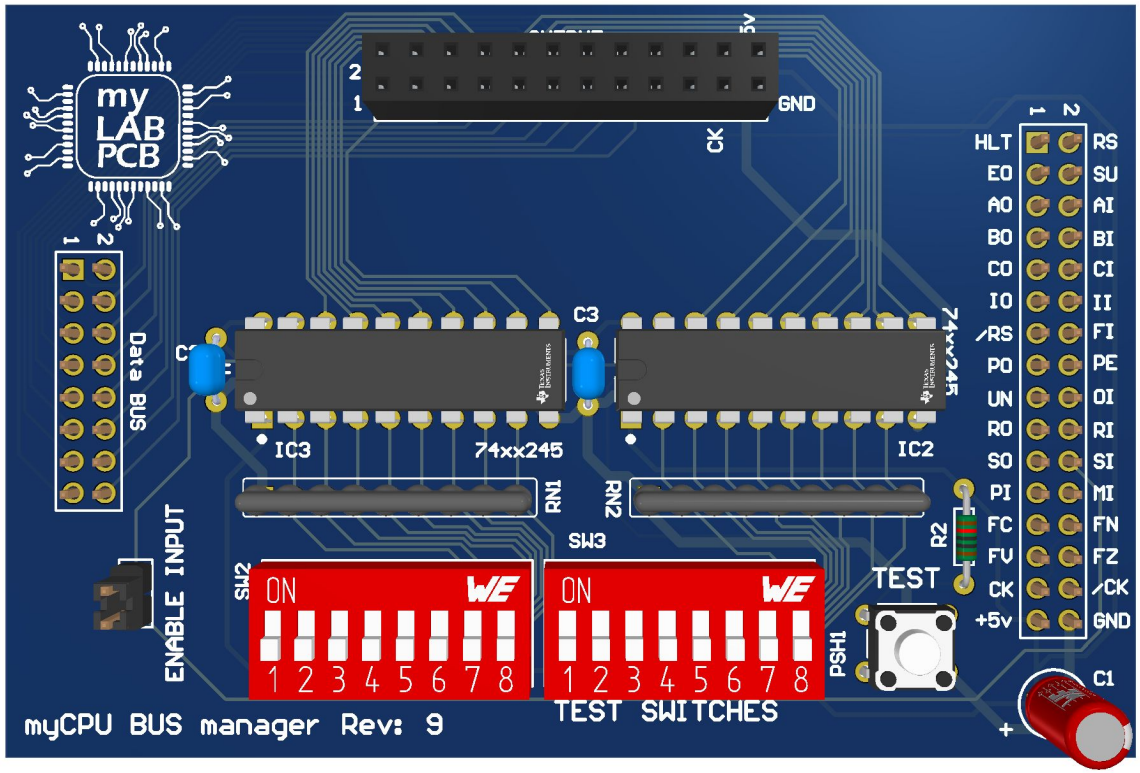
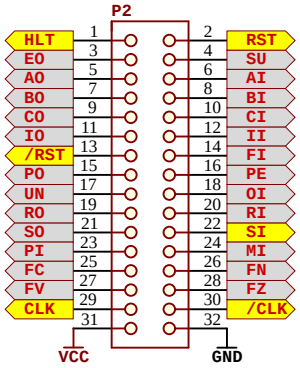
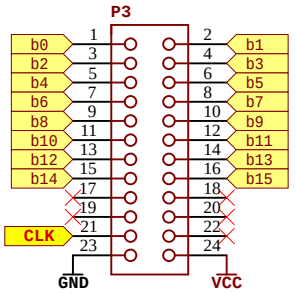

my
LAB
PCB
2
1
GND
CK
5v
HLT
EO
AO
BO
CO
IO
/RS
PO
UN
RO
SO
PI
FC
FV
CK
+5v
RS
SU
AI
BI
CI
II
FI
PE
OI
RI
SI
MI
FN
FZ
/CK
GND
Data BUS
C3
IC3
74xx245
IC2
RN1
RN2
SW3
R2
SW2
ON
WE
1 2 3 4 5 6 7 8
TEST
PSH1
C1
ENABLE INPUT
myCPU BUS manager Rev: 9
TEST SWITCHES

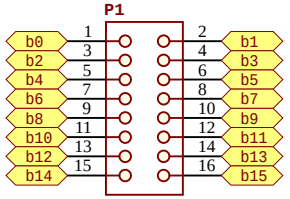
Control BUS Connector

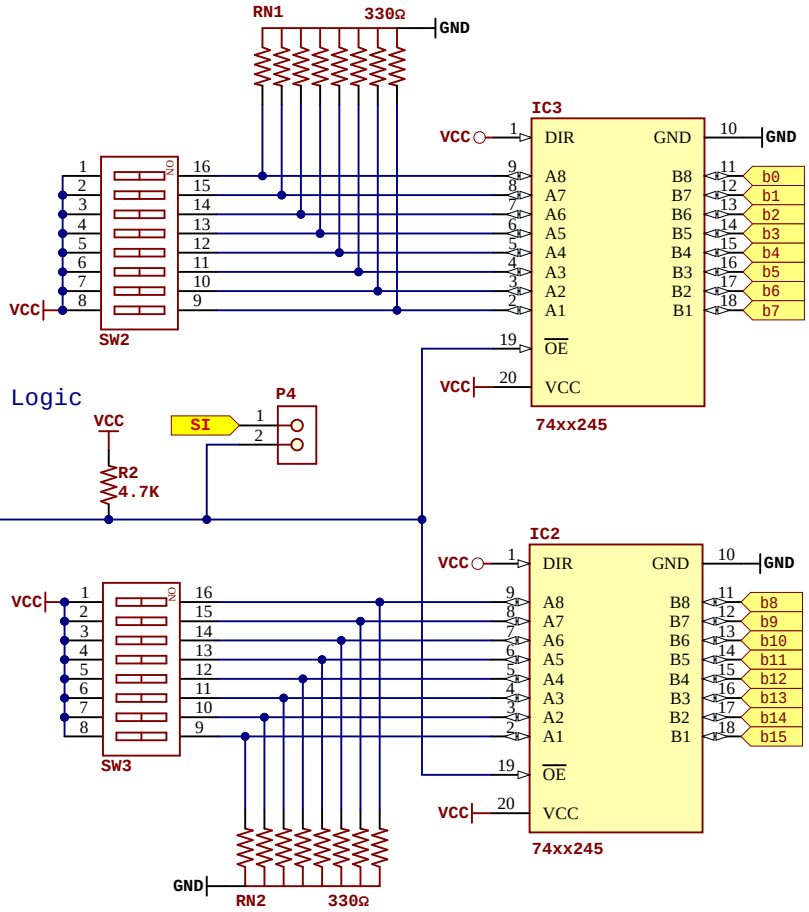


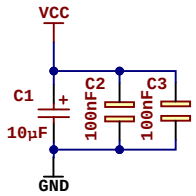
OUTPUT Connector



Data BUS Connector

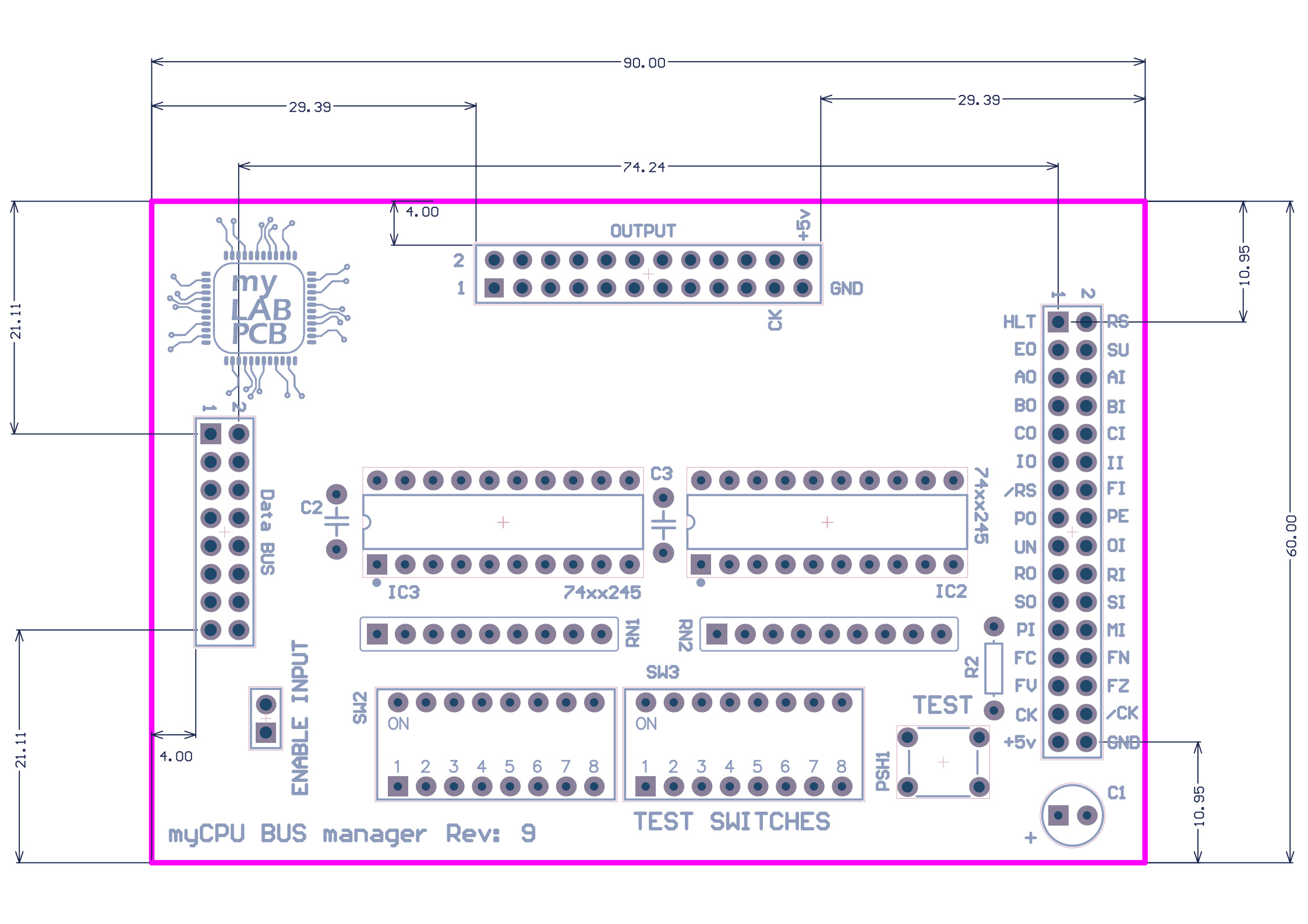


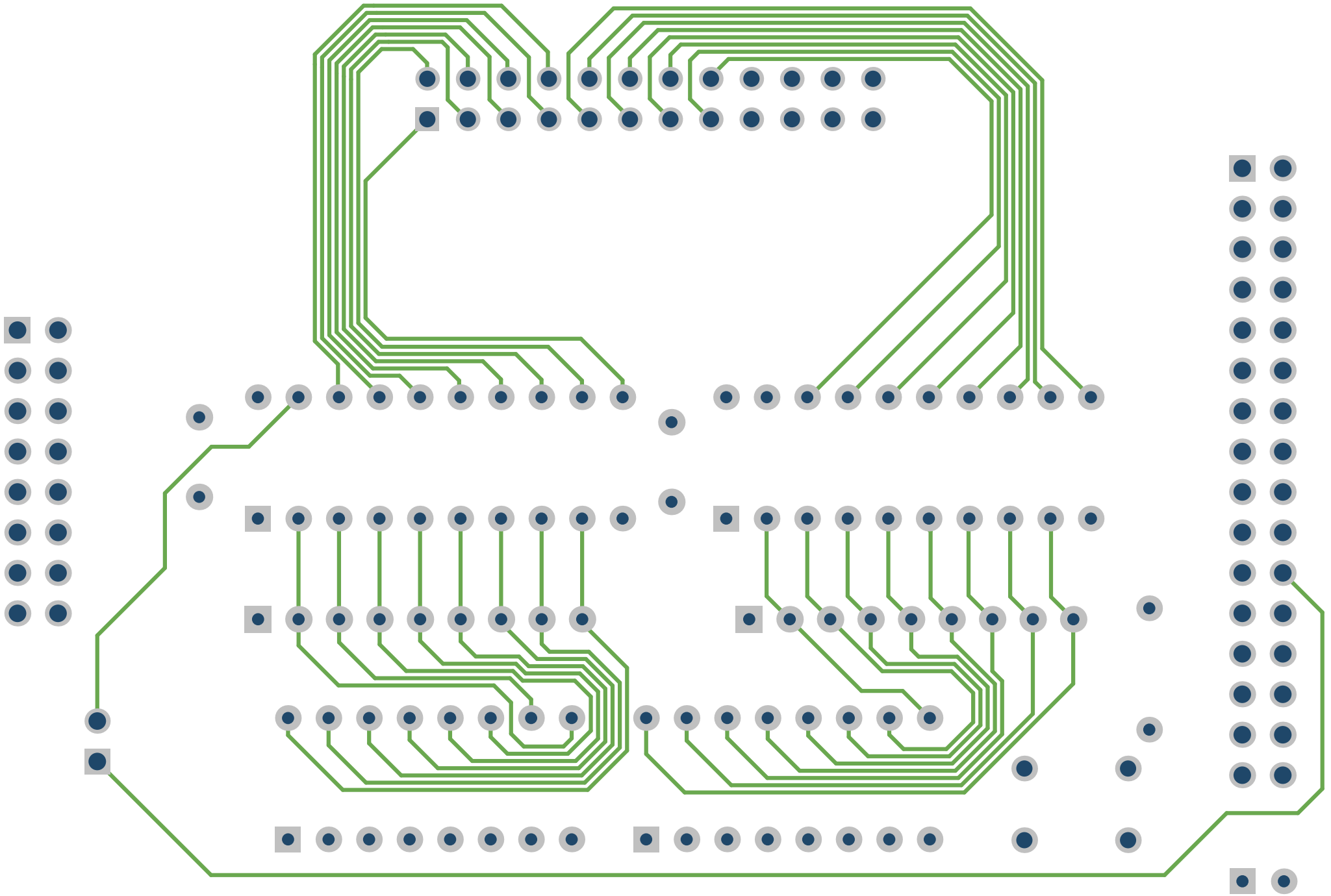


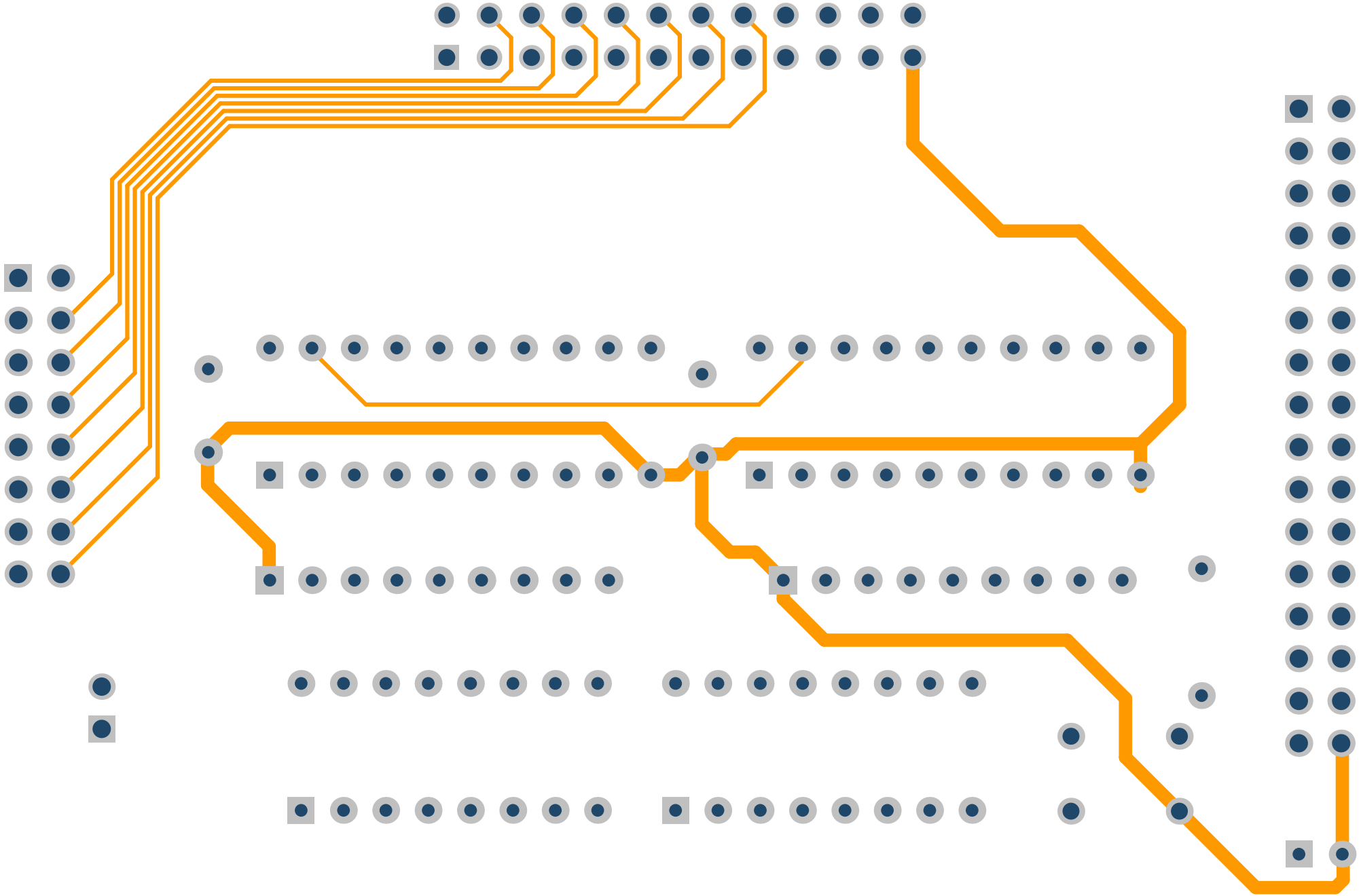


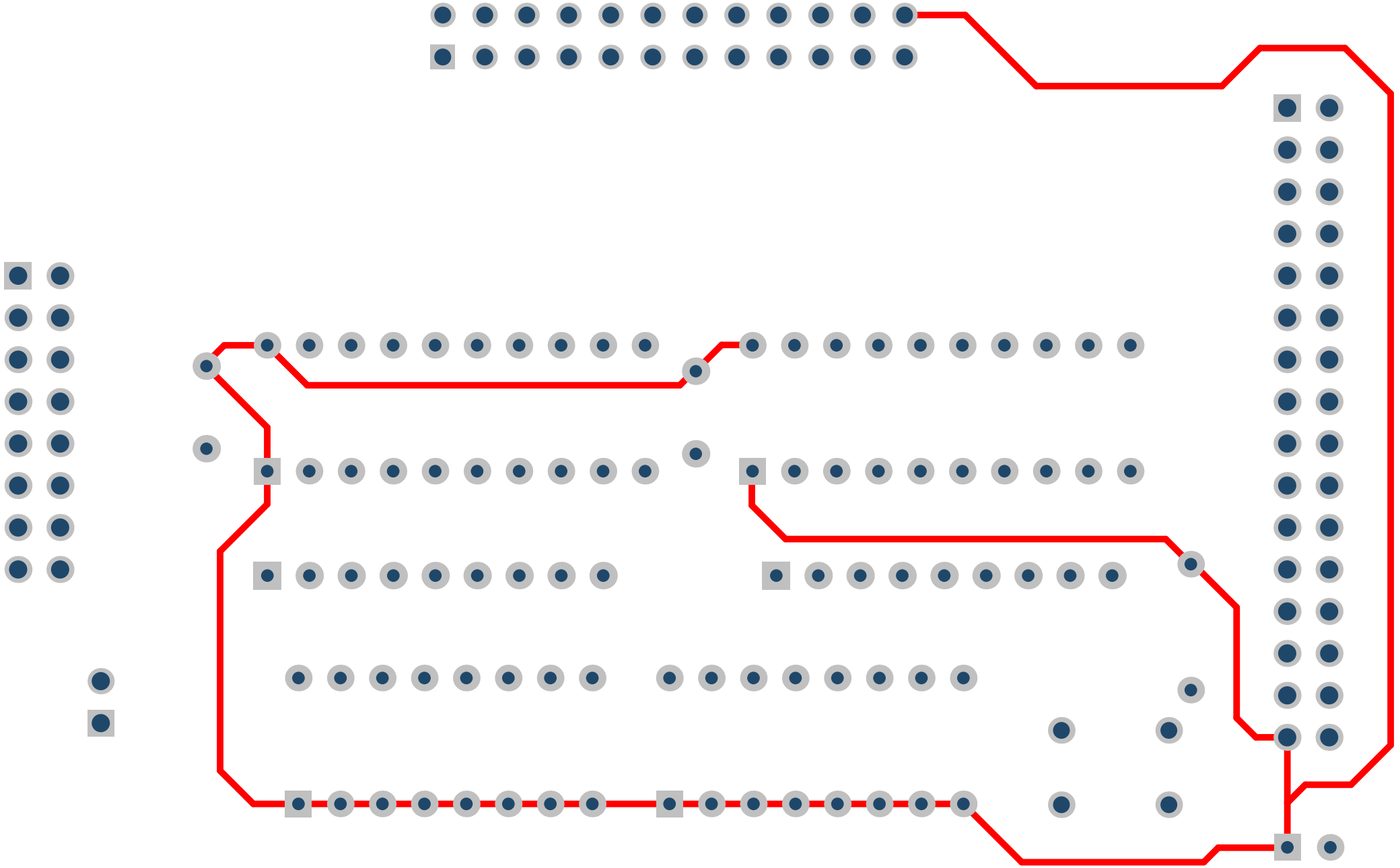
