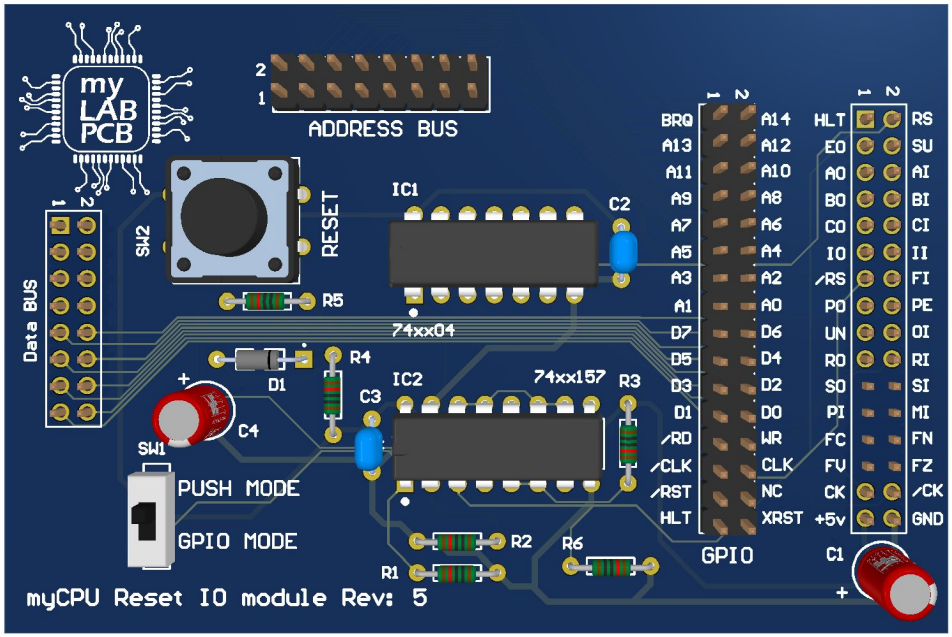
