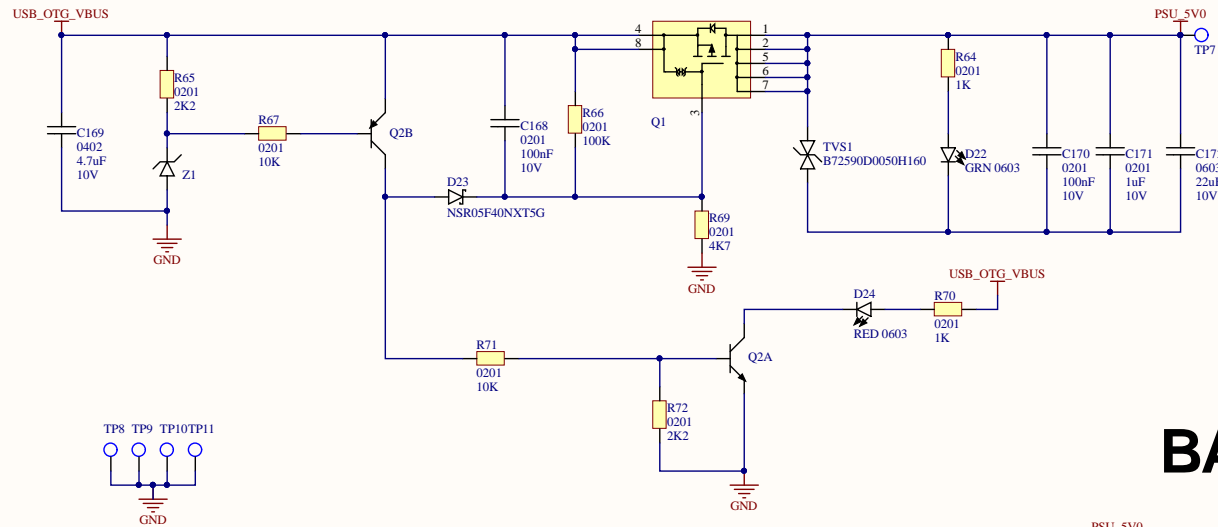
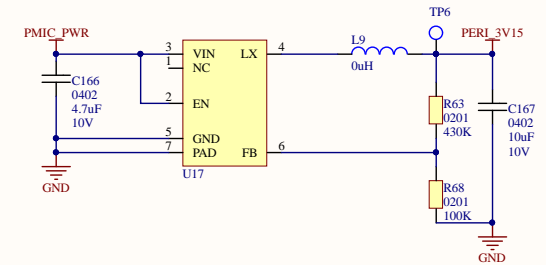


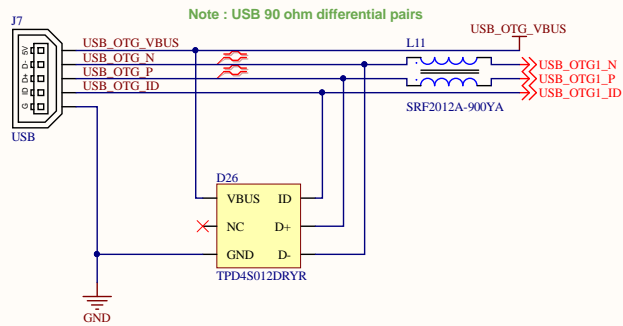
OVER VOLTAGE INDICATOR



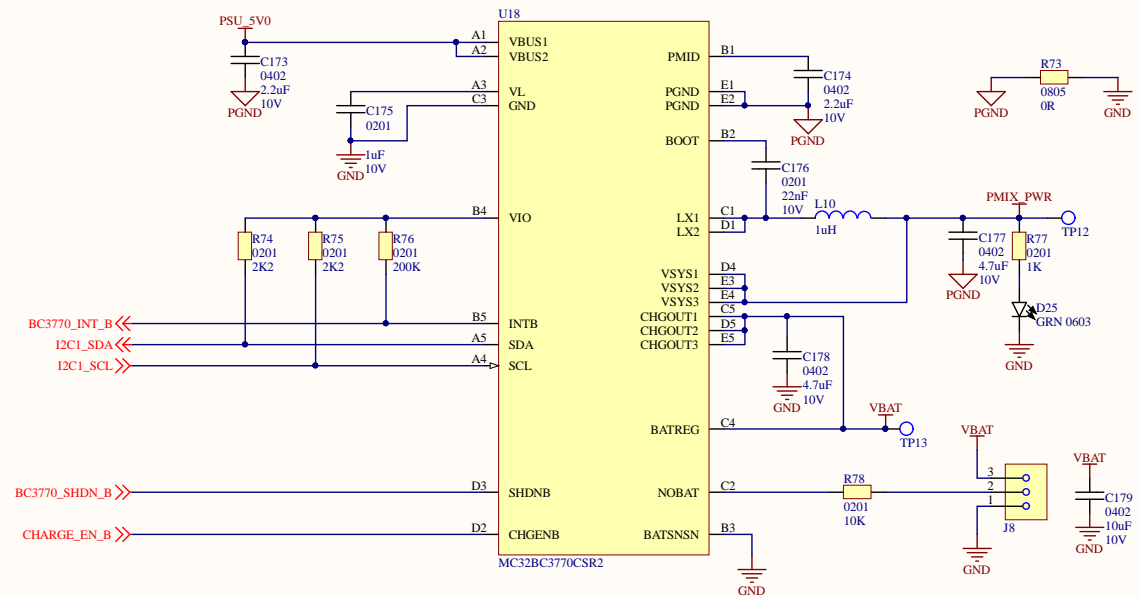
PERI 3V15 (1A)



