

# Nordic Semiconductor ASA

**nRF5340 Bluetooth Low Energy/ANT/802.15.4/2.4GHz RF Development Board (PCA10095)**

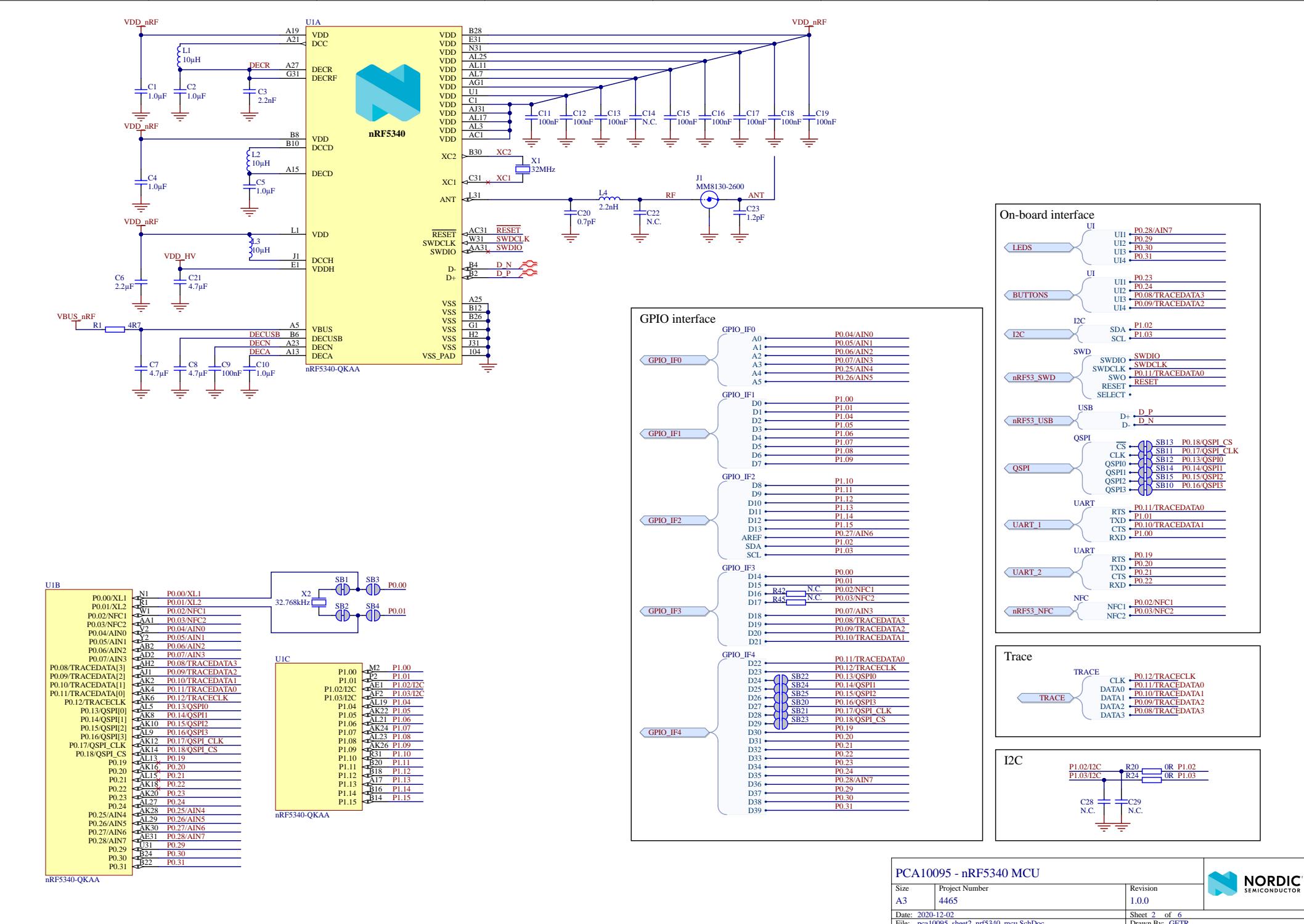
- |                  |                           |
|------------------|---------------------------|
| A<br>B<br>C<br>D | Sheet 1:<br>Cover         |
|                  | Sheet 2:<br>nRF Radio     |
|                  | Sheet 3:<br>Interface MCU |
|                  | Sheet 4:<br>Miscellaneous |
|                  | Sheet 5:<br>Connectors    |
|                  | Sheet 6:<br>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.

