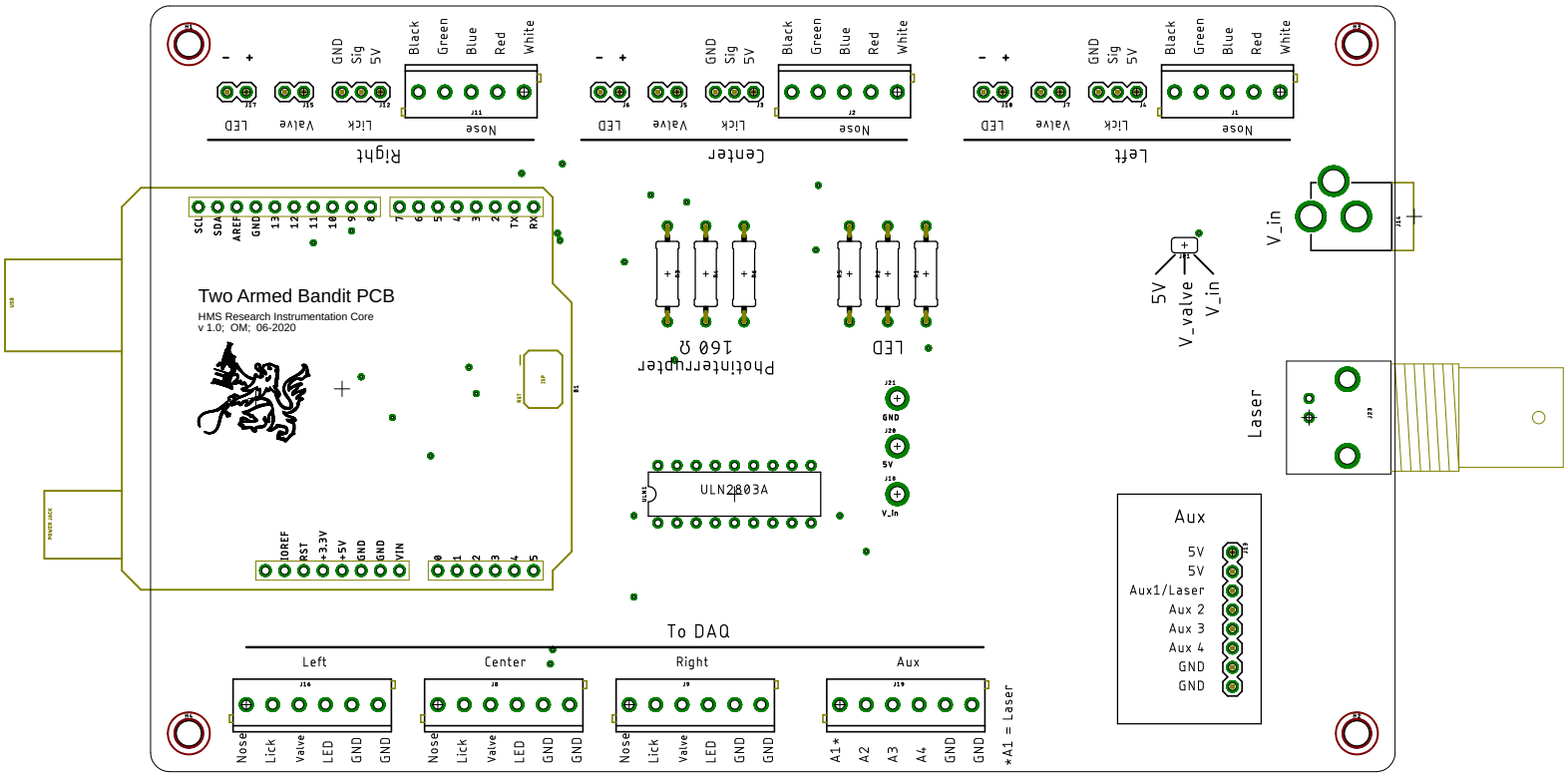
Left
Center
Right
Nose
Lick
Valve
LED
GND
Sig
5V
Black
Green
Blue
Red
White
Two Armed Bandit PCB
HMS Research Instrumentation Core
v 1.0; OM; 06-2020
SCL
SDA
AREF
GND
13
12
11
10
9
8
7
6
5
4
3
2
TX
RX
IOREF
RST
+3.3V
+5V
GND
GND
VIN
0
1
2
3
4
5
Photointerrupter
160 Ω
LED
ULN2803A
GND
5V
V_in
5V
V_valve
V_in
V_in
Laser
Aux
5V
5V
Aux1/Laser
Aux 2
Aux 3
Aux 4
GND
GND
To DAQ
Left
Center
Right
Aux
Nose
Lick
Valve
LED
GND
GND
A1*
A2
A3
A4
*A1 = Laser