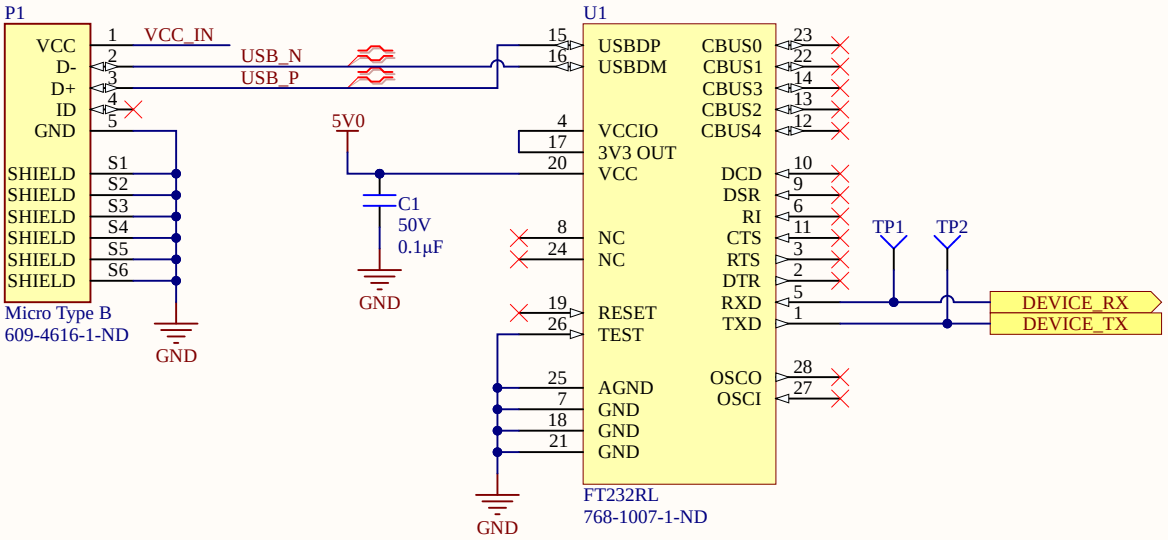

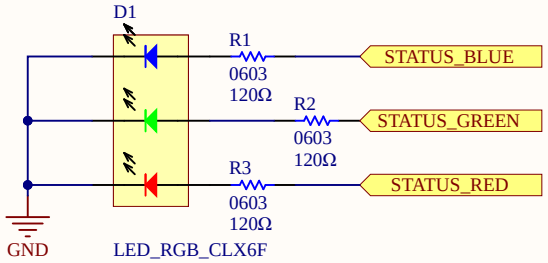

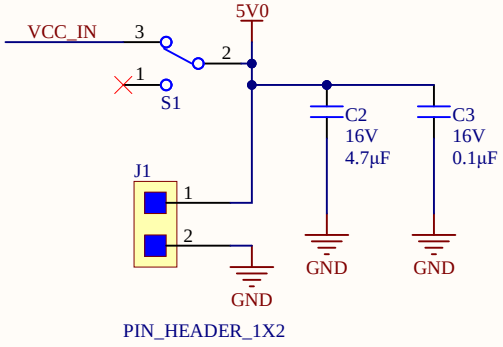

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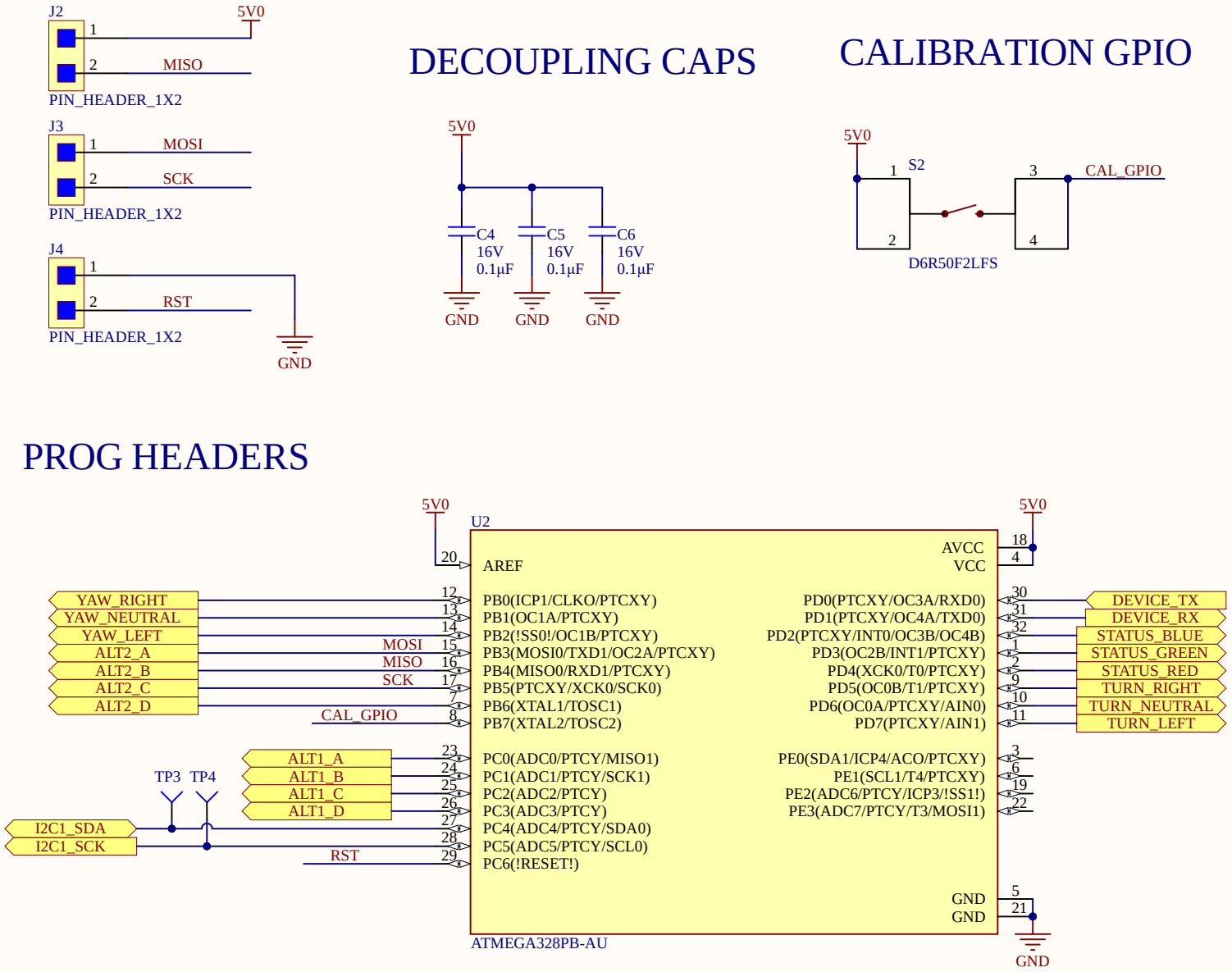
J2
5V0
1
2
MISO
PIN_HEADER_1X2
J3
1
MOSI
2
SCK
PIN_HEADER_1X2
J4
1
2
RST
PIN_HEADER_1X2
GND
DECOUPLING CAPS
5V0
C4
16V
0.1µF
C5
16V
0.1µF
C6
16V
0.1µF
GND
GND
GND
