


# Nordic Semiconductor ASA

## nRF52833 Bluetooth Low Energy/ANT/802.15.4/2.4GHz RF Development Board (PCA10100)

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

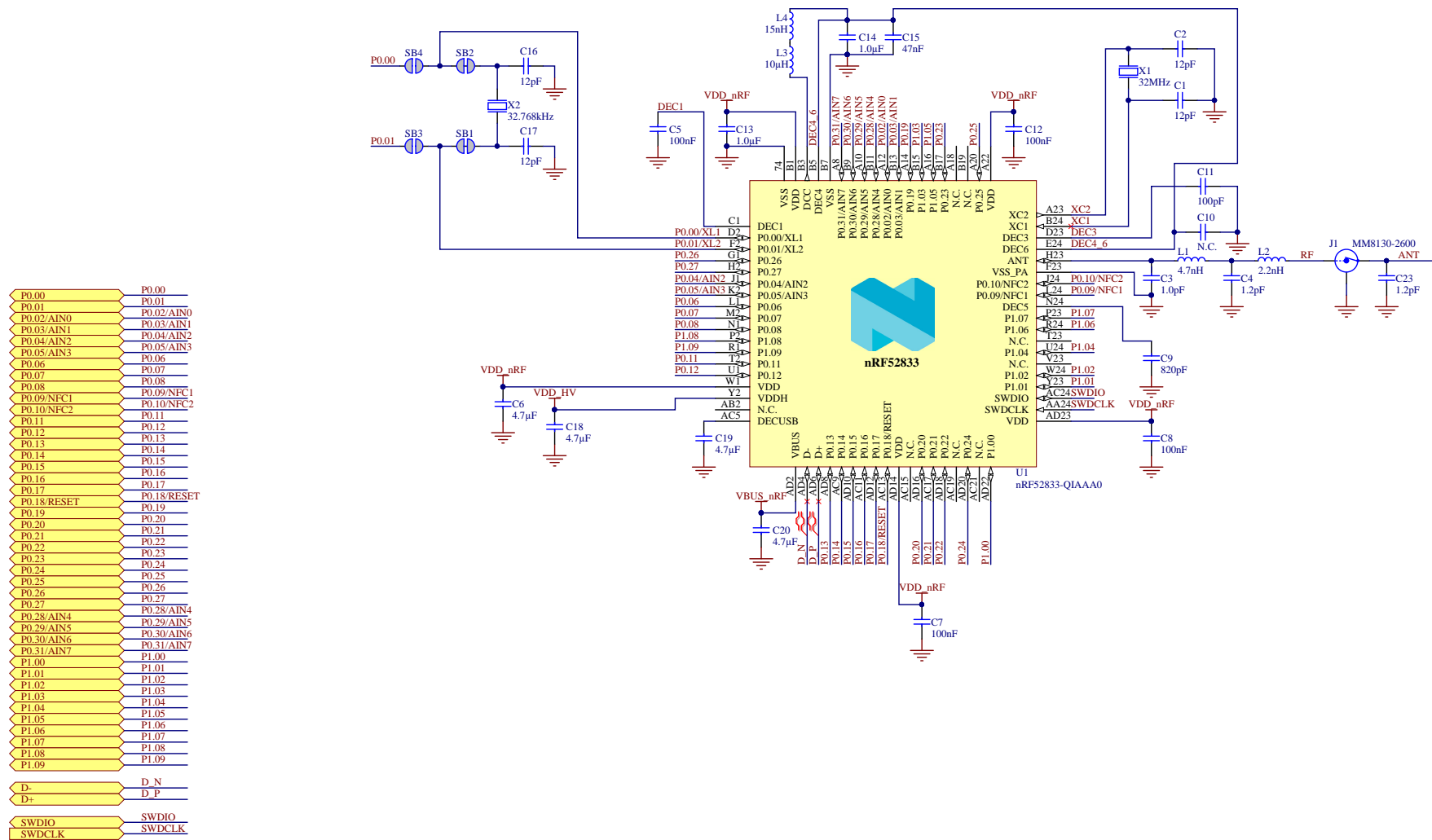
✖ The No ERC object is a design directive.  
This directive is placed on a node in the circuit to suppress harmless warnings and/or error violation conditions that are detected when the schematic project is compiled.

