


Nordic Semiconductor ASA

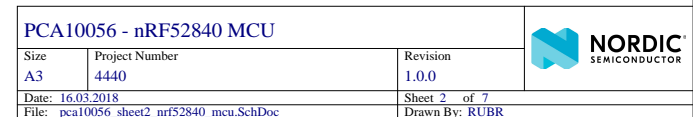
nRF52840 Bluetooth Low Energy/ANT/802.15.4/2.4GHz RF Development Board (PCA10056)

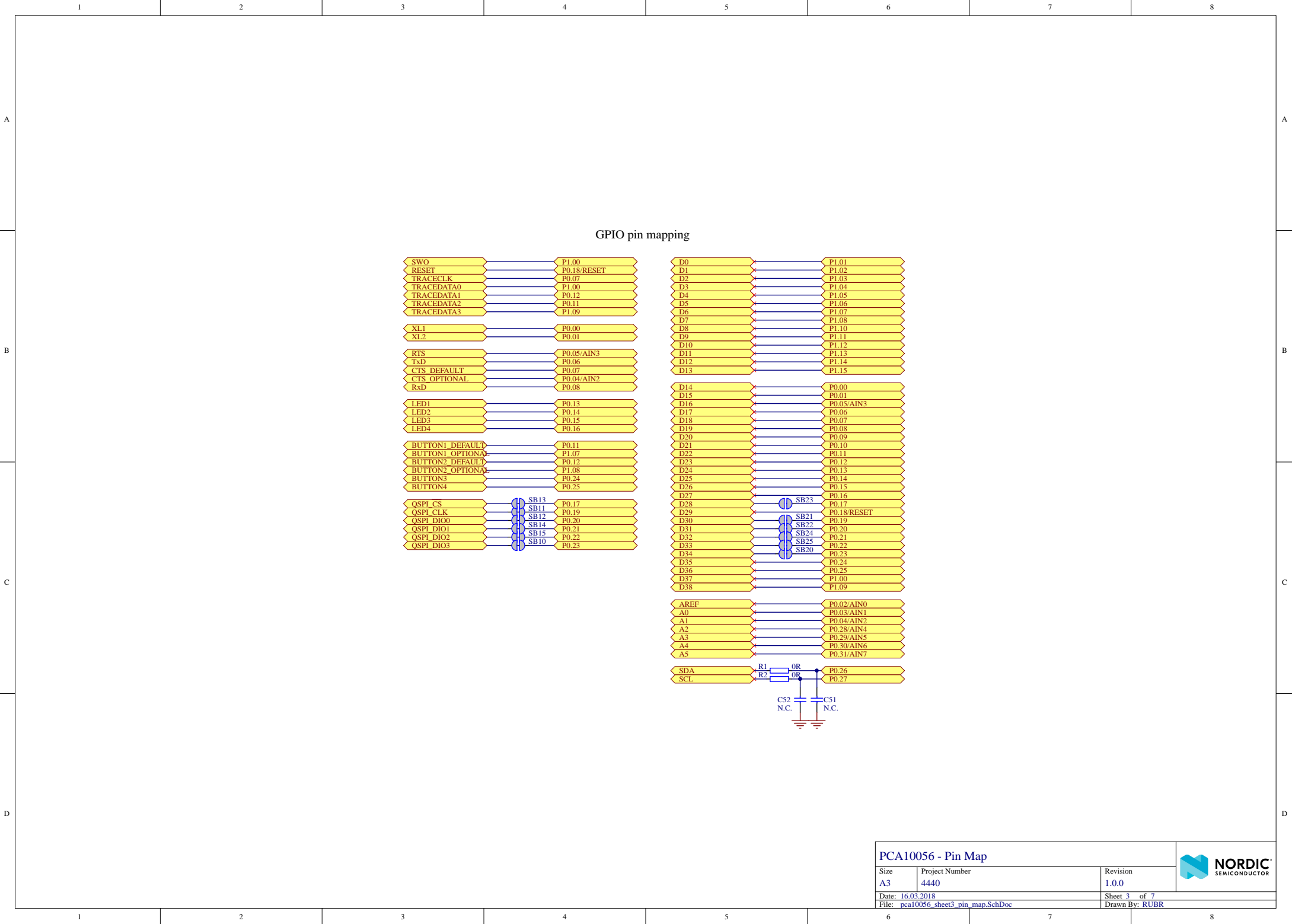
Sheet 1:	Cover
Sheet 3:	Pin Map
Sheet 2:	nRF Radio
Sheet 4:	Interface MCU
Sheet 5:	Miscellaneous
Sheet 6:	Connectors
Sheet 7:	Power Supply