USB OTG

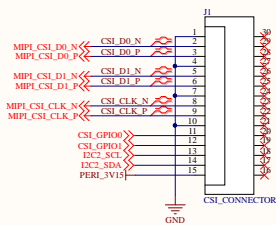


BATTERY CHARGE

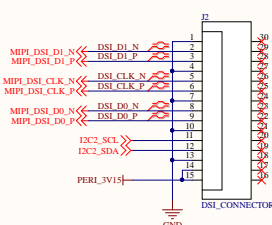


Note: I2C slaver address : 92h for write , 93h for read.

CSI

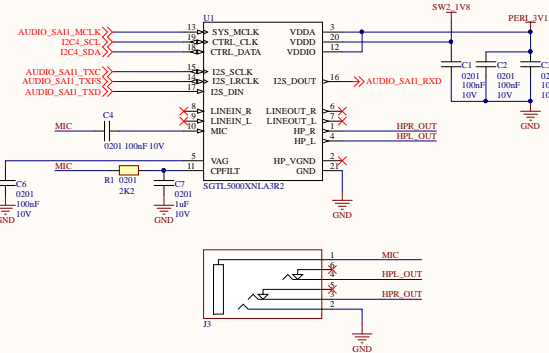


DSI

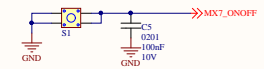


Note : DSI & CSI connectors are Raspberry device compatible

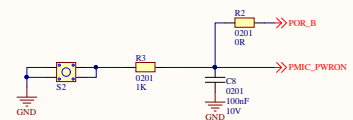
Audio



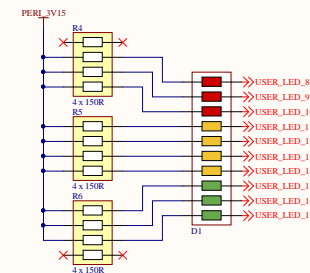
Power Button



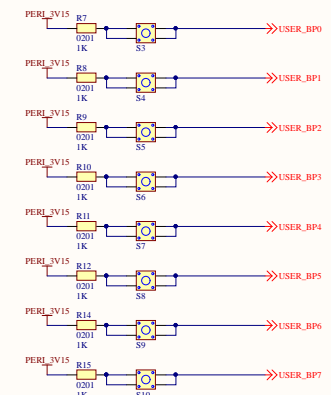
PMIC Power Button



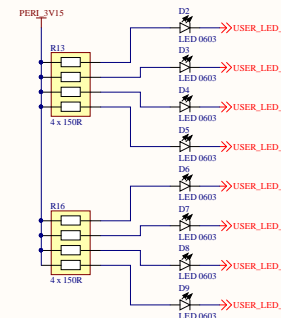
Bar Graph



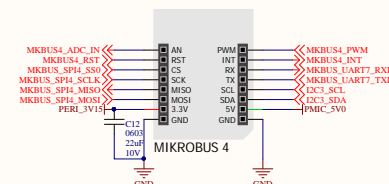
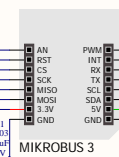
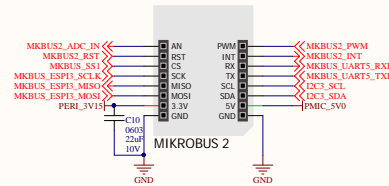
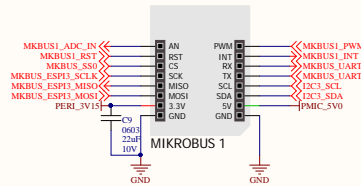
User Button