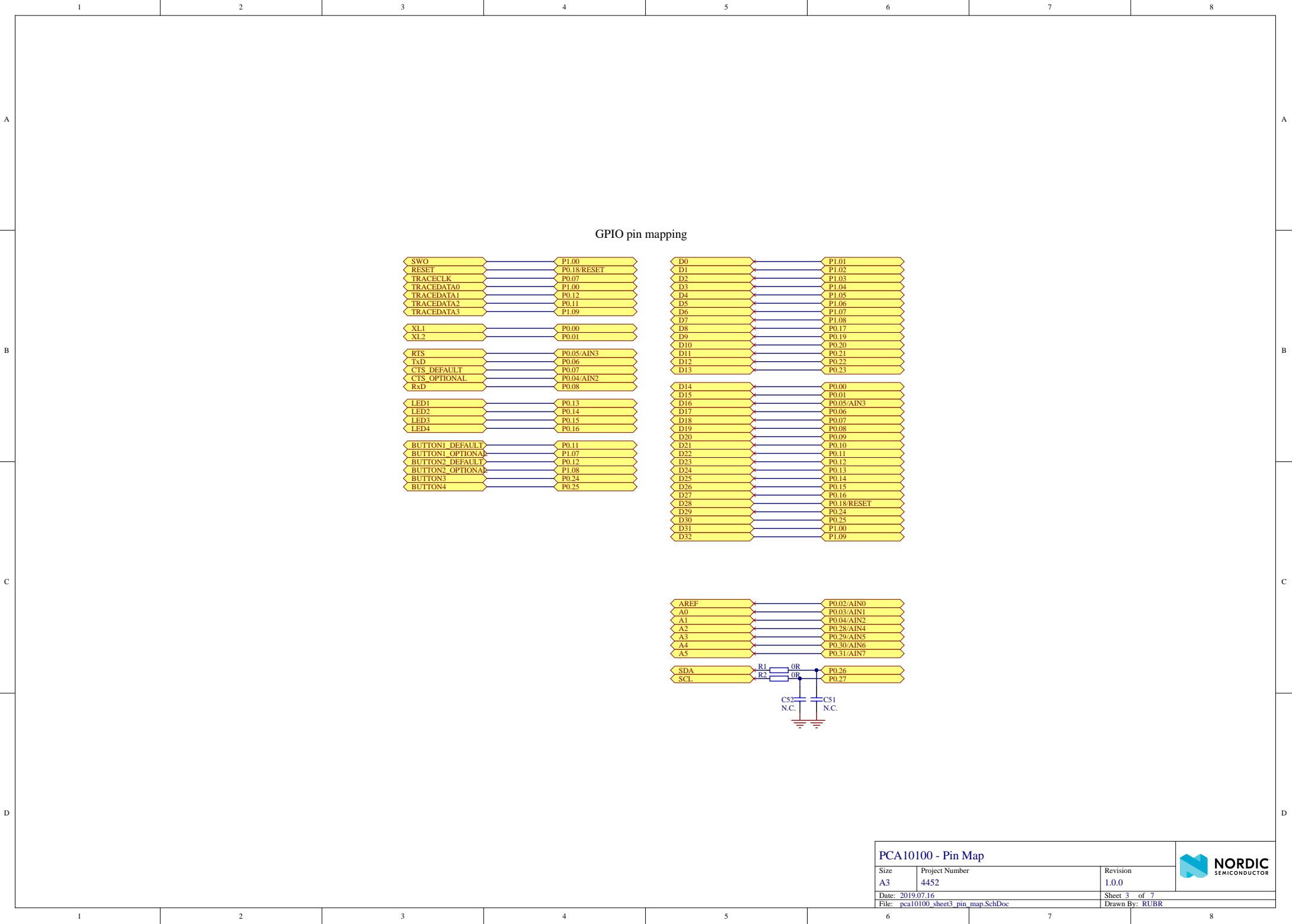
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PCA10100 - Cover			
Size A3	Project Number 4452	Revision 1.0.0	
Date: 2019.07.16		Sheet 1 of 7	
File: pca10100_sheet1_cover.SchDoc		Drawn By: RUBR	