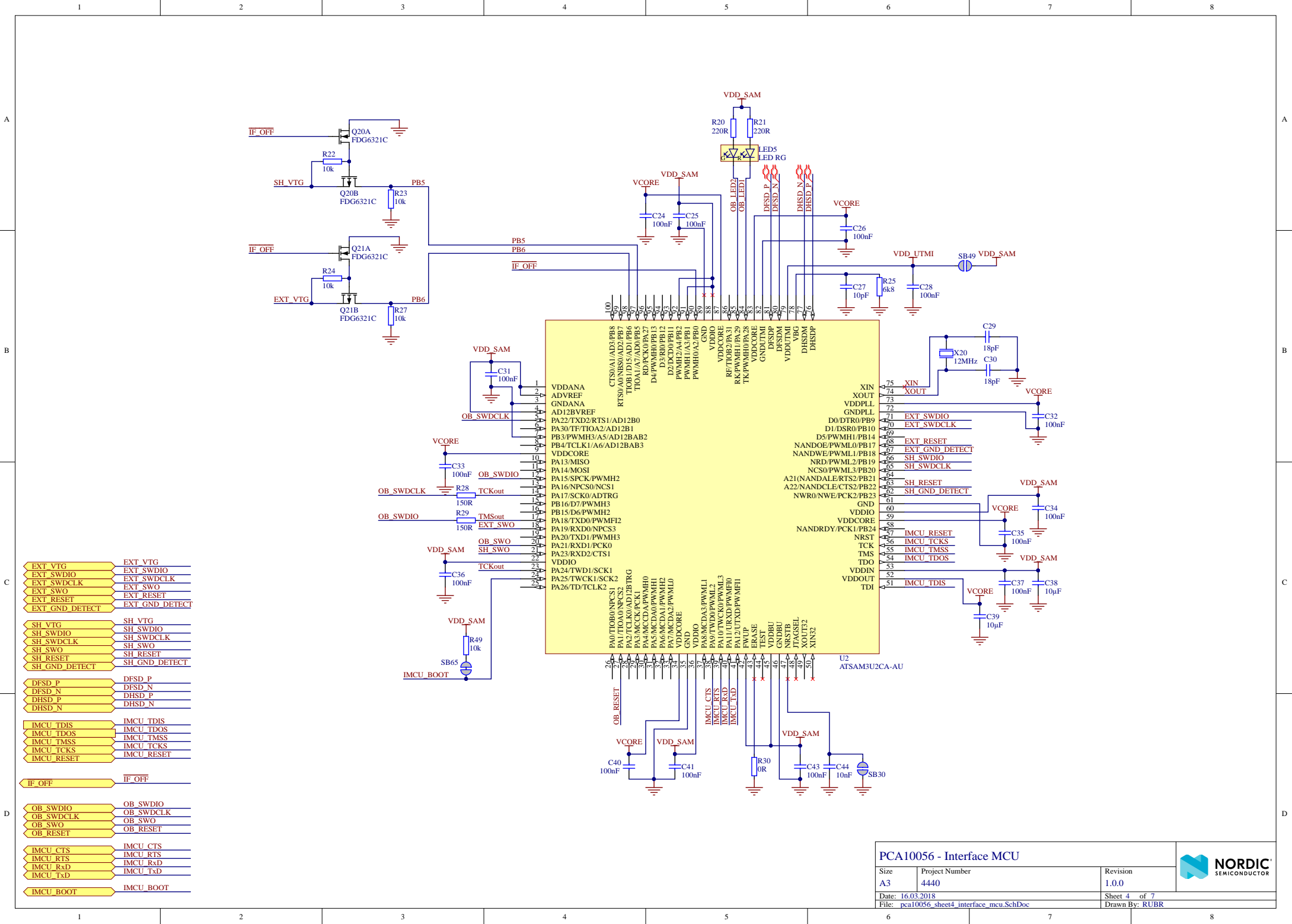
✖ The No ERC object is a design directive.
This directive is placed on a node in the circuit to suppress harmless warnings and/or error violation conditions that are detected when the schematic project is compiled.