CALIBRATION GPIO
5V0
1
S2
3
CAL_GPIO
2
4
D6R50F2LFS
PROG HEADERS
5V0
U2
20
AREF
AVCC
18
VCC
4
YAW_RIGHT
YAW_NEUTRAL
YAW_LEFT
ALT2_A
ALT2_B
ALT2_C
ALT2_D
MOSI
MISO
SCK
CAL_GPIO
12
13
14
15
16
17
7
8
PB0(ICP1/CLKO/PTCXY)
PB1(OC1A/PTCXY)
PB2(!SS0!/OC1B/PTCXY)
PB3(MOSI0/TXD1/OC2A/PTCXY)
PB4(MISO0/RXD1/PTCXY)
PB5(PTCXY/XCK0/SCK0)
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
PD0(PTCXY/OC3A/RXD0)
PD1(PTCXY/OC4A/TXD0)
PD2(PTCXY/INT0/OC3B/OC4B)
PD3(OC2B/INT1/PTCXY)
PD4(XCK0/T0/PTCXY)
PD5(OC0B/T1/PTCXY)
PD6(OC0A/PTCXY/AIN0)
PD7(PTCXY/AIN1)
30
31
32
1
2
9
10
11
DEVICE_TX
DEVICE_RX
STATUS_BLUE
STATUS_GREEN
STATUS_RED
TURN_RIGHT
TURN_NEUTRAL
TURN_LEFT
ALT1_A
ALT1_B
ALT1_C
ALT1_D
23
24
25
26
PC0(ADC0/PTCY/MISO1)
PC1(ADC1/PTCY/SCK1)
PC2(ADC2/PTCY)
PC3(ADC3/PTCY)
PE0(SDA1/ICP4/ACO/PTCXY)