Decoupling Capacitors

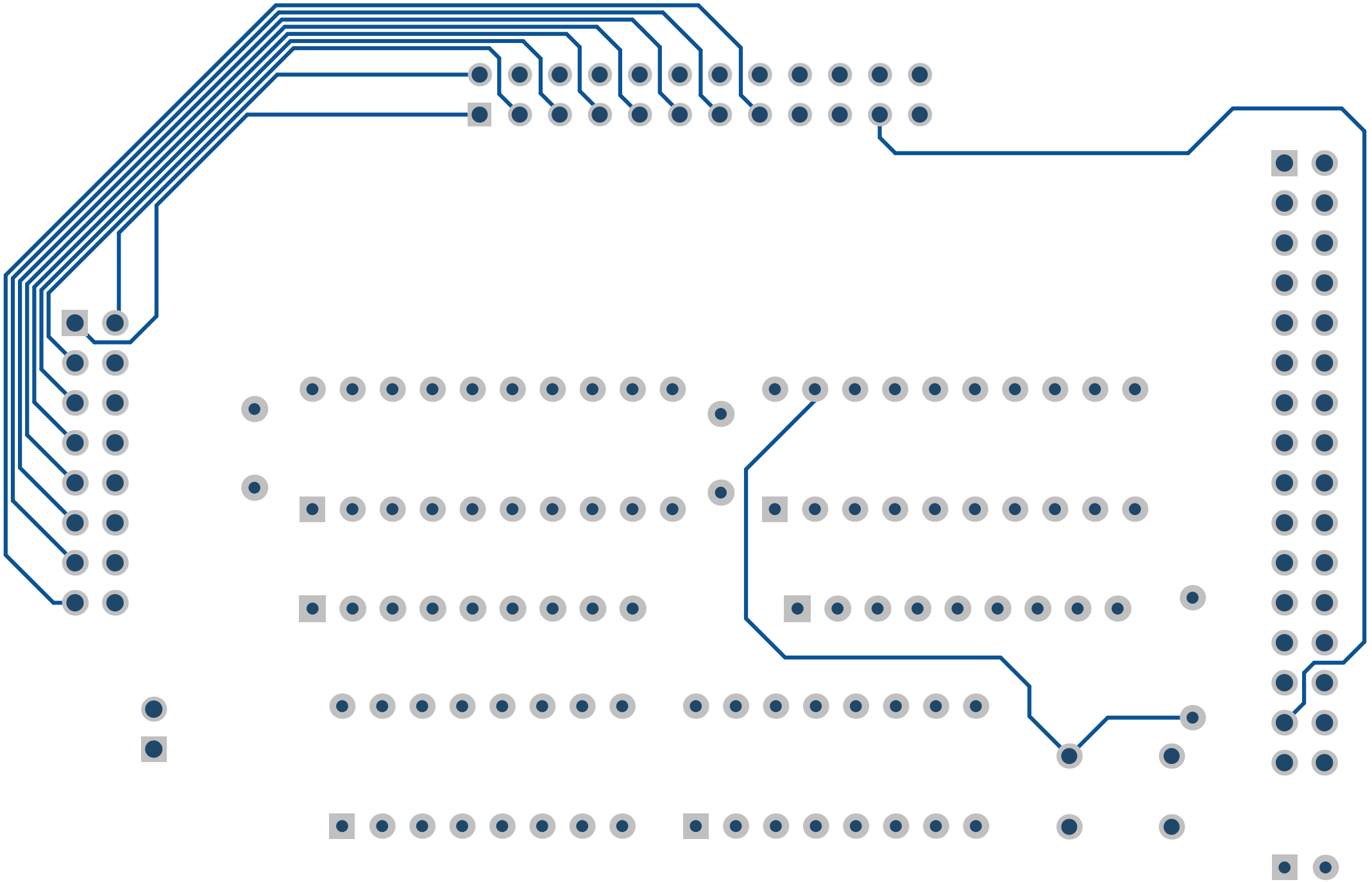
Project: myCPU BUS Manager	
Revision: 9	**Date:** 20-Jun-24
Author: Rafa Hernández	


90.00
29.39
29.39
74.24
4.00
OUTPUT
+5v
2
1
GND
CK
10.95
21.11
60.00
HLT
EO
AO
BO
CO
IO
/RS
PO
UN
RO
SO
PI
FC
FV
CK
+5v
RS
SU
AI
BI
CI
II
FI
PE
OI
RI
SI
MI
FN
FZ
/CK
GND
