

Sailbot Sheet Map[6B], Battery Management System[4C]

Battery Interrupt

R1
100K

Q1
S_1 G
S_2 D_1
S_3 D_2
BUK6Y24-40PX

VCC15V0

C1
VCC
GND
Main Power Connector

GND

VCC5V0

C1
0.1uF

L1
7.2 uH

D2

C2
47uF

C3
47uF

C4
47uF

R2
53.6k

R3
10.2k

B1
BOOT SW
VIN GND
EN COMP
RT/CLK FB
TPS54560BDDA

C5
2.2 uF

C6
2.2 uF

C7
2.2 uF

C8
2.2 uF

R4
442k

R6
90.9K

R7
243k

GND

GND

GND

R5
16.9k
C9
47pF
C10
4700pF
GND

Title

Size

A

Number

Revision

Date:

11/01/2023

Sheet of

File: C:\Users\...\Power Supply.SchDoc

Drawn By:

A

A

B

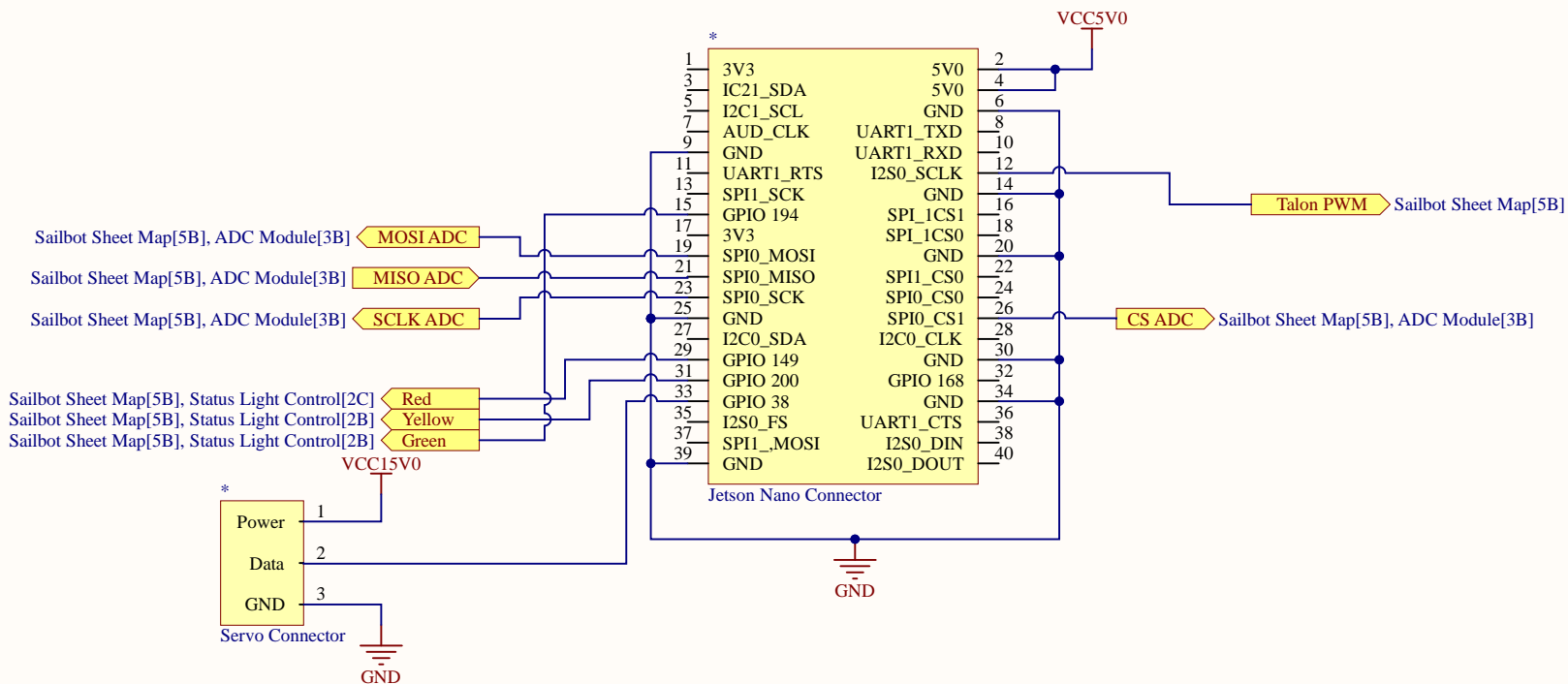
B

C

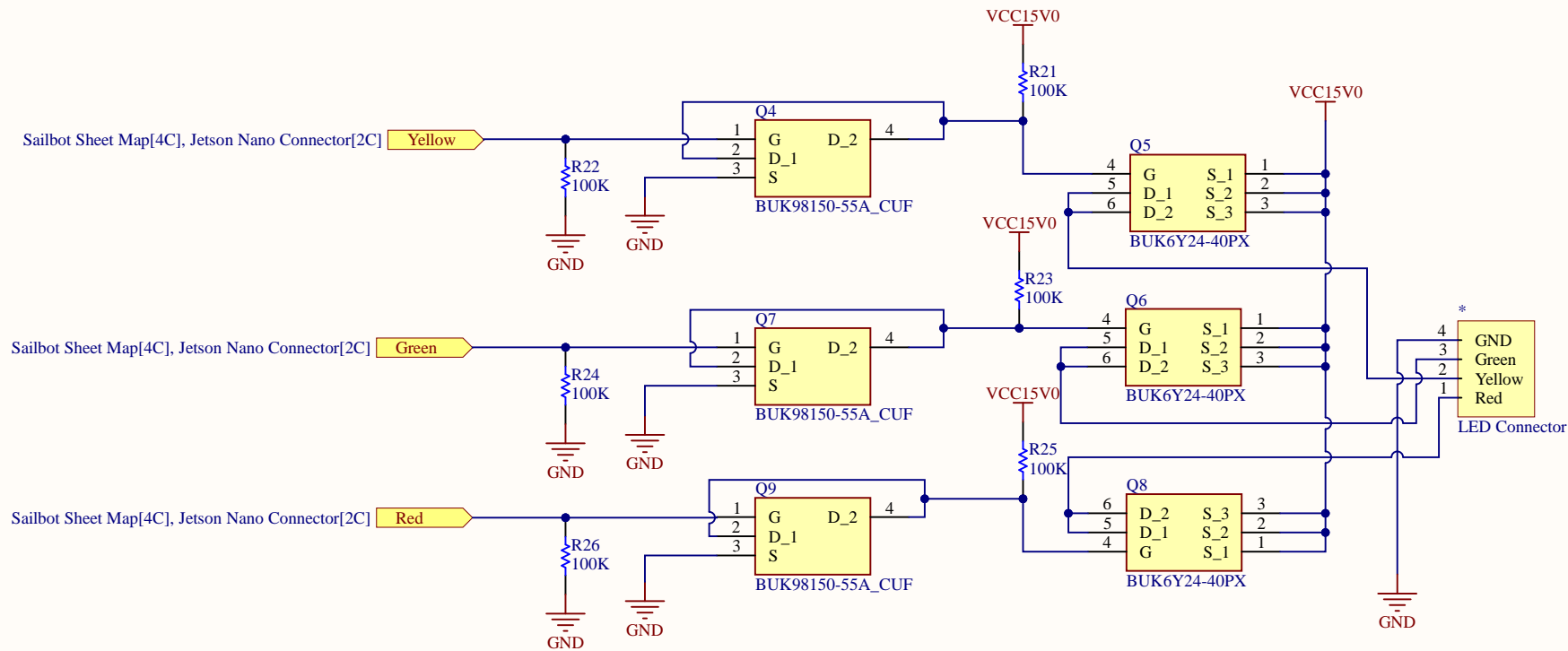
C

D

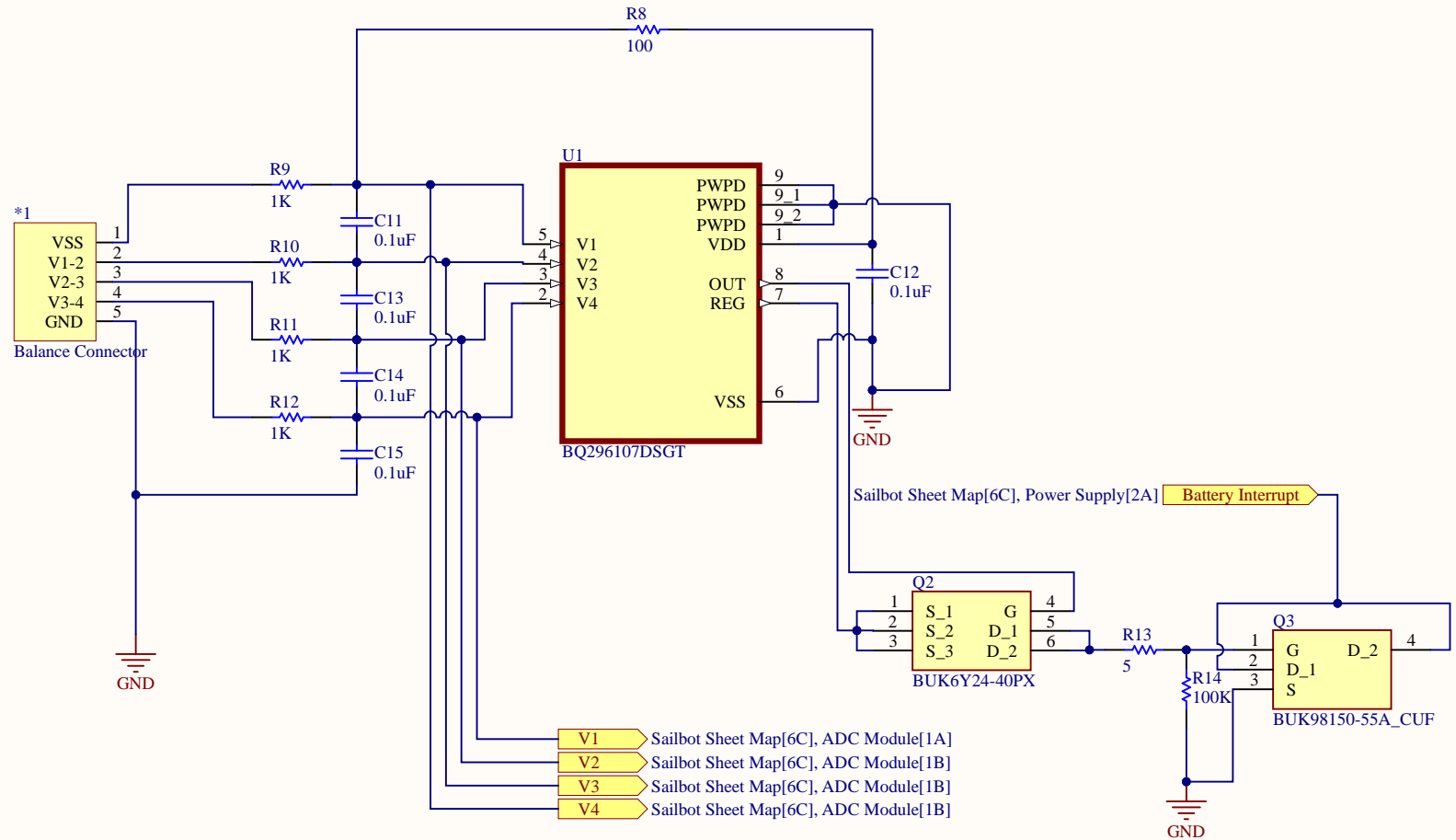
D



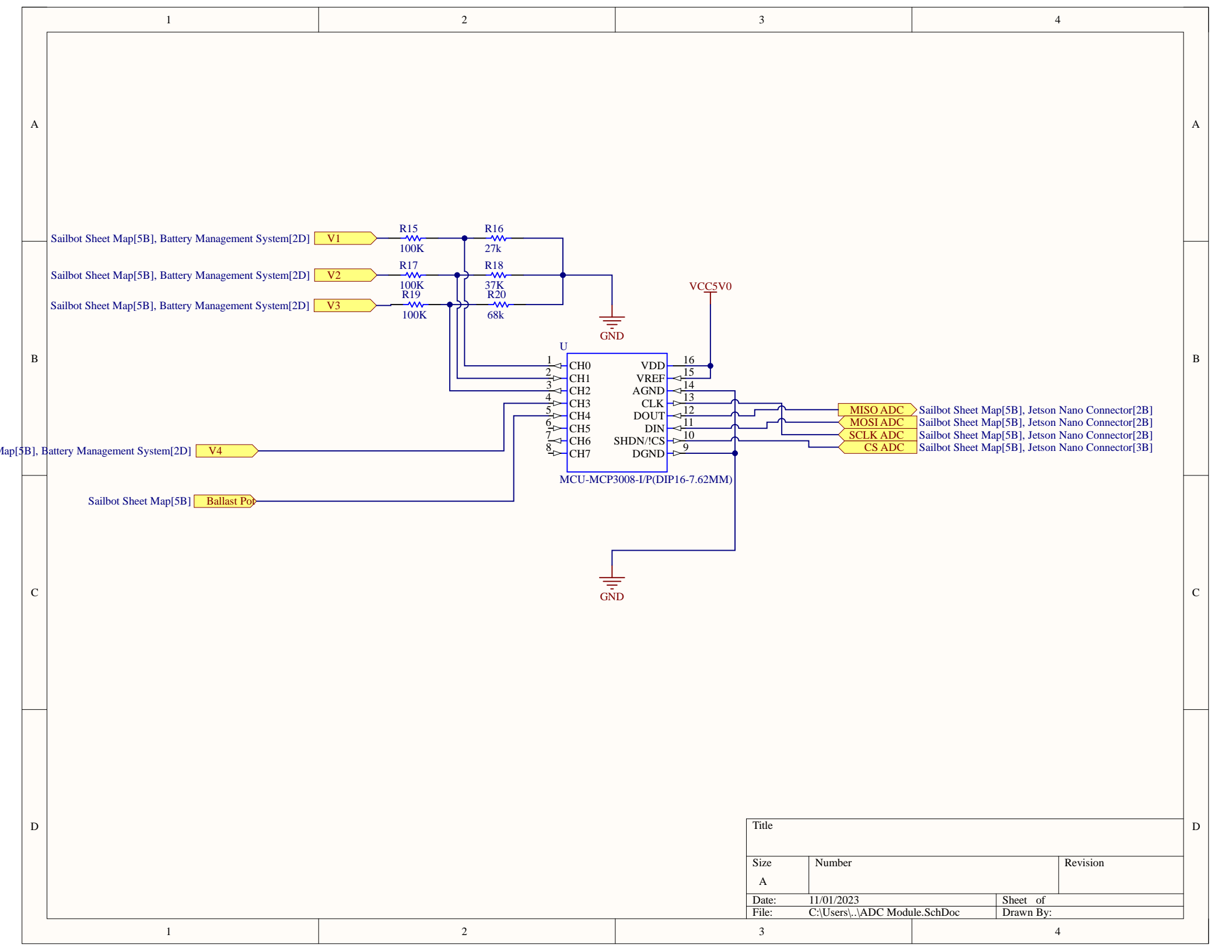
Title		
Size	Number	Revision
A		
Date:	11/01/2023	Sheet of
File:	C:\Users\...\Jetson Nano Connector.SchDocDrawn By:	



Title		
Size	Number	Revision
A		
Date:	11/01/2023	Sheet of
File:	C:\Users\...\Status Light Control.SchDoc	Drawn By:



Title		
Size	Number	Revision
A		
Date:	11/01/2023	Sheet of
File:	C:\Users\...\Battery Management System...	Shown By:



Board Stack Report