User LEDs

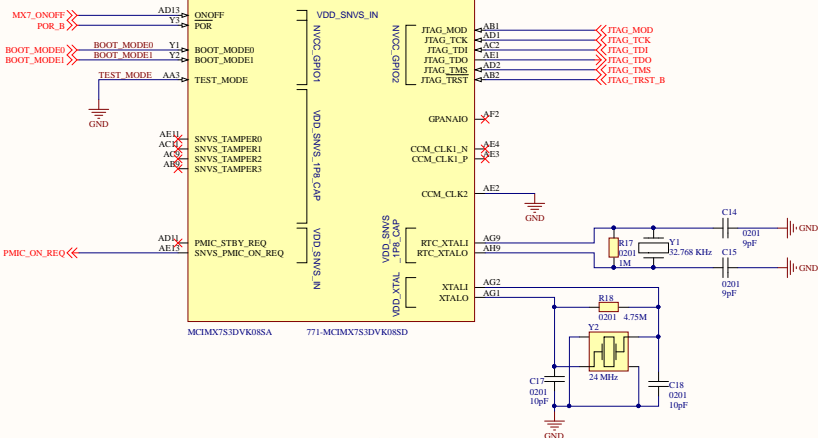


MIKROBUS

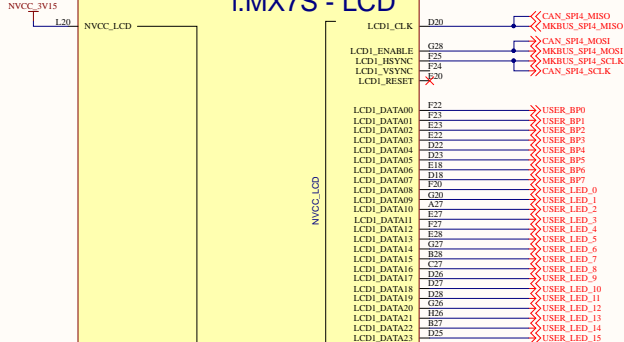


Note : SPI4 ON MKBUS 4, manual control of SS on MKBUS4

