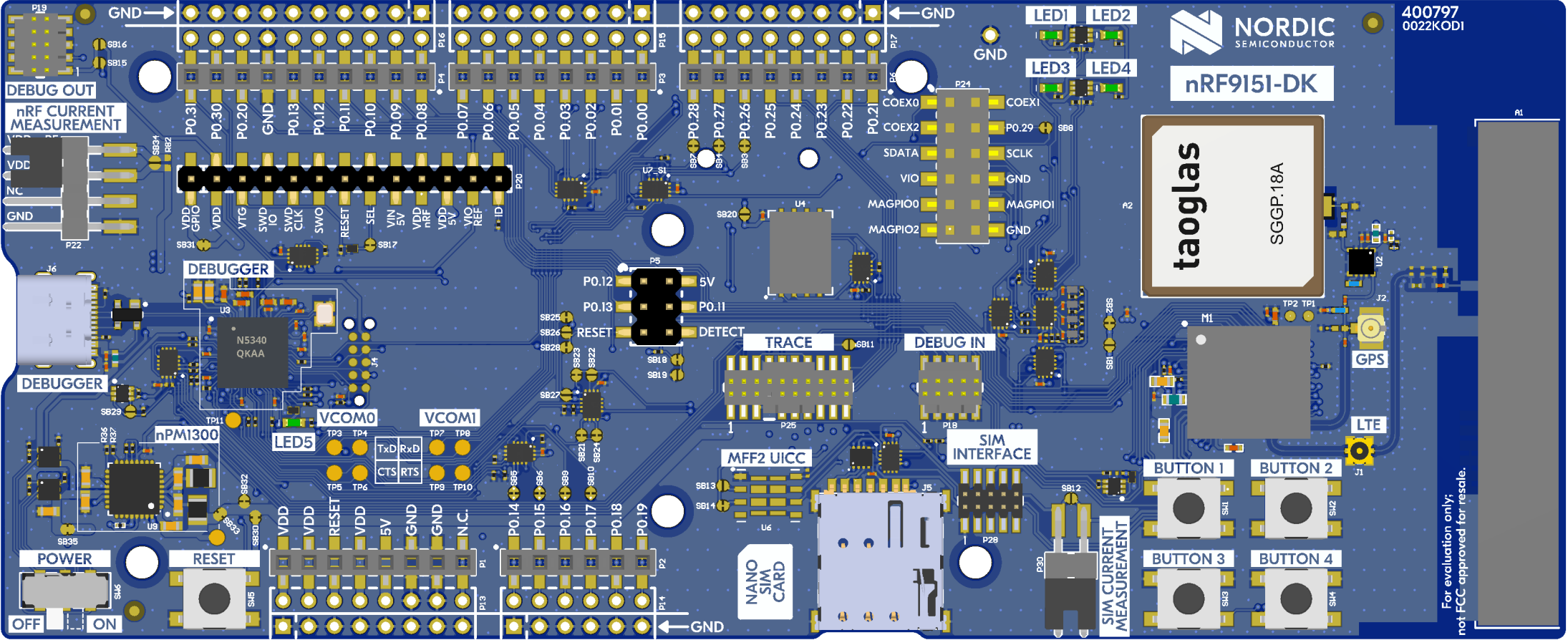
B0'18	C12S
B0'18	K12S
B0'30	TXDS
B0'38	RXDS
B0'18	C12I
B0'14	K12I
B0'32	TXDI
B0'38	RXDI
GPIO	Function



B0'30	C2
B0'13	2CK
B0'15	W120
B0'11	W021
GPIO	Function







For evaluation only;
not FCC approved for resale.

