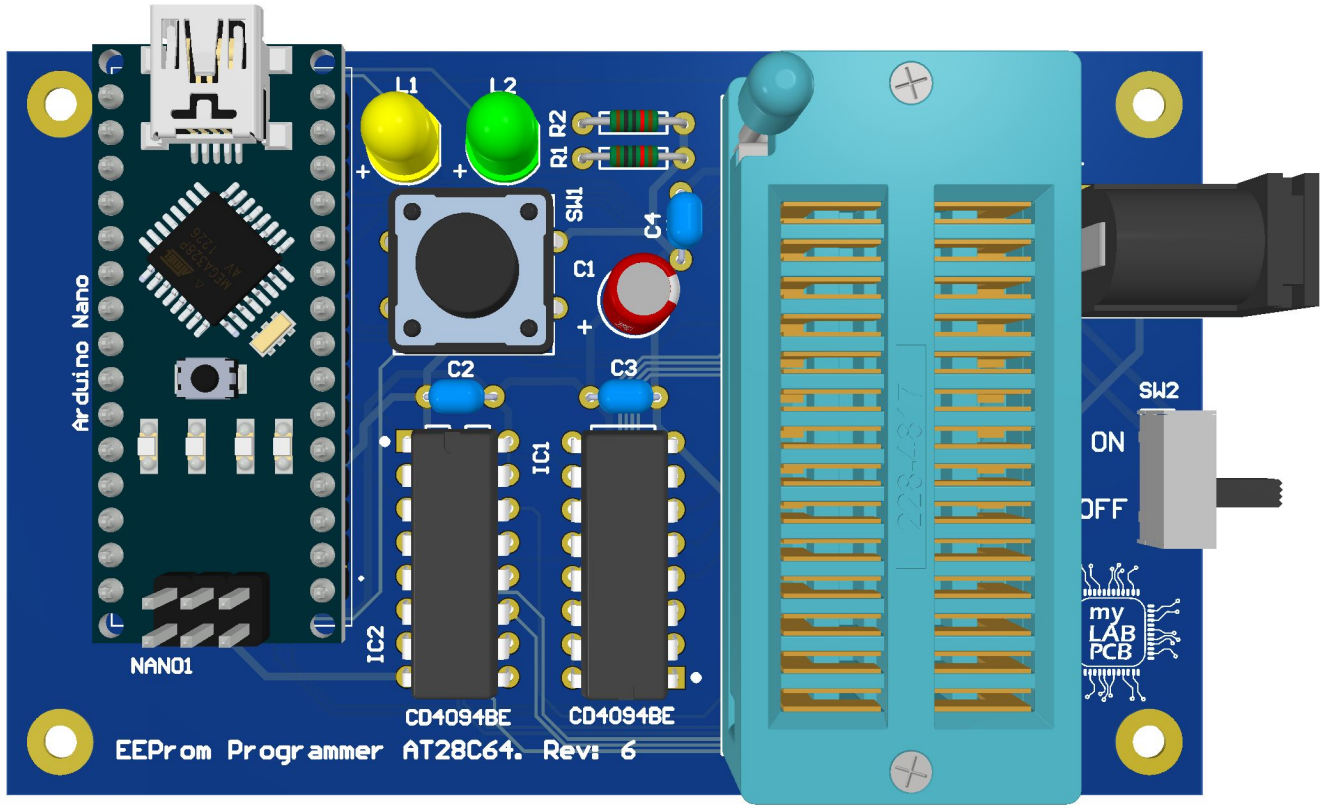
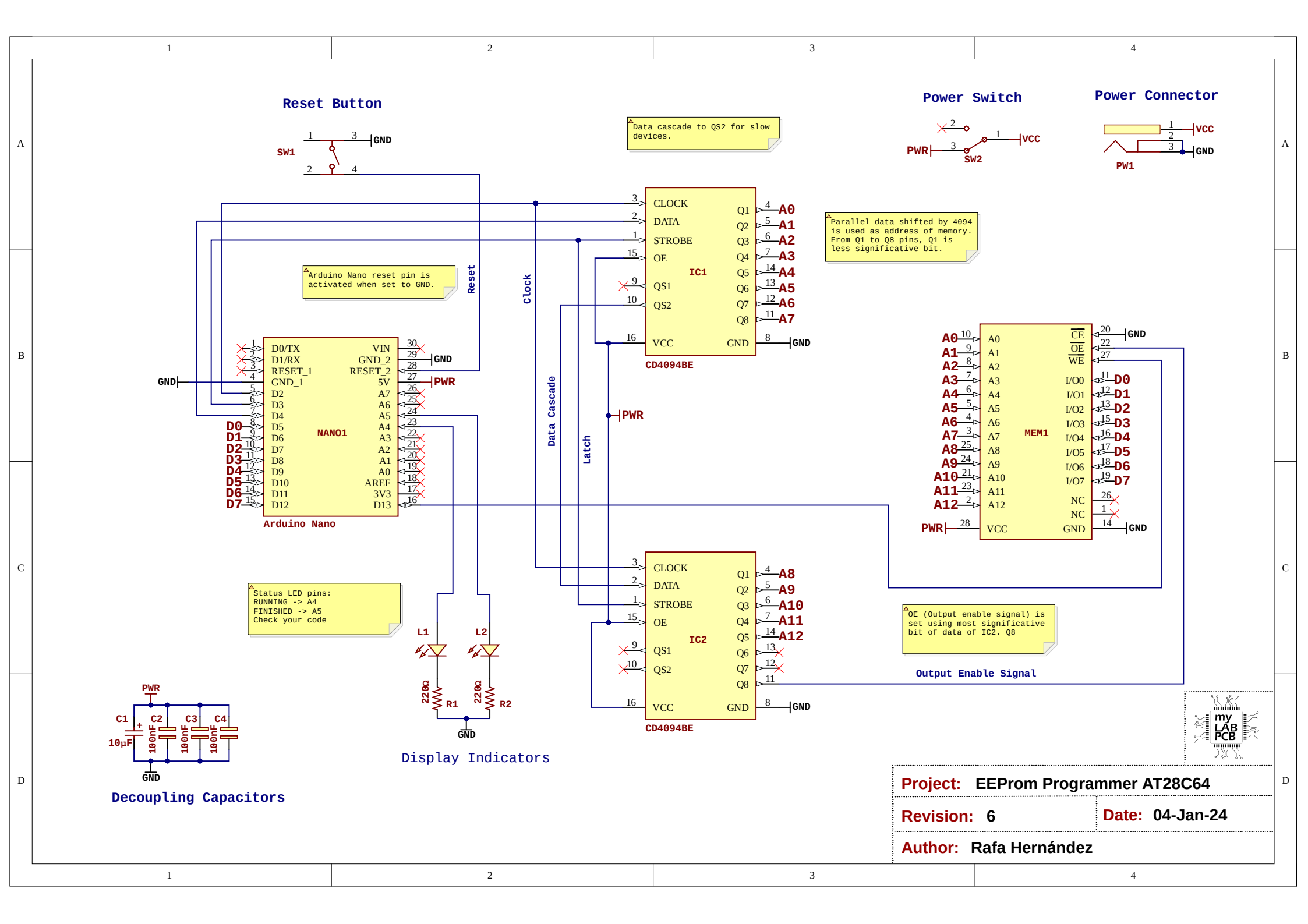
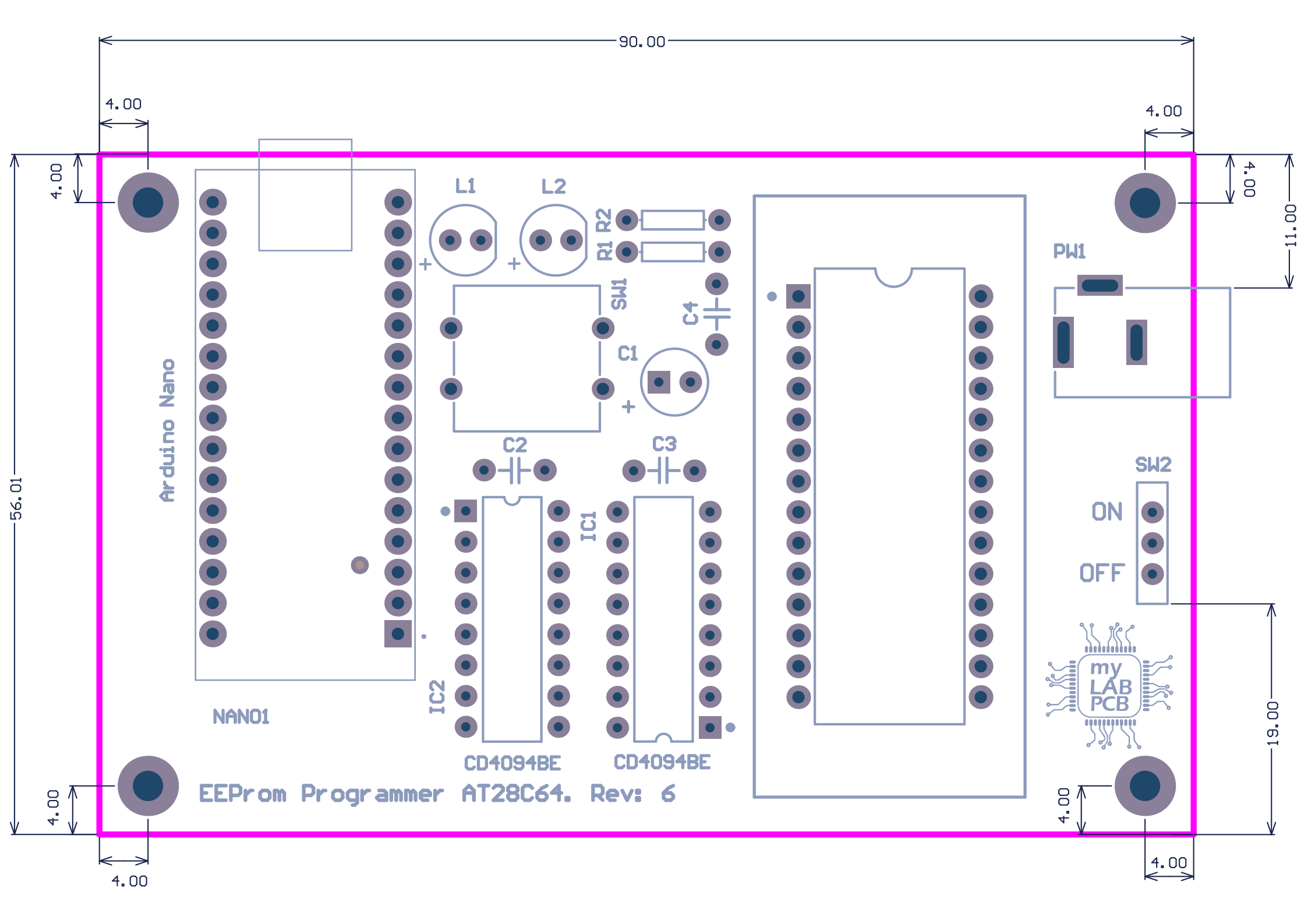
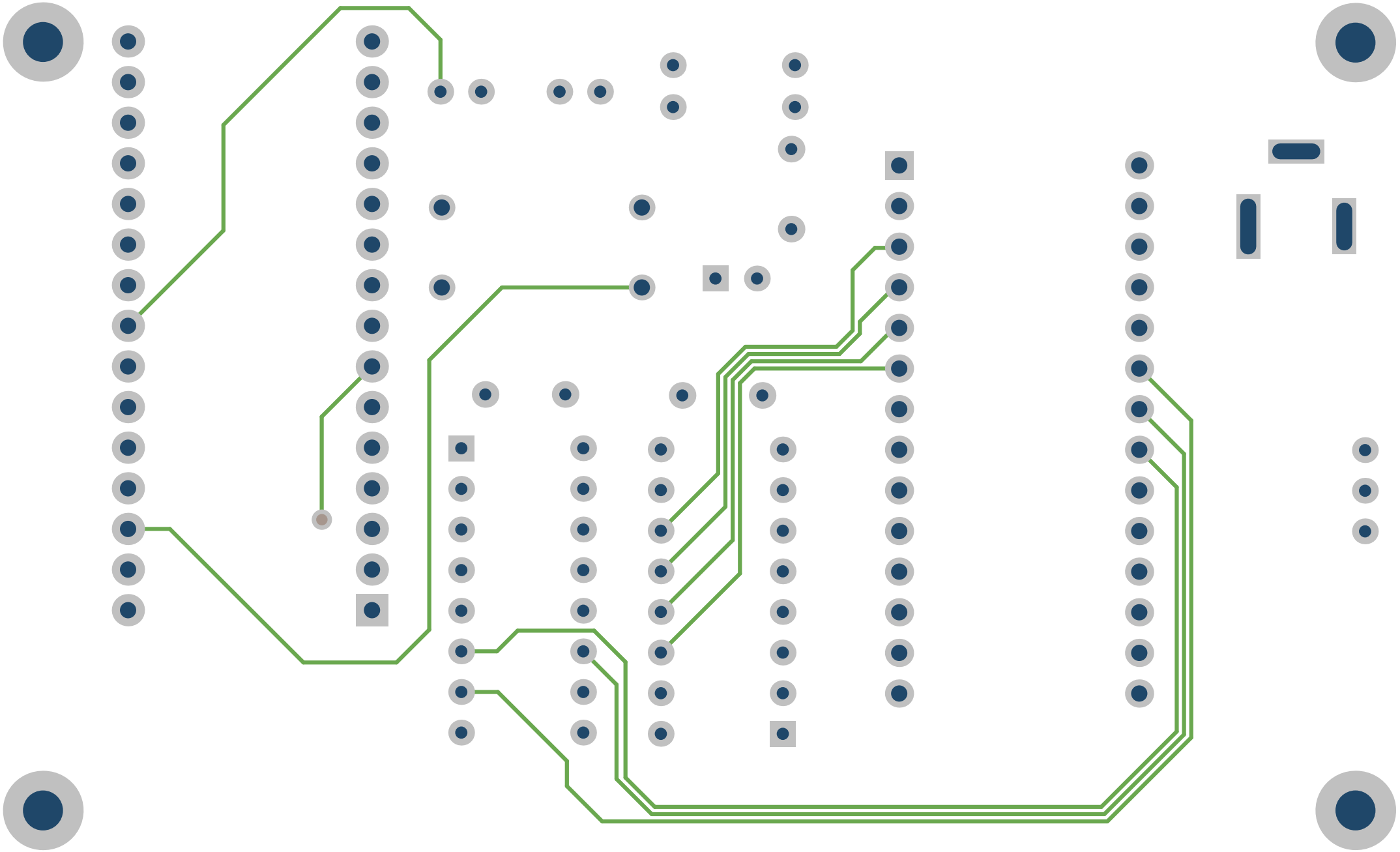
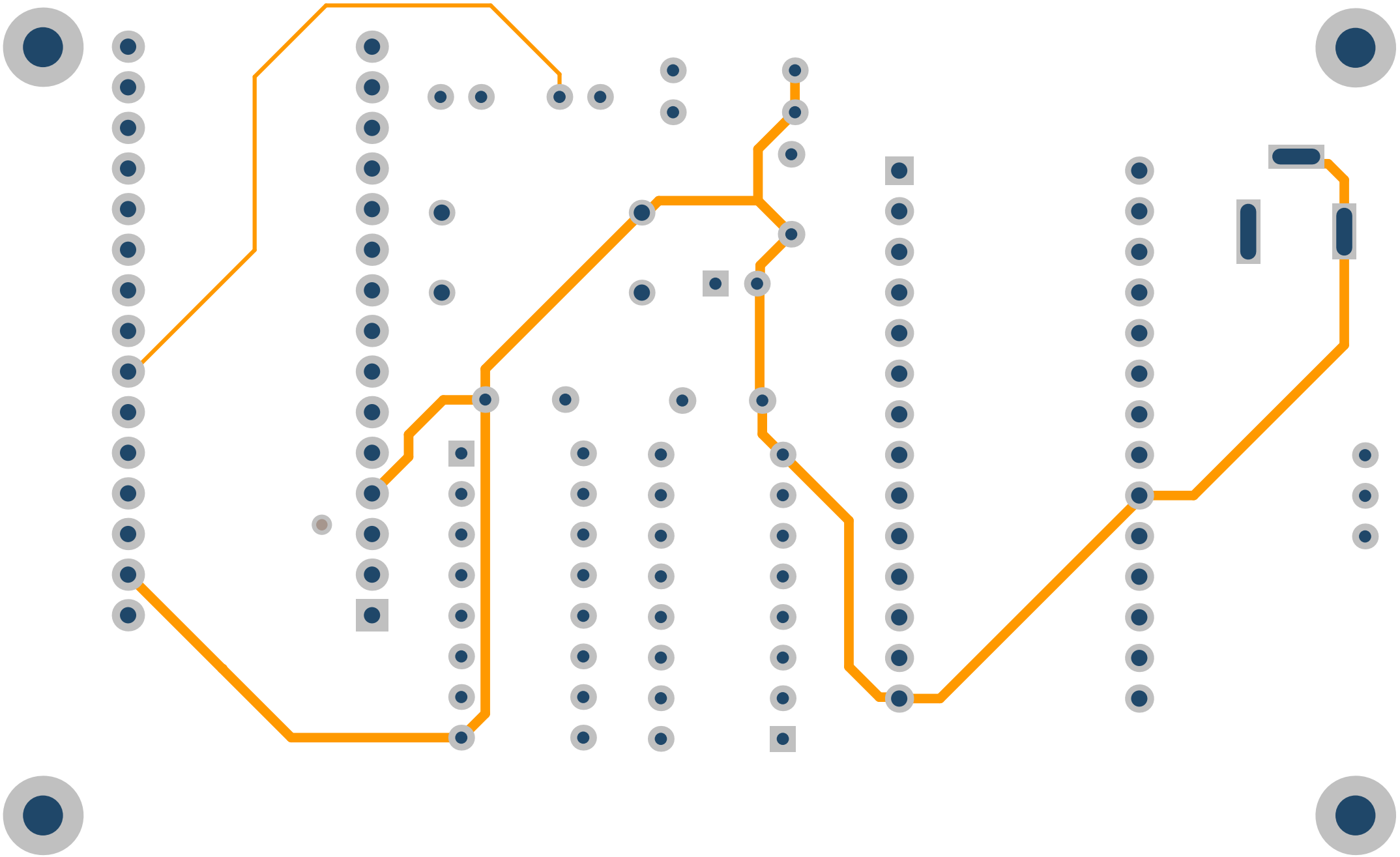
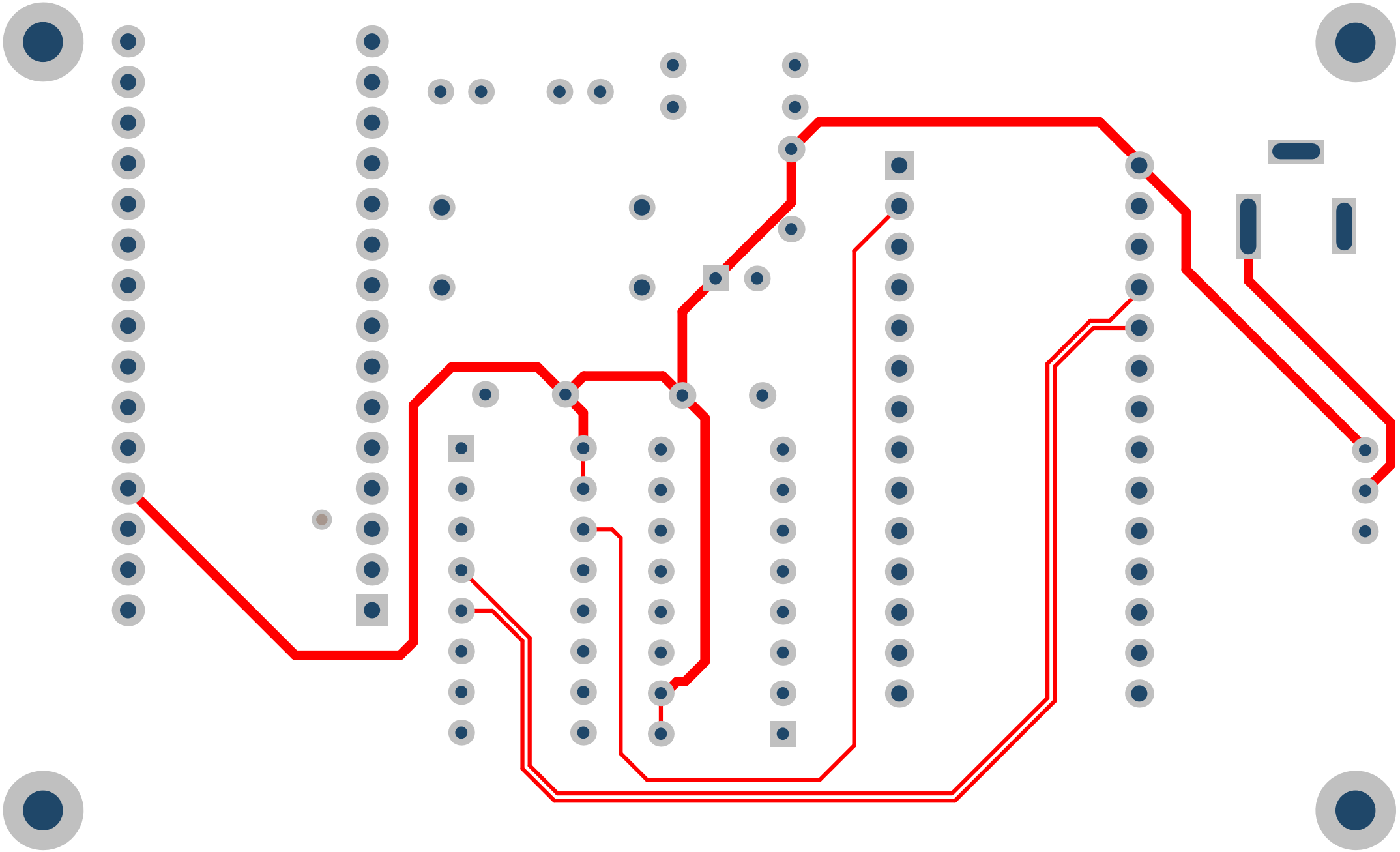

L1
L2
R1 R2
SW1
C4
C1
C2
C3
IC1
IC2
SW2
ON
