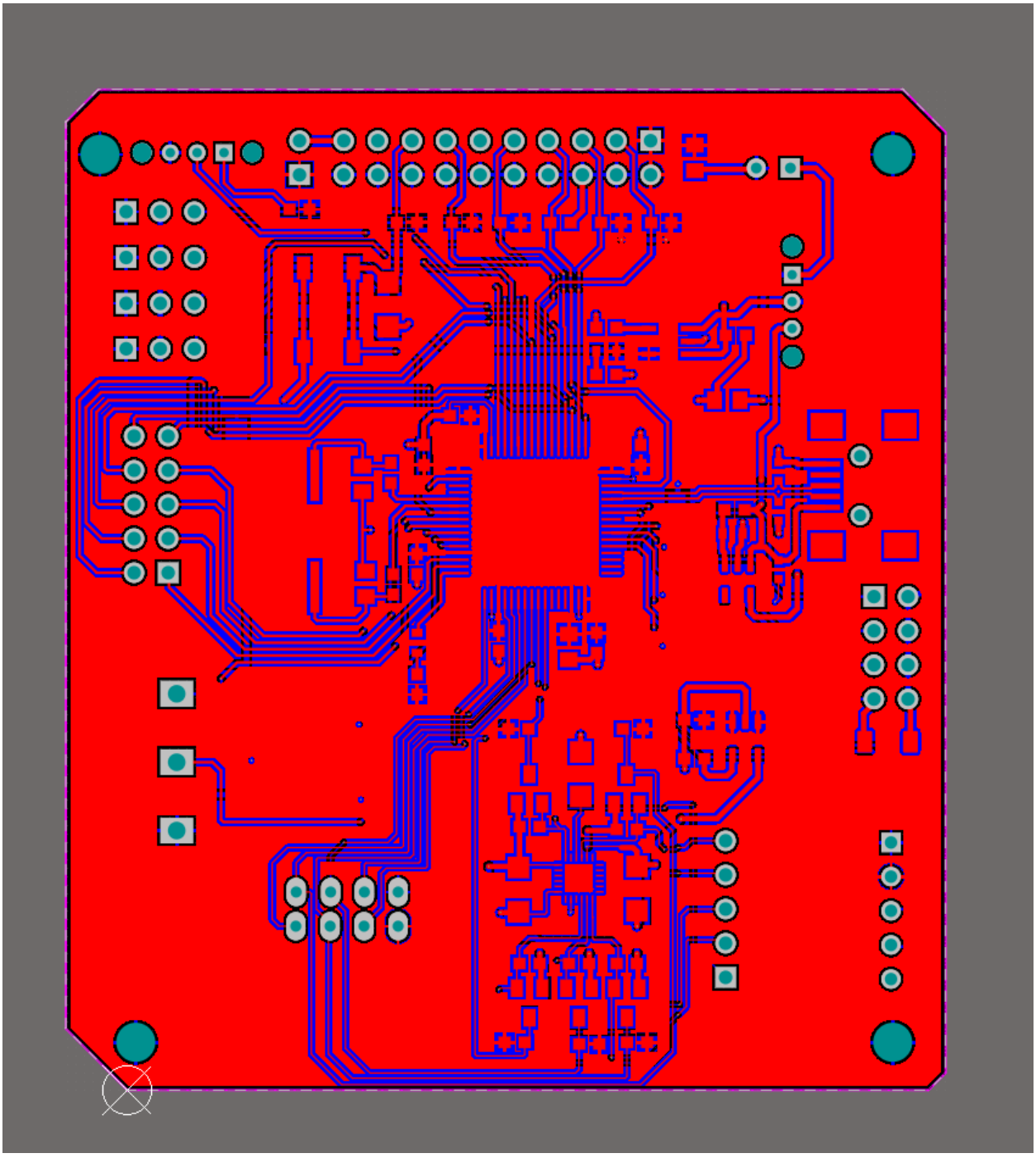
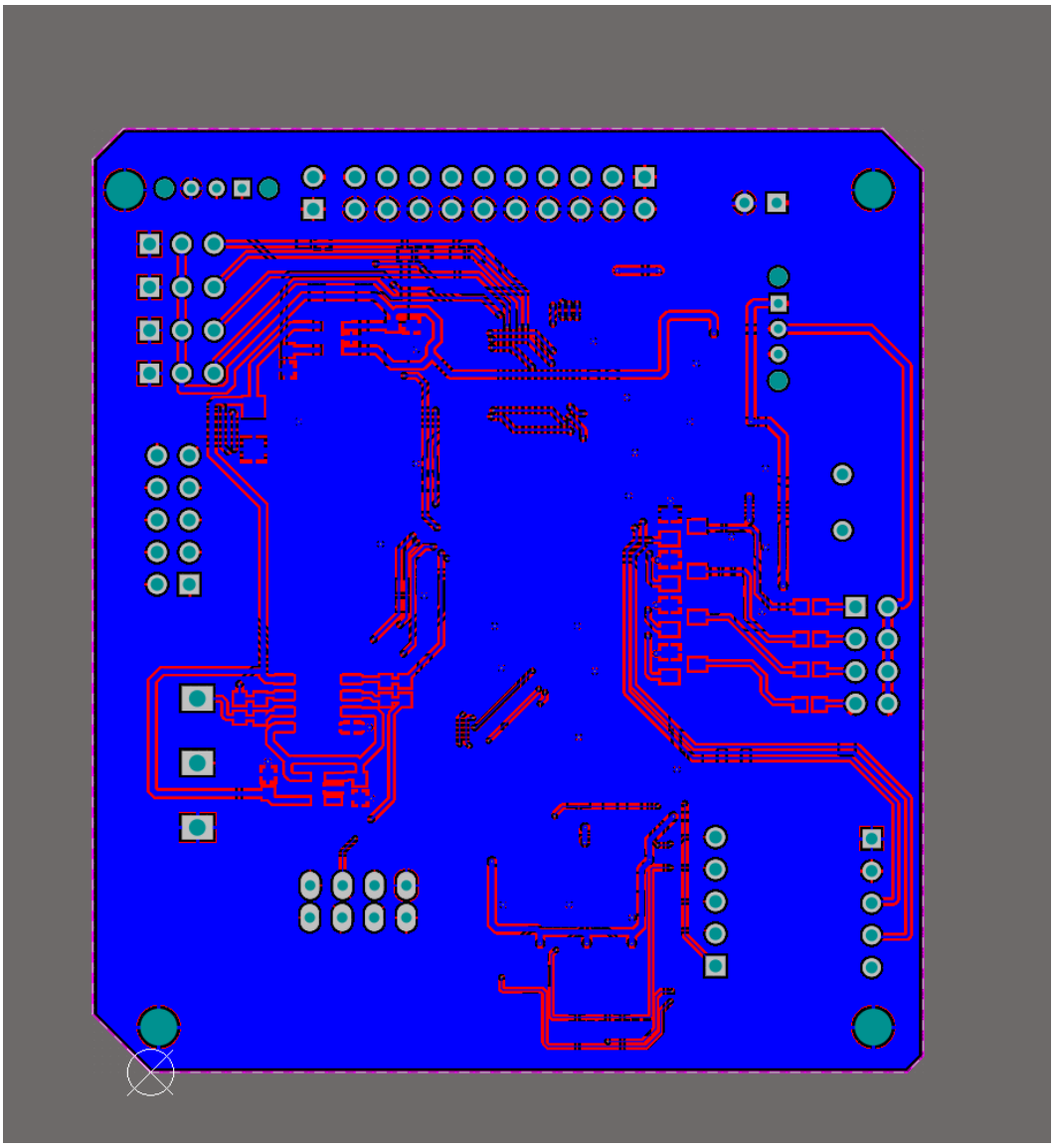
- PCB Layout

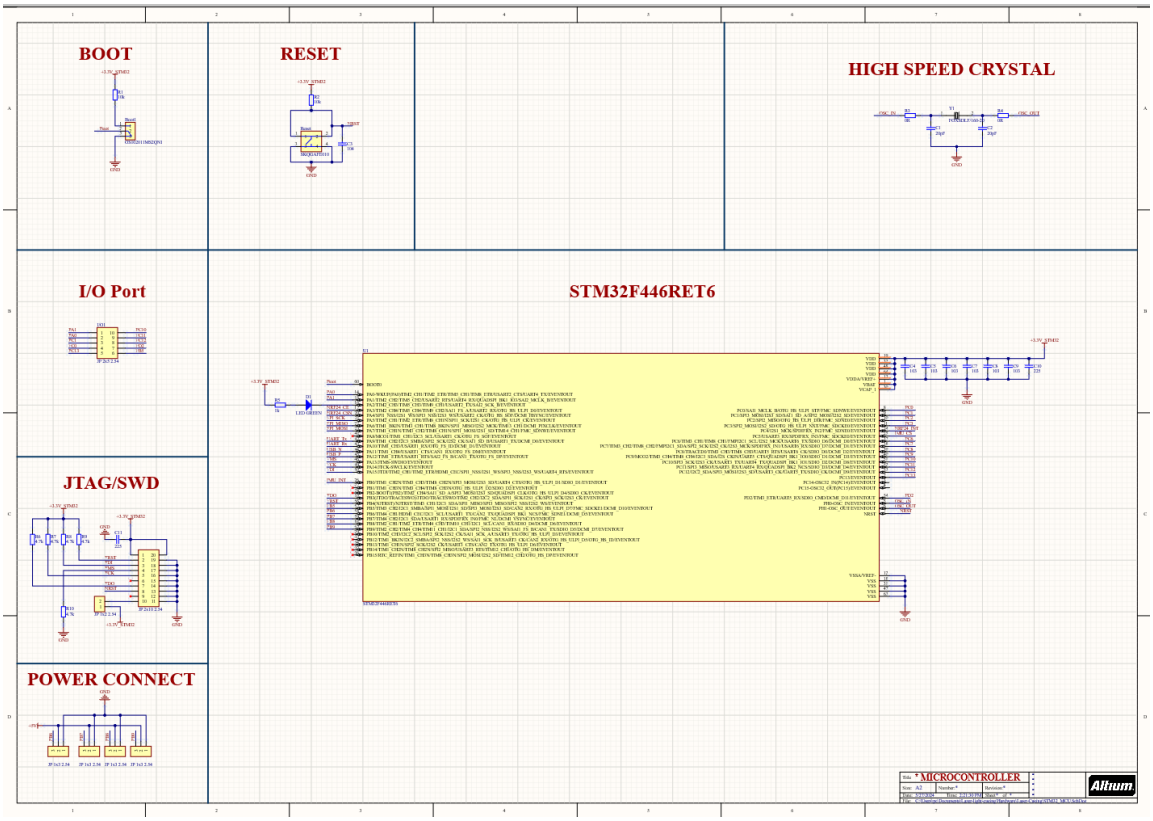
  Top layer:



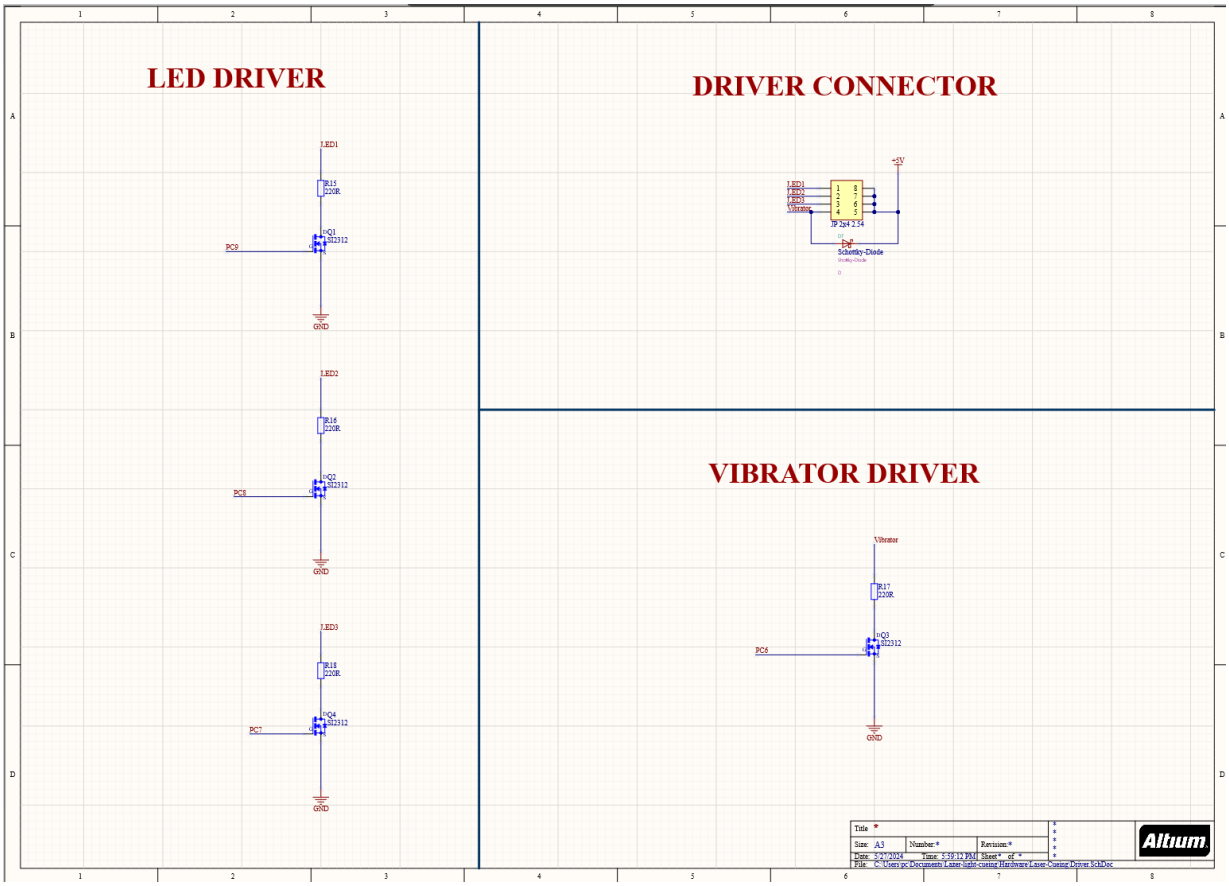
- Bottom layer:



