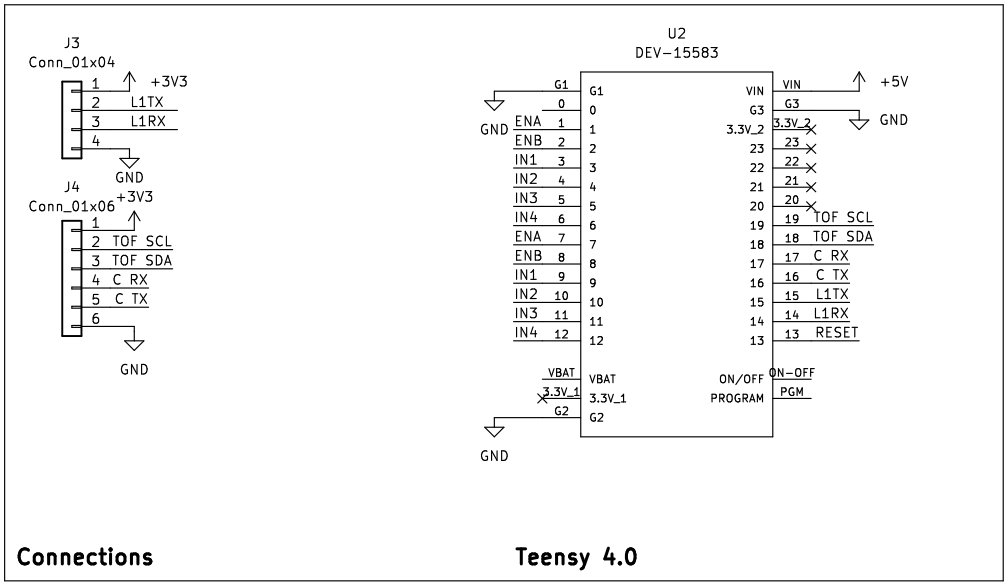
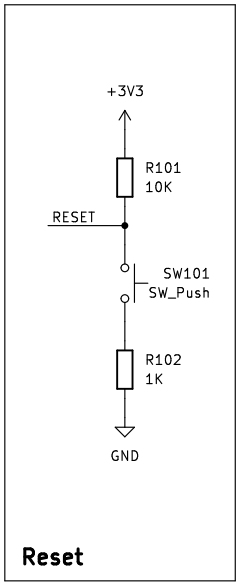
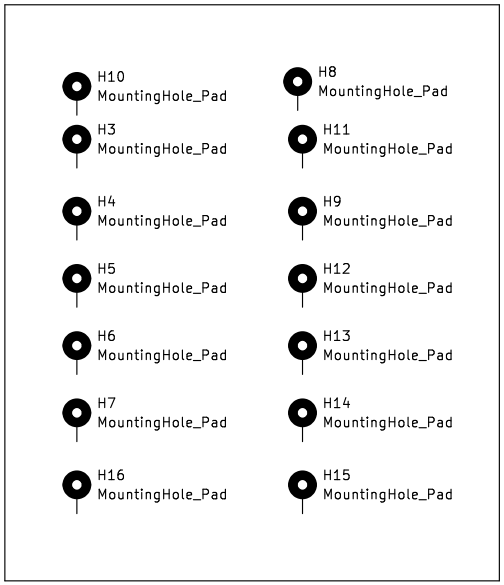
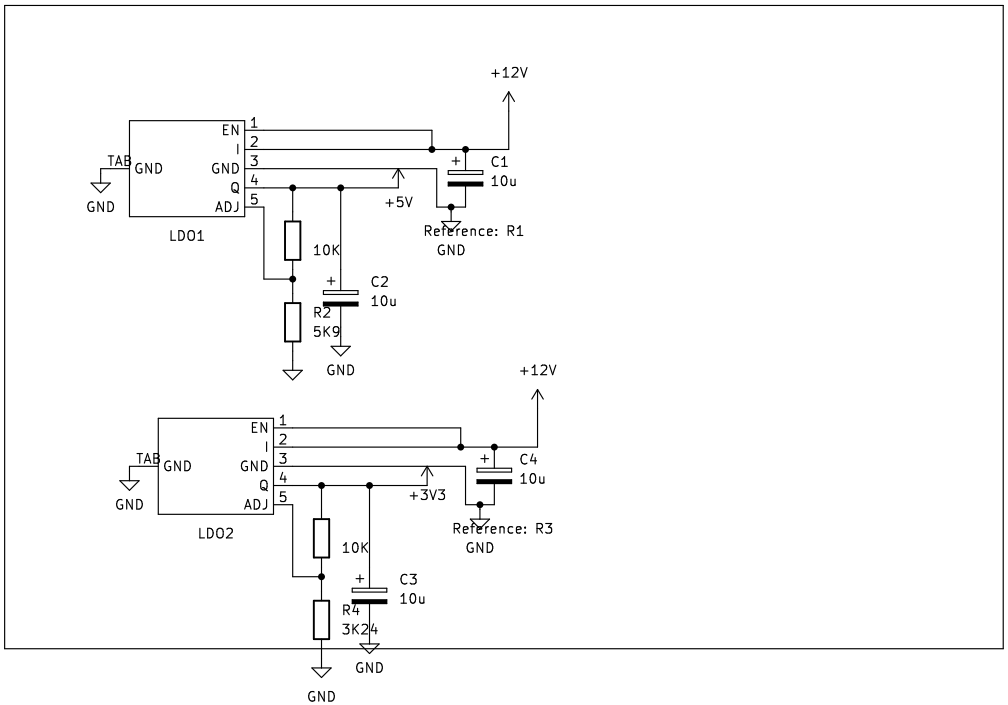
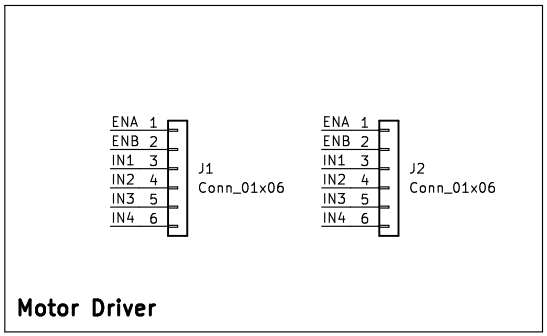

