

Nordic Semiconductor ASA

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

- Sheet 1: Cover
- Sheet 2: nRF Radio
- Sheet 3: Pin Map
- Sheet 4: Interface MCU
- Sheet 5: Miscellaneous
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 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 2.1.0
Date: 31.05.2021	Sheet 1 of 7	
File: pca10056_sheet1_cover.SchDoc		Drawn By: RUBR



A

A

B

B

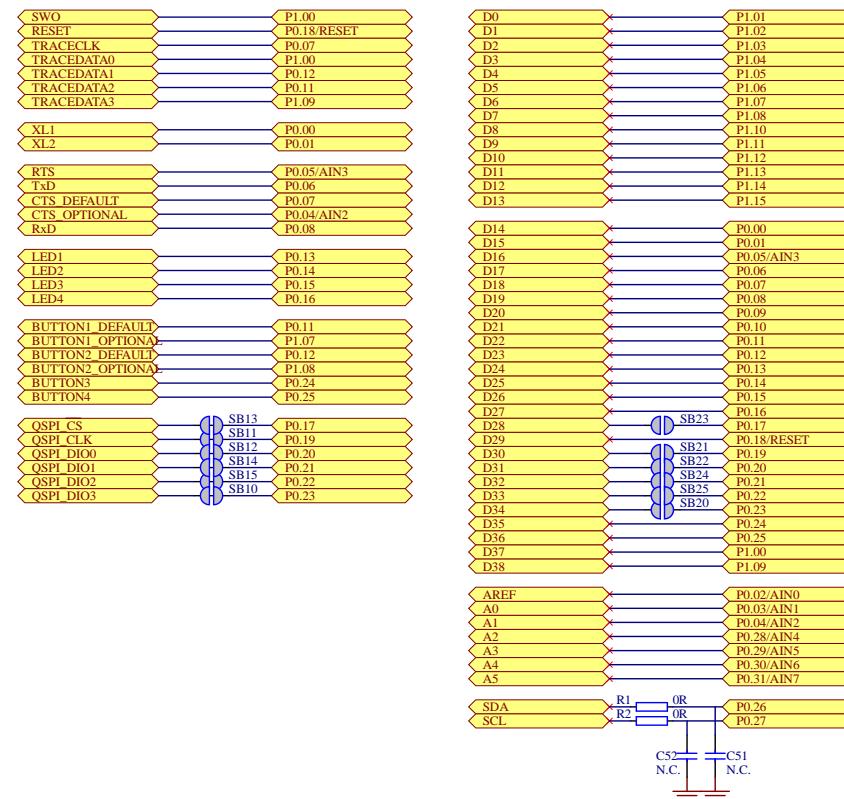
C

C

D

D

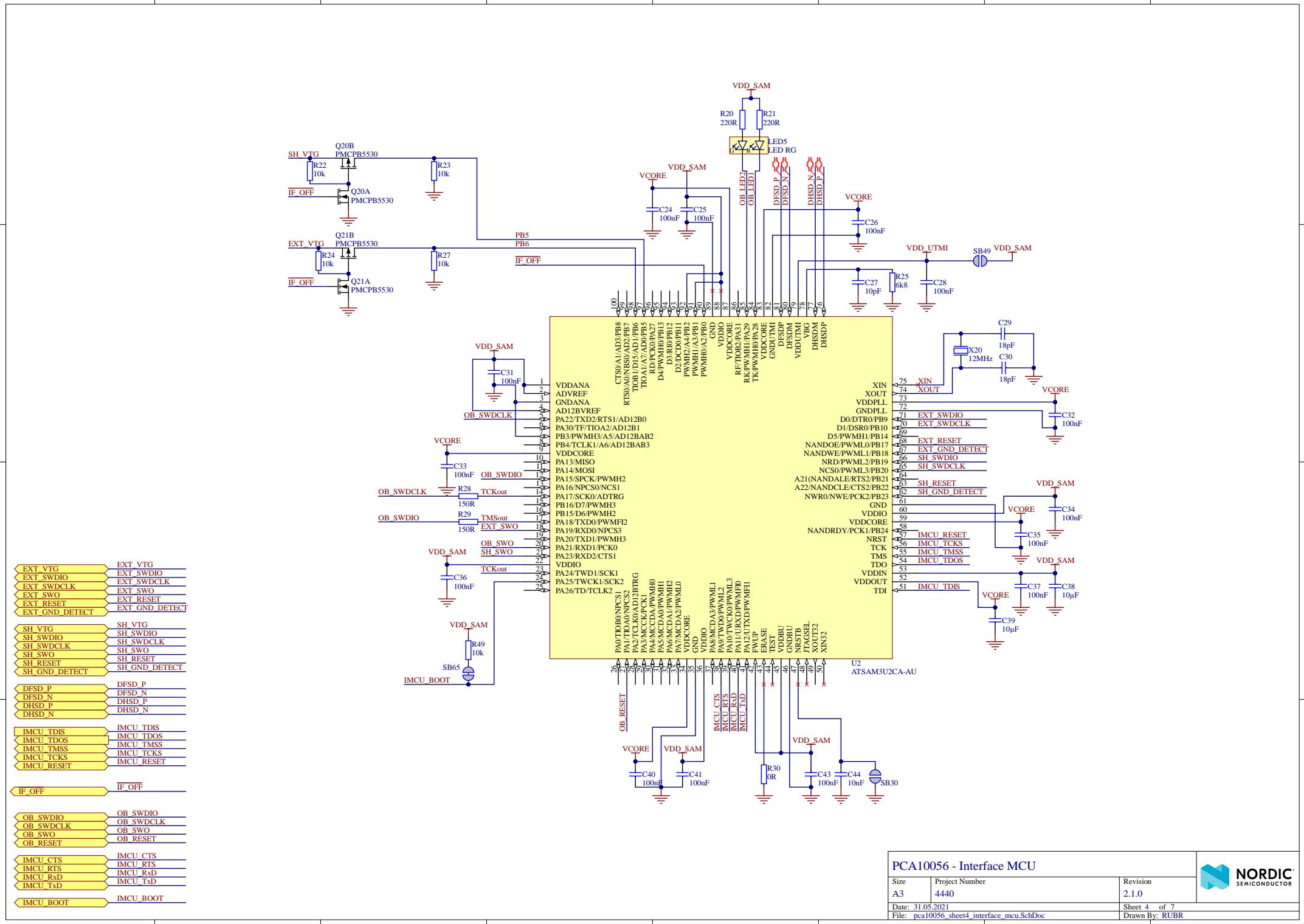
GPIO pin mapping

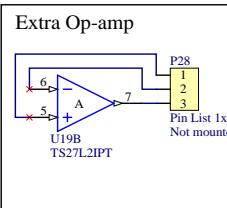
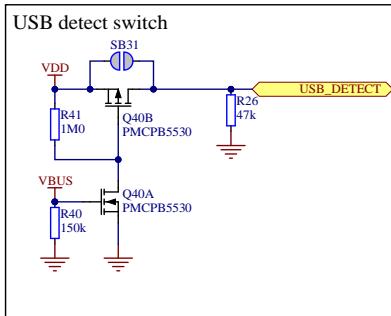
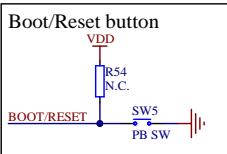
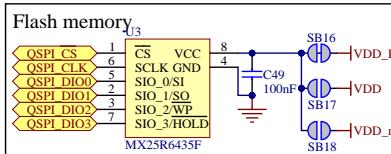