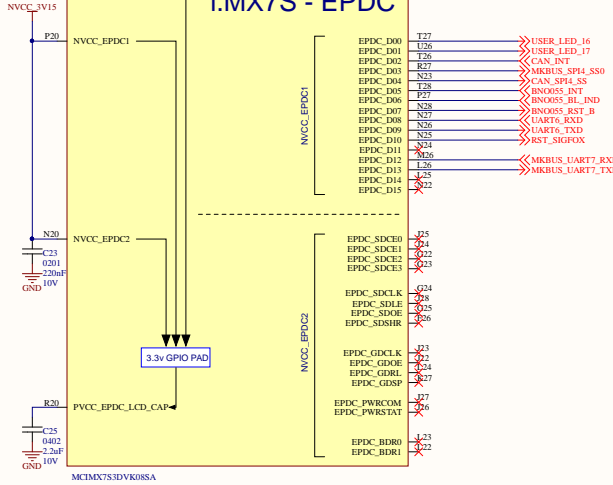
i.MX7S - CONTROL



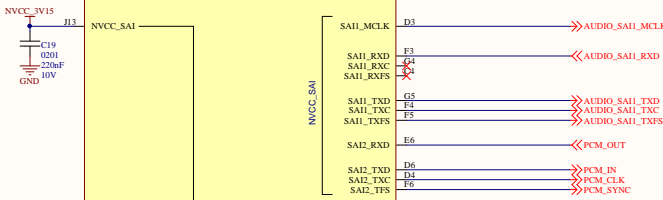
i.MX7S - LCD



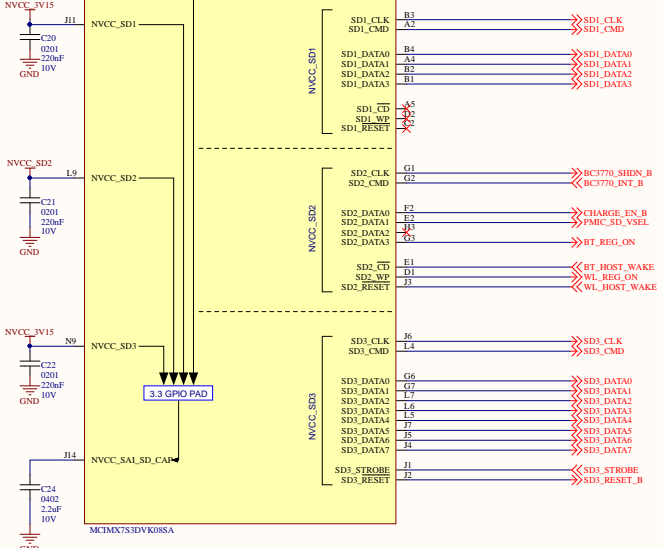
i.MX7S - EPDC