J3
Conn_01x04
1 +3V3
2 L1TX
3 L1RX
4
GND
J4
Conn_01x06
+3V3
1
2 TOF SCL
3 TOF SDA
4 C RX
5 C TX
6
GND
U2
DEV-15583
G1
0
ENA 1
ENB 2
IN1 3
IN2 4
IN3 5
IN4 6
ENA 7
ENB 8
IN1 9
IN2 10
IN3 11
IN4 12
VBAT
3.3V_1
G2
GND
VIN
G3
3.3V_2
23
22
21
20
19 TOF SCL
18 TOF SDA
17 C RX
16 C TX
15 L1TX
14 L1RX
13 RESET
ON/OFF
PROGRAM
+5V
GND
Connections
Teensy 4.0


+3V3
R101
10K
RESET
SW101
SW_Push
R102
1K
GND
Reset


H10
MountingHole_Pad
H8
MountingHole_Pad
H3
MountingHole_Pad
H11
MountingHole_Pad
H4
MountingHole_Pad
H9
MountingHole_Pad
H5
MountingHole_Pad
H12
MountingHole_Pad
H6
MountingHole_Pad
H13
MountingHole_Pad
H7
MountingHole_Pad
H14
MountingHole_Pad
H16
MountingHole_Pad
H15
MountingHole_Pad


+12V
EN
I
GND
Q
ADJ
TAB
GND
GND
LDO1
C1
10u
+5V
Reference: R1
GND
10K
C2
10u
R2
5K9
GND
+12V
EN
I
GND
Q
ADJ
TAB
GND
GND
LDO2
C4
10u
+3V3
Reference: R3
GND
10K
C3
10u
R4
3K24
GND
GND


ENA 1
ENB 2
IN1 3
IN2 4
IN3 5
IN4 6
J1
Conn_01x06
ENA 1
ENB 2
IN1 3
IN2 4
IN3 5
IN4 6
J2
Conn_01x06
Motor Driver

AWG1
MountingHole
AWG2
MountingHole