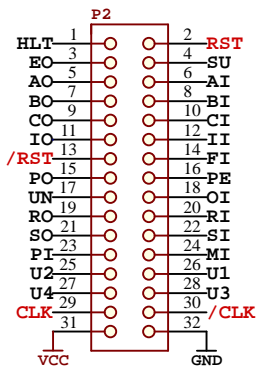
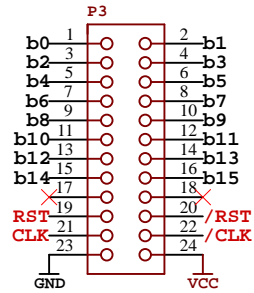


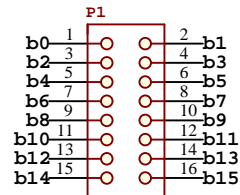
Control BUS Connector



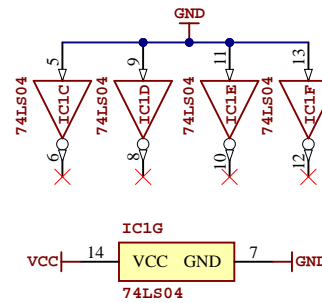
OUTPUT Connector



Data BUS Connector

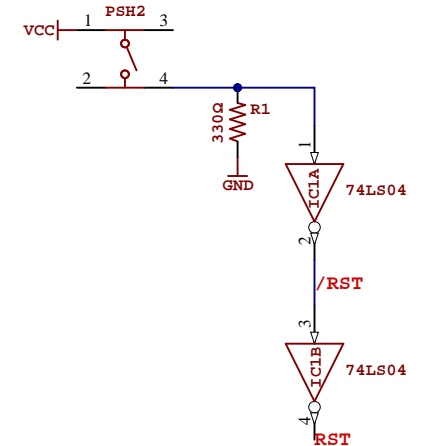


Unused TTL Inputs

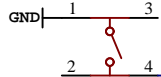


Data BUS lines are pulled-down by RN3 and RN4, you can change the value as your own according to the resistor values placed on BUS chained modules or remove them completely. Is recommended to remove them is you placed the data bus lines pull-down resistors on the BUS module.