PE1(SCL1/T4/PTCXY)
PE2(ADC6/PTCY/ICP3/!SS1!)
PE3(ADC7/PTCY/T3/MOSI1)
3
6
19
22
TP3
TP4
I2C1_SDA
I2C1_SCK
27
28
PC4(ADC4/PTCY/SDA0)
PC5(ADC5/PTCY/SCL0)
RST
29
PC6(!RESET!)
GND
GND
5
21
GND
ATMEGA328PB-AU
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A
Number
Revision
Date:
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File:
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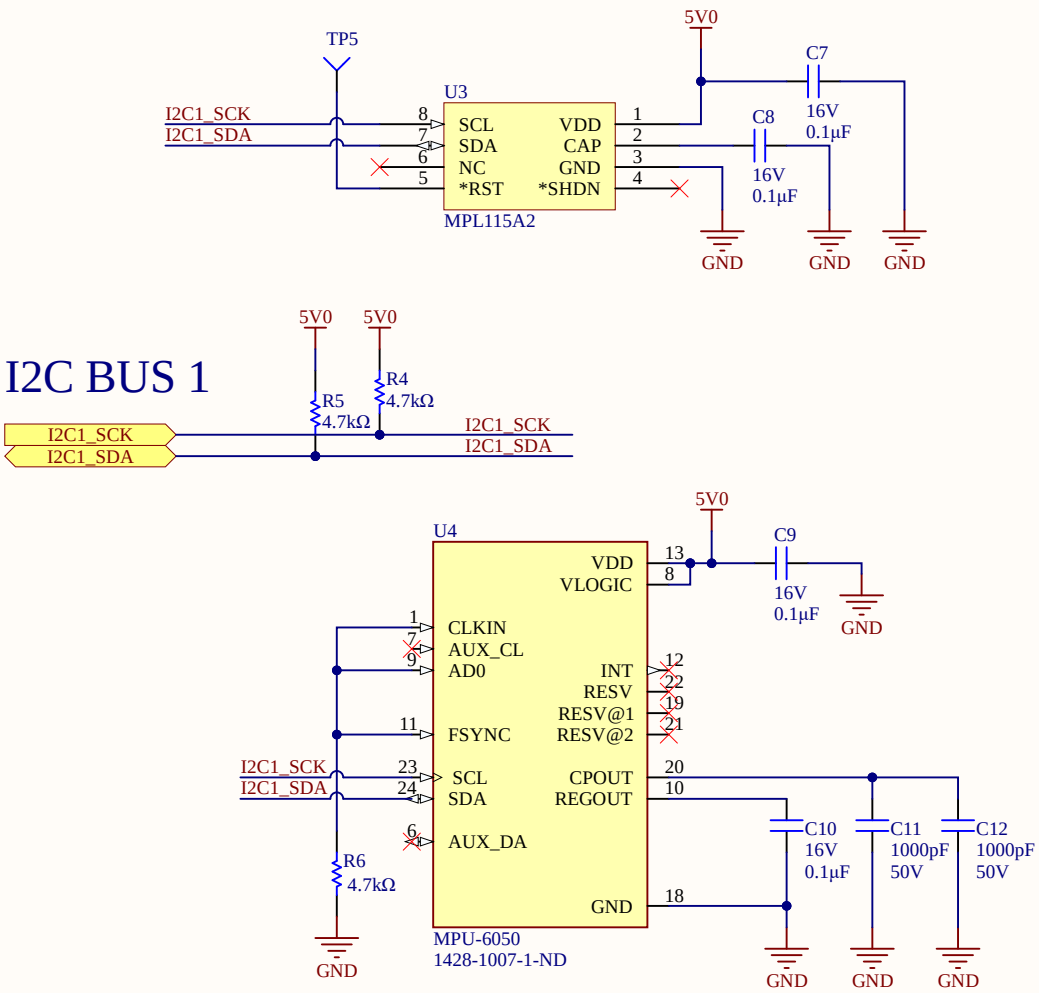