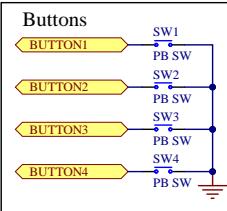
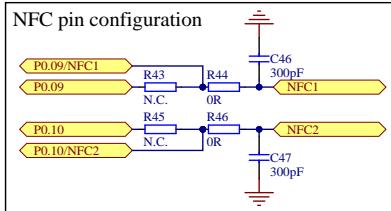
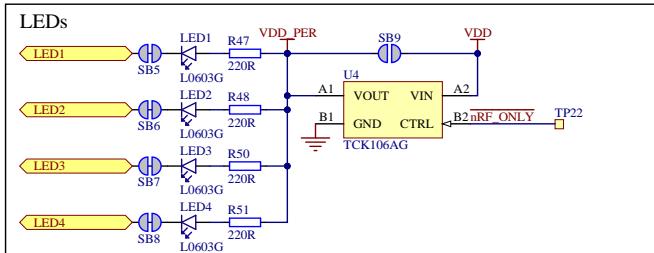
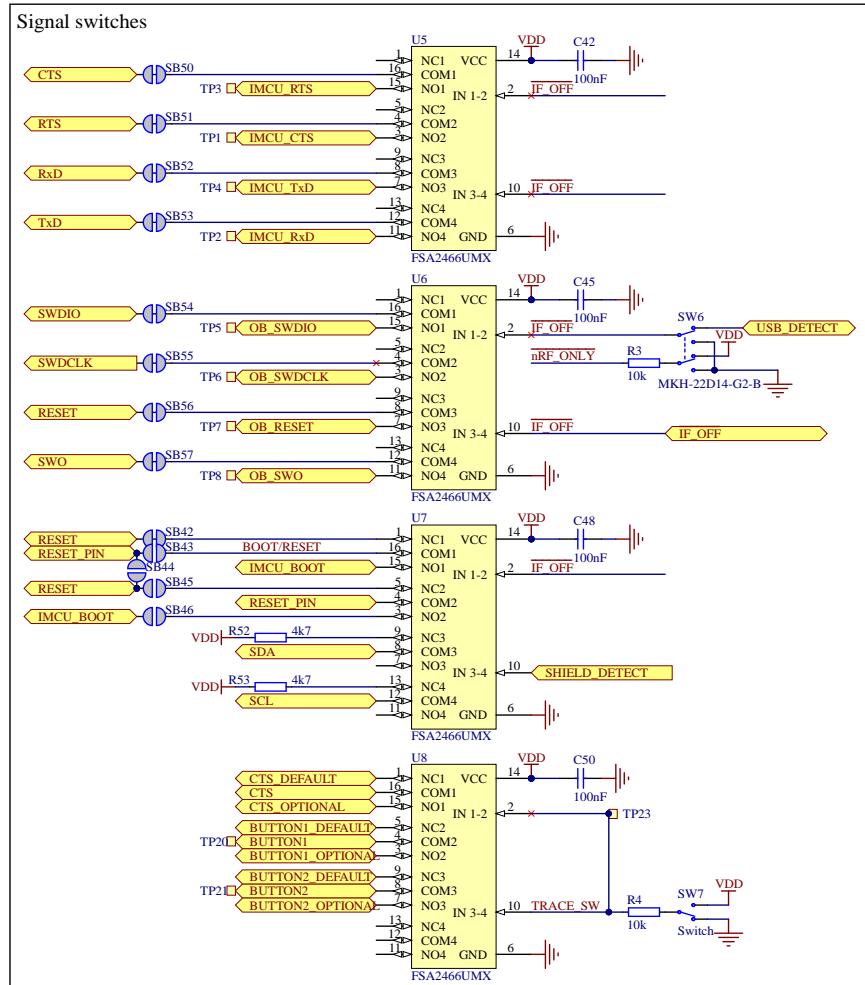


PCA10056 - Pin Map

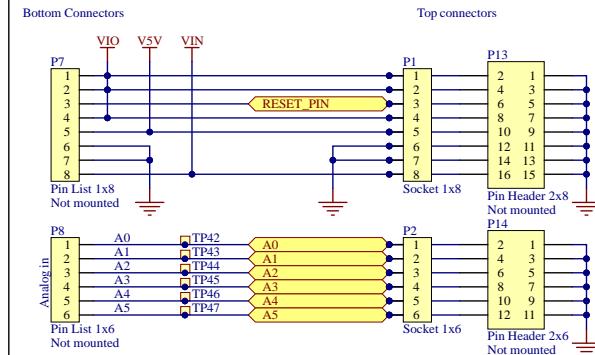
Size	Project Number	Revision
A3	4440	2.1.0
Date: 31.05.2021	Sheet 3 of 7	
File: pca10056_sheet3_pin_map.SchDoc		Drawn By: RUBR