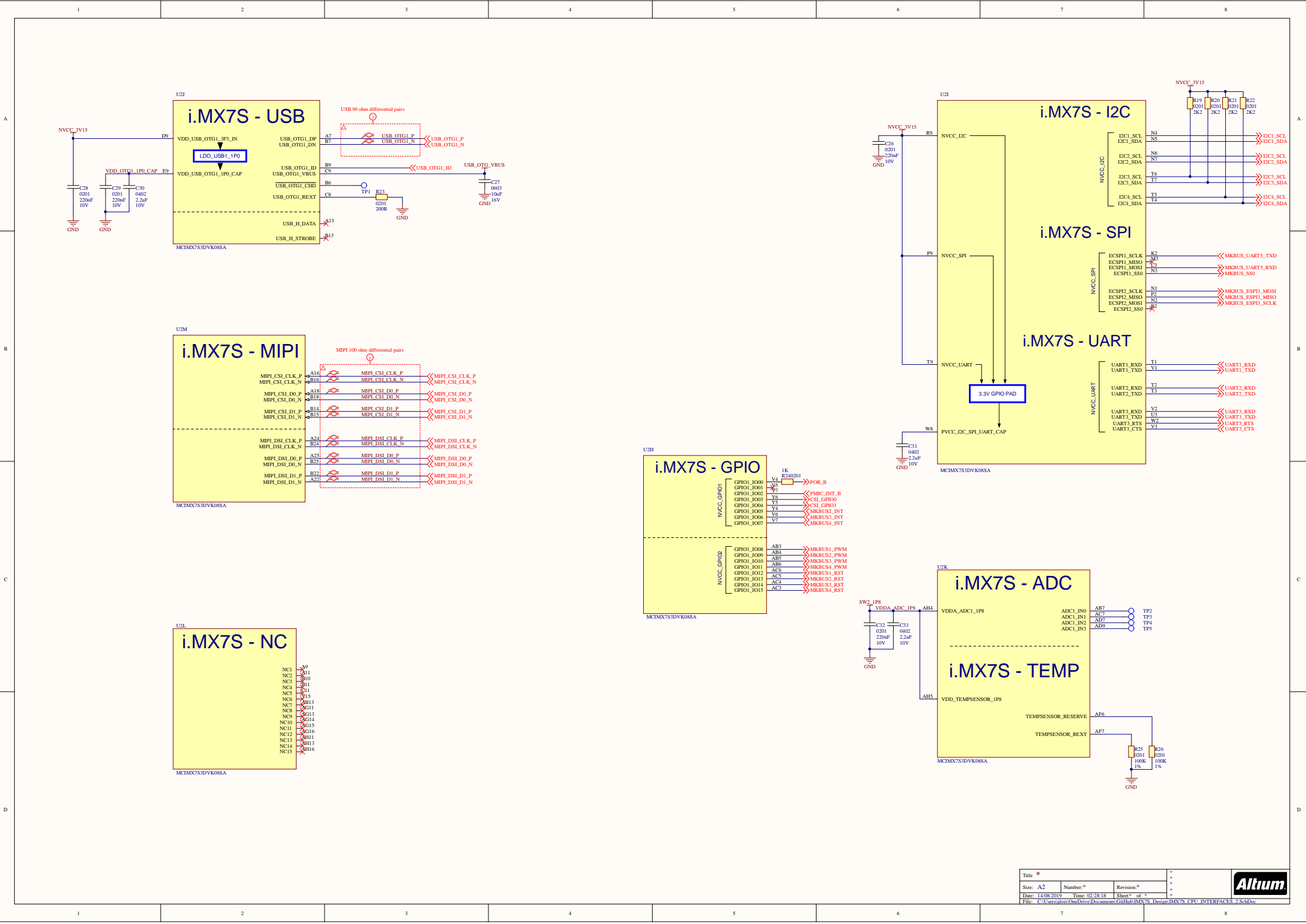


i.MX7S - SAI

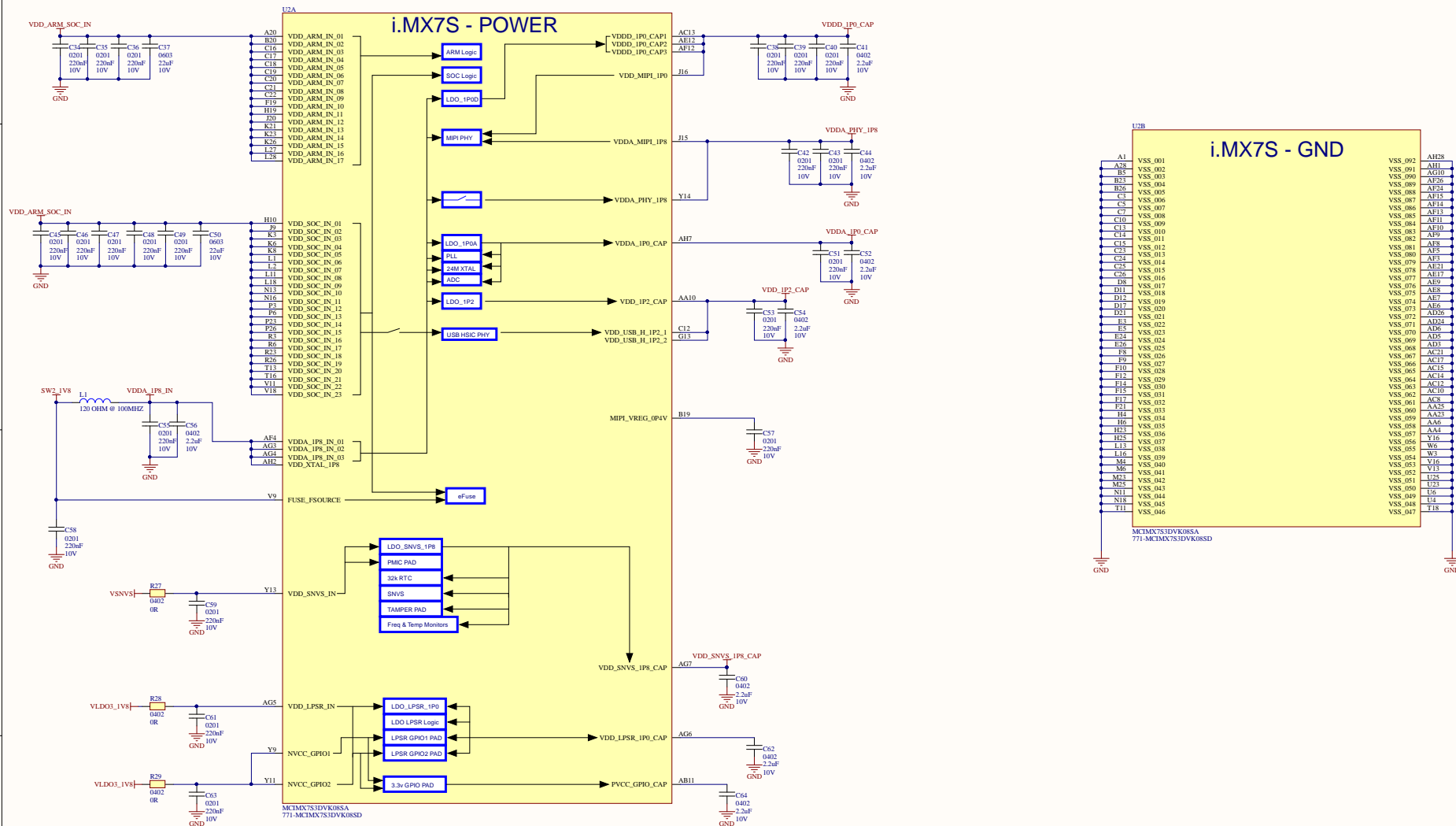


i.MX7S - SD

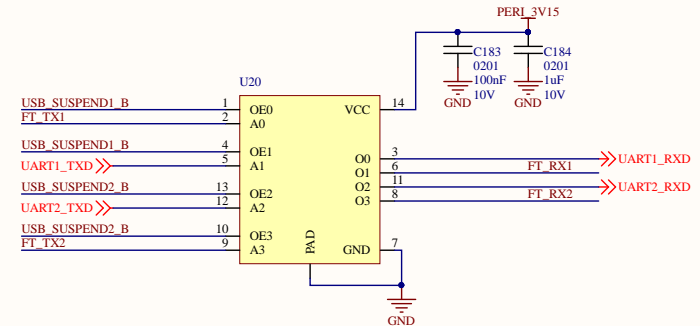
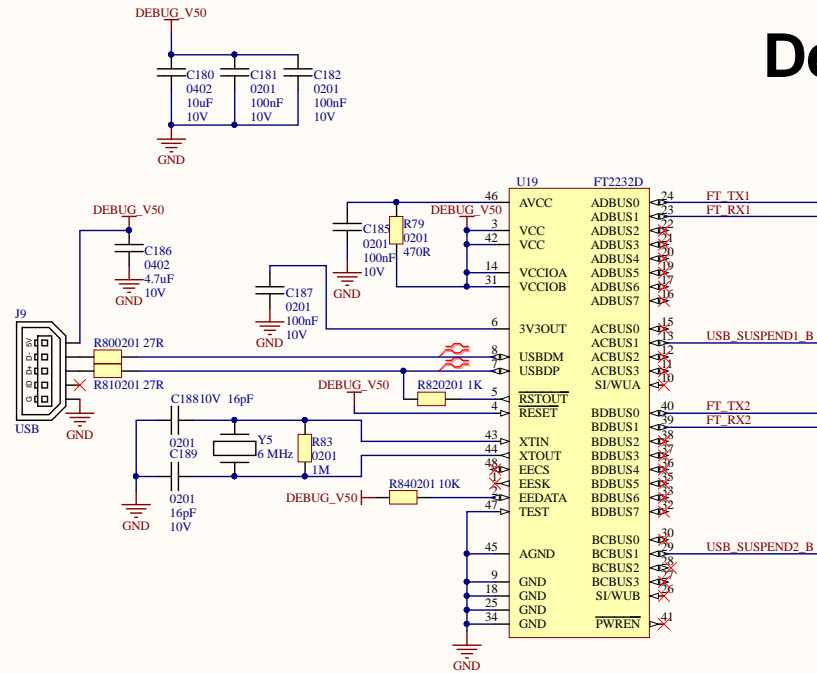




