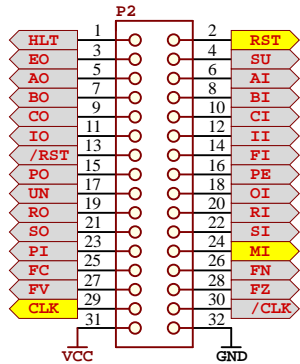
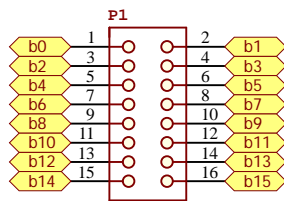


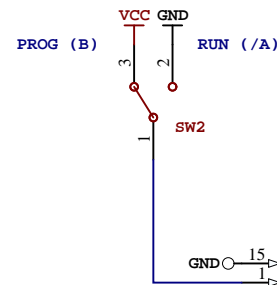
Control BUS Connector



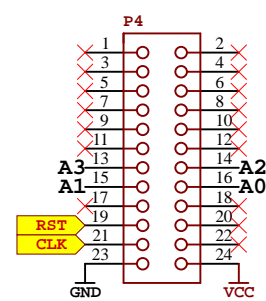
Data BUS Connector



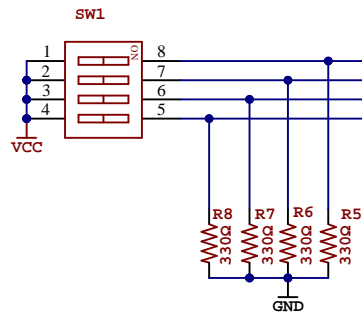
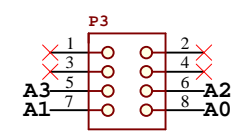
Programming Mode Switch



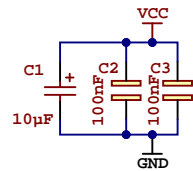
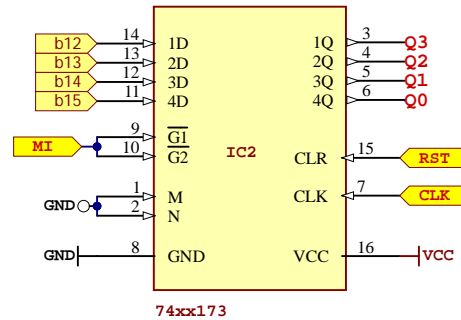
Output Connector



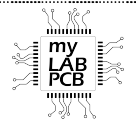
Address OUTPUT Connector



4 bits MAR version uses only less significative 4 bits of the data exposed on the data BUS.



