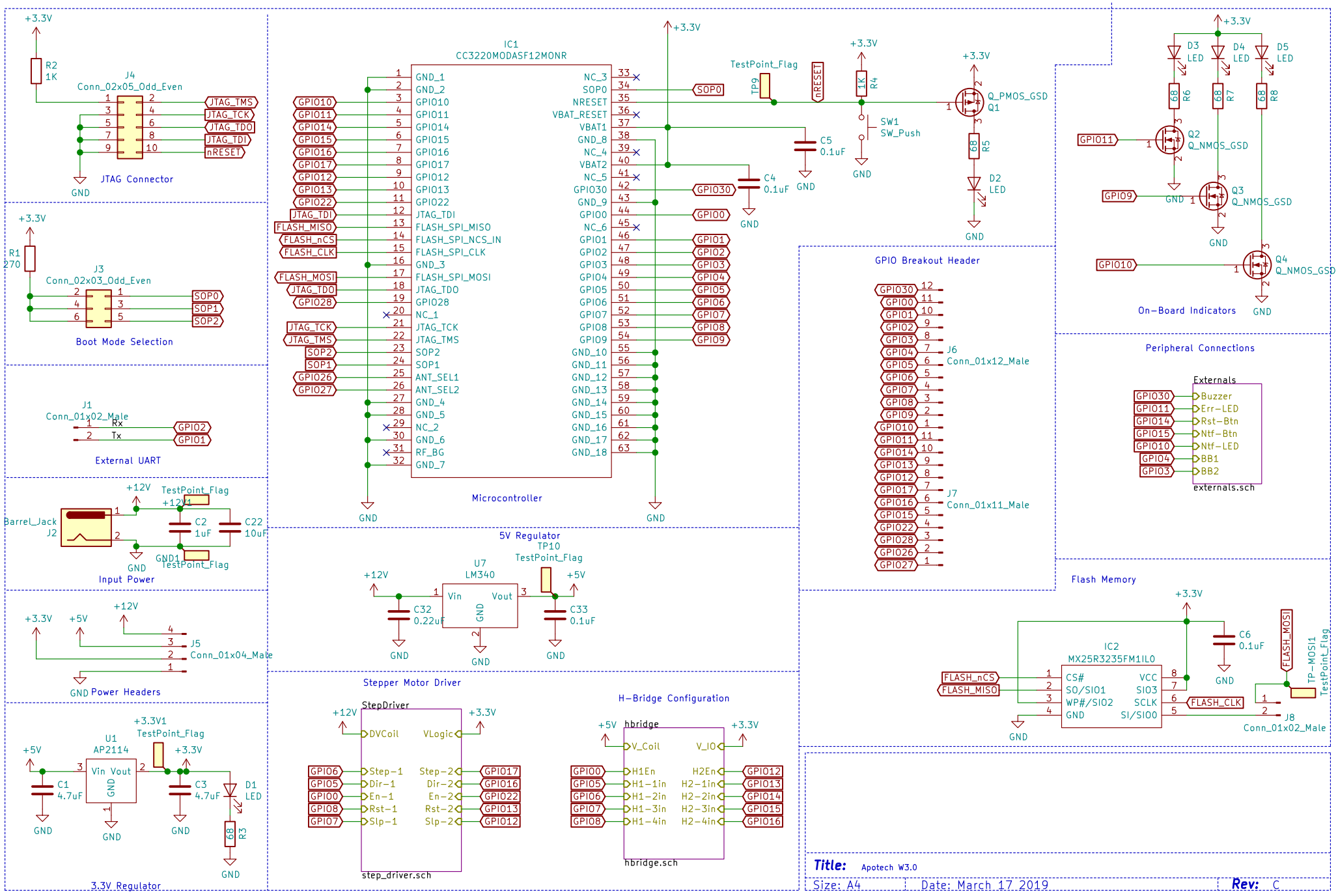
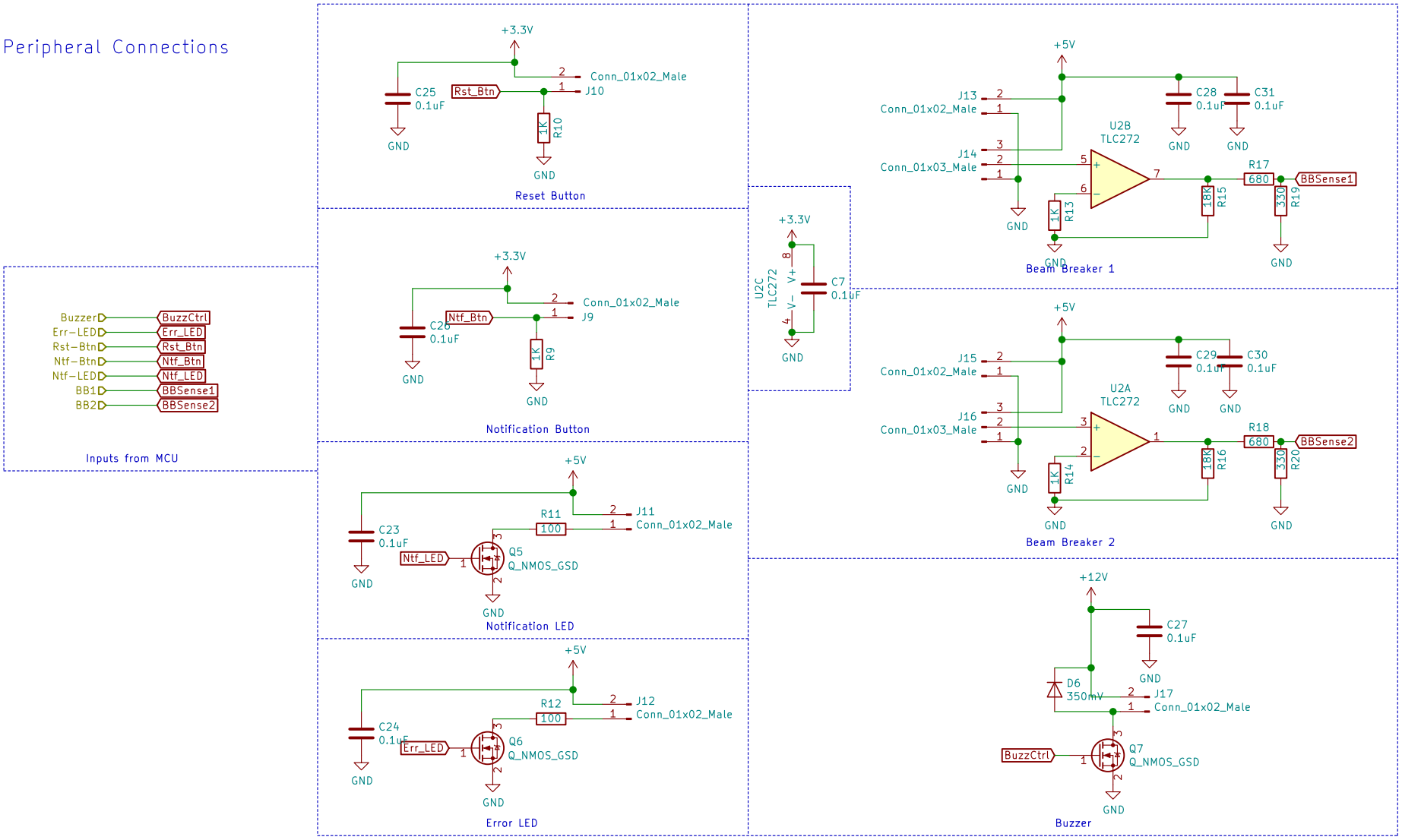
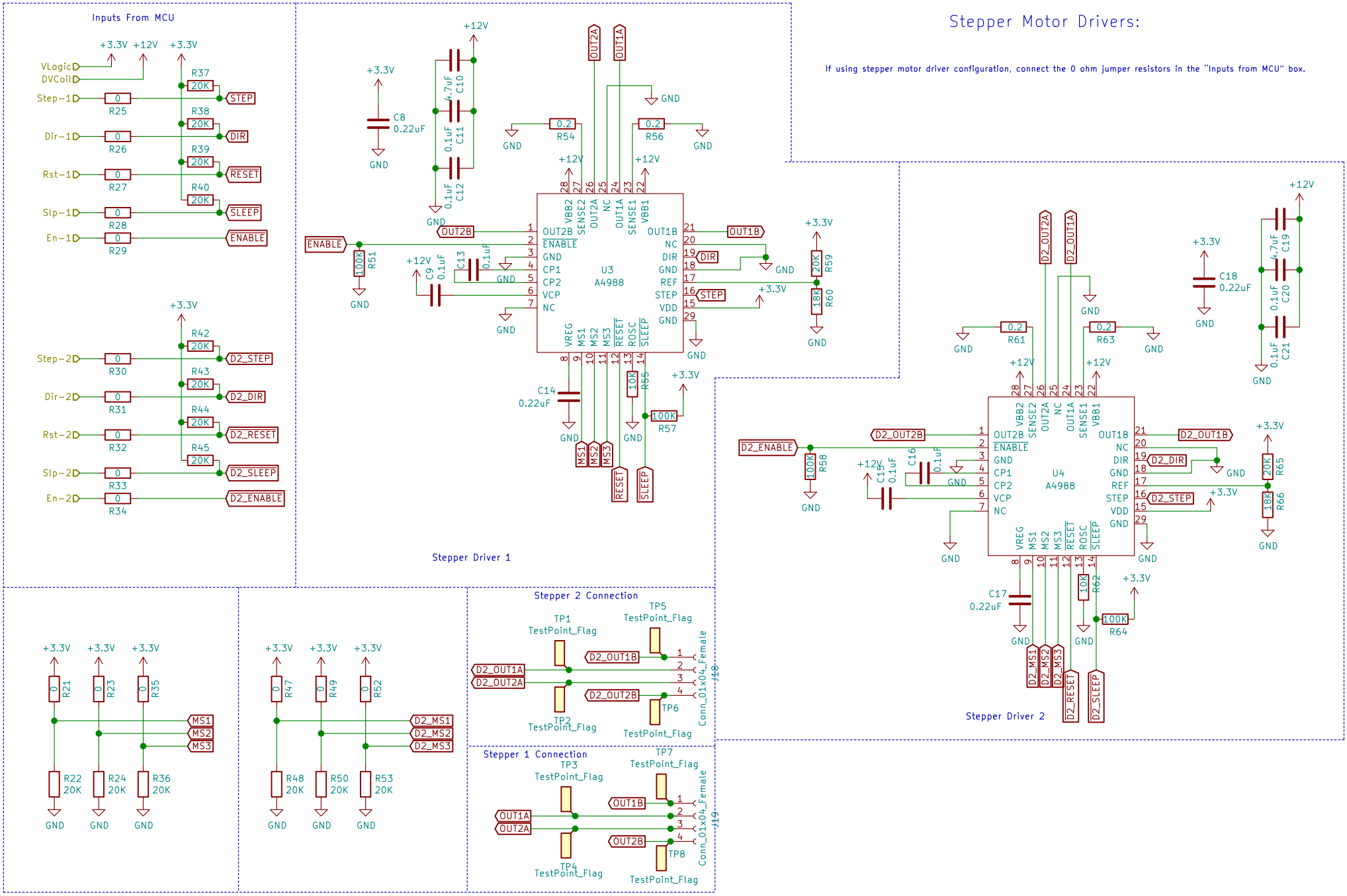
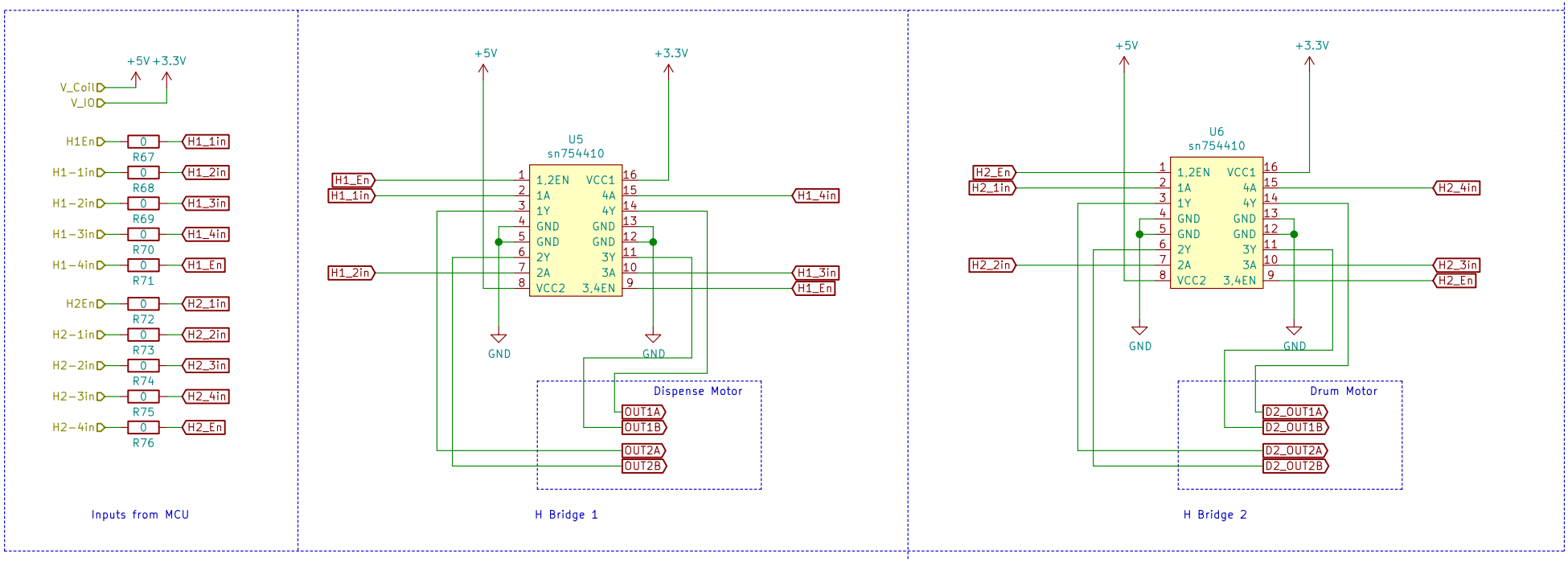

JTAG Connector
Boot Mode Selection
External UART
Input Power
Power Headers
3.3V Regulator
Microcontroller
5V Regulator
Stepper Motor Driver
step_driver.sch
H-Bridge Configuration
hbridge.sch
GPIO Breakout Header
On-Board Indicators
Peripheral Connections
externals.sch
Flash Memory
Title: Apotech W3.0
Size: A4
Date: March 17 2019
Rev: C

Peripheral Connections




Inputs From MCU
VLogic
DVCoil
Step-1
Dir-1
Rst-1
Slp-1
En-1
Step-2
Dir-2
Rst-2
Slp-2
En-2
STEP
DIR
RESET
SLEEP
ENABLE
D2_STEP
D2_DIR
D2_RESET
D2_SLEEP
D2_ENABLE
Stepper Motor Drivers:
If using stepper motor driver configuration, connect the 0 ohm jumper resistors in the "Inputs from MCU" box.
U3
A4988
Stepper Driver 1
U4
A4988
Stepper Driver 2
Stepper 2 Connection
Stepper 1 Connection
Conn_01x04_Female
MS1
MS2
MS3
D2_MS1
D2_MS2
D2_MS3
D2_OUT1A
D2_OUT2A
D2_OUT1B
D2_OUT2B
OUT1A
OUT2A
OUT1B
OUT2B

H Bridge as Motor Drivers:

If using H Bridge motor configuration, connect the 0 ohm jumper resistors in the "Inputs from MCU" box.