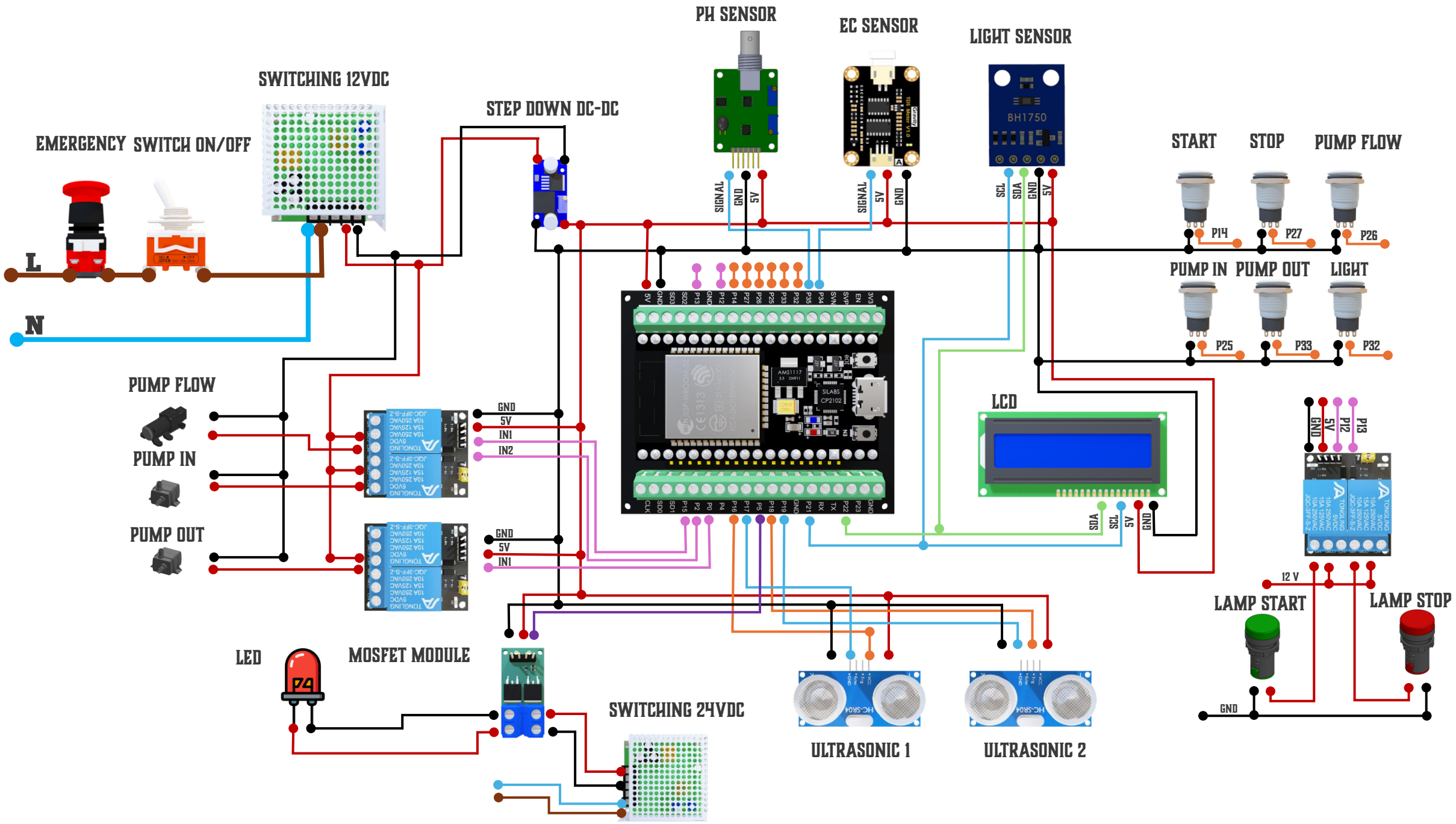
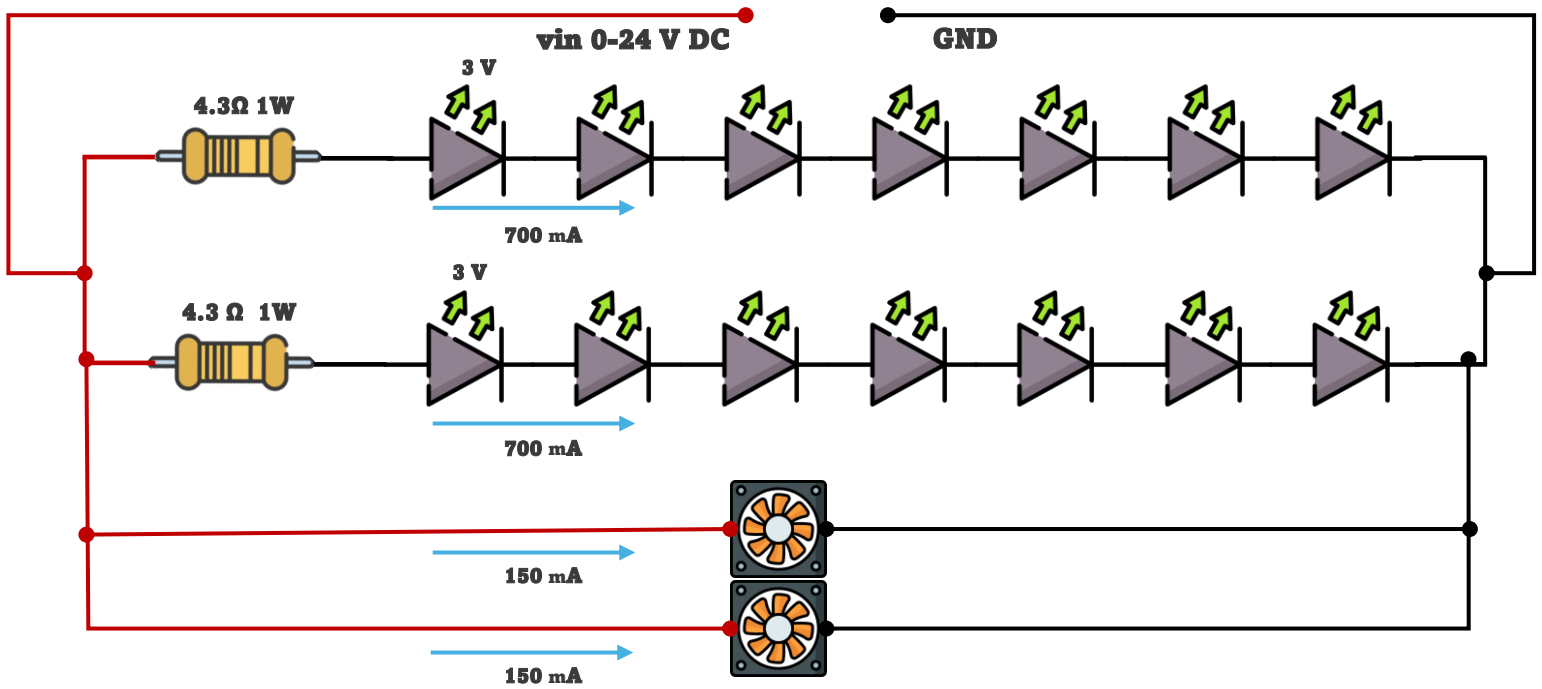