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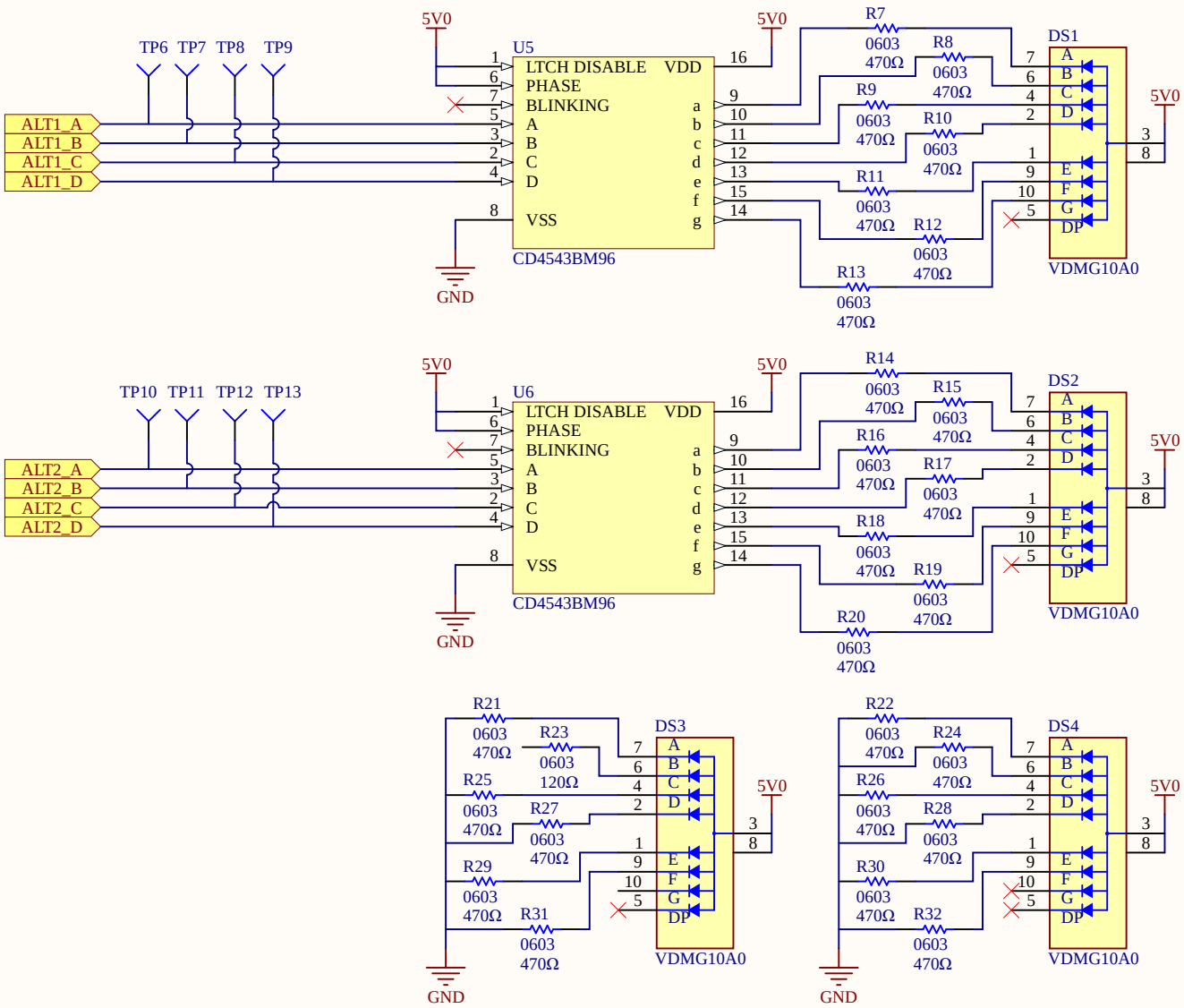
Altimeter Display



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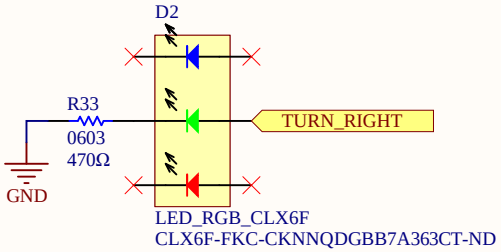
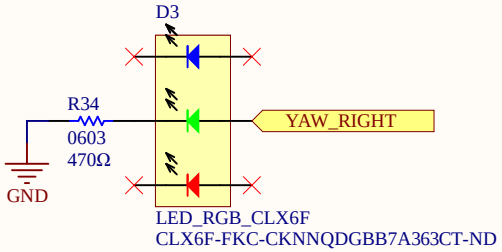
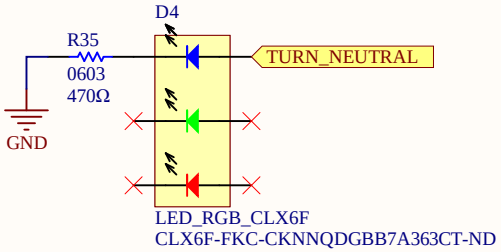
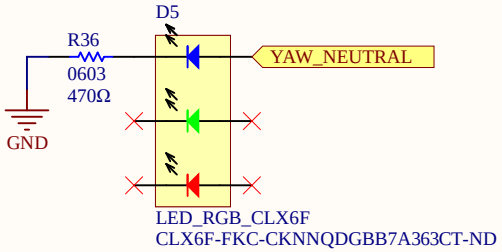