CPU_POWER

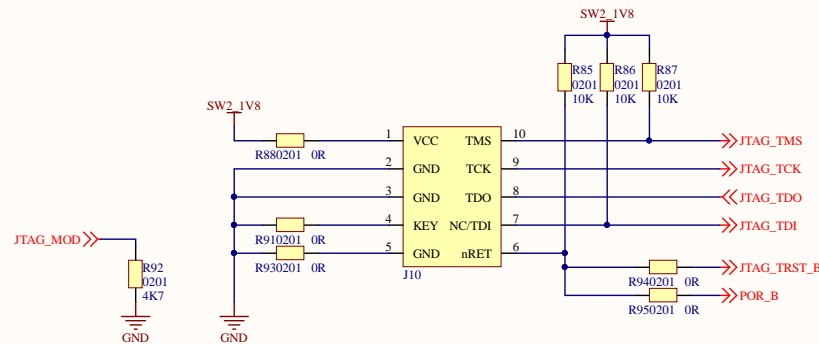


Debug UART

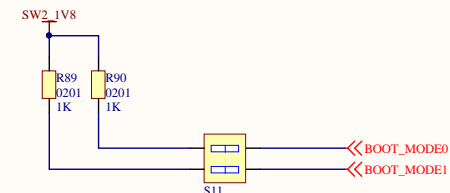


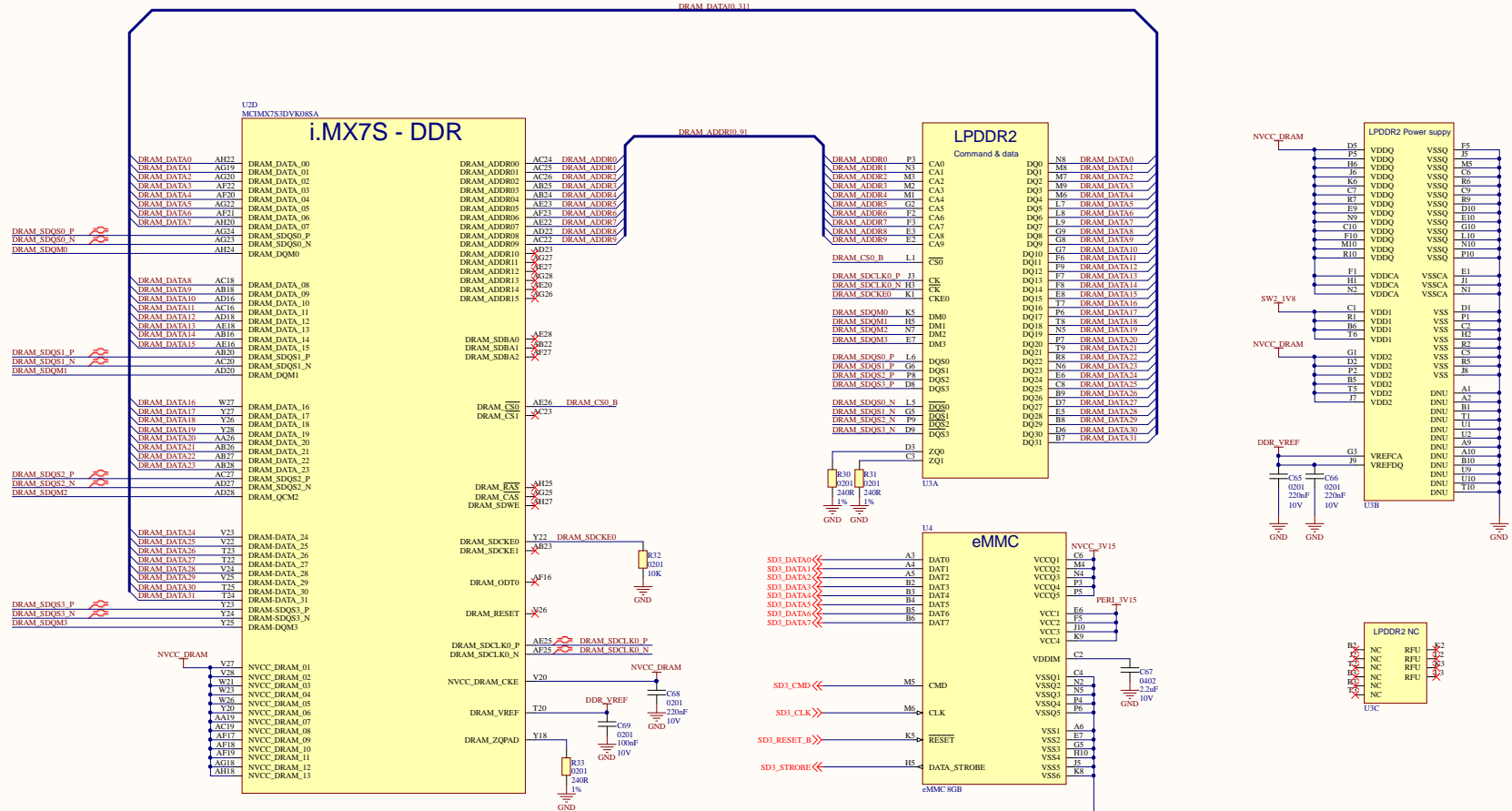
BOOT MODE

JTAG



BOOT_MODE	1	0
FUSES	0	0
MANUFACTURE	0	1
INTERNAL BOOT	1	0
TEST MODE	1	1





PMIC

A

A

B

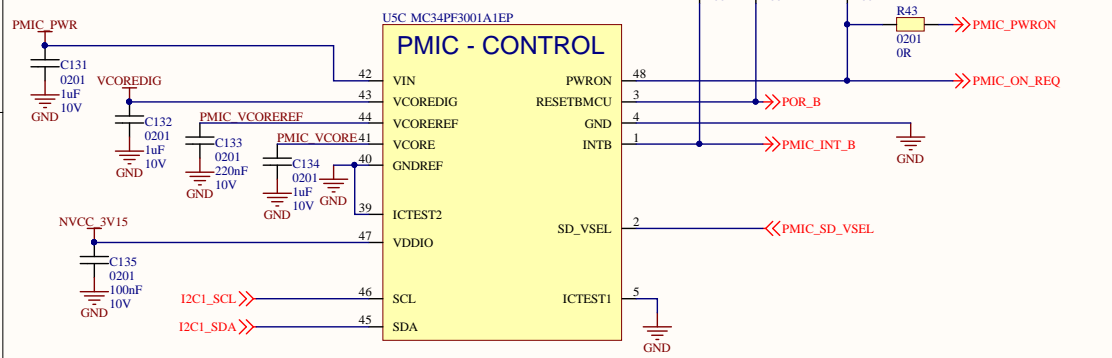
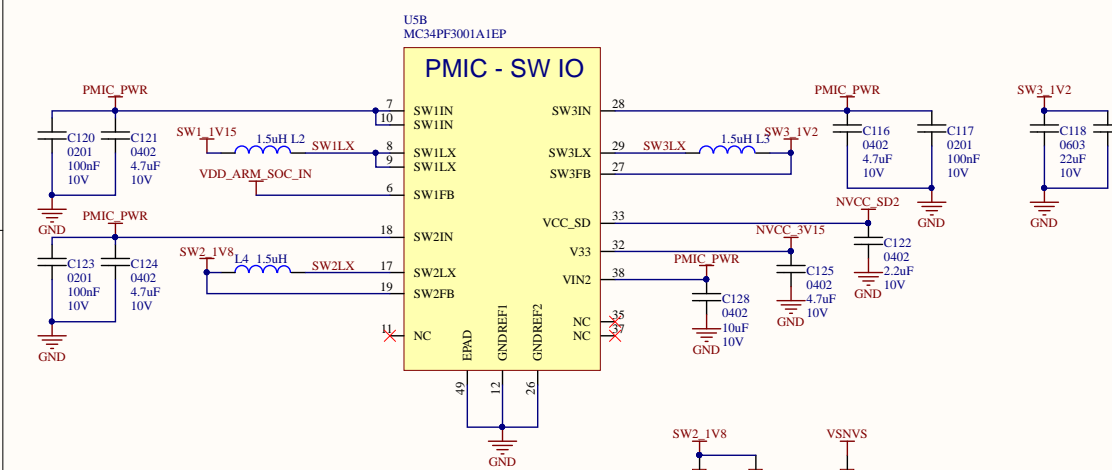
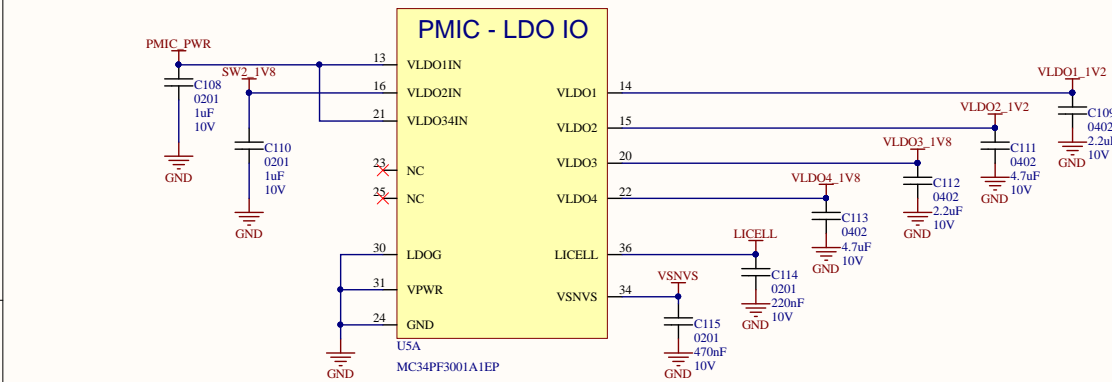
B

C

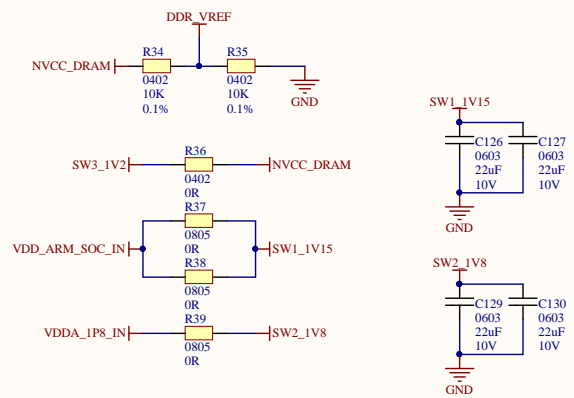
C

D

D



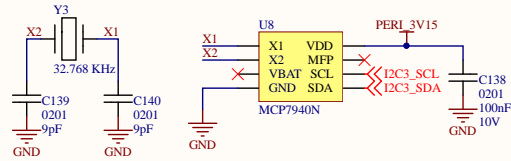
Note : I2C slaver address : 08h (exceptions to the standard are noted to be 7-bit only addressing)



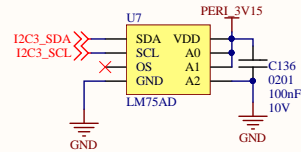
Title *			*
Size: A3			*
Number: *			*
Revision: *			*
Date: 14/08/2019			*
Time: 02:28:19			*
Sheet * of *			*
File: C:\Users\alois\OneDrive\Documents\GitHub\IMX7S_Design\IMX7S_PMIC.SchDoc			*