OFF
Arduino Nano
NANO1
CD4094BE
CD4094BE
my LAB PCB
EEProm Programmer AT28C64. Rev: 6

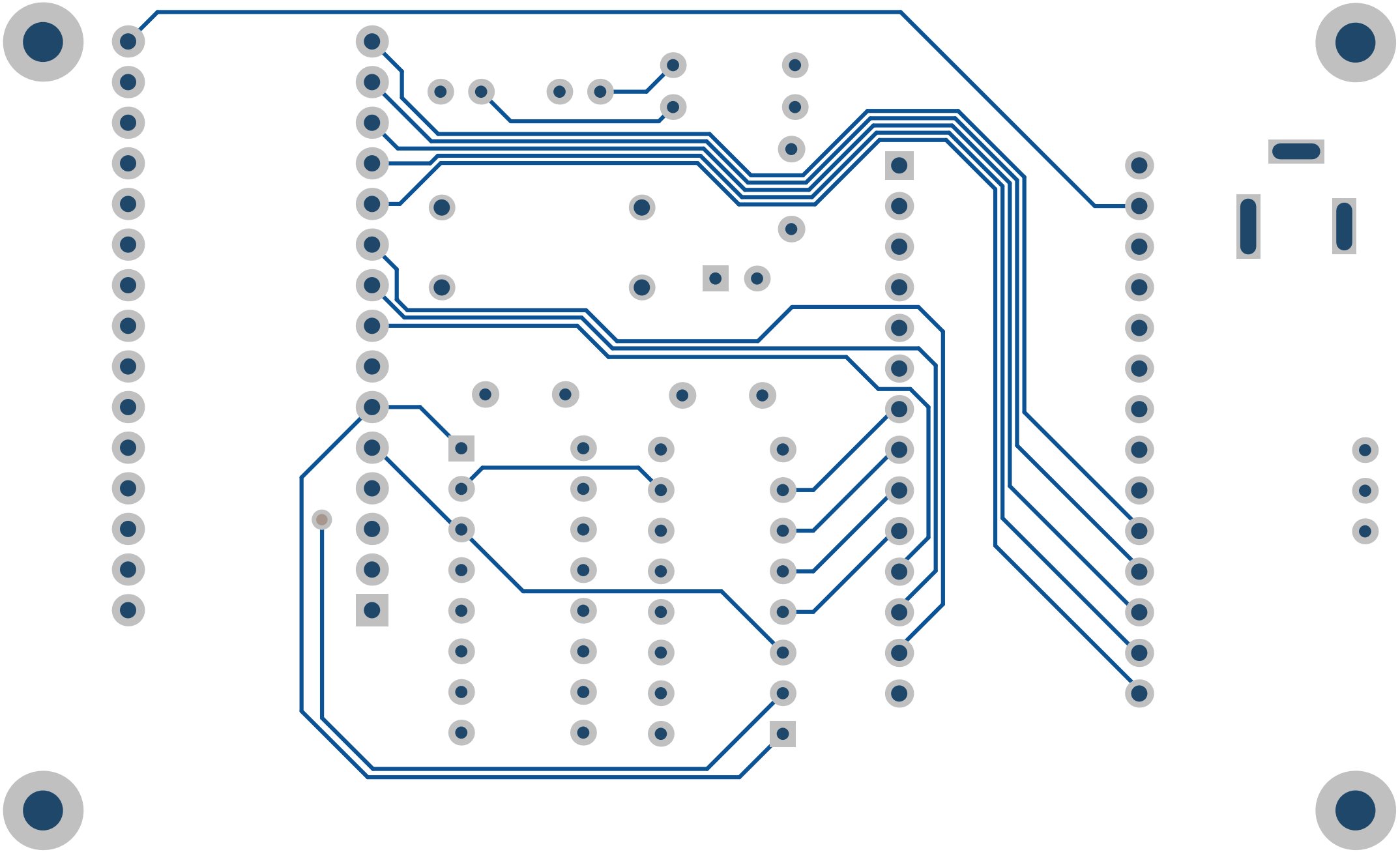

Reset Button
SW1
GND
Power Switch
PWR
SW2
VCC
Power Connector
PW1
Data cascade to QS2 for slow devices.
Parallel data shifted by 4094 is used as address of