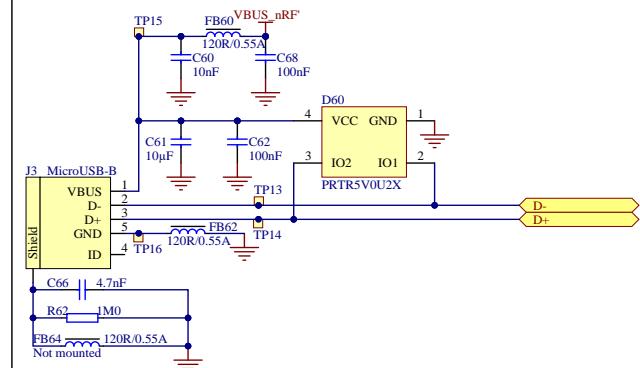




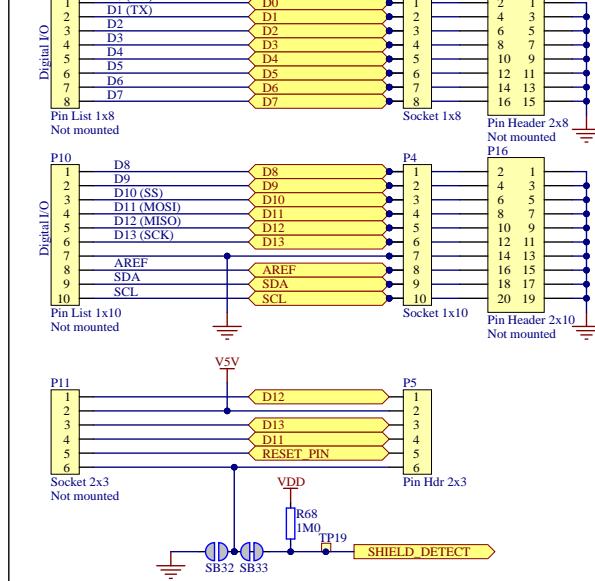
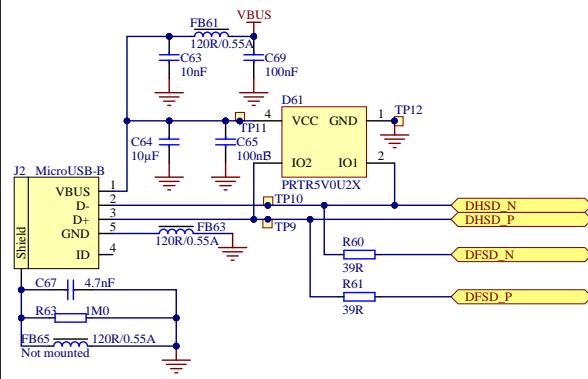
Arduino Interface Connectors