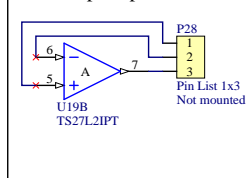
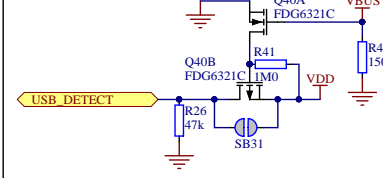
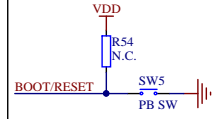
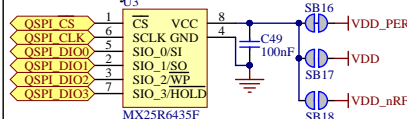
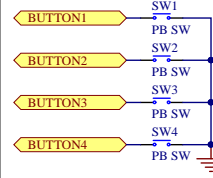
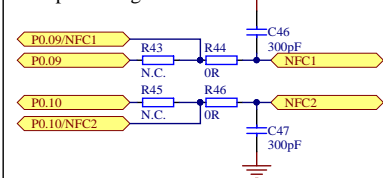
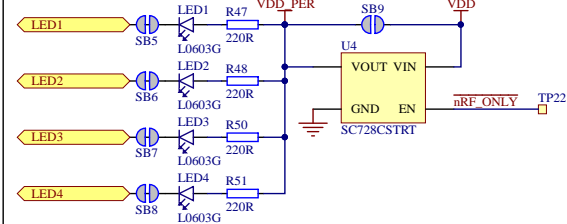
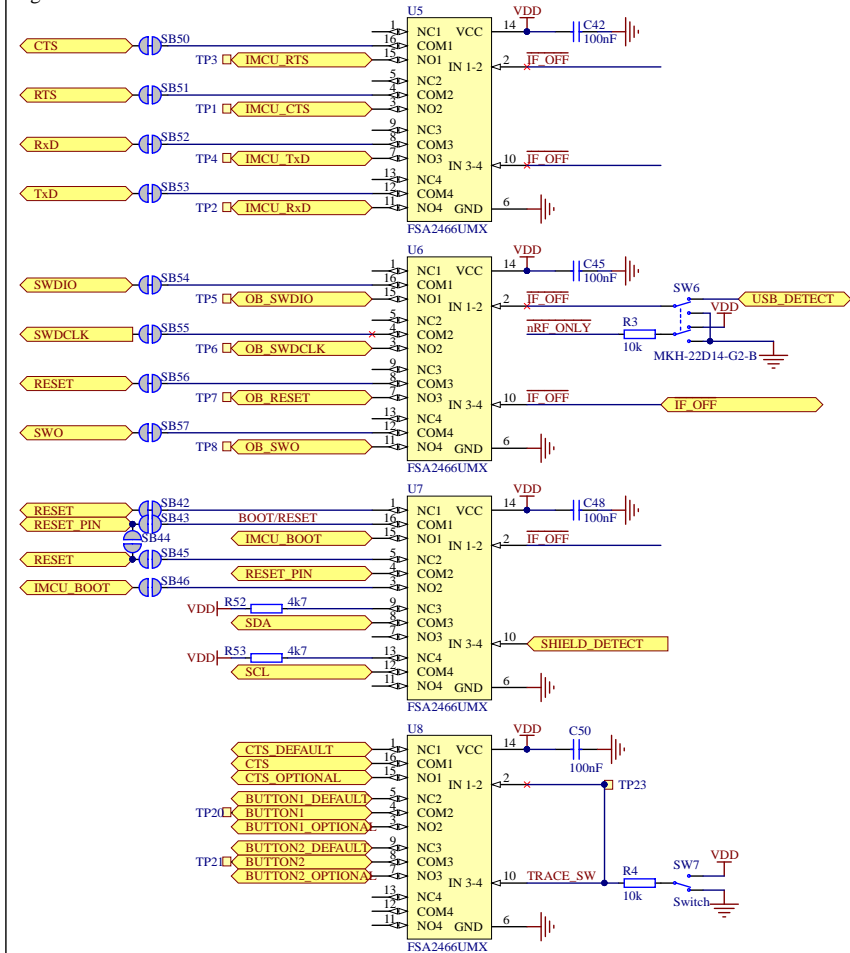
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PCA10056 - Cover			
Size A3	Project Number 4440	Revision 1.0.0	
Date: 16.03.2018		Sheet 1 of 7	
File: pca10056_sheet1_cover.SchDoc		Drawn By: RUBR	





