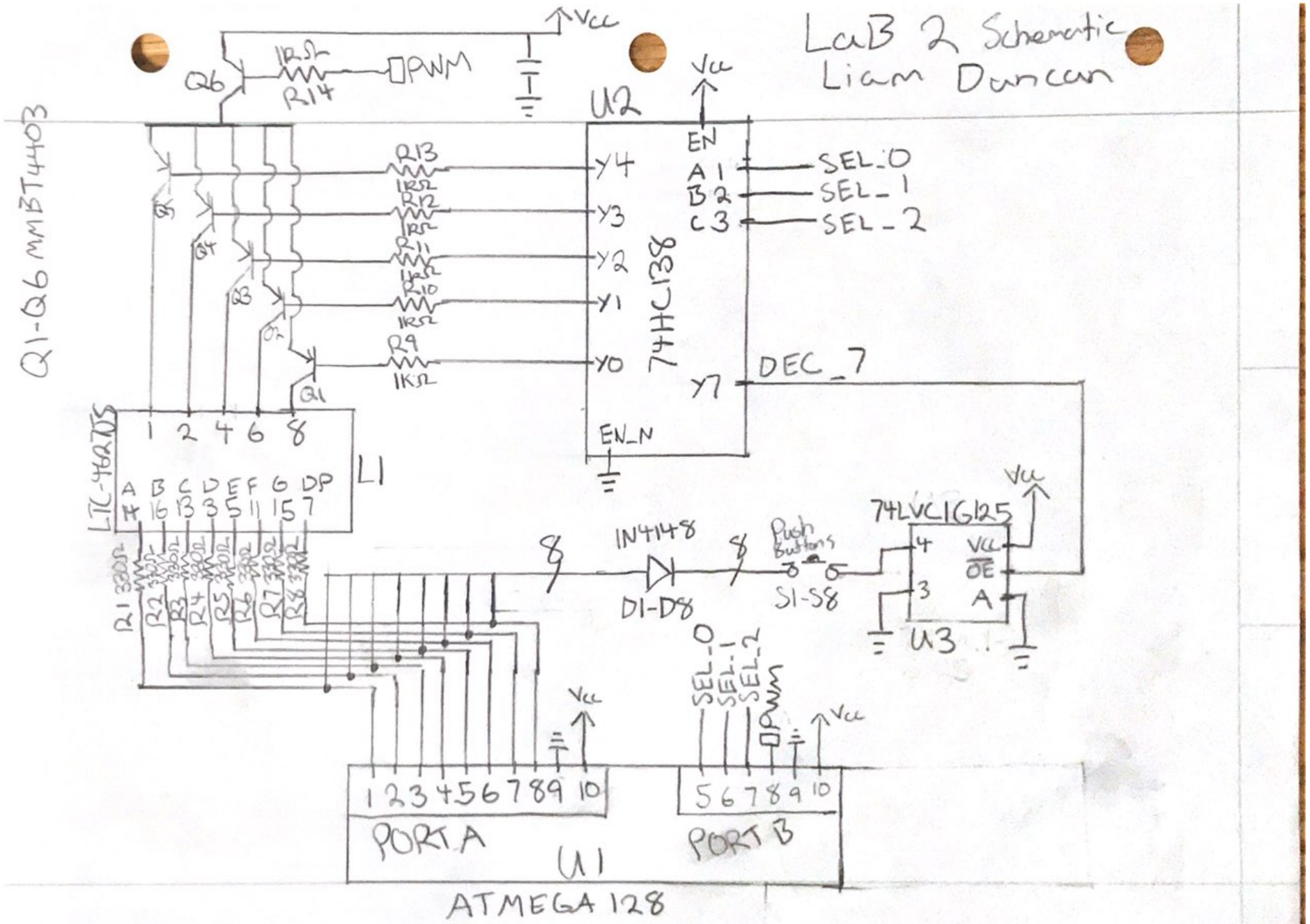
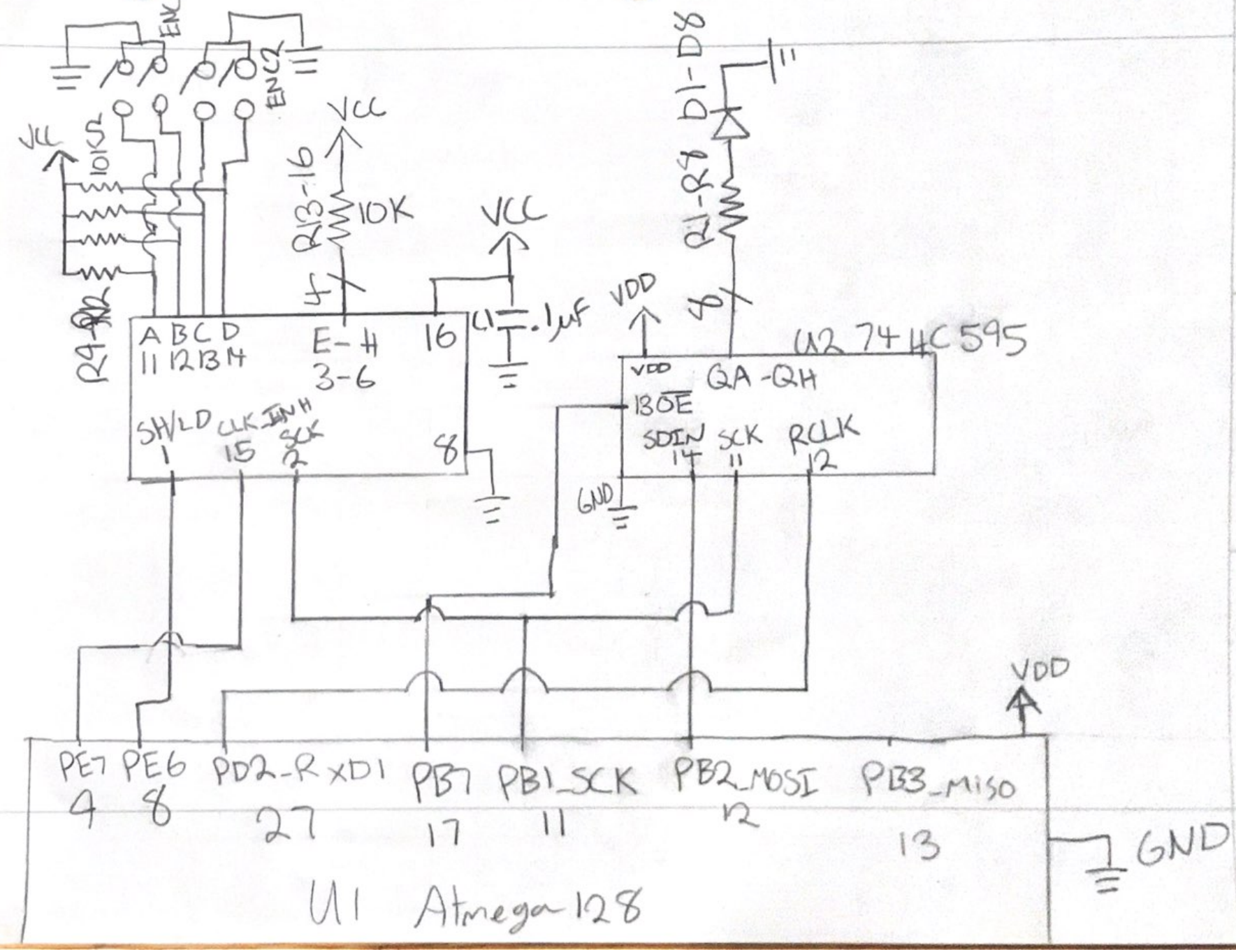

LaB 2 Schematic
Liam Duncan
Q1-Q6 MMBT4403
Vcc
Q6
1KΩ
R14
PWM
U2
EN
A 1
B 2
C 3
SEL_0
SEL_1
SEL_2
Y4
Y3
Y2
Y1
Y0
Y7
EN_N
74HC138
DEC_7
R13
R12
R11
R10
R9
1KΩ
Q5
Q4
Q3
Q2
Q1
L1
LTC-4627JS
1 2 4 6 8
A B C D E F G DP
14 16 13 3 5 11 15 7
R1 330Ω
R2
R3
R4
R5
R6
R7
R8
IN4148
D1-D8
Push Buttons
S1-S8
74LVC1G125
VCC
OE
A
U3
SEL_0
SEL_1
SEL_2
PWM
1 2 3 4 5 6 7 8 9 10
PORT A
5 6 7 8 9 10
PORT B
U1
ATMEGA 128


ENC_1
ENC_2
VCC
10K
R13-16
R1-R4
D1-D8
R5-R12
C1 .1uf
VDD
U2 74HC595
A B C D
11 12 13 14
E-H
3-6
16
SH/LD
1
CLK INH
15
SCK
2
8
VDD
QA-QH
13 OE
SDIN
14
SCK
11
RCLK
12
GND
PE7 PE6 PD2-RxD1 PB7 PB1_SCK PB2_MOSI PB3_MISO
4 8 27 17 11 12 13
U1 Atmega 128
GND