D

D





D

A

B

C

D

EXT_VTG	EXT_VTG
EXT_SWKDIO	EXT_SWKDIO
EXT_SWKDCLK	EXT_SWKDCLK
EXT_SWO	EXT_SWO
EXT_RESET	EXT_RESET
EXT_GND_DETECT	EXT_GND_DETECT

SH_VTG	SH_VTG
SH_SWDIO	SH_SWDIO
SH_SWDCLK	SH_SWDCLK
SH_SWO	SH_SWO
SH_RESET	SH_RESET
SH_GND_DETECT	SH_GND_DETECT

DFSD_P	DFSD_P
DFSD_N	DFSD_N
DHSD_P	DHSD_P
DHSD_N	DHSD_N

IMCU TDIS	IMCU TDIS
IMCU TDOS	IMCU TDOS
IMCU TMSS	IMCU TMSS
IMCU TCKS	IMCU TCKS
IMCU RESET	IMCU RESET

IF OFF IF OFF

OB SWDIO	OB SWDIO
OB SWDCLK	OB SWDCLK
OB SWO	OB SWO
OB RESET	OB RESET

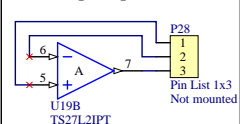
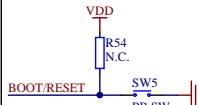
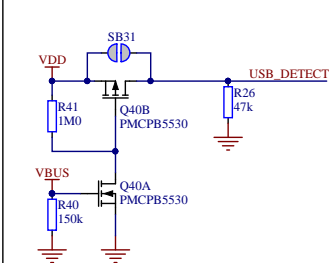
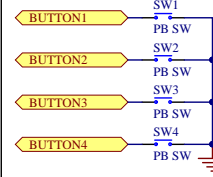
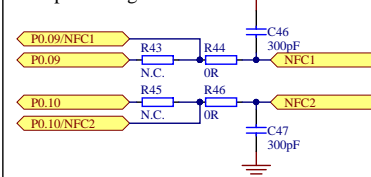
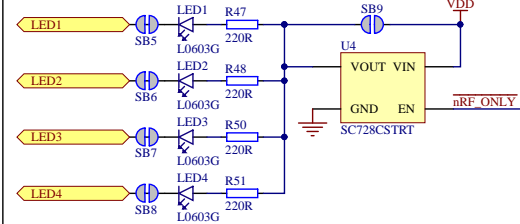
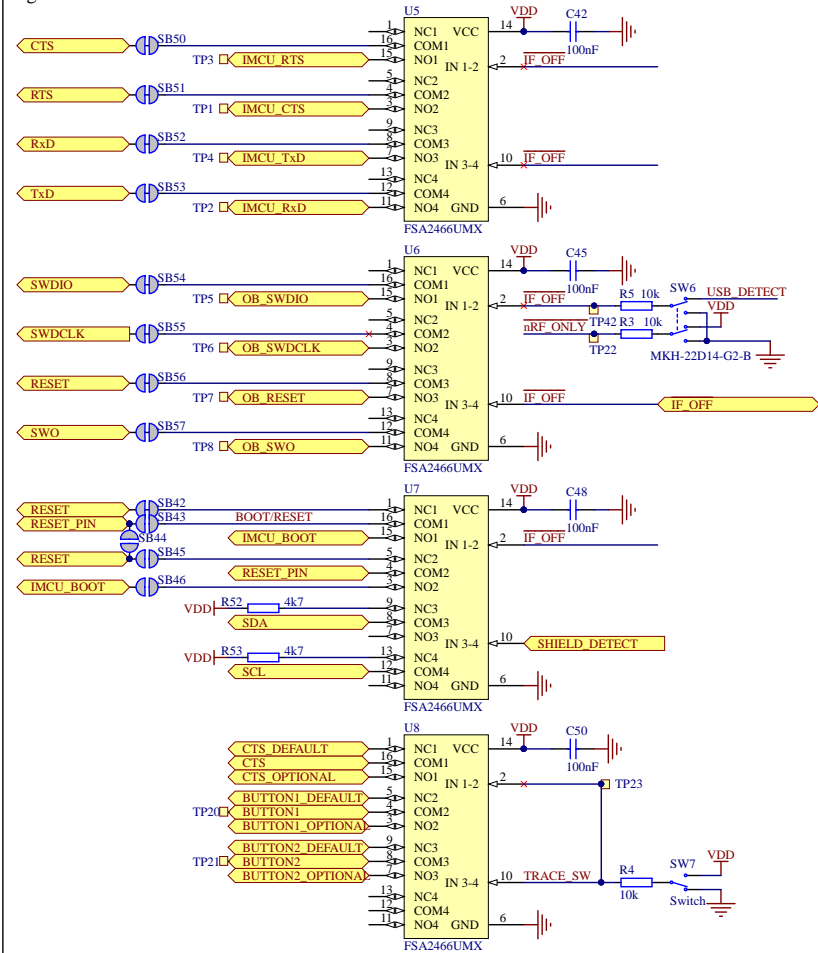
IMCU CTS	IMCU CTS
IMCU RTS	IMCU RTS
IMCU RxD	IMCU RxD
IMCU TxD	IMCU TxD