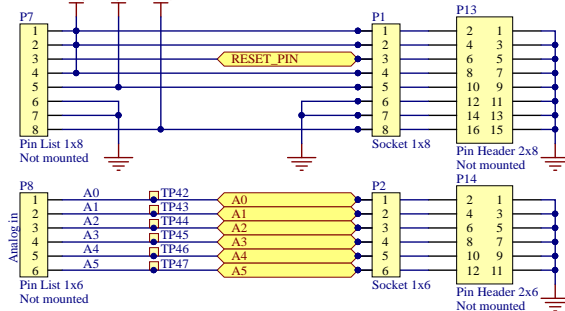




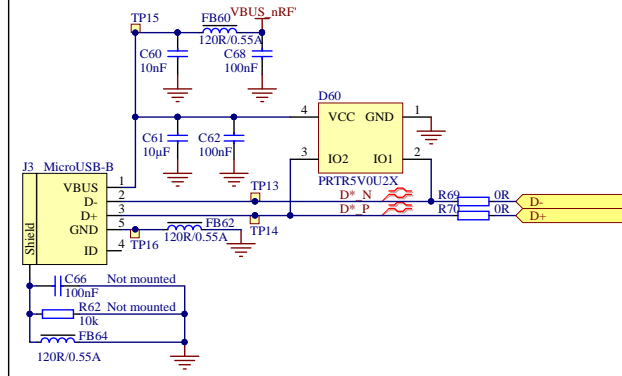
Arduino Interface Connectors

Bottom Connectors

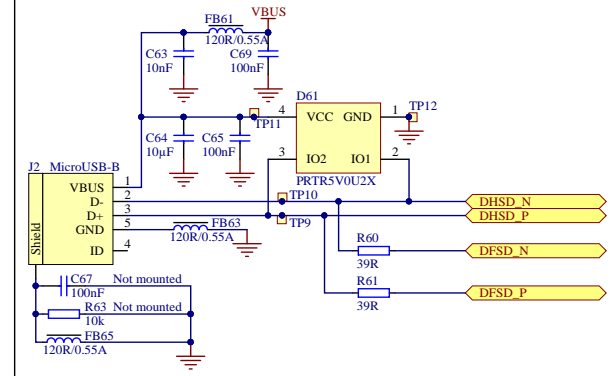
Top connectors



nRF USB Connector



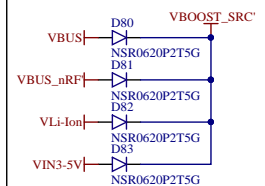
Interface MCU USB Connector



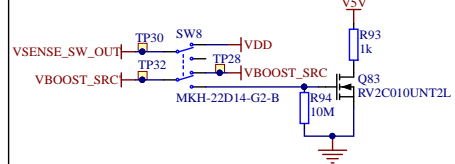
A

A

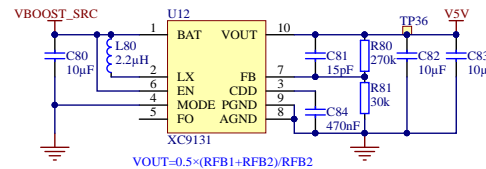
Power input, reverse protection



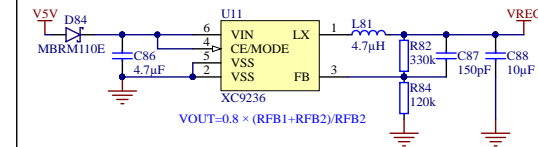
Power switch



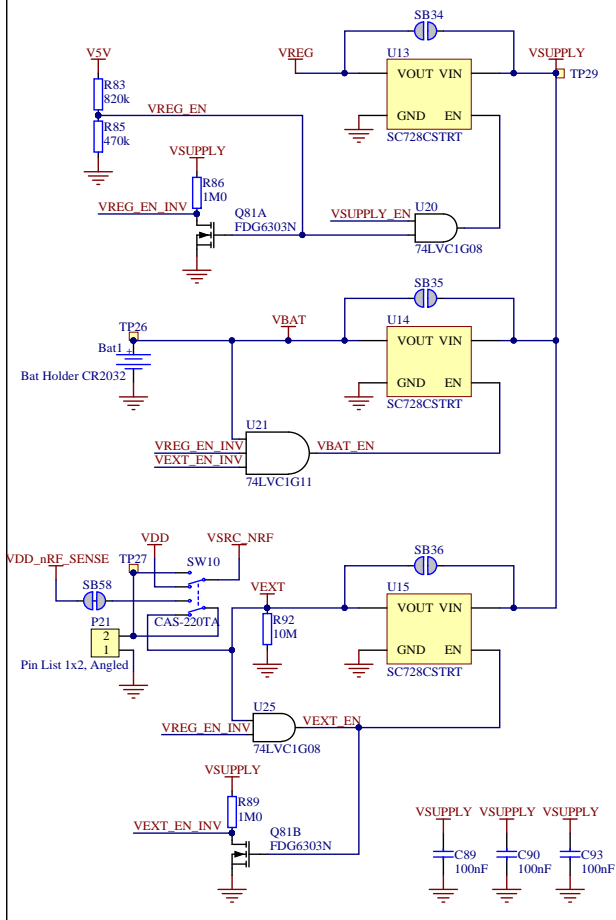
5V Boost regulator



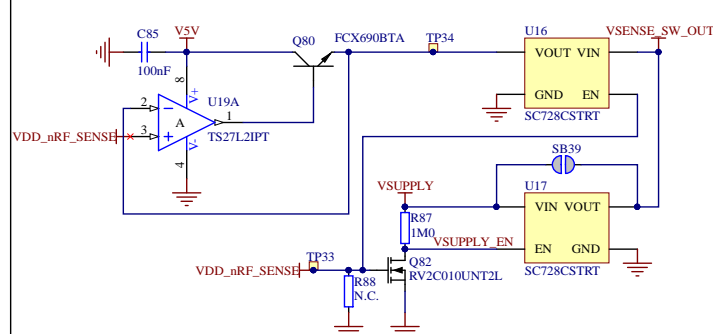
Buck regulator for VDD



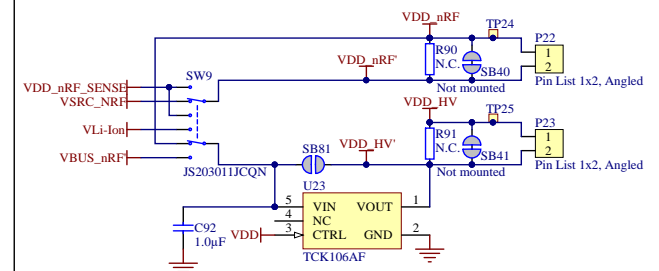
Power sources and switches



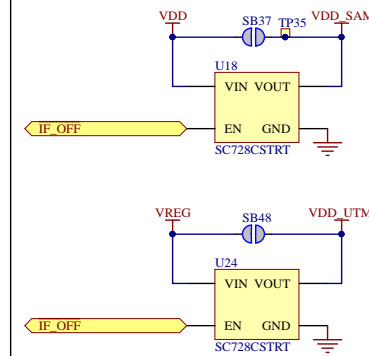
VDD_nRF sense buffer and switch



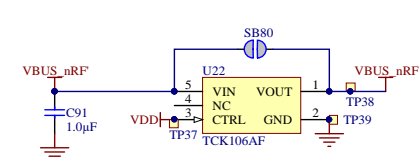
nRF power source select and current measurement