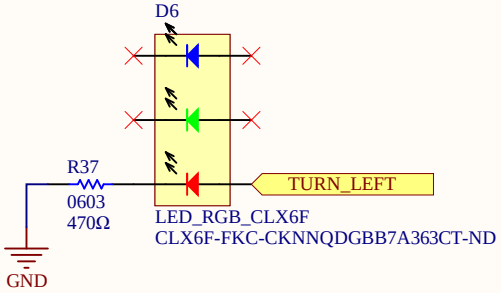
TURN LED's

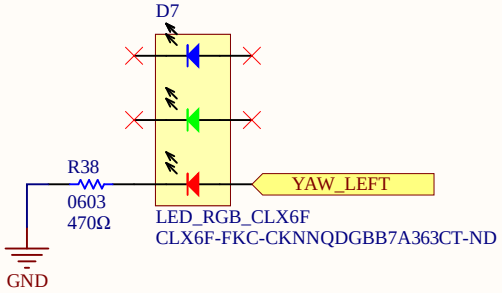












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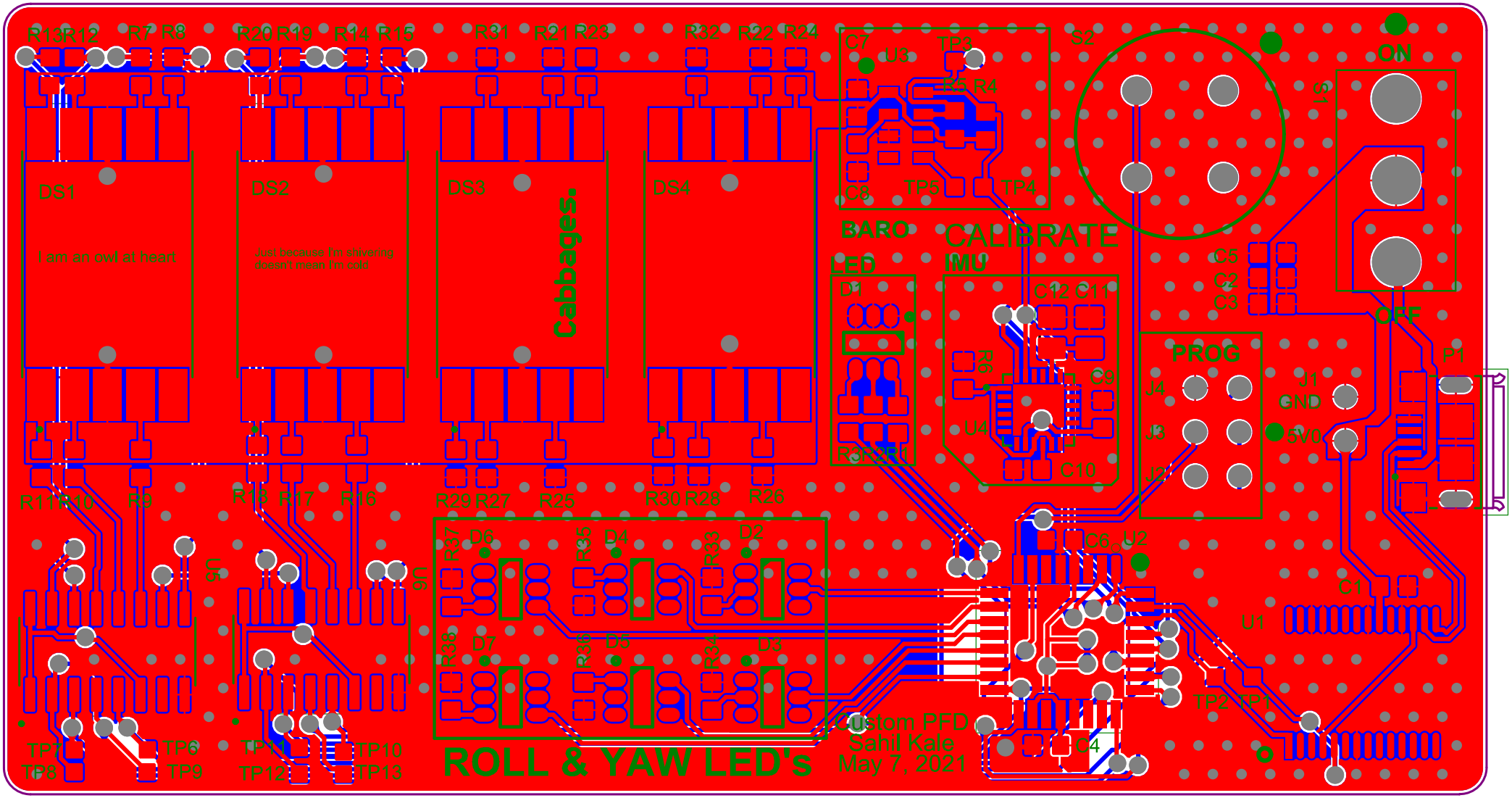
DS1
I am an owl at heart
DS2
Just because I'm shivering doesn't mean I'm cold
DS3
Cabbages
DS4
BARO
LED
CALIBRATE
IMU
PROG
ON
OFF
GND
5V0
ROLL & YAW LED's
Custom PFD
Sahil Kale
May 7, 2021

Board Stack Report