IMCU\_BOOT

## PCA10100 - Interface MCU

Size A3	Project Number 4452	Revision 1.0.0
Date: 2019.09.05		Sheet 4 of 7
File: pcal0100_sheet4_interface_mcu.SchDoc		Drawn By: RUBR





### Bottom Connectors



## 1



## 1



## 1



## 1



## 1

[illegible]

## 1

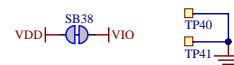
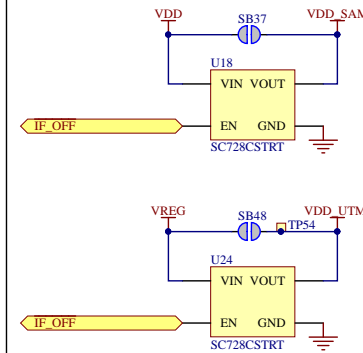
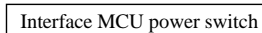
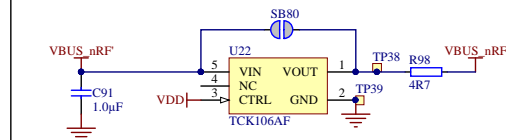
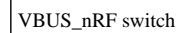
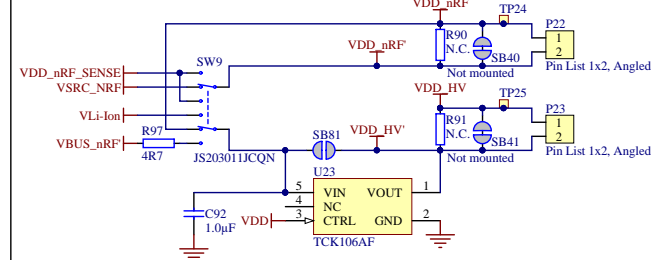
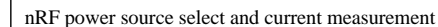
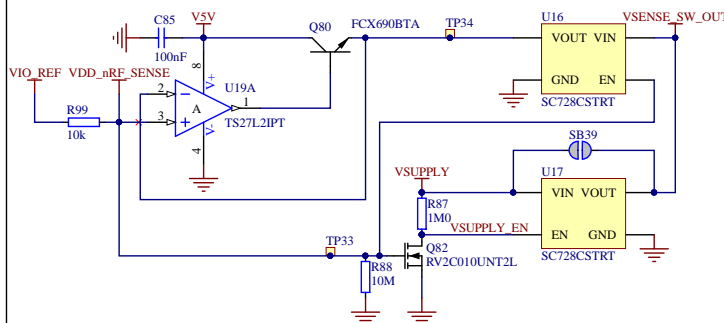
