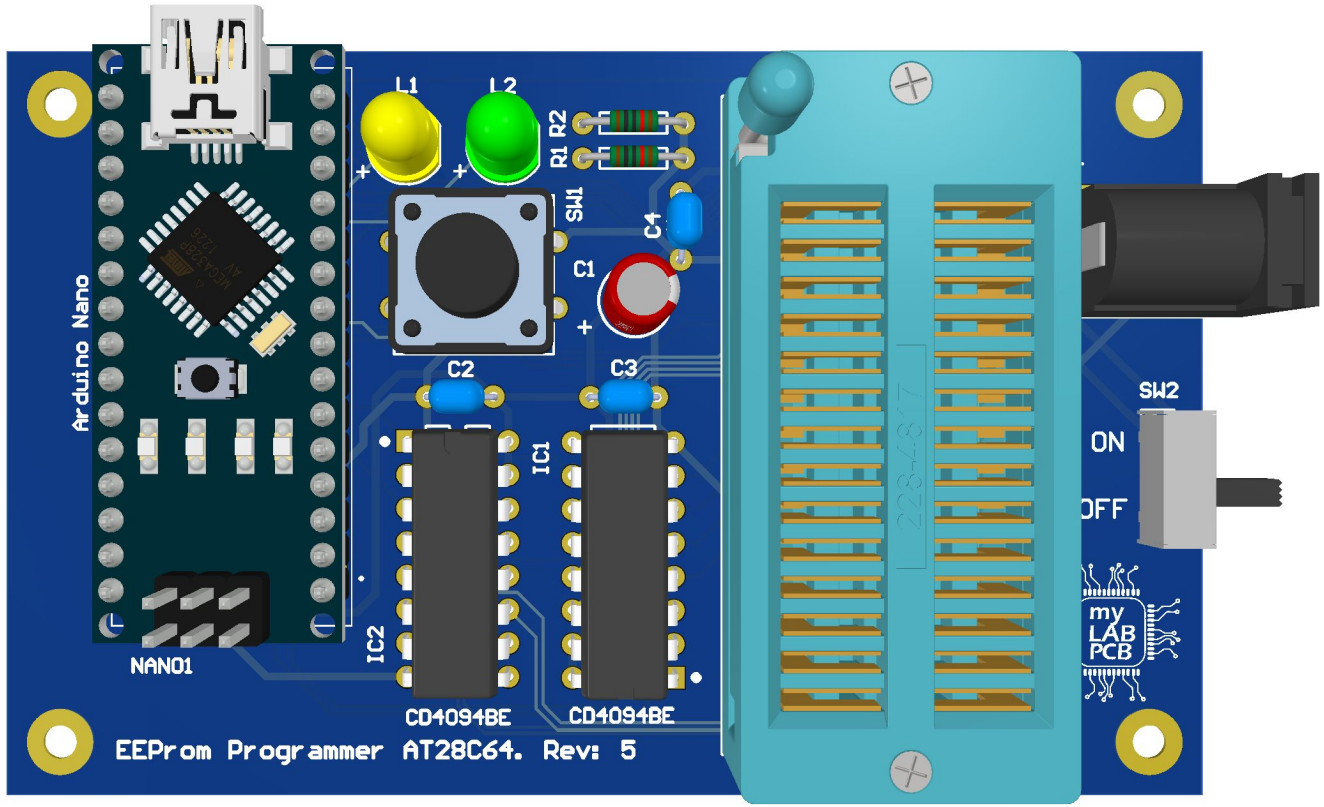
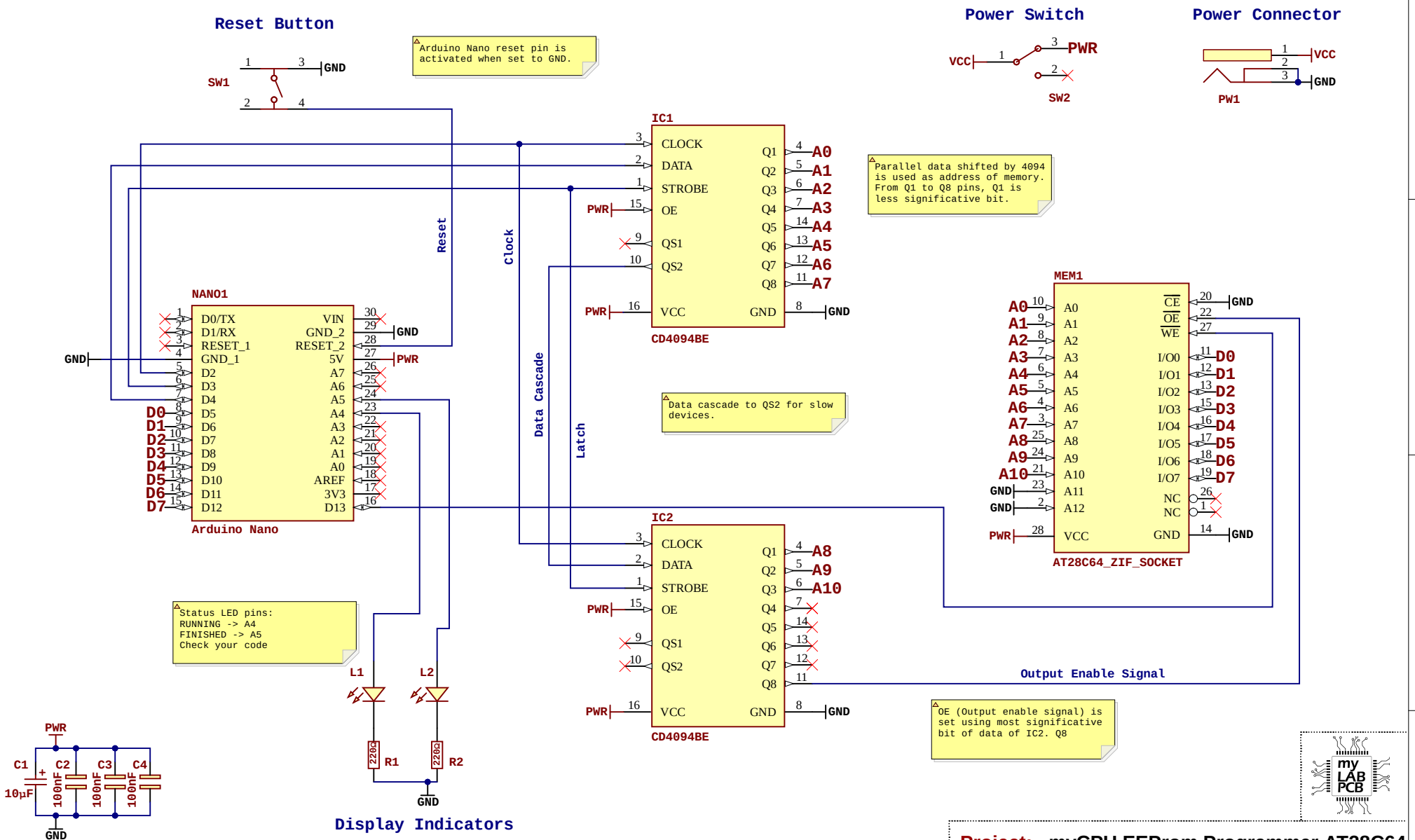
