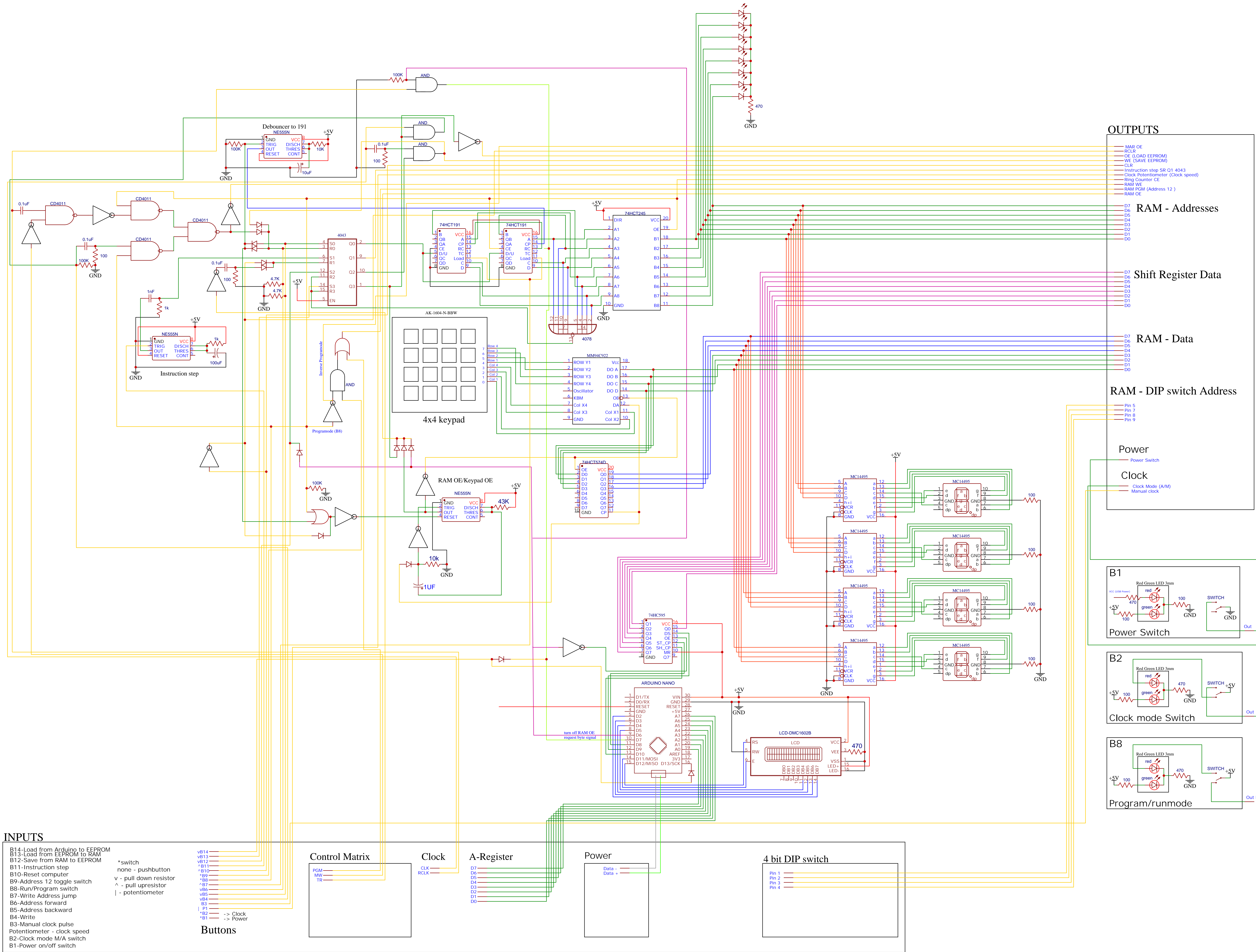


Input Module



INPUTS

B14-Load from Arduino to EEPROM
B13-Load from RAM to EEPROM
B12-Save from RAM to EEPROM
B11-Instruction step
B10-Reset computer
B9-Address 12 toggle switch
B8-Run/Program switch
B7-Write Address jump
B6-Address forward
B5-Address backward
B4-Write
B3-Manual clock pulse
Potentiometer - clock speed
B2-Clock mode M/A switch
B1-Power on/off switch

*switch
none - pushbutton
v - pull down resistor
^ - pull upresistor
| - potentiometer

Buttons

VB14
VB13
VB12
*B11
*B10
*B9
*B8
*B7
*B6
*B5
*B4
*B3
*B2
*B1

--> Clock
--> Power

Control Matrix

PGM
MW
TR

Clock

CLK
RCLK

A-Register

D7
D6
D5
D4
D3
D2
D1
D0

Power

Data -
Data +

4 bit DIP switch

Pin 1
Pin 2
Pin 3
Pin 4

OUTPUTS

MAR OE
RCLR
OE (LOAD EEPROM)
WE (SAVE EEPROM)
CLR
Instruction step SR Q1 4043
Clock Potentiometer (Clock speed)
Ring Counter CE
RAM WE
RAM PGM (Address 12)
RAM OE

RAM - Addresses

D7
D6
D5
D4
D3
D2
D1
D0

Shift Register Data

D7
D6
D5
D4
D3
D2
D1
D0

RAM - Data

D7
D6
D5
D4
D3
D2
D1
D0

RAM - DIP switch Address

Pin 5
Pin 7
Pin 8
Pin 9

Power

Power Switch

Clock

Clock Mode (A/M)
Manual clock

B1

Red Green LED 3mm
VCC (5V Power)
+5V
100
470
SWITCH
Out

Power Switch

B2

Red Green LED 3mm
+5V
100
470
SWITCH
Out

Clock mode Switch

B8

Red Green LED 3mm
+5V
100
470
SWITCH
Out B8

Program/runmode