PH SENSOR
EC SENSOR
LIGHT SENSOR
SWITCHING 12VDC
STEP DOWN DC-DC
EMERGENCY SWITCH ON/OFF
L
N
SIGNAL
GND
5V
SCL
SDA
BH1750
START
STOP
PUMP FLOW
P14
P27
P26
PUMP IN
PUMP OUT
LIGHT
P25
P33
P32
PUMP FLOW
PUMP IN
PUMP OUT
GND
5V
IN1
IN2
LCD
P13
P12
12 V
LAMP START
LAMP STOP
LED
MOSFET MODULE
SWITCHING 24VDC
ULTRASONIC 1
ULTRASONIC 2

Grow light



Current Total

It=I1+I2+I3+I4
It=700mA+700mA+150mA+150mA
It=1700mA

Power

P=IV
P=1700mA x 24V
P=40.8 W

Resistor

R=??
R=V / I
R=(24-21)V / 700mA
R=4.3

$P=I^2R$
$P=(700mA)^2 \times 4.3\ \Omega$
P=3W

LED high power

3 V
3W
700 milli
Amp
6000-6500 K

High-power MOSFET relay trigger switch driver module

Operating Voltage : 5V - 36V
The trigger source 3.3V - 20V
signal frequency : 0--20KHZ
Output capacity : DC 5V - 36V
continuous current : 15A
power : 400W!
maximum current : 30A
Operating temperature : -40-85 C