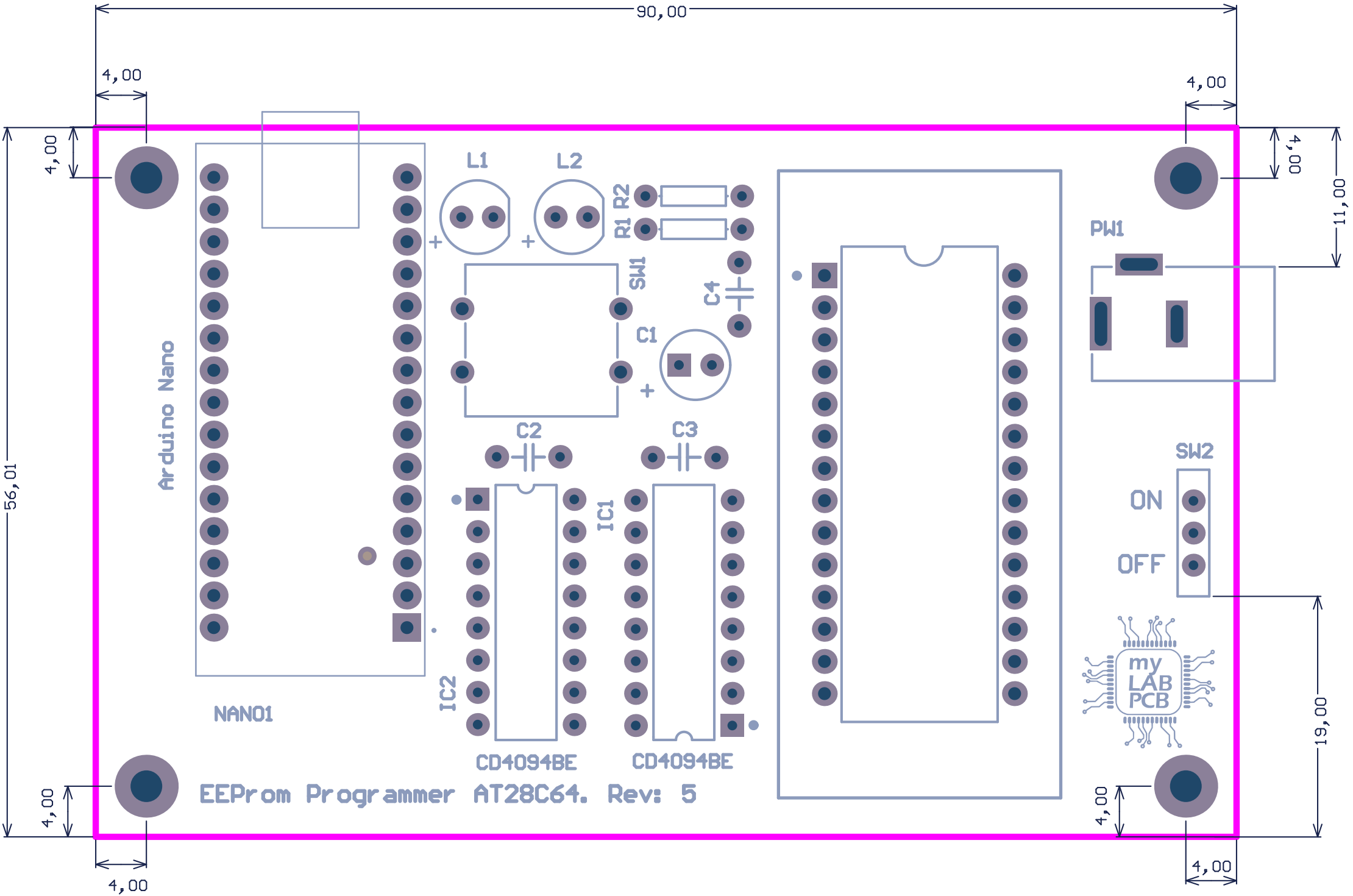
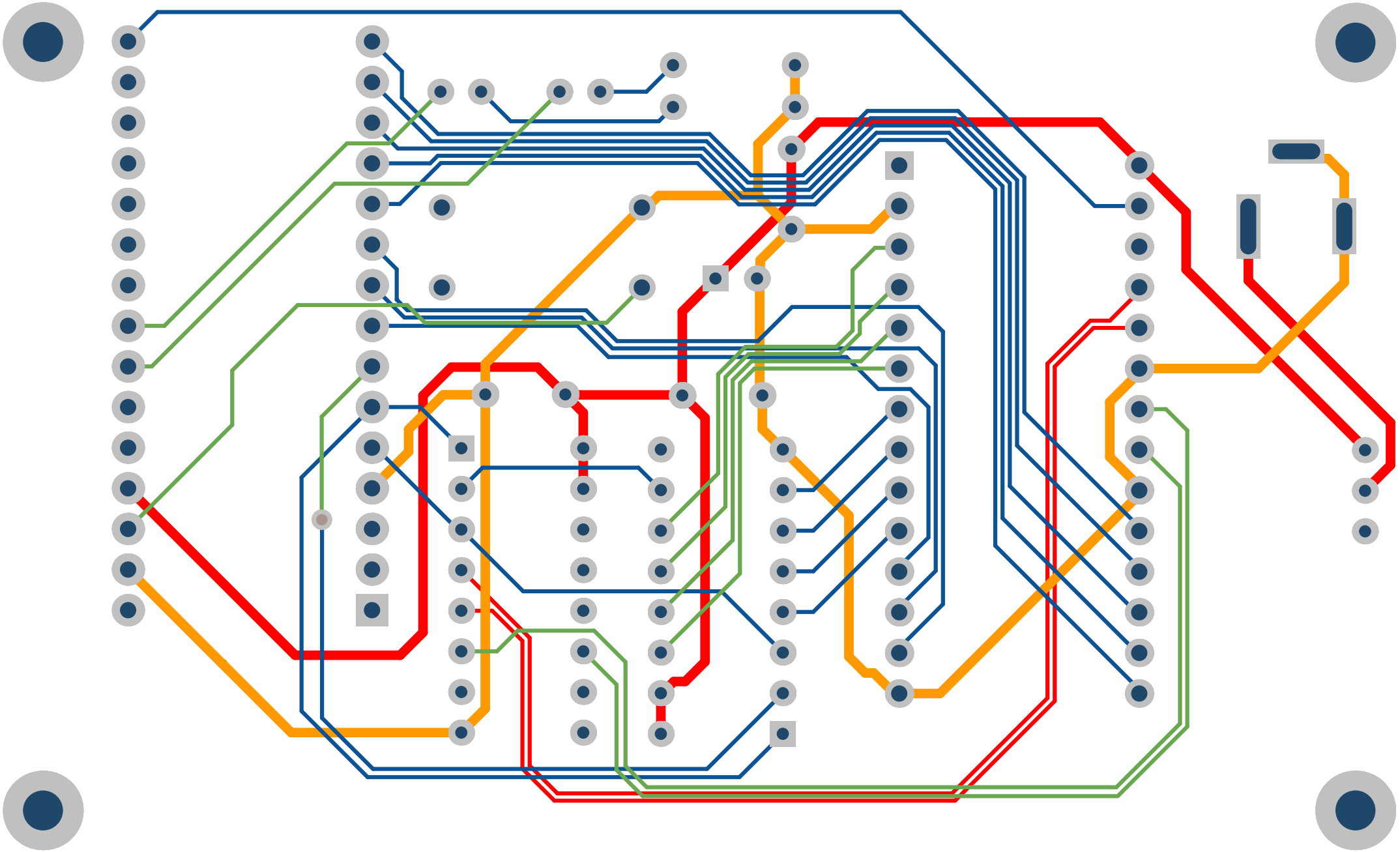

