2   +5v

1   GND

RN1   myCPU Display LED 16b. Rev: 4   RN2

INPUT Data Connector

P1

I0	1	2	I1
I2	3	4	I3
I4	5	6	I5
I6	7	8	I7
I8	9	10	I9
I10	11	12	I11
I12	13	14	I13
I14	15	16	I15
UN	17	18	
RST	19	20	/RST
CLK	21	22	/CLK
	23	24	

GND VCC

RN1 2.2K ⊢ GND

RN2 2.2K ⊢ GND

LB1

Pin		Pin	
17	C1	AN1	1 I0
18	C2	AN2	2 I1
19	C3	AN3	3 I2
20	C4	AN4	4 I3
21	C5	AN5	5 I4
22	C6	AN6	6 I5
23	C7	AN7	7 I6
24	C8	AN8	8 I7
25	C9	AN9	9 I8
26	C10	AN10	10 I9
27	C11	AN11	11 I10
28	C12	AN12	12 I11
29	C13	AN13	13 I12
30	C14	AN14	14 I13
31	C15	AN15	15 I14
32	C16	AN16	16 I15

Feel free to choose the value of the limiting
resistors arrays to adjust the brightness of
the segmenst. Depending of the color of the
LED bar you have to use different values for
the limiting resitors.

Recommended values are:
RED-> 2.2K
YELLOW-> 1.2k
BLUW-> 3.3K
GREEN-> 4.7K

VCC

my
LAB
PCB

Project: **myCPU Display LED 16 bit**

Revision: **4**   **Date:** **16-Jun-24**

Author: **Rafa Hernández**

50.00

9.61

9.61

3.00

2

1

+5v

GND

4.55

4.55

28.00

LB1

8.40
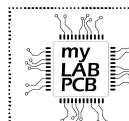
RN1   myCPU Display LED 16b. Rev: 4   RN2
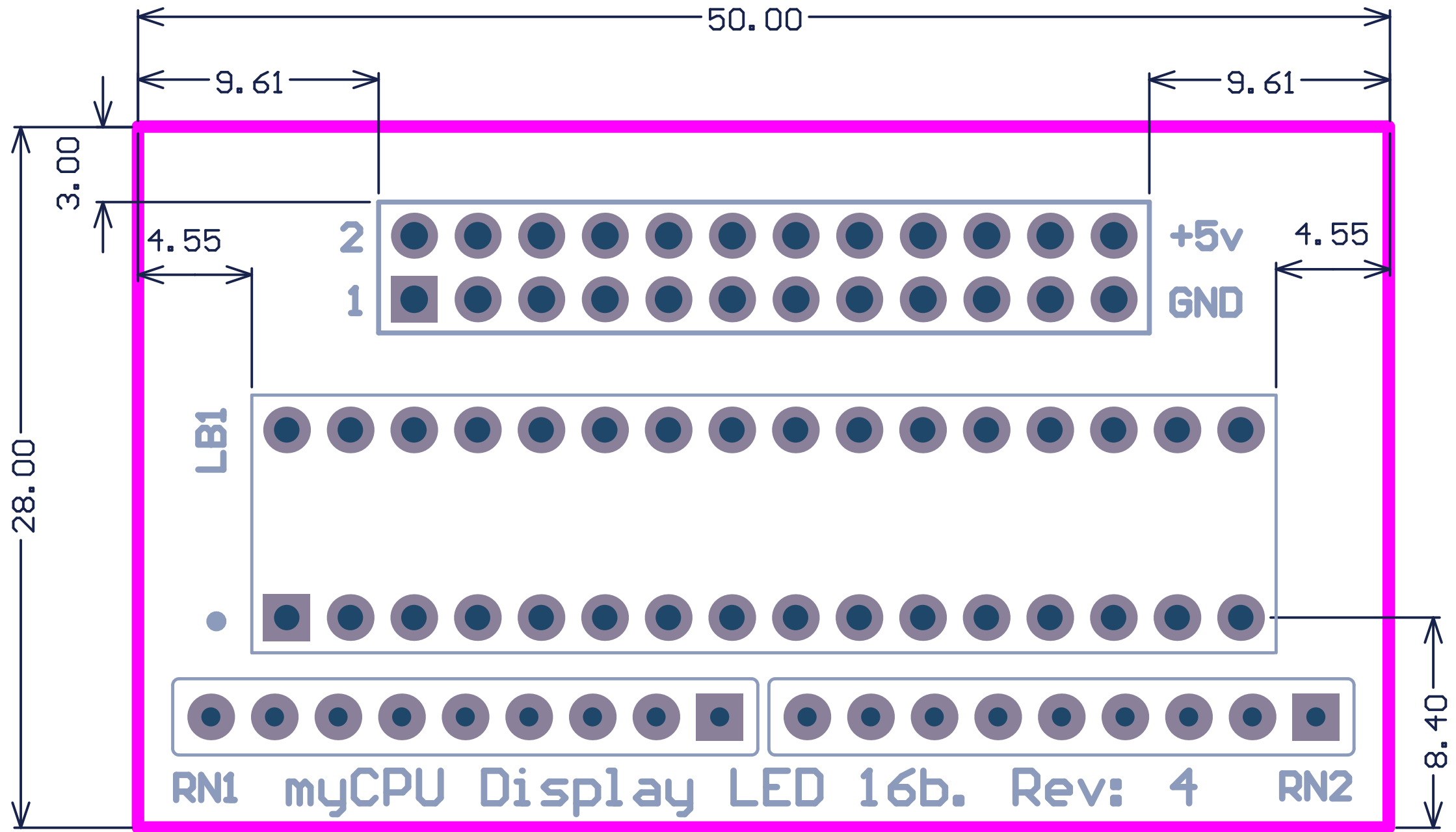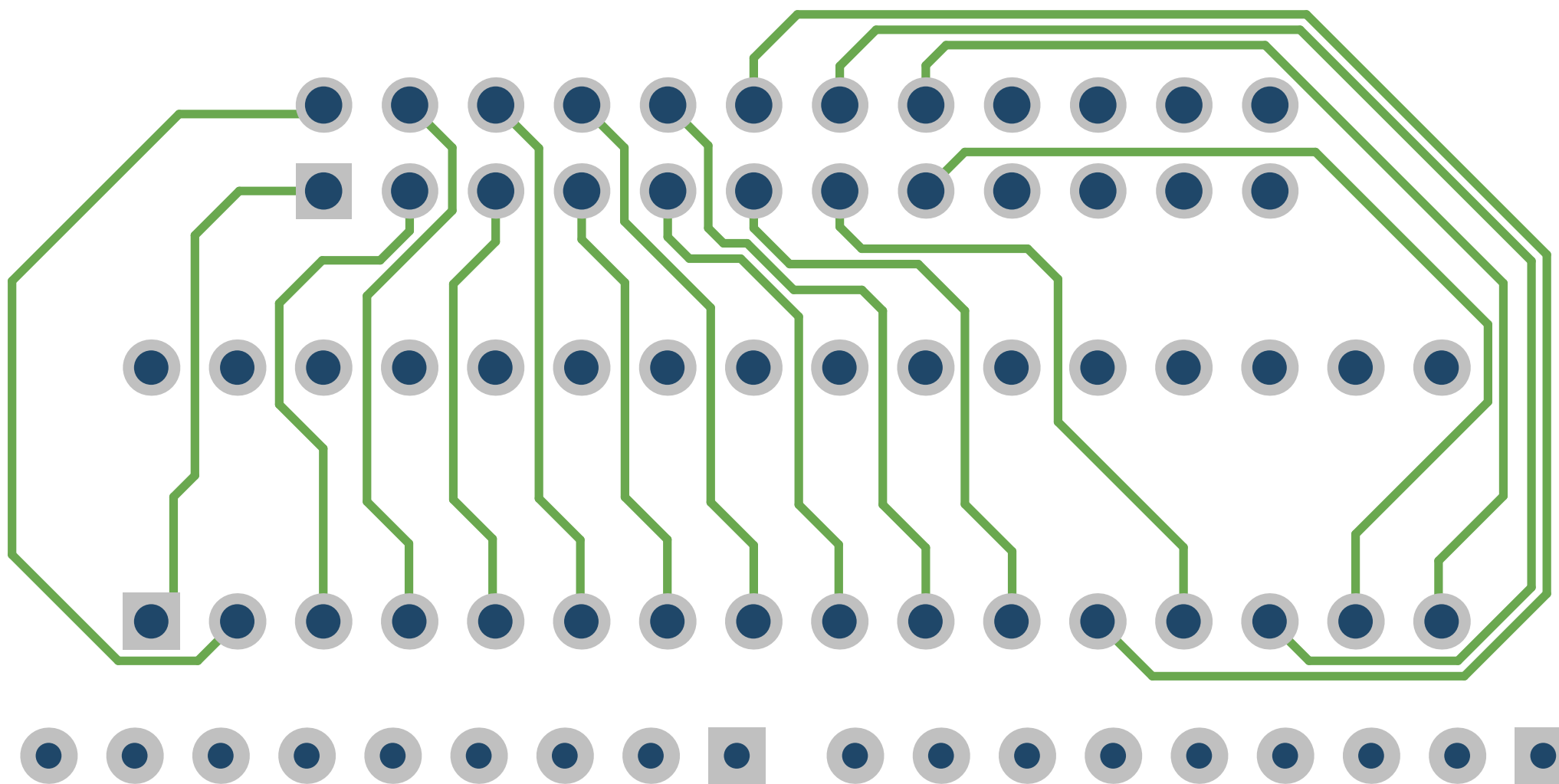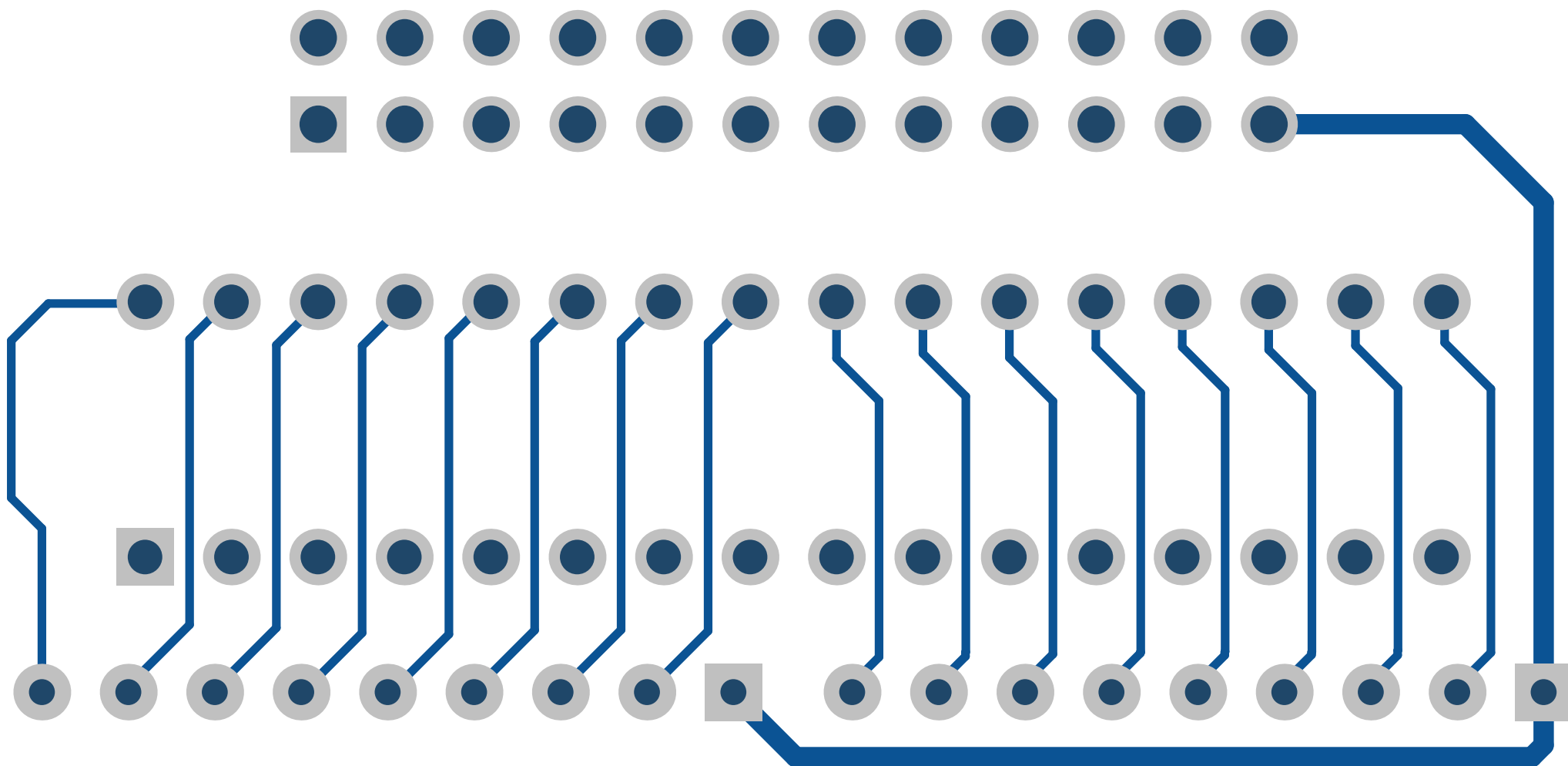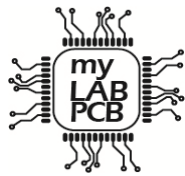
Bill of Materials

myCPU Display LED 16 bit

Description	Value	Q
Led Indicator Bar 16 segments	Red	1
Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	24p	1
Resistor array 8 elements,9 pins	2.2K	2

Assembly List

myCPU Display LED 16 bit

Designator	Description	Value
LB1	Led Indicator Bar 16 segments	Red
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	24p
RN1	Resistor array 8 elements,9 pins	2.2K
RN2	Resistor array 8 elements,9 pins	2.2K