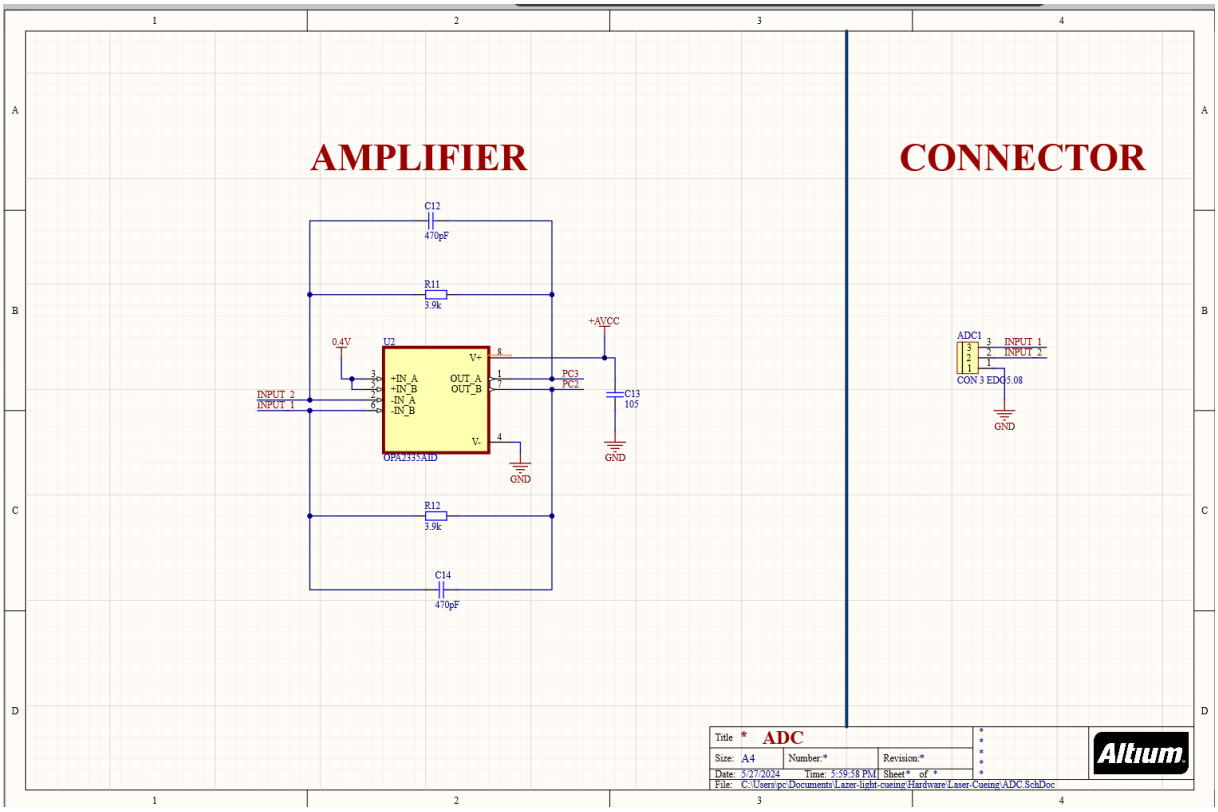
- Schematics:
- Microctronller:



Driver:


LED DRIVER
DRIVER CONNECTOR
VIBRATOR DRIVER
LED1
R15
220R
Q1
IRF2312
PC9
GND
LED2
R16
220R
Q2
IRF2312
PC8
GND
LED3
R18
220R
Q4
IRF2312
PC7
GND
LED1
LED2
LED3