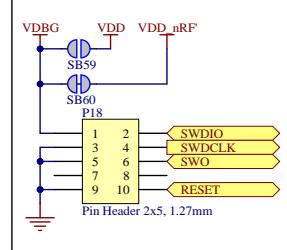
nRF USB Connector



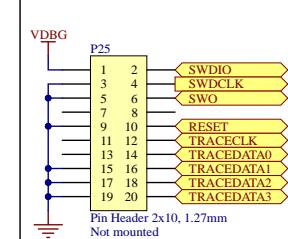
Interface MCU USB Connector



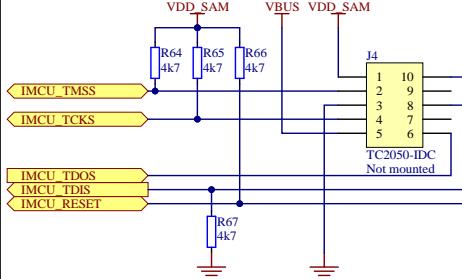
Debug IN Connector



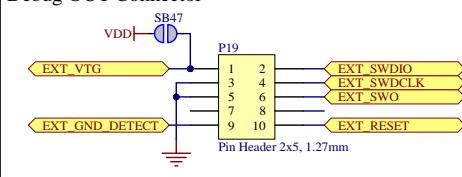
Trace connector



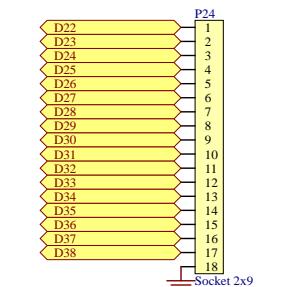
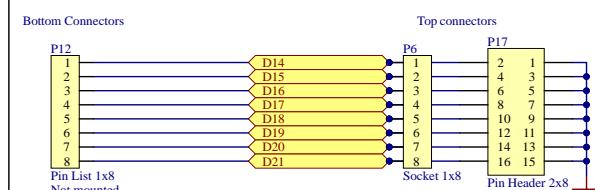
Interface MCU Programming Connector



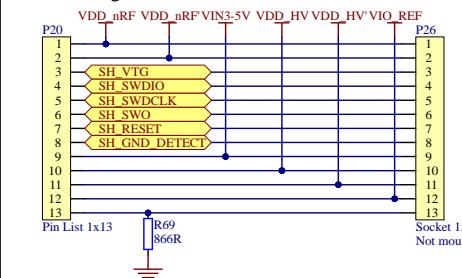
Debug OUT Connector



Auxiliary Connectors

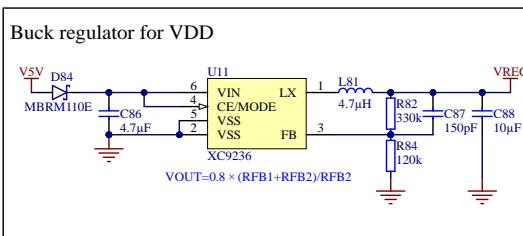
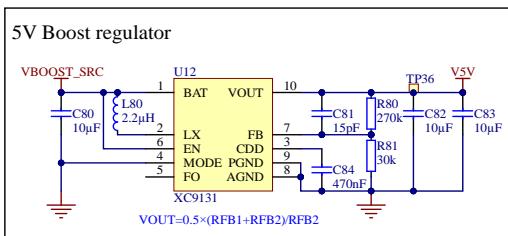
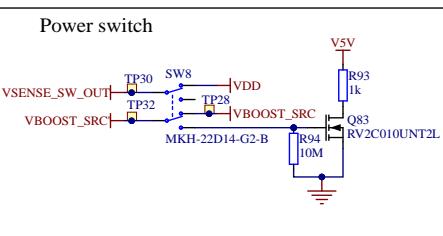
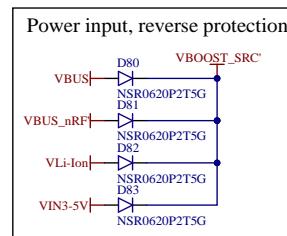


Shield Debug and Current measurement Connector

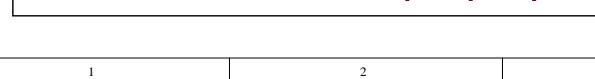
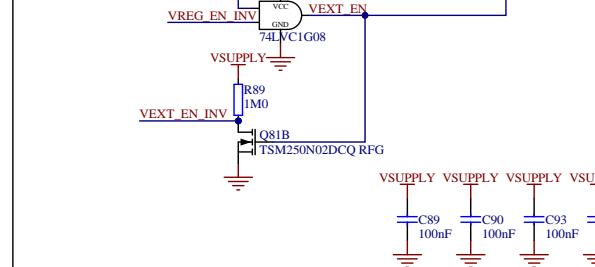
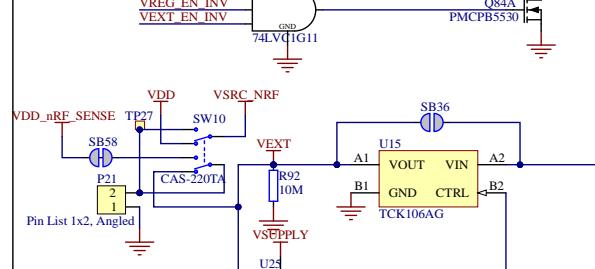
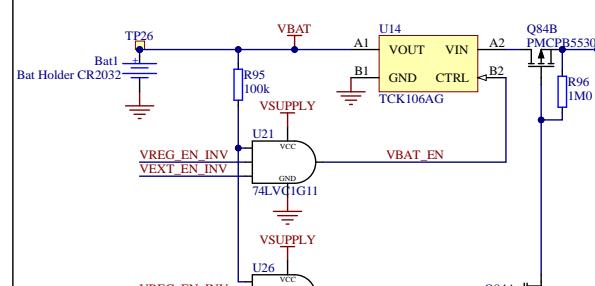
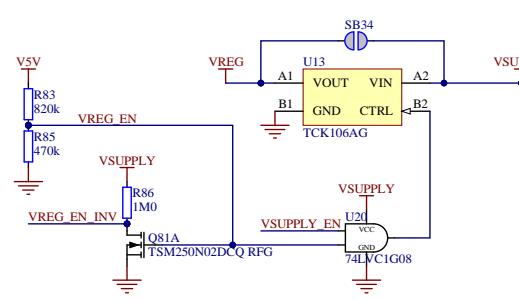


PCA10056 - Connectors

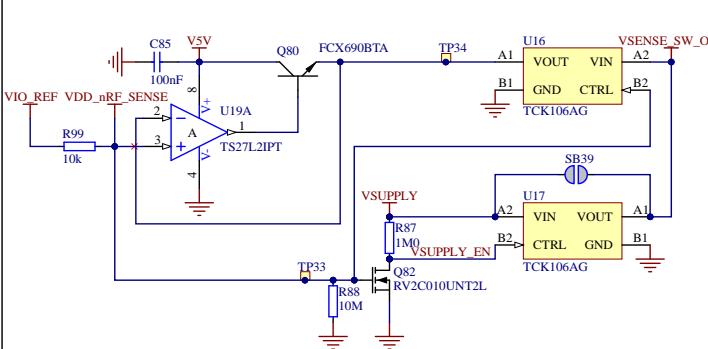
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Date:	31.05.2021	Sheet 6 of 7
File:	pca10056_sheet6_connectors.SchDoc	Drawn By: RUBR



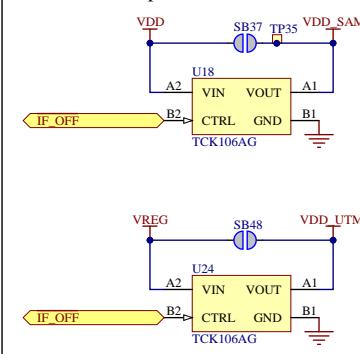
Power sources and switches



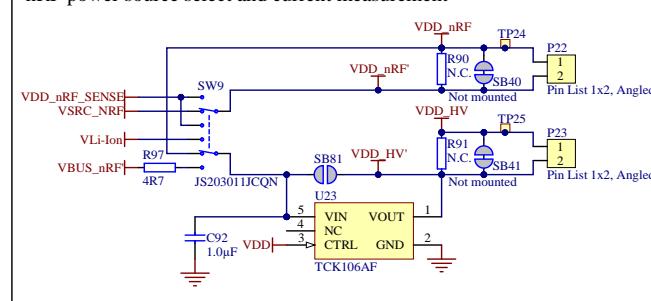
VDD_nRF sense buffer and switch



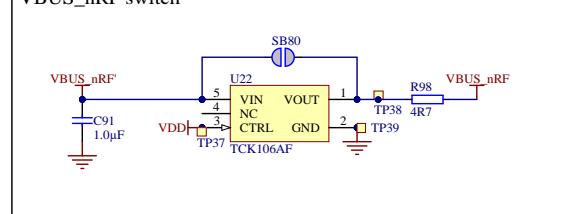
Interface MCU power switch



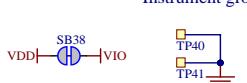
nRF power source select and current measurement



VBUS_nRF switch



Instrument ground



PCA10056 - Power Supply

Size	Project Number	Revision
A3	4440	2.1.0
Date: 31.05.2021		Sheet 7 of 7
File: pca10056_sheet7_power_supply.SchDoc		Drawn By: RUBR