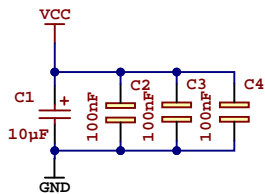
RESET Signals



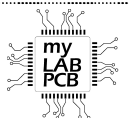
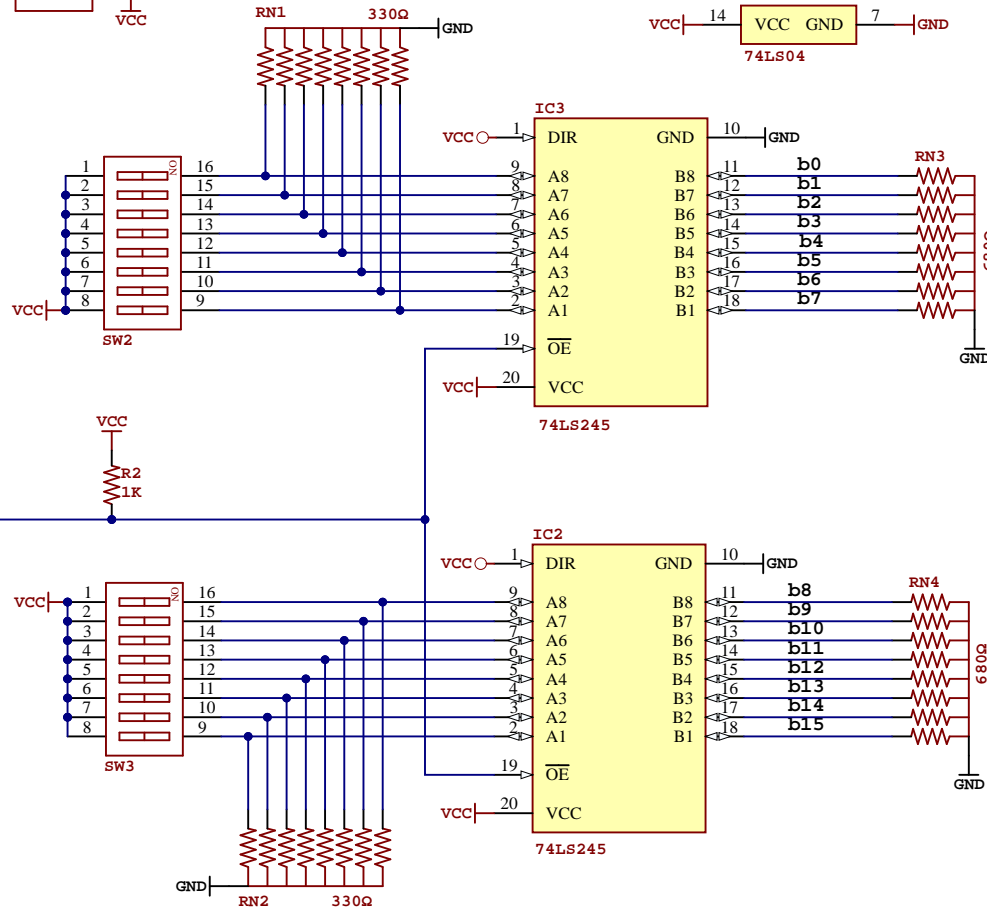
PSH1



VCC



Decoupling Capacitors

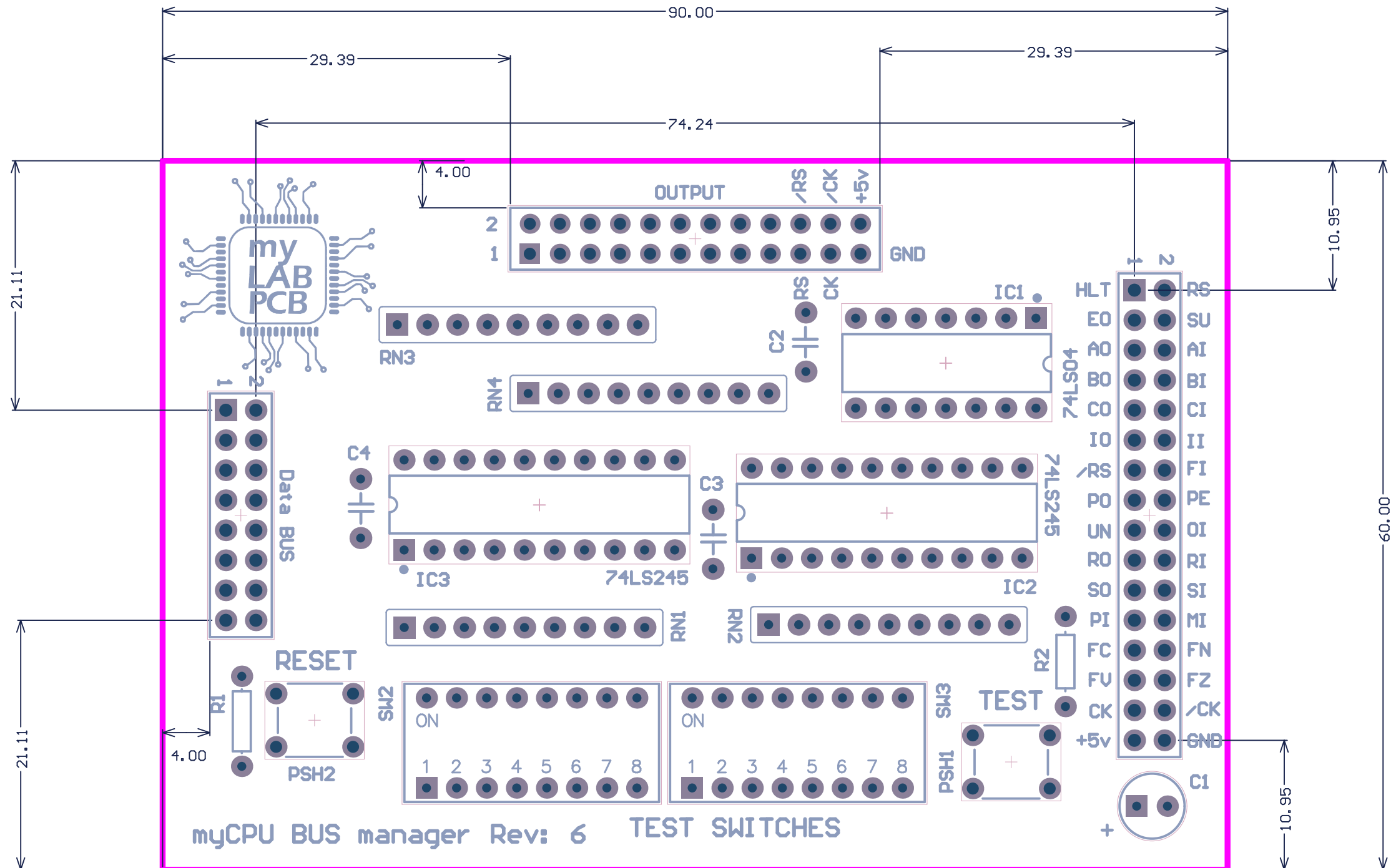


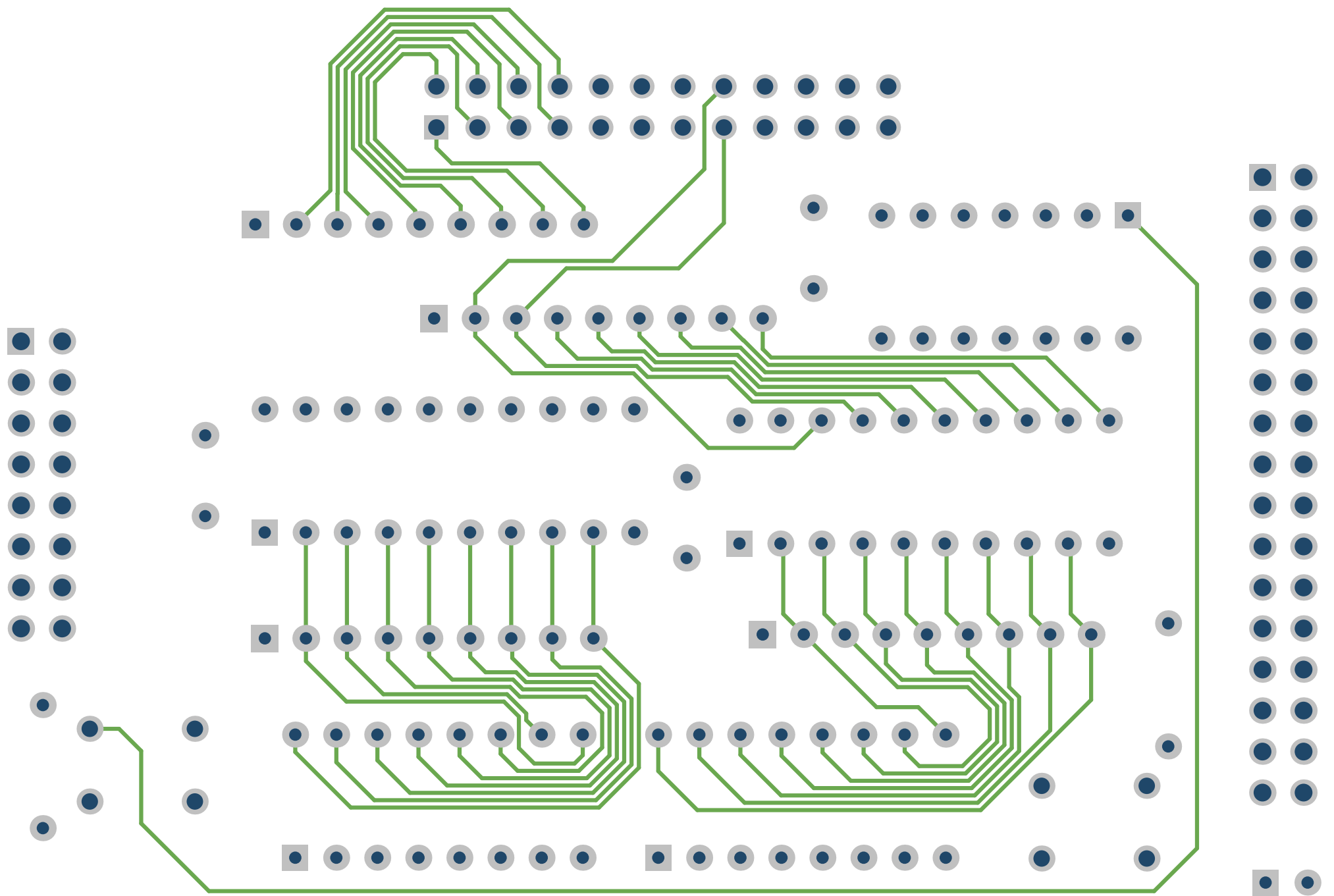
Project: myCPU BUS Manager

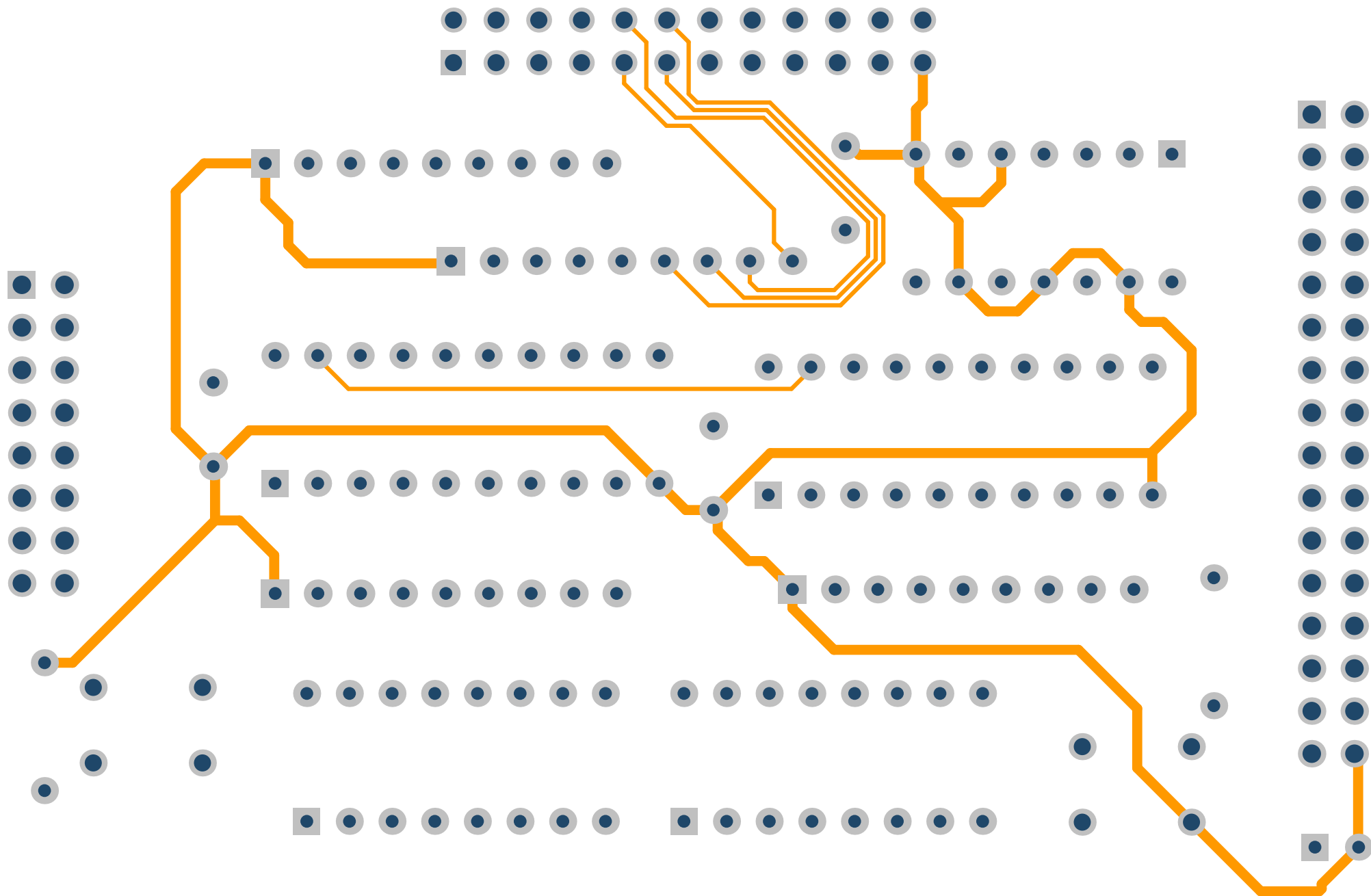
Revision: 6

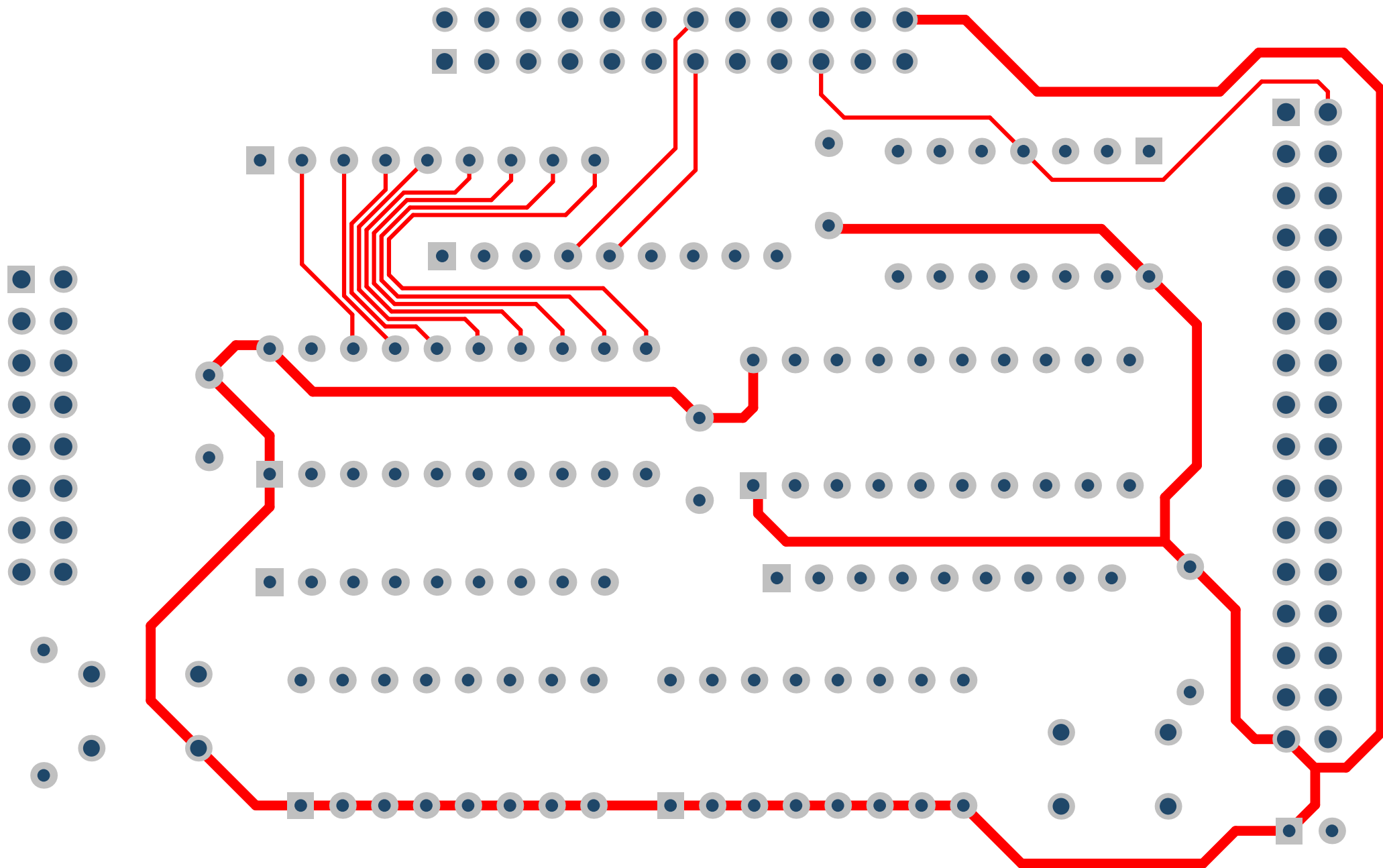
Date: 03-Jun-23

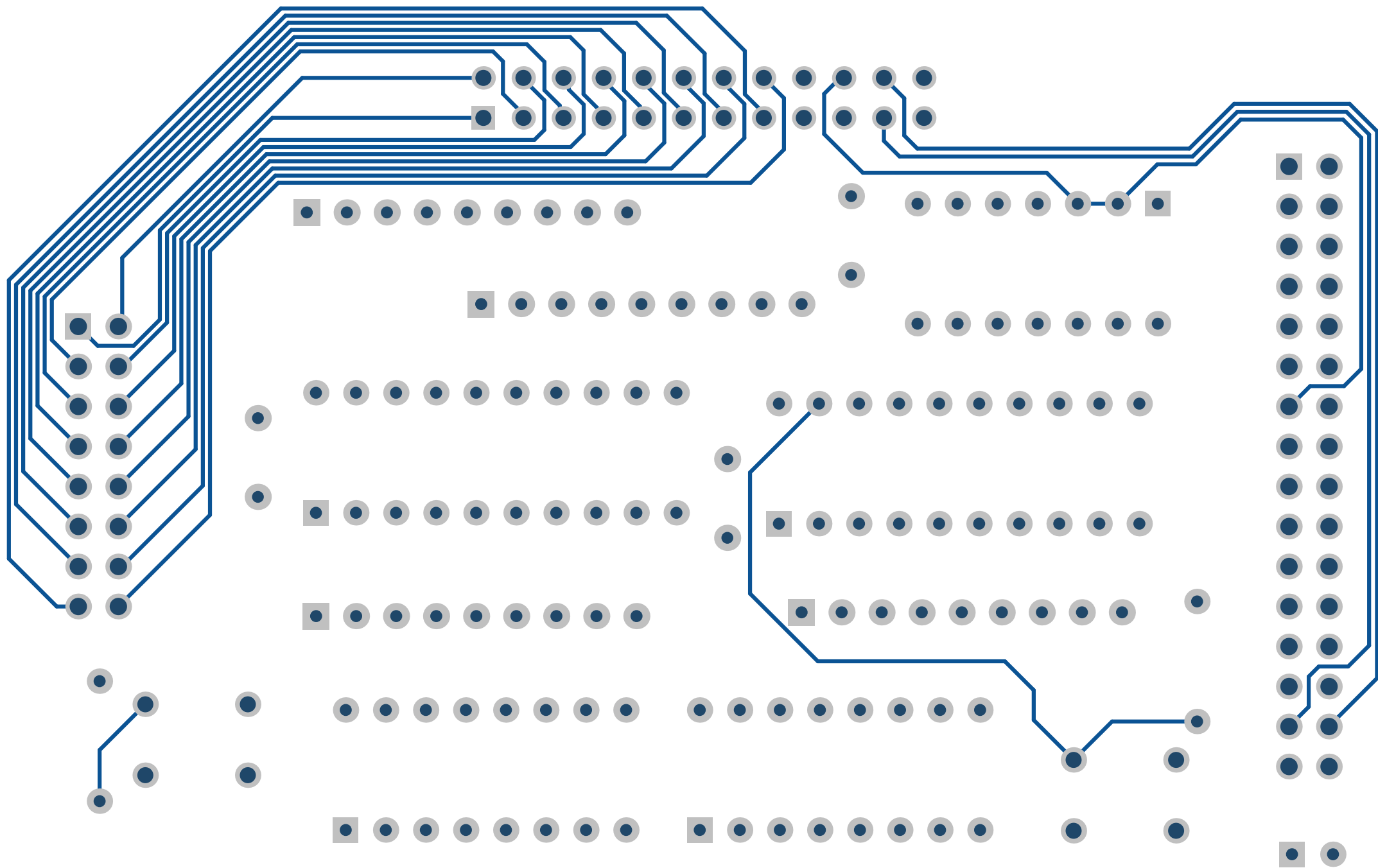
Author: Rafa Hernández













Bill of Materials

Designator	Description	Value	Q
C1	Electrolytic capacitor 16v/50v	10 μ F	1
C2, C3, C4	Ceramic or tantalum capacitor	100nF	3
IC1	Hex inverters	74LS04	1
IC2, IC3	Non inverting bus transceiver	74LS245	2
P1	Pin Header, pitch 2.54mm, Dual Row, Vertical	16p	1
P2	Pin Header, pitch 2.54mm, Dual Row, Vertical	32p	1
P3	Socket Header, pitch 2.54mm, Dual Row, Vertical	24p	1
PSH1, PSH2	Tactile button 6 mm		2
R1	Resistor Axial	330 Ω	1
R2	Resistor Axial	1K	1
RN1, RN2	Resistor array 8 elements,9 pins	330 Ω	2
RN3, RN4	Resistor array 8 elements,9 pins	680 Ω	2
SW2, SW3	DIP switch 8 positions		2



Assembly List

Designator	Description	Value
C1	Electrolytic capacitor 16v/50v	10 μ F
C2	Ceramic or tantalum capacitor	100nF
C3	Ceramic or tantalum capacitor	100nF
C4	Ceramic or tantalum capacitor	100nF
IC1	Hex inverters	74LS04
IC2	Non inverting bus transceiver	74LS245
IC3	Non inverting bus transceiver	74LS245
P1	Pin Header, pitch 2.54mm, Dual Row, Vertical	16p
P2	Pin Header, pitch 2.54mm, Dual Row, Vertical	32p
P3	Socket Header, pitch 2.54mm, Dual Row, Vertical	24p
PSH1	Tactile button 6 mm	
PSH2	Tactile button 6 mm	
R1	Resistor Axial	330 Ω
R2	Resistor Axial	1K
RN1	Resistor array 8 elements,9 pins	330 Ω
RN2	Resistor array 8 elements,9 pins	330 Ω
RN3	Resistor array 8 elements,9 pins	680 Ω
RN4	Resistor array 8 elements,9 pins	680 Ω
SW2	DIP switch 8 positions	
SW3	DIP switch 8 positions	