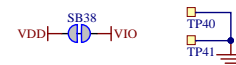
Interface MCU power switch



VBUS_nRF switch



Instrument ground



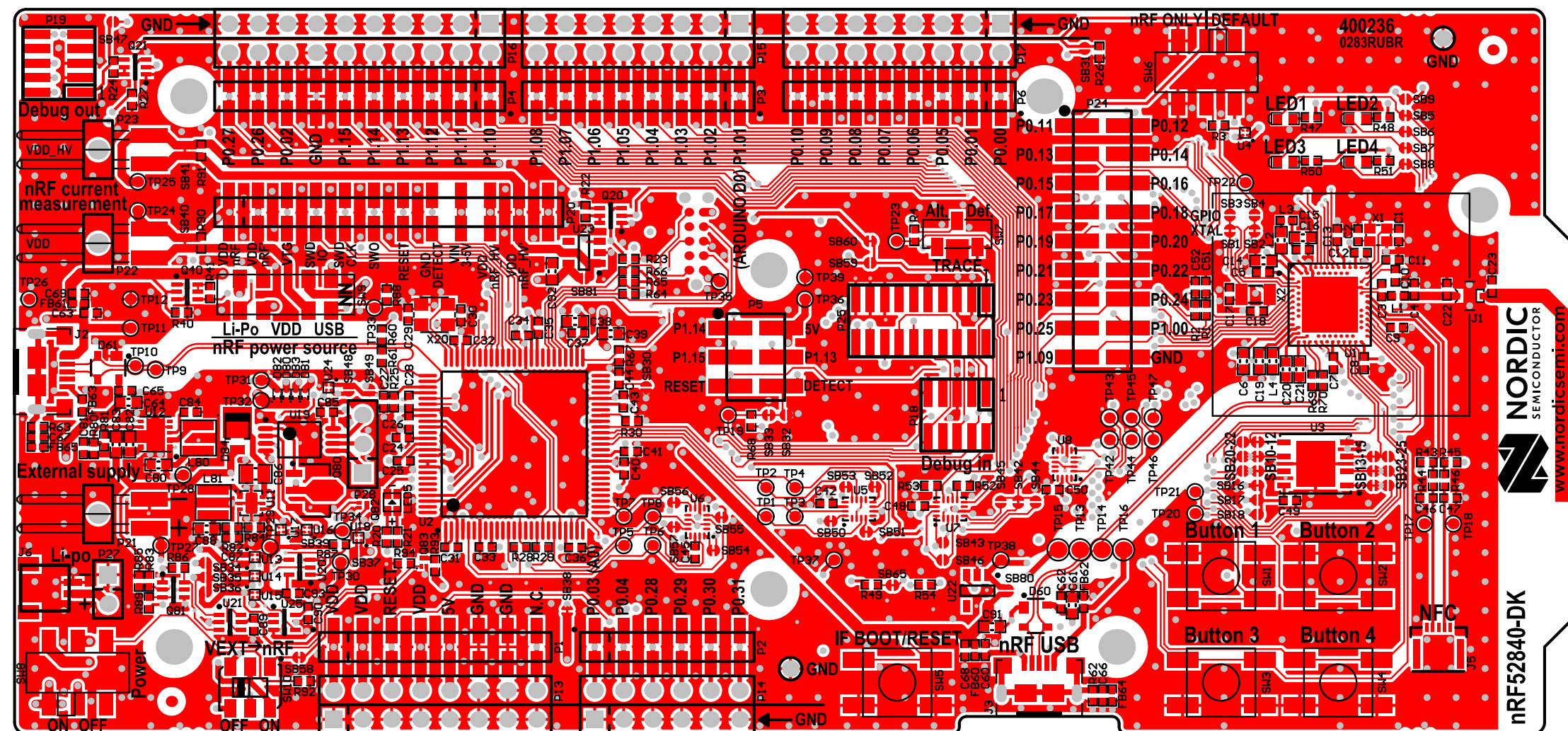
PCA10056 - Power Supply

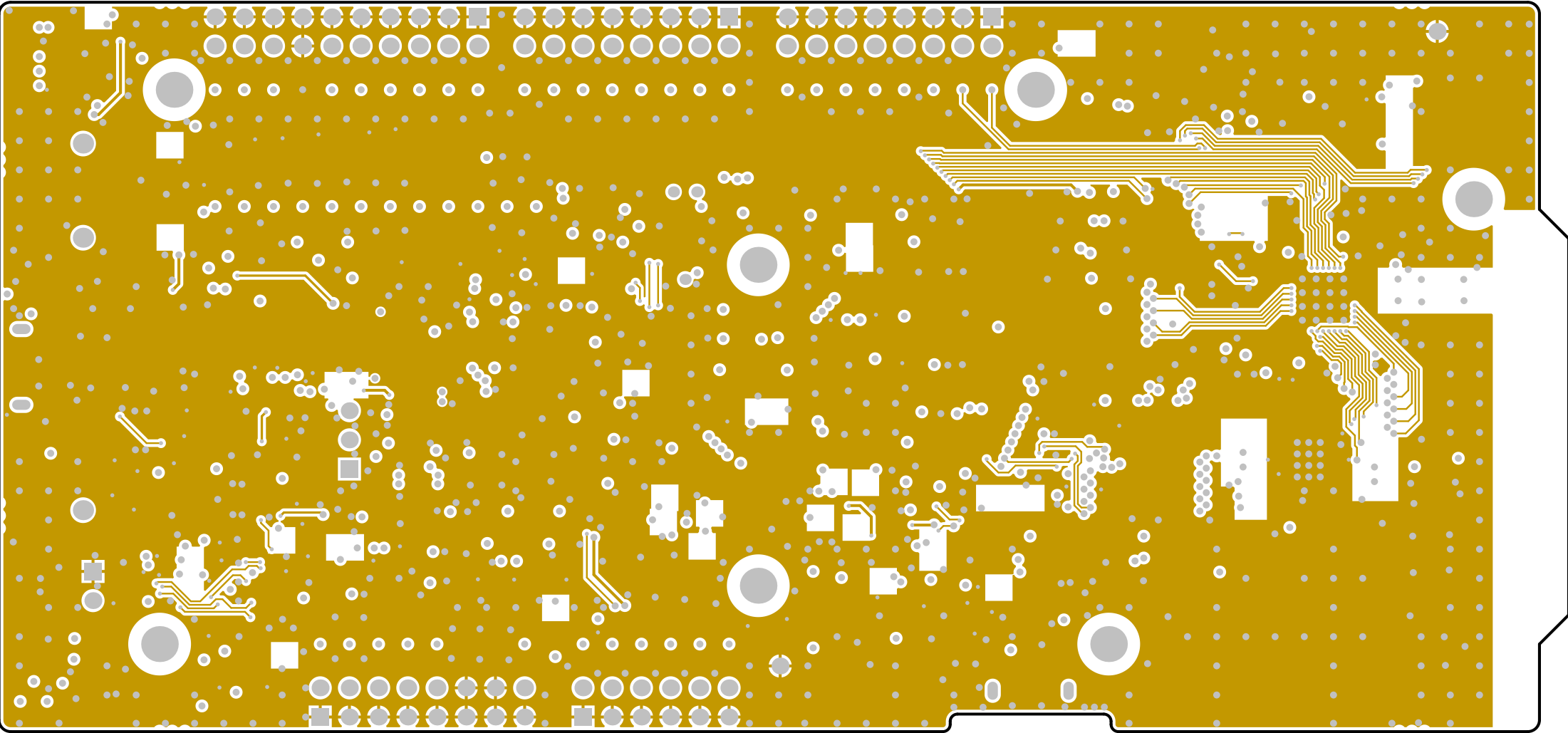
Size A3	Project Number 4440	Revision 1.0.0
Date: 16.03.2018	Sheet 7 of 7	Drawn By: RUBR
File: pca10056_sheet7_power_supply.SchDoc		