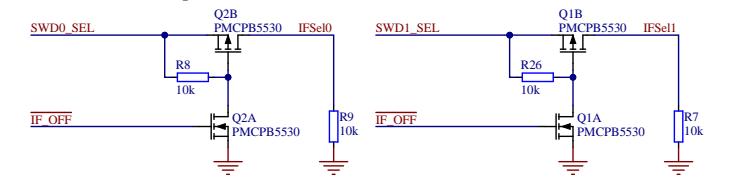
...

PCA10095 - Cover

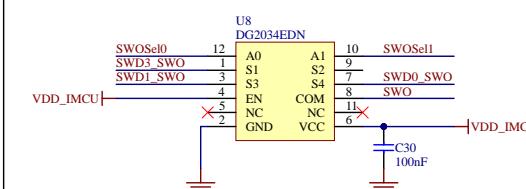
Size	Project Number	Revision	 NORDIC SEMICONDUCTOR
A3	4465	1.0.0	
Date:	2020-05-12	Sheet 1 of 6	
File:	pca10095_sheet1_cover.SchDoc	Drawn By:	GETR



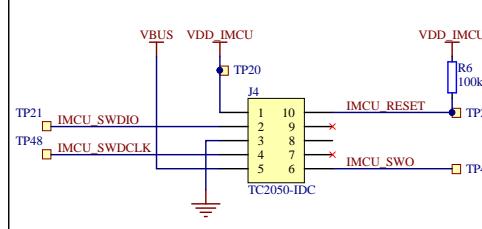
## IF SEL reverse drive protection



## MUX



## Interface MCU Programming Connector



A

A

B

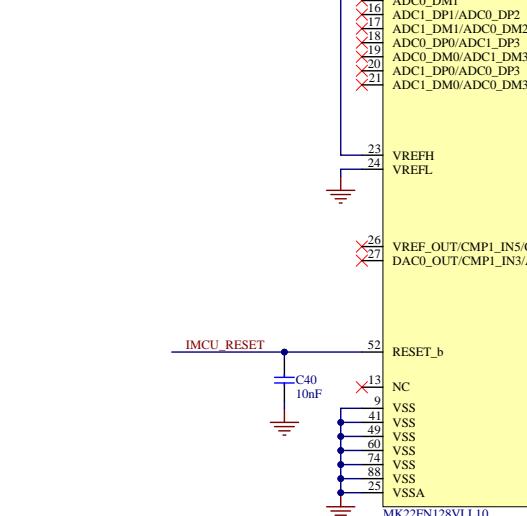
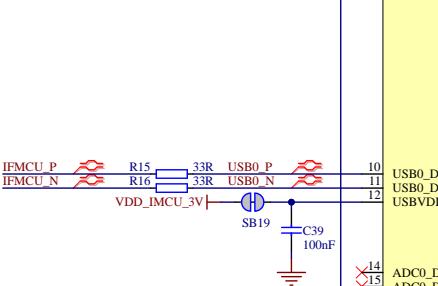
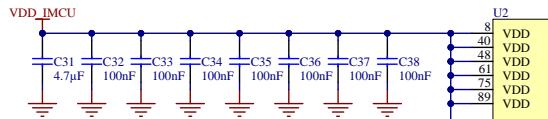
B