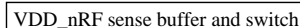
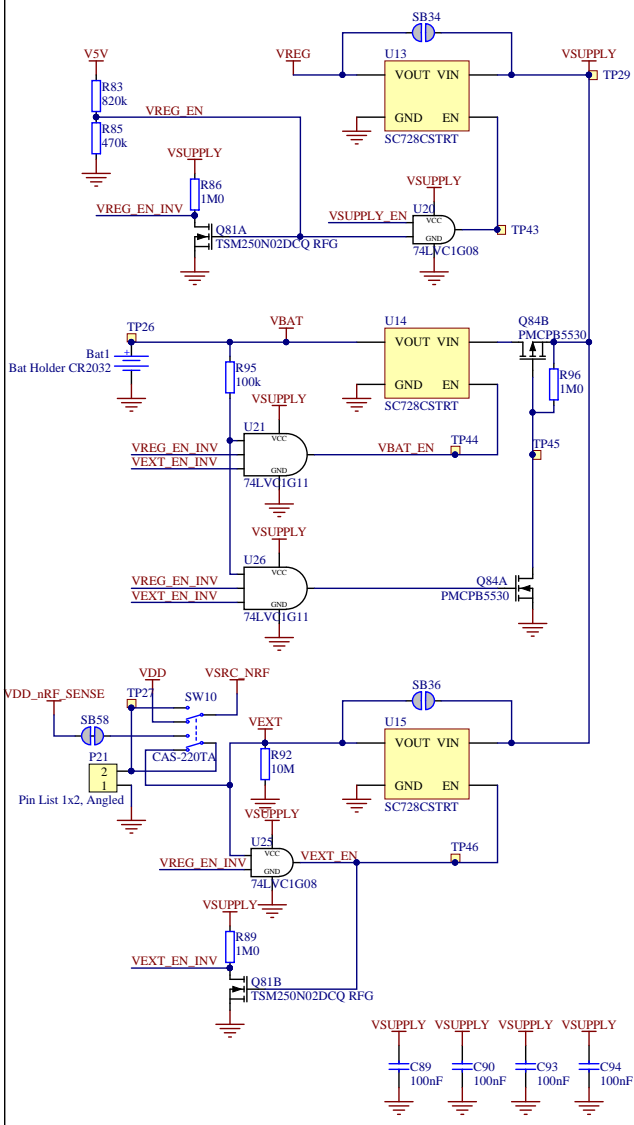
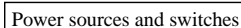
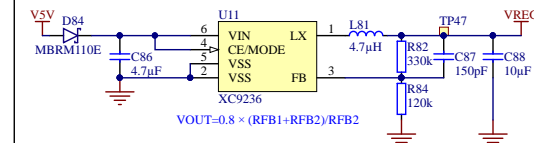
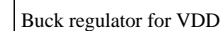
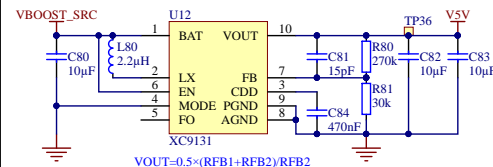
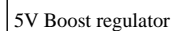
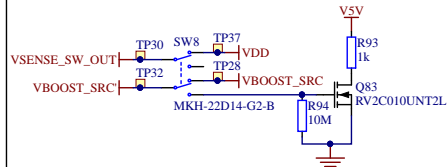
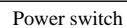
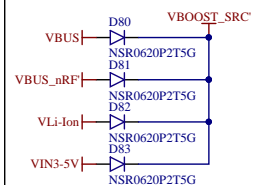
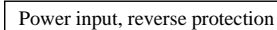


### Bottom Connectors



Size A3	Project Number 4452	Revision 1.0.0
Date: 2019.09.05		Sheet 6 of 7
File: pcal0100_sheet6_connectors.SchDoc		Drawn By: RUBR