memory. From Q1 to Q8 pins, Q1 is less significative bit.
Arduino Nano reset pin is activated when set to GND.
Reset
Clock
Data Cascade
Latch
IC1
CD4094BE
IC2
CD4094BE
NANO1
Arduino Nano
MEM1
Status LED pins:
RUNNING -> A4
FINISHED -> A5
Check your code
OE (Output enable signal) is set using most significative bit of data of IC2. Q8
Output Enable Signal
L1
L2
R1
R2
220Ω
Display Indicators
C1
C2
C3
C4
10µF
100nF
Decoupling Capacitors
my LAB PCB
Project: EEProm Programmer AT28C64
Revision: 6
Date: 04-Jan-24
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: 6









Bill of Materials

EEProm Programmer AT28C64

Description	Value	Q
Electrolytic capacitor 16v/50v	10µF	1
Ceramic capacitor	100nF	3
CMOS 8 bits shift register,3 state	CD4094	2
Led 5mm Round	Yellow	1
Led 5mm Round	Green	1
AT28C64 ZIF Socket	socket 28W	1
Arduino NANO v3	v3	1
DC Power Jack, 2.5 A, 2mm Center Pin, 3 Position	2mm 3p	1
Resistor Axial	220	2
Tactile button 12 mm	12mm	1
Mini slide switch 2 pos, 3 pins	SP2T	1

Assembly List

EEProm Programmer AT28C64

Designator	Description	Value
C1	Electrolytic capacitor 16v/50v	10µF
C2	Ceramic capacitor	100nF
C3	Ceramic capacitor	100nF
C4	Ceramic 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	AT28C64 ZIF Socket	F socket 28W
NANO1	Arduino NANO v3	v3
PW1	DC Power Jack, 2.5 A, 2mm Center Pin, 3 Position	2mm 3p
R1	Resistor Axial	220
R2	Resistor Axial	220
SW1	Tactile button 12 mm	12mm
SW2	Mini slide switch 2 pos, 3 pins	SP2T