C

C

D

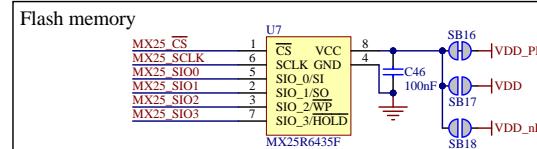
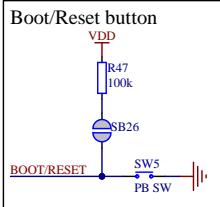
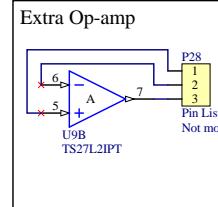
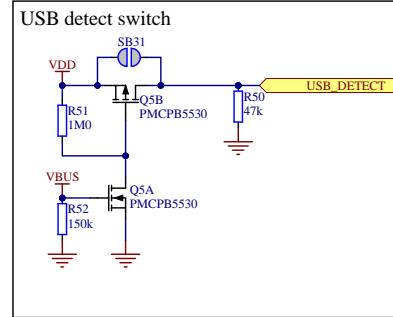
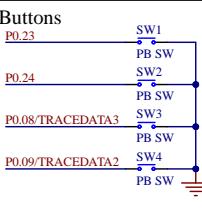
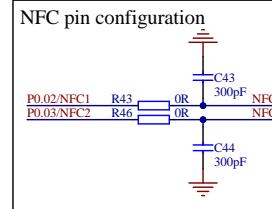
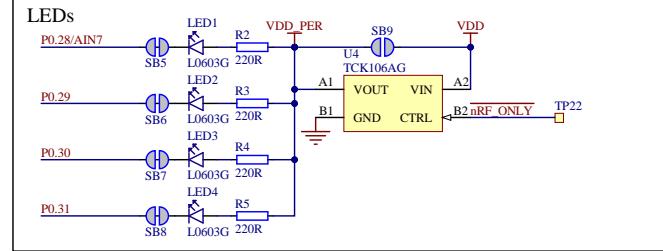
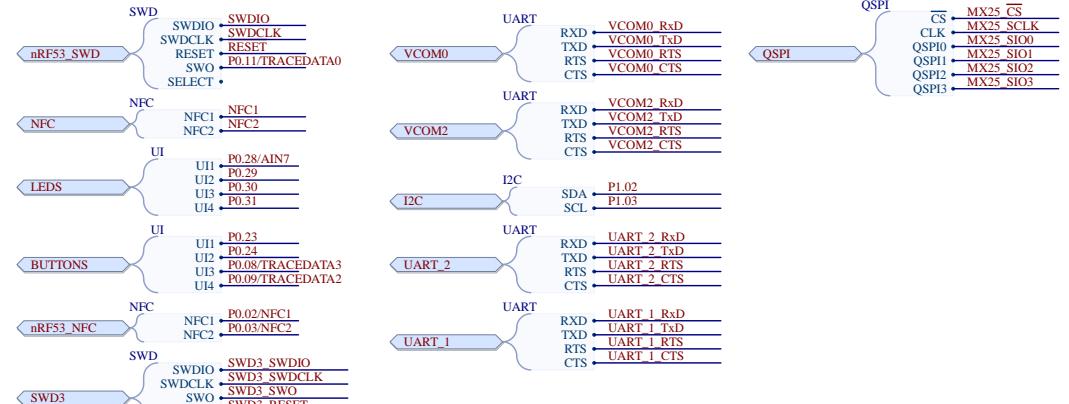
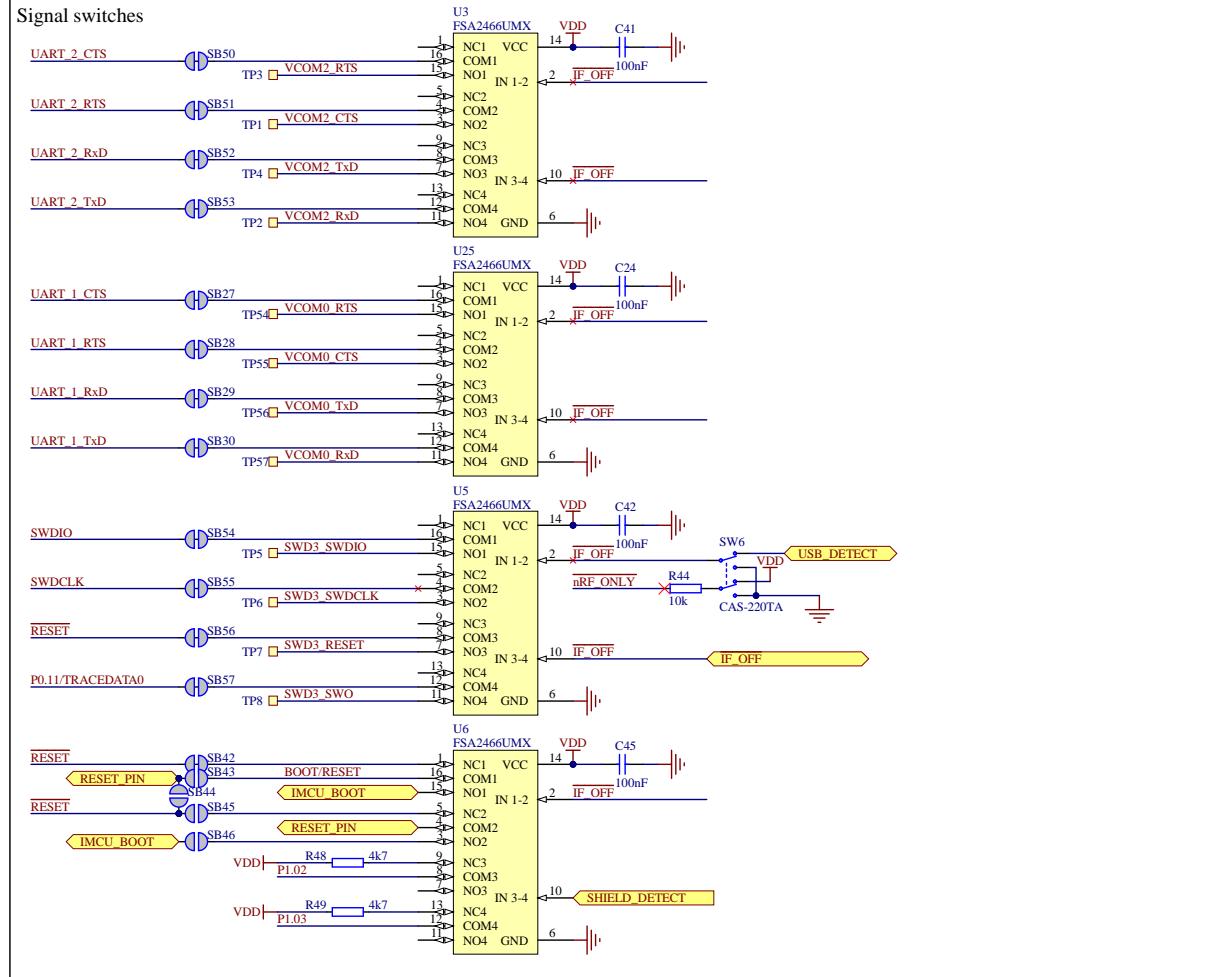
D



## PCA10095 - Interface MCU

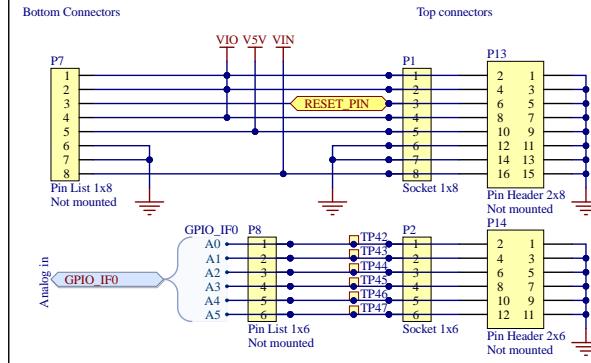
Size	Project Number	Revision
A3	4465	1.0.0
Date: 2020-12-02		Sheet 3 of 6
File: pca10095_sheet3_interface_mcu.SchDoc		Drawn By: GETR



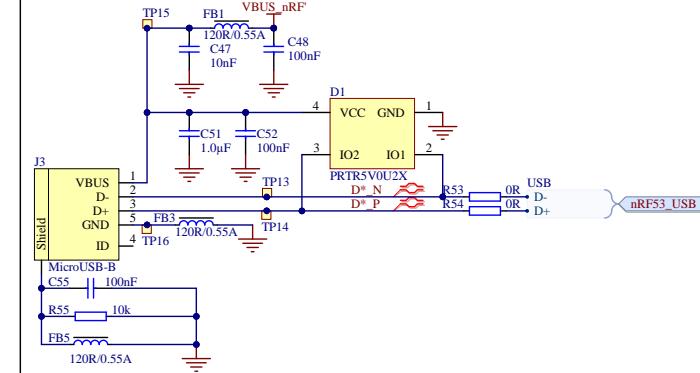


PCA10095 - Miscellaneous		
Size	Project Number	Revision
A3	4465	1.0.0
Date: 2020-12-02		Sheet 4 of 6
File: pca10095 sheet4_misc.SchDoc		Drawn By: GETR
		1

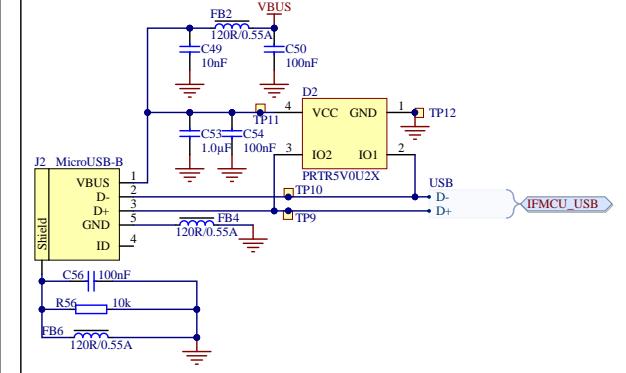
### Arduino Interface Connectors



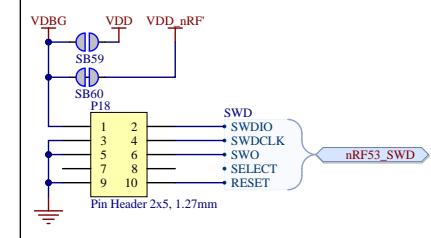
### nRF USB Connector



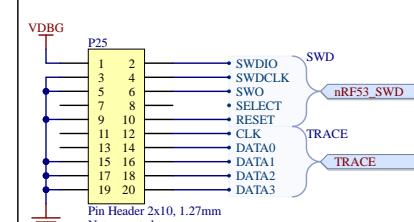
### Interface MCU USB Connector



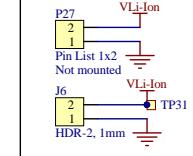
### Debug IN Connector



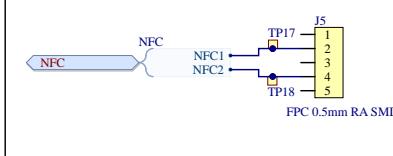
### Trace connector



### Li-ion connector



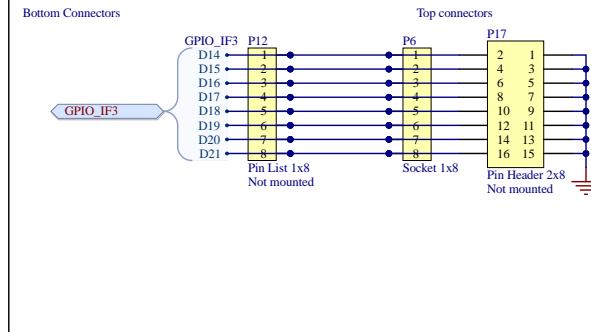
### NFC Antenna Connector



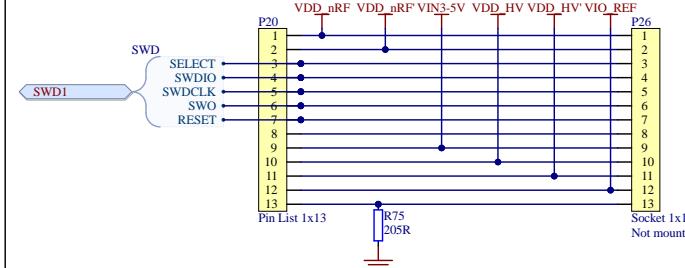
### Debug OUT Connector



### Auxiliary Connectors



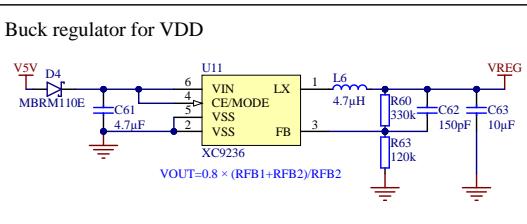
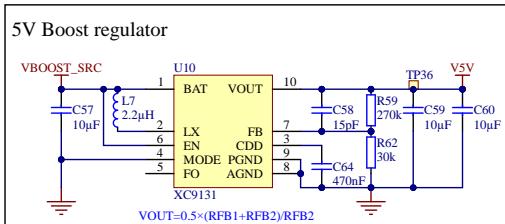
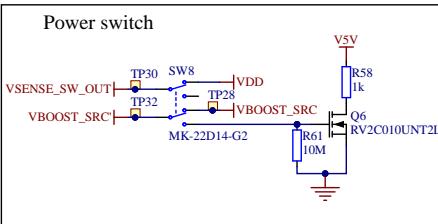
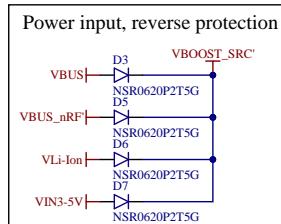
### Shield Debug and Current measurement Connector



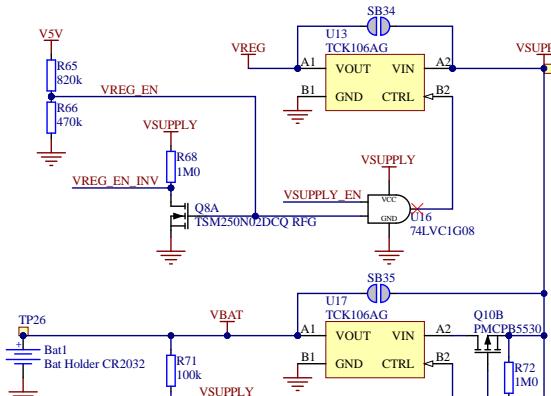
### PCA10095 - Connectors

Size	Project Number	Revision
A3	4465	1.0.0
Date: 2020-12-02		Sheet 5 of 6
File: pca10095_sheet5_connectors.SchDoc		Drawn By: GETR

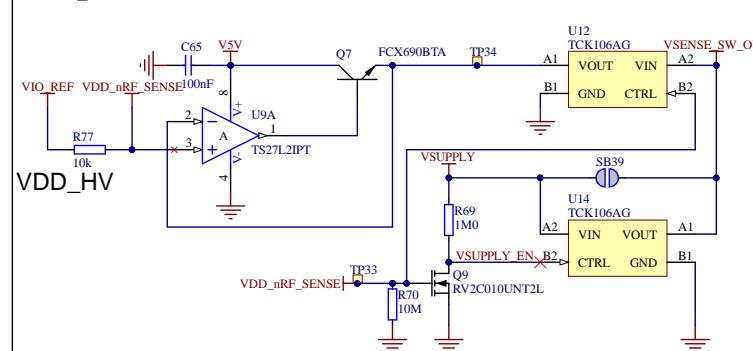




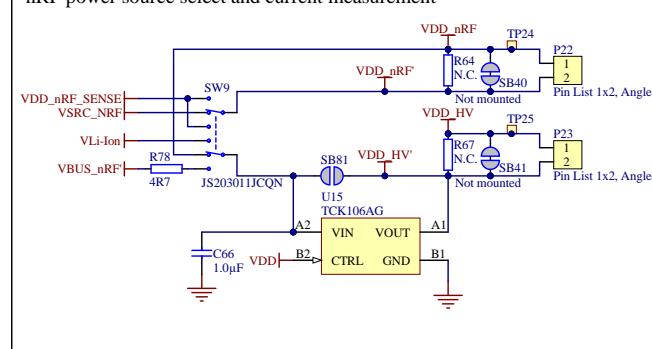
### Power sources and switches



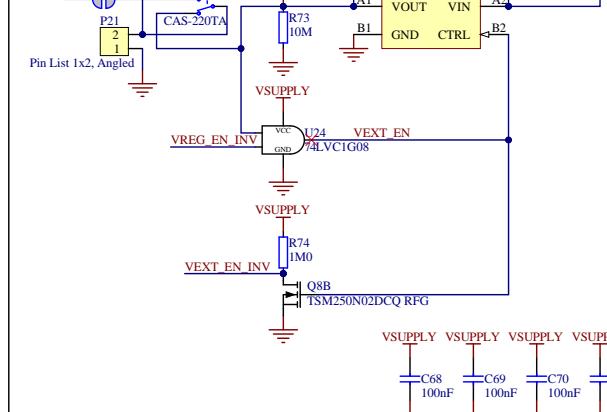
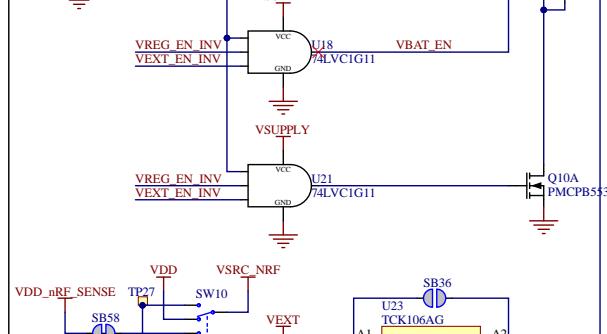
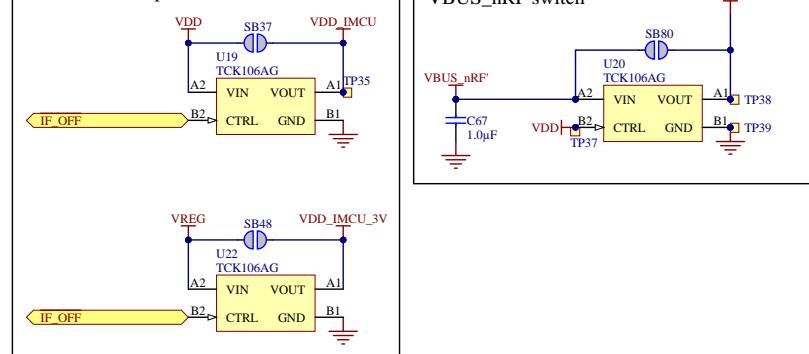
### VDD\_nRF sense buffer and switch



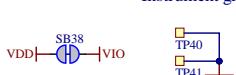
### nRF power source select and current measurement



### Interface MCU power switch



### Instrument ground



### PCA10095 - Power Supply

Size	Project Number	Revision
A3	4465	1.0.0
Date: 2020-12-02	Sheet 6 of 6	
File: pca10095_sheet6_power_supply.SchDoc	Drawn By: GETR	