Vibrator
+5V
IP 2x4 2.54
D1
Schottky-Diode
Vibrator
R17
220R
Q3
IRF2312
PC6
GND
Title *
Size: A3
Number:*
Revision:*
Date: 7/25/2024
Time: 5:39:15 PM
Sheet * of *
File: C:\Users\pc\Documents\Laser-light-cueing Hardware\Laser-Cueing Driver.SchDoc
Altium

- ADC:


AMPLIFIER
CONNECTOR
C12
470pF
R11
3.9k
0.4V
U2
+IN_A
+IN_B
-IN_A
-IN_B
V+
OUT_A
OUT_B
V-
OPA2335AID
+AVCC
PC3
PC2
C13
105
GND
INPUT_2
INPUT_1
R12
3.9k
C14
470pF
ADC1
INPUT_1
INPUT_2
CON 3 EDG5.08
Title * ADC
Size: A4
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Revision:*
Date: 5/27/2024
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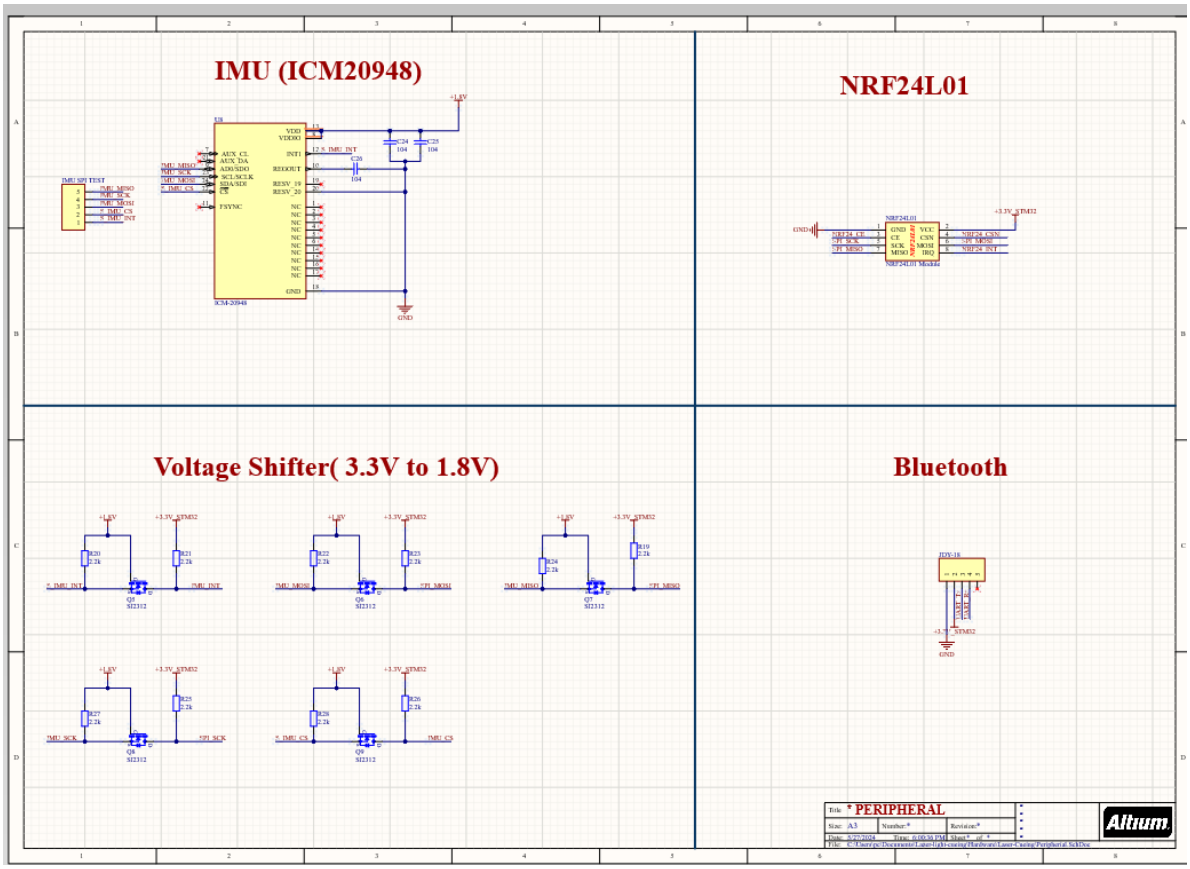
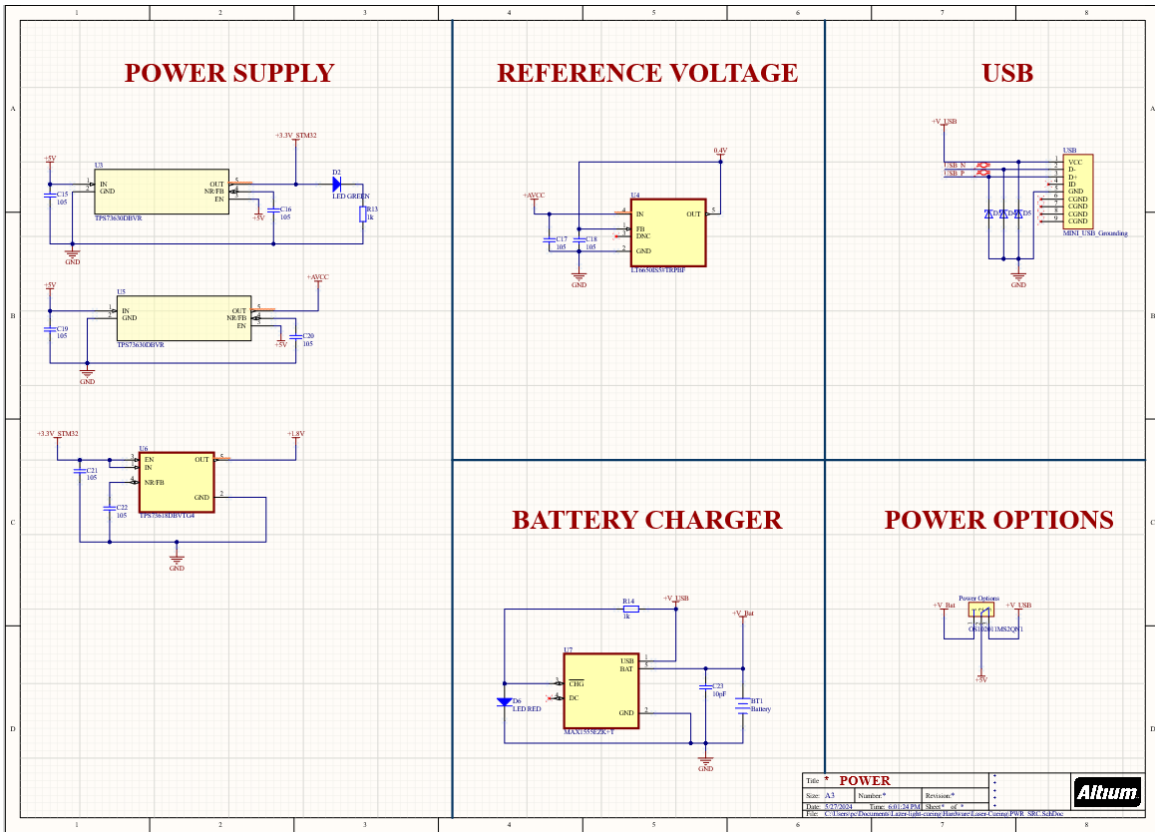
Sheet * of *
File: C:\Users\pc\Documents\Lazer-light-cueing\Hardware\Laser-Cueing\ADC.SchDoc
Altium

- Peripheral:


IMU (ICM20948)
NRF24L01
Voltage Shifter(3.3V to 1.8V)
Bluetooth
PERIPHERAL
Altium

- Power Source: