



#v0.2.0->v0.2.1
 Changed Q3 input from D2 to D17
 I2C SDA:D2 SCK:D3
 DAC INb from D10 (pin at 15); INc from D13 (pin at 18); INd from D11 (pin at 16)
 Add Analogue read at A7 (pin at 11) for regulator#2 output
 Add Analogue read at A8 (pin at 13) for regulator#3 output
 Add Analogue read at A11 (pin at 17) for regulator#4 output
 Add valve vcc terminals
 Add Digital input D23 (pin at 26) and Vsupply* and Vgnd terminals for diaphragm valve
 Add GND terminal
 *-this terminal may be able to use for general 5V supply

#v0.2.1->v0.2.2
 Add TTL switching
 Separate the TTL and 5V switching for latching solenoid valve
 Add the ports to the Arduino pins where I did not use. (D0, reset, D11, 3V)

#v0.2.2->v1.0.0(release version)
 Add GND terminal at 5V_SW_output
 Add GND connection to the toggle switch
 Modify silk screen

unofficial

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Sheet: /

File: switching_circ.kicad_sch

Title: valve regulator

Size: A3

Date: 2024-12-26

Rev: 0.2.2

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