L1
L2
R1 R2
SW1
C4
C1
C2
C3
IC1
IC2
SW2
ON
OFF
Arduino Nano
NANO1
CD4094BE
CD4094BE
my LAB PCB
EEProm Programmer AT28C64. Rev: 5


Reset Button
SW1
GND
Arduino Nano reset pin is activated when set to GND.
Power Switch
VCC
PWR
SW2
Power Connector
PW1
VCC
GND
IC1
CLOCK
DATA
STROBE
OE
QS1
QS2
VCC
GND
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
A0
A1
A2
A3
A4
A5
A6
A7
CD4094BE
Parallel data shifted by 4094 is used as address of memory. From Q1 to Q8 pins, Q1 is less significative bit.
Reset
Clock
Data Cascade
Latch
Data cascade to QS2 for slow devices.
NANO1
D0/TX
D1/RX
RESET_1
GND_1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
VIN
GND_2
RESET_2
5V
A7
A6
A5
A4
A3
A2
A1
A0
AREF
3V3
D13
Arduino Nano
MEM1
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
VCC
GND
CE
OE
WE
I/O0
I/O1
I/O2
I/O3
I/O4
I/O5
I/O6
I/O7
NC
NC
AT28C64_ZIF_SOCKET
IC2
CD4094BE
Output Enable Signal
OE (Output enable signal) is set using most significative bit of data of IC2. Q8
Status LED pins:
RUNNING -> A4
FINISHED -> A5
Check your code
L1
L2
R1
R2
220Ω
Display Indicators
PWR
C1
C2
C3
C4
10µF
100nF
Decoupling Capacitors
Project: myCPU EEProm Programmer AT28C64
Revision: 5
Date: 24/10/2021
Author: Rafa Hernández