Decoupling Capacitors

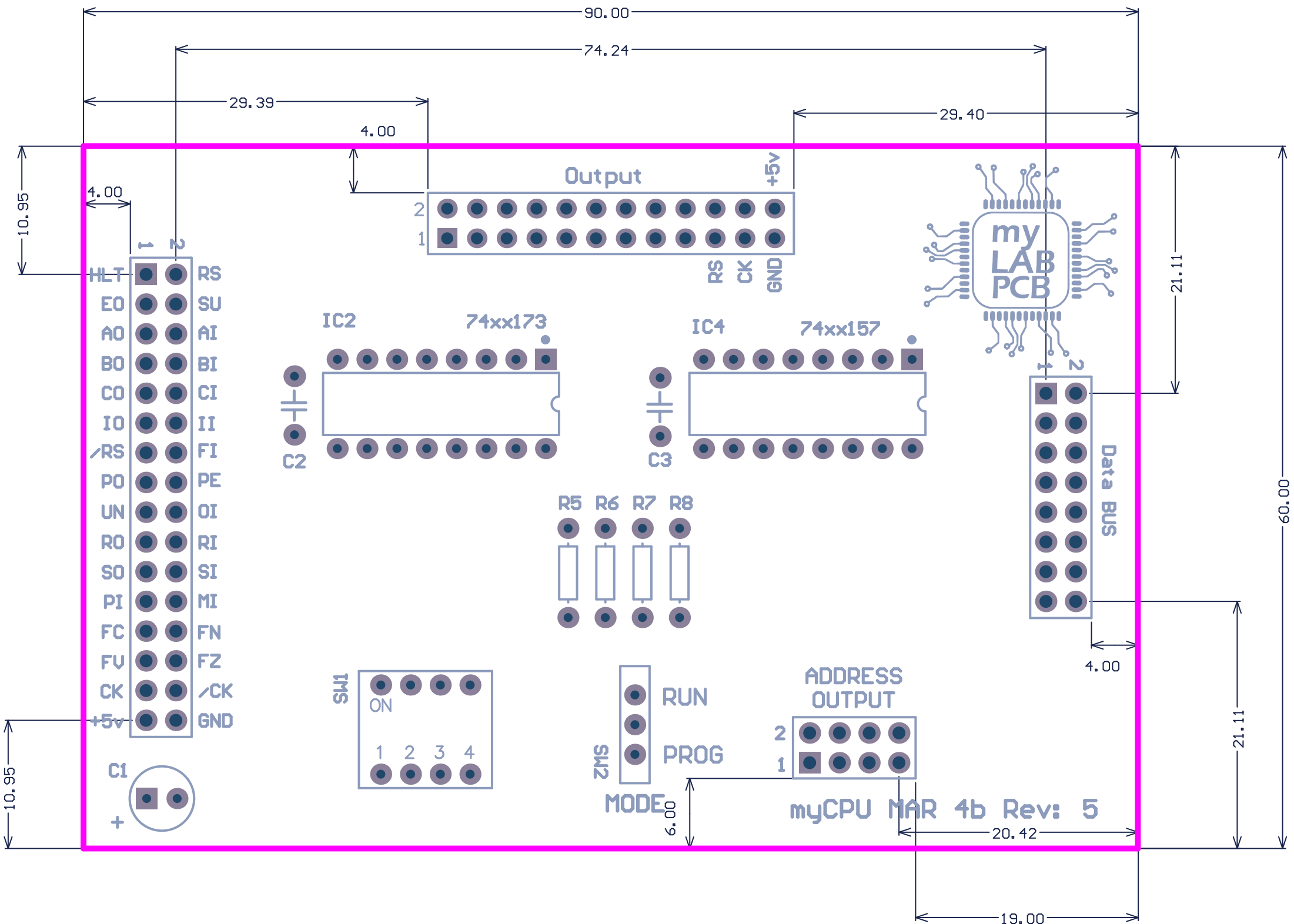


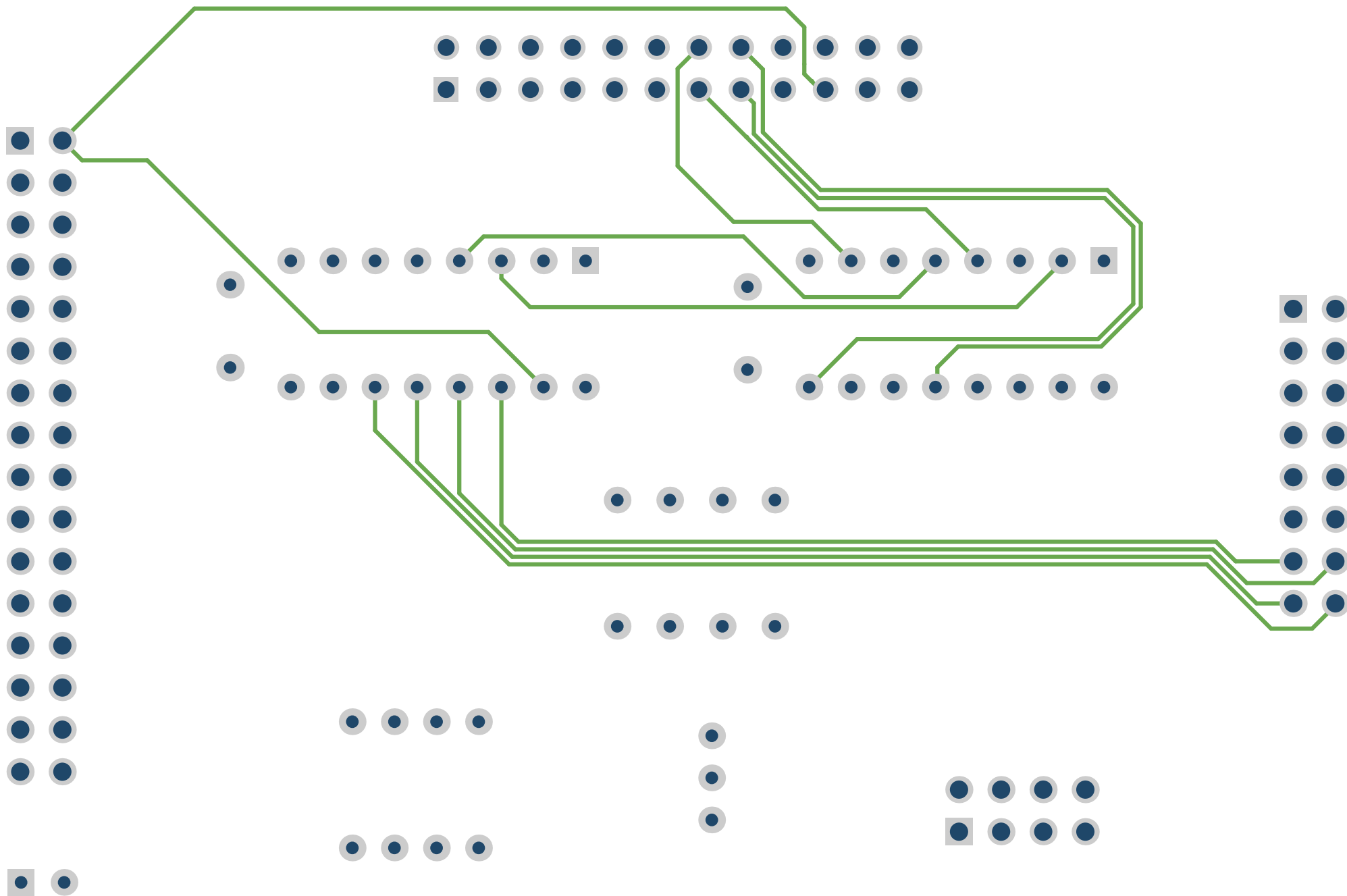
Project: myCPU MAR Module 4 bits

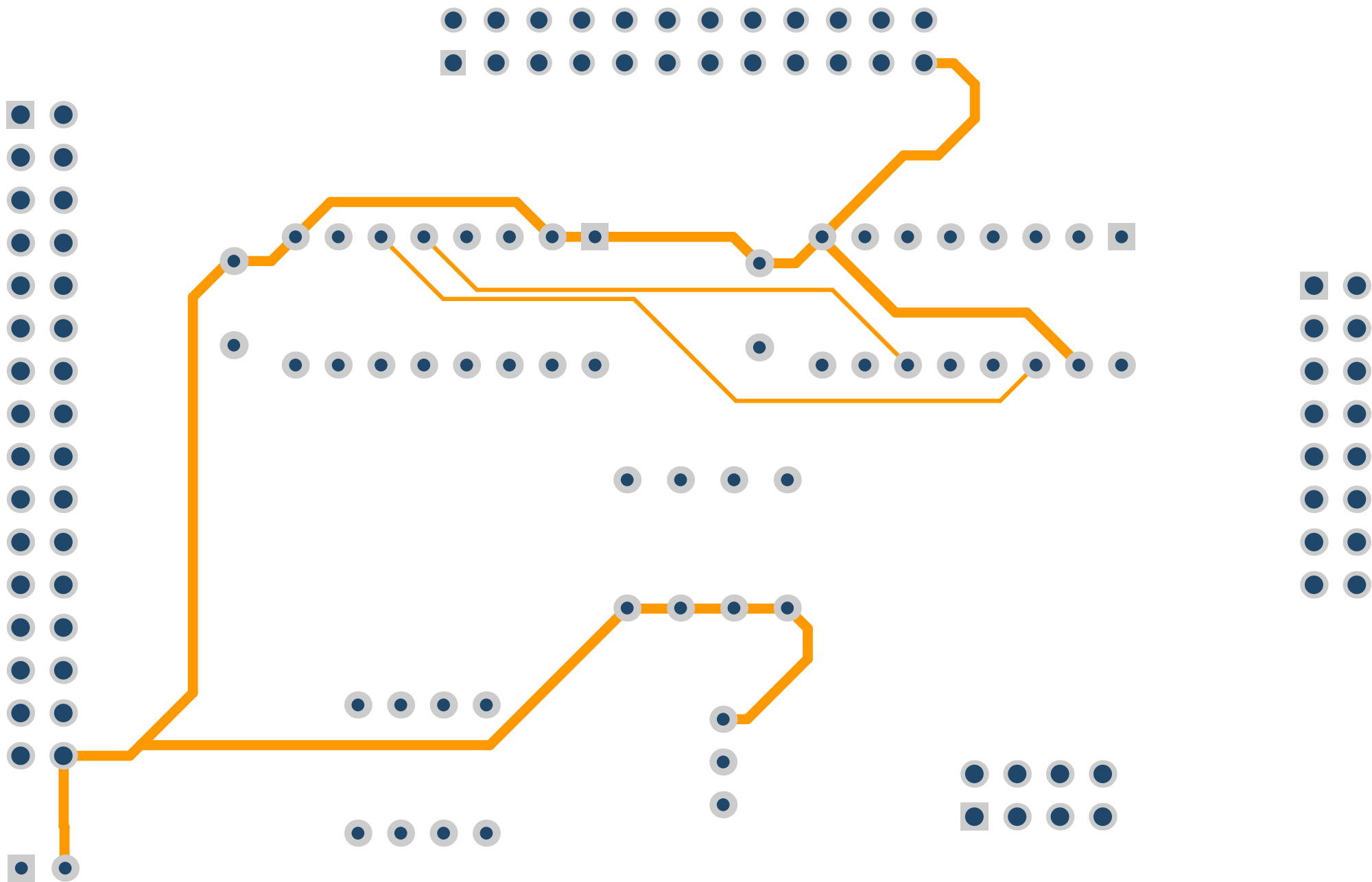
Revision: 5

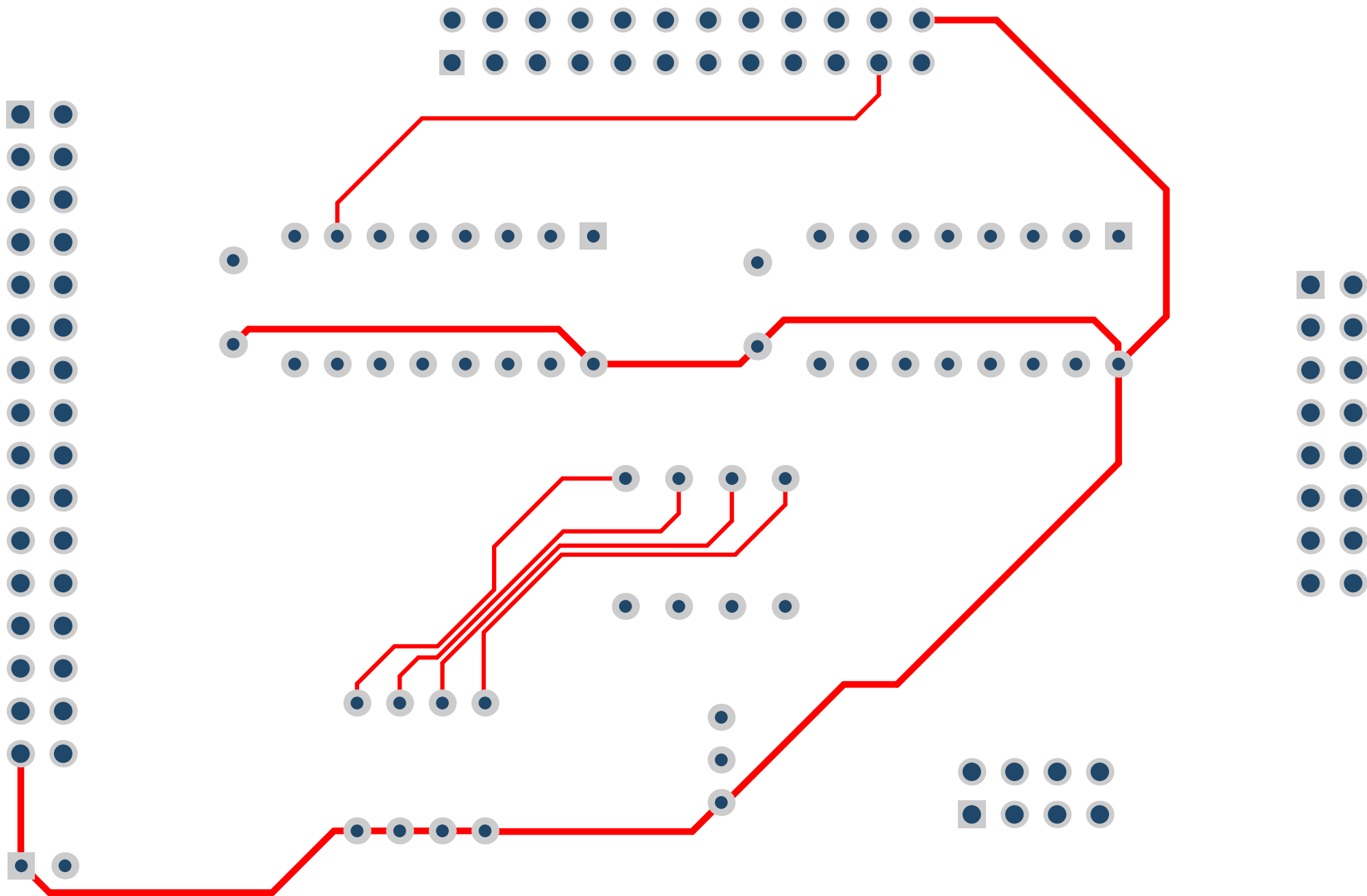
Date: 15-Jul-24

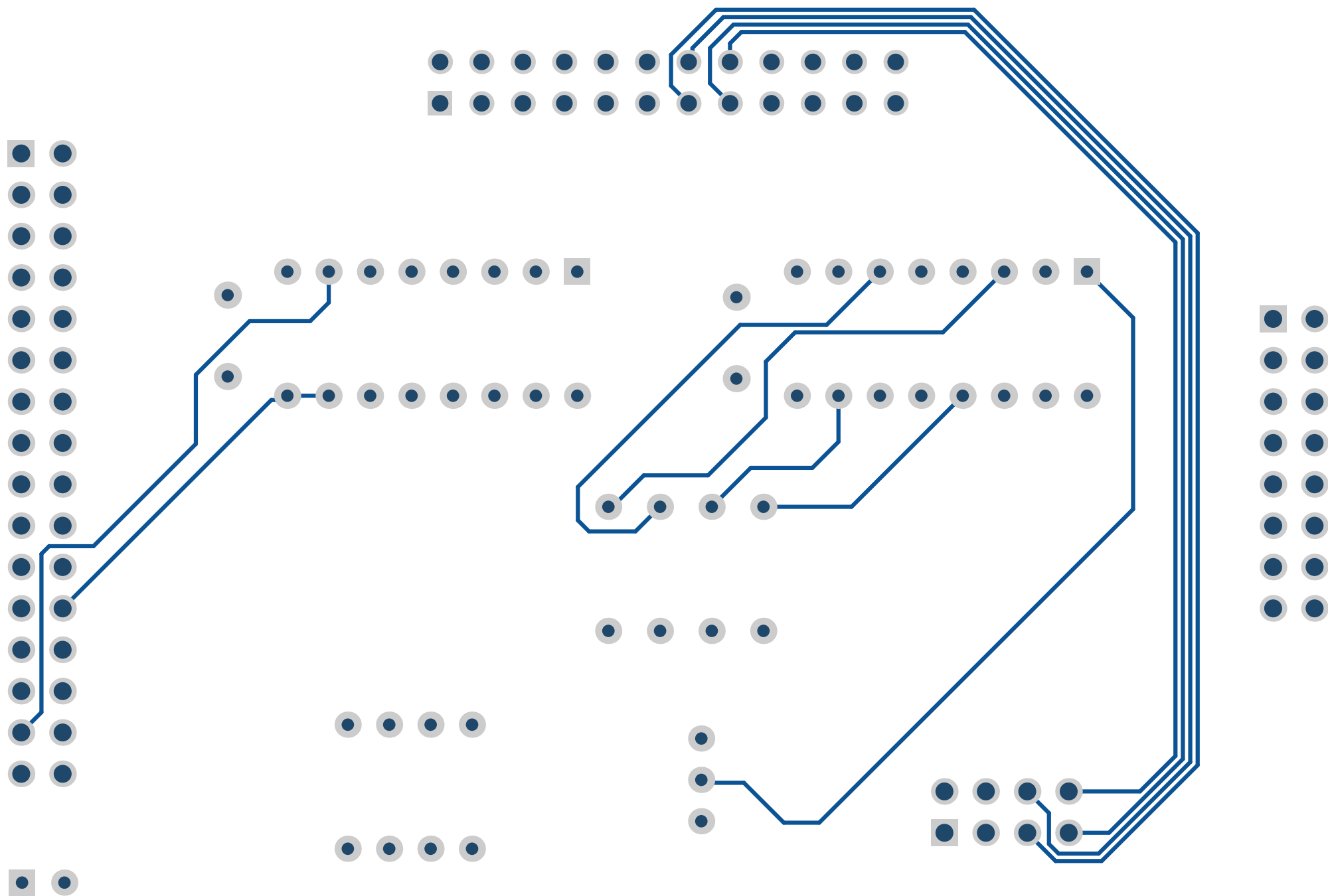
Author: Rafa Hernández













Bill of Materials

myCPU MAR 4 bits

Description	Value	Q
Electrolytic capacitor 16v/50v	10 μ F	1
Ceramic capacitor	100nF	2
4-bit D-Type Register with 3 state outputs	74xx173	1
4-Bits 2-Line to 1 Line data selector	74xx157	1
Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	16p	1
Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	32p	1
Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	8p	1
Socket Header, THT, pitch 2.54mm, Dual Row, Vertical	24p	1
Resistor Axial	330	4
DIP switch 4 positions	4p	1
Mini slide switch 2 pos, 3 pins	SP2T	1



Assembly List

myCPU MAR 4 bits

Designator	Description	Value
C1	Electrolytic capacitor 16v/50v	10 μ F
C2	Ceramic capacitor	100nF
C3	Ceramic capacitor	100nF
IC2	4-bit D-Type Register with 3 state outputs	74xx173
IC4	4-Bits 2-Line to 1 Line data selector	74xx157
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	16p
P2	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	32p
P3	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	8p
P4	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical	24p
R5	Resistor Axial	330
R6	Resistor Axial	330
R7	Resistor Axial	330
R8	Resistor Axial	330
SW1	DIP switch 4 positions	4p
SW2	Mini slide switch 2 pos, 3 pins	SP2T