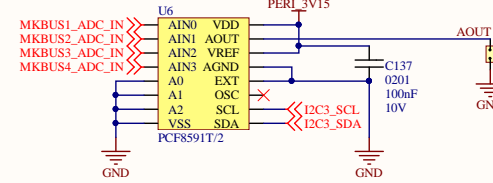
RTC



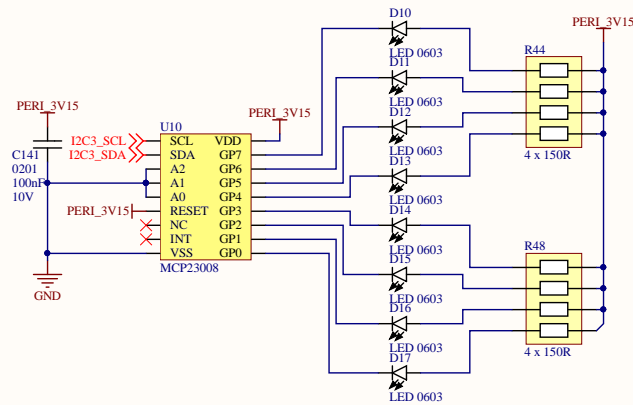
Temp. Sensor



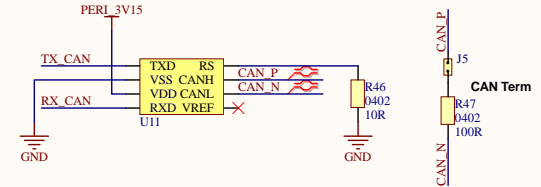
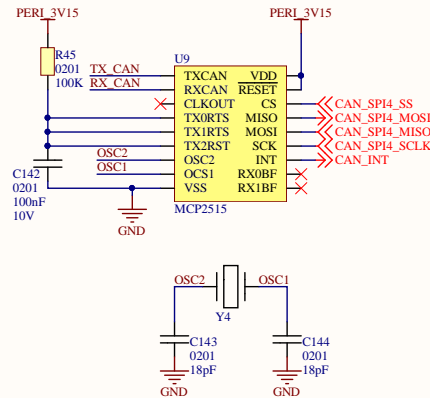
ADC/DAC



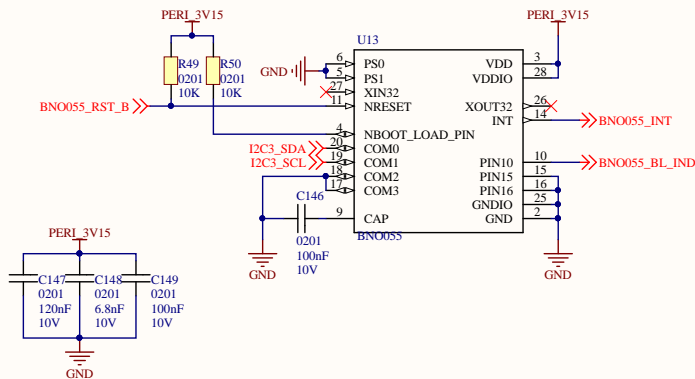
GPIO Expander



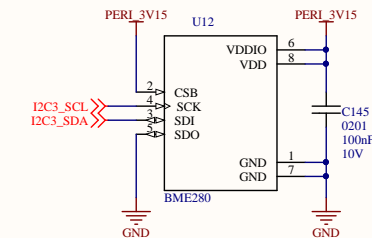
SPI / CAN



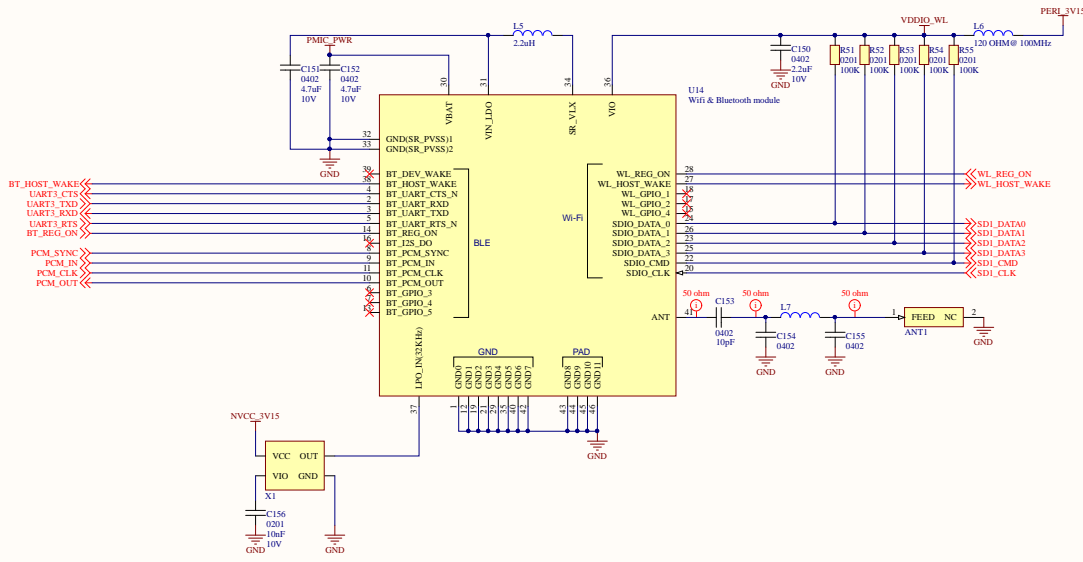
BNO055



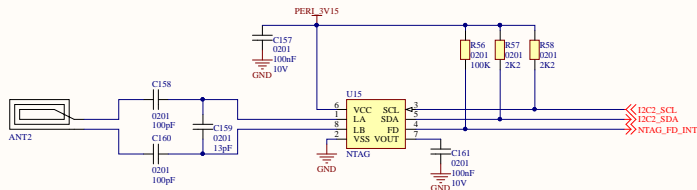
BME280



WiFi & Bluetooth



NTAG_I2C



SigFox