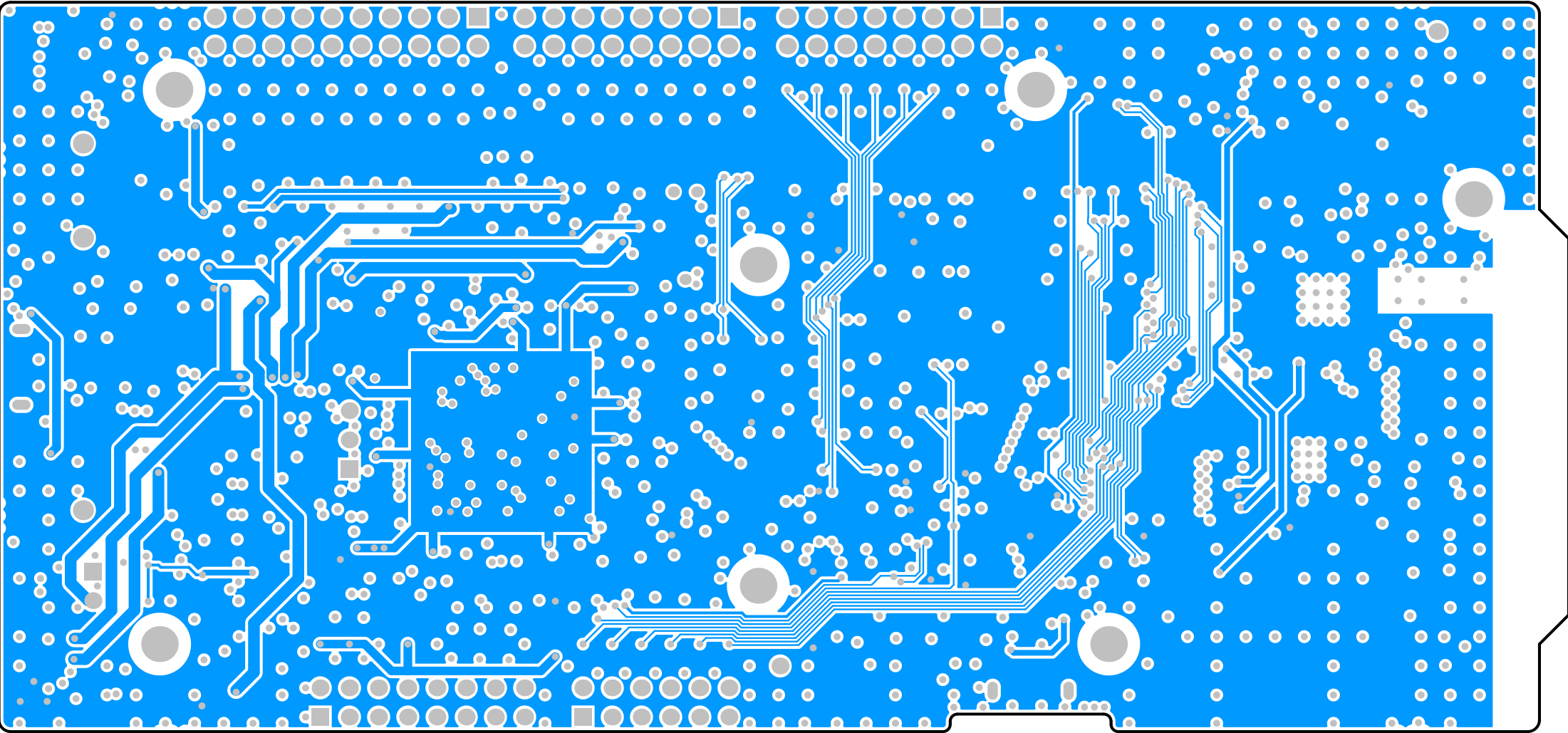


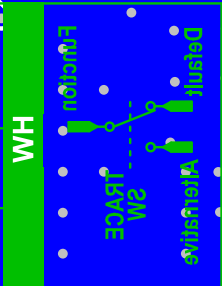
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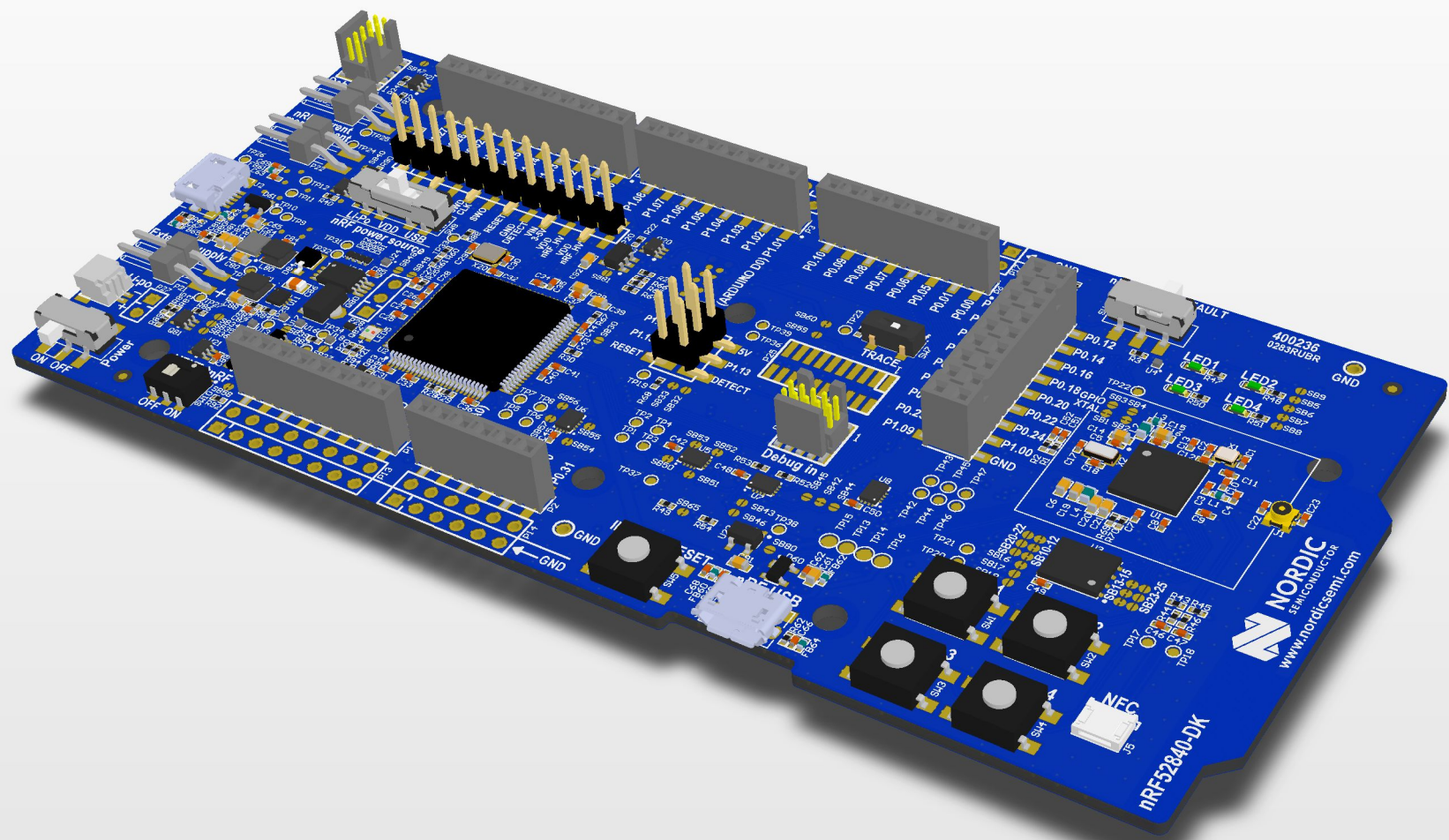