Data BUS
C2
C3
74xx245
IC3
IC2
RN1
RN2
R2
SW3
SW2
ON
1 2 3 4 5 6 7 8
TEST
PSH1
C1
ENABLE INPUT
4.00
21.11
10.95
myCPU BUS manager Rev: 9
TEST SWITCHES









Bill of Materials

myCPU BUS Manager

Description	Value	Q
Electrolytic capacitor 16v/50v	10µF	1
Ceramic capacitor	100nF	2
Non inverting bus transceiver	74xx245	2
Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	16p	1
Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	32p	1
Socket Header, THT, pitch 2.54mm, Dual Row, Vertical	24p	1
Pin Header, THT, pitch 2.54mm, Single Row, Vertical	2p	1
Tactile button 6 mm	6mm	1
Resistor Axial	4.7K	1
Resistor array 8 elements,9 pins	330	2
DIP switch 8 positions	8p	2

Assembly List

myCPU BUS Manager

Designator	Description	Value
C1	Electrolytic capacitor 16v/50v	10µF
C2	Ceramic capacitor	100nF
C3	Ceramic capacitor	100nF
IC2	Non inverting bus transceiver	74xx245
IC3	Non inverting bus transceiver	74xx245
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	16p
P2	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical	32p
P3	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical	24p
P4	Pin Header, THT, pitch 2.54mm, Single Row, Vertical	2p
PSH1	Tactile button 6 mm	6mm
R2	Resistor Axial	4.7K
RN1	Resistor array 8 elements,9 pins	330
RN2	Resistor array 8 elements,9 pins	330
SW2	DIP switch 8 positions	8p
SW3	DIP switch 8 positions	8p