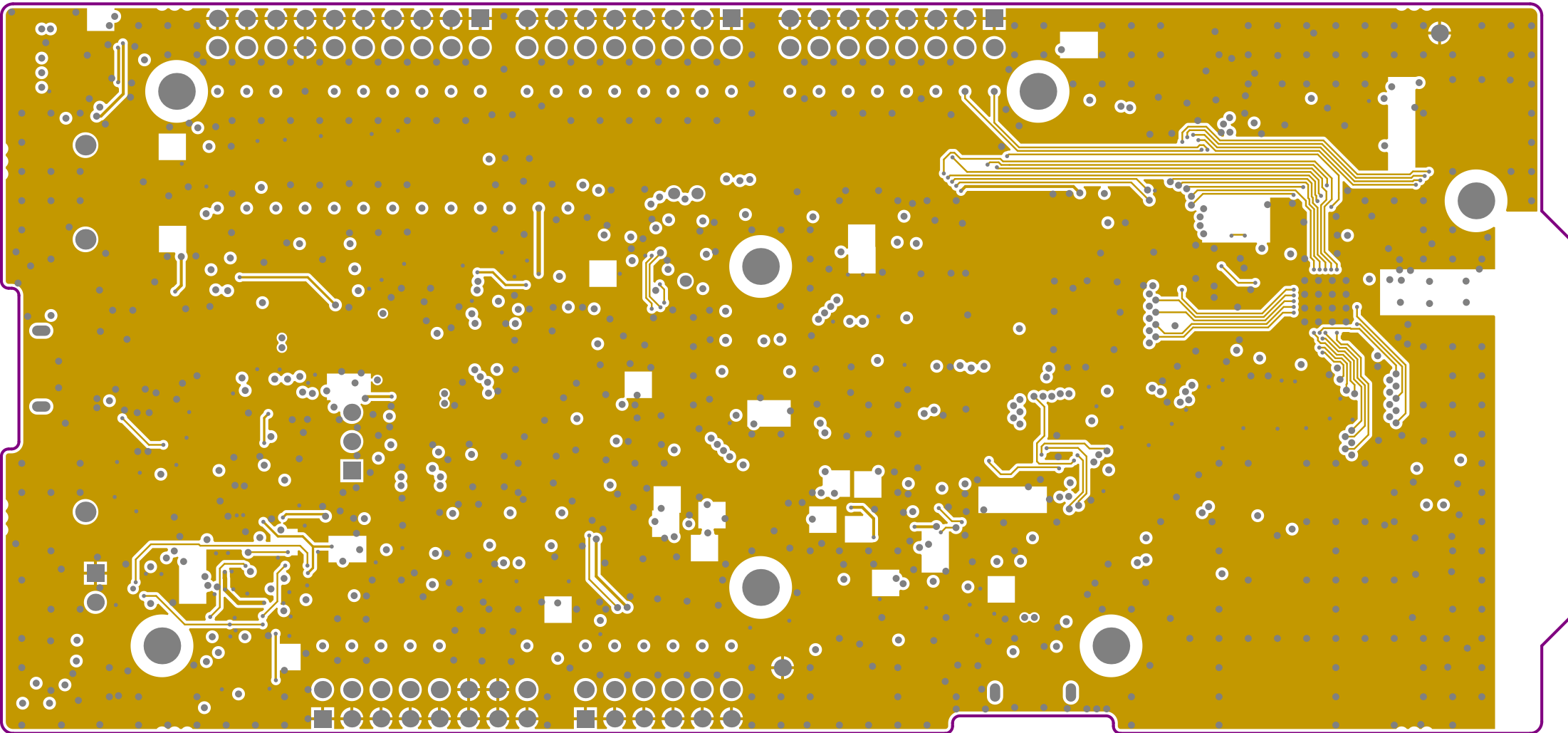


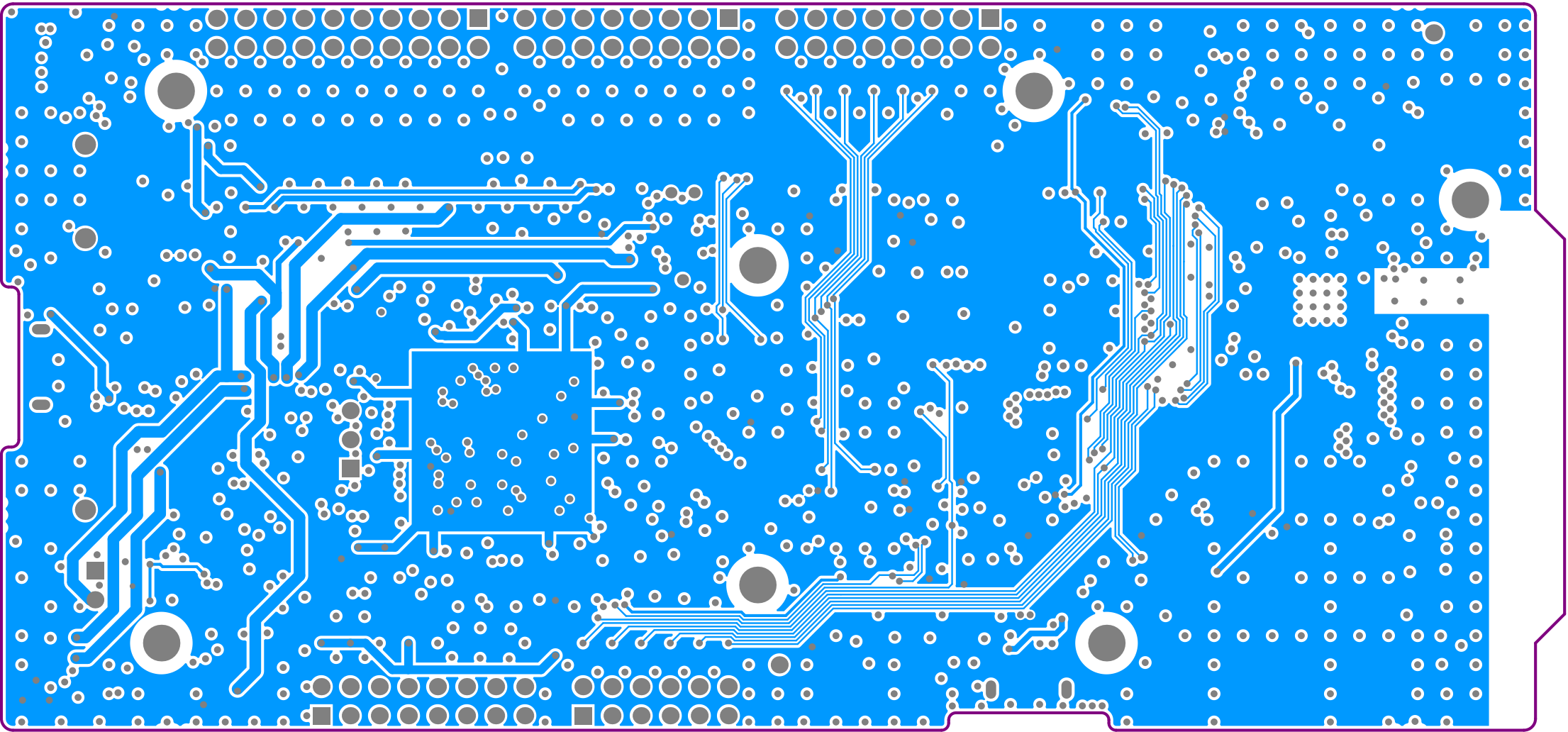
## PCA10100 - Power Supply

Size A3	Project Number 4452	Revision 1.0.0
Date: 2019.09.05		Sheet 7 of 7
File: pca10100_sheet7_power_supply.SchDoc		Drawn By: RUBR











Default

Wire bridge

2M

JBRACE

HW		
CTG	b0x03	b0x04
Enctow S	b0x13	b0x08
Enctow J	b0x14	b0x103

Function

Def.

Alt.

b01e	LED 4	SEB 4	
b01e	LED 3	SEB 4	
b014	LED 2	SEB 4	
b013	LED 1	SEB 4	
b013	Enctow 2	SEB 4	
b013	Enctow 3		
b013	Enctow 4		
b011	Enctow 1	SEB 4	
b011	X13	SEB 4	
b010	X11	SEB 4	

GPIO	Function	Snout	HW
b010	LED 4	SEB 4	
b010	LED 3	SEB 4	
b010	LED 2	SEB 4	
b010	LED 1	SEB 4	
b010	Enctow 2	SEB 4	
b010	Enctow 3		
b010	Enctow 4		
b010	Enctow 1	SEB 4	
b010	X13	SEB 4	
b010	X11	SEB 4	

GPIO	Function	HW
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