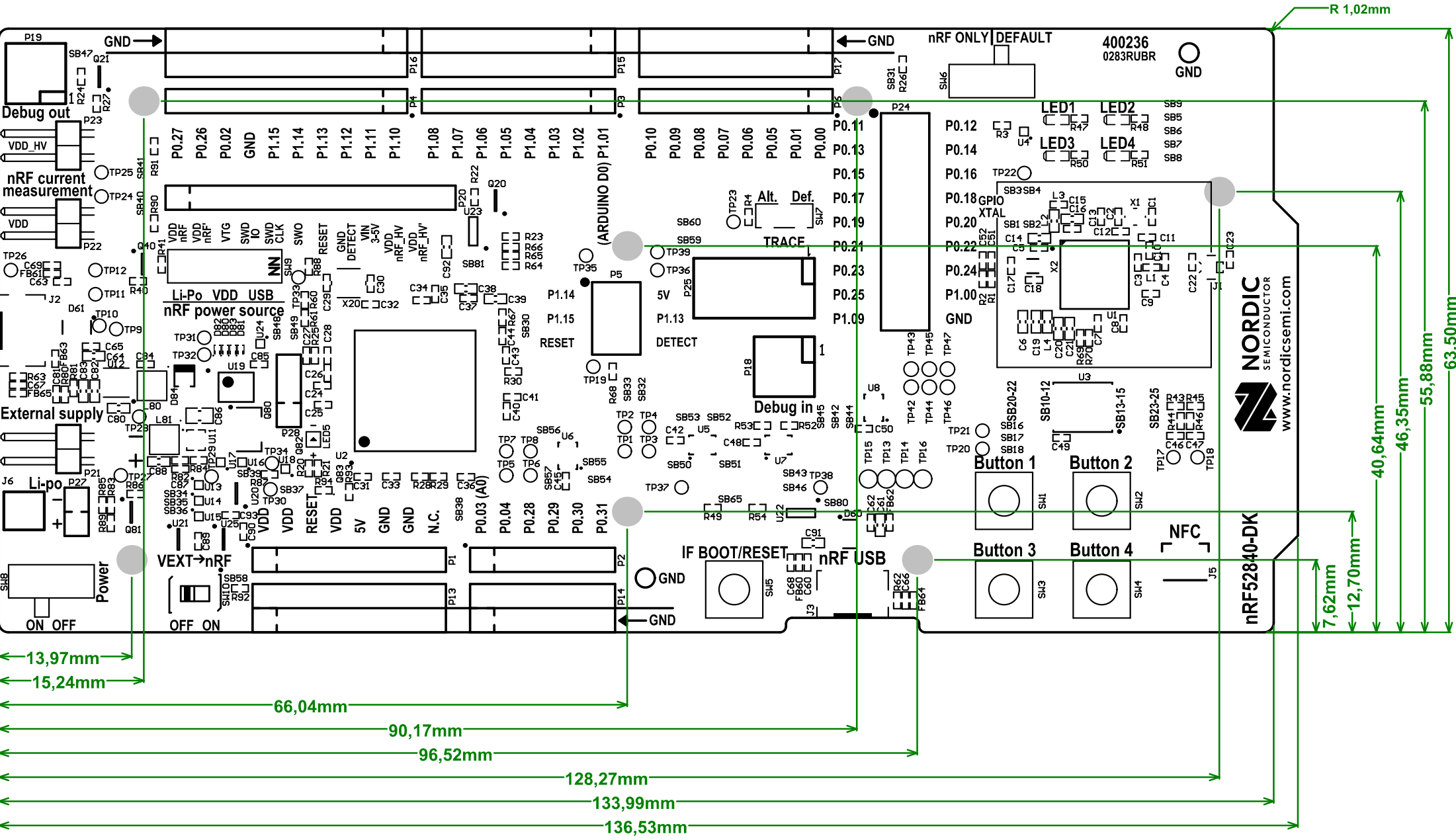






Func.	Def.	Alt.
CTS	p0.03	p0.04
Button S	p0.15	p1.08
Button 1	p0.14	p1.03





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nRF52840-DK