90,00
4,00
4,00
4,00
4,00
11,00
56,01
4,00
4,00
4,00
4,00
19,00
L1
L2
R1
R2
SW1
C4
C1
C2
C3
IC1
IC2
PW1
SW2
ON
OFF
Arduino Nano
NANO1
CD4094BE
CD4094BE
my LAB PCB
EEProm Programmer AT28C64. Rev: 5



Bill of Materials

Designator	Description	Value	Q
C1	Electrolytic capacitor 16v/50v	10µF	1
C2, C3, C4	Ceramic or tantalum capacitor	100nF	3
IC1, IC2	CMOS 8 bits shift register,3 state	CD4094	2
L1	Led 5mm Round	Yellow	1
L2	Led 5mm Round	Green	1
MEM1	ZIF Socket 28 Wide	28W	1
NANO1	Arduino NANO v3	v3	1
PW1	DC Power Jack, 2.5 A, 2 mm Center Pin, 3 Position, THT Right Angle		1
R1, R2	Resistor axial	220Ω	2
SW1	Tactile button 12 mm	12 mm	1
SW2	Mini slide switch 2 pos, 3 pins	3 pos	1

Assembly List

Desig.	Description	Value
C1	Electrolytic capacitor 16v/50v	10µF
C2	Ceramic or tantalum capacitor	100nF
C3	Ceramic or tantalum capacitor	100nF
C4	Ceramic or tantalum capacitor	100nF
IC1	CMOS 8 bits shift register,3 state	CD4094
IC2	CMOS 8 bits shift register,3 state	CD4094
L1	Led 5mm Round	Yellow
L2	Led 5mm Round	Green
MEM1	ZIF Socket 28 Wide	28W
NANO1	Arduino NANO v3	v3
PW1	DC Power Jack, 2.5 A, 2 mm Center Pin, 3 Position, THT Right Angle	
R1	Resistor axial	220Ω
R2	Resistor axial	220Ω
SW1	Tactile button 12 mm	12 mm
SW2	Mini slide switch 2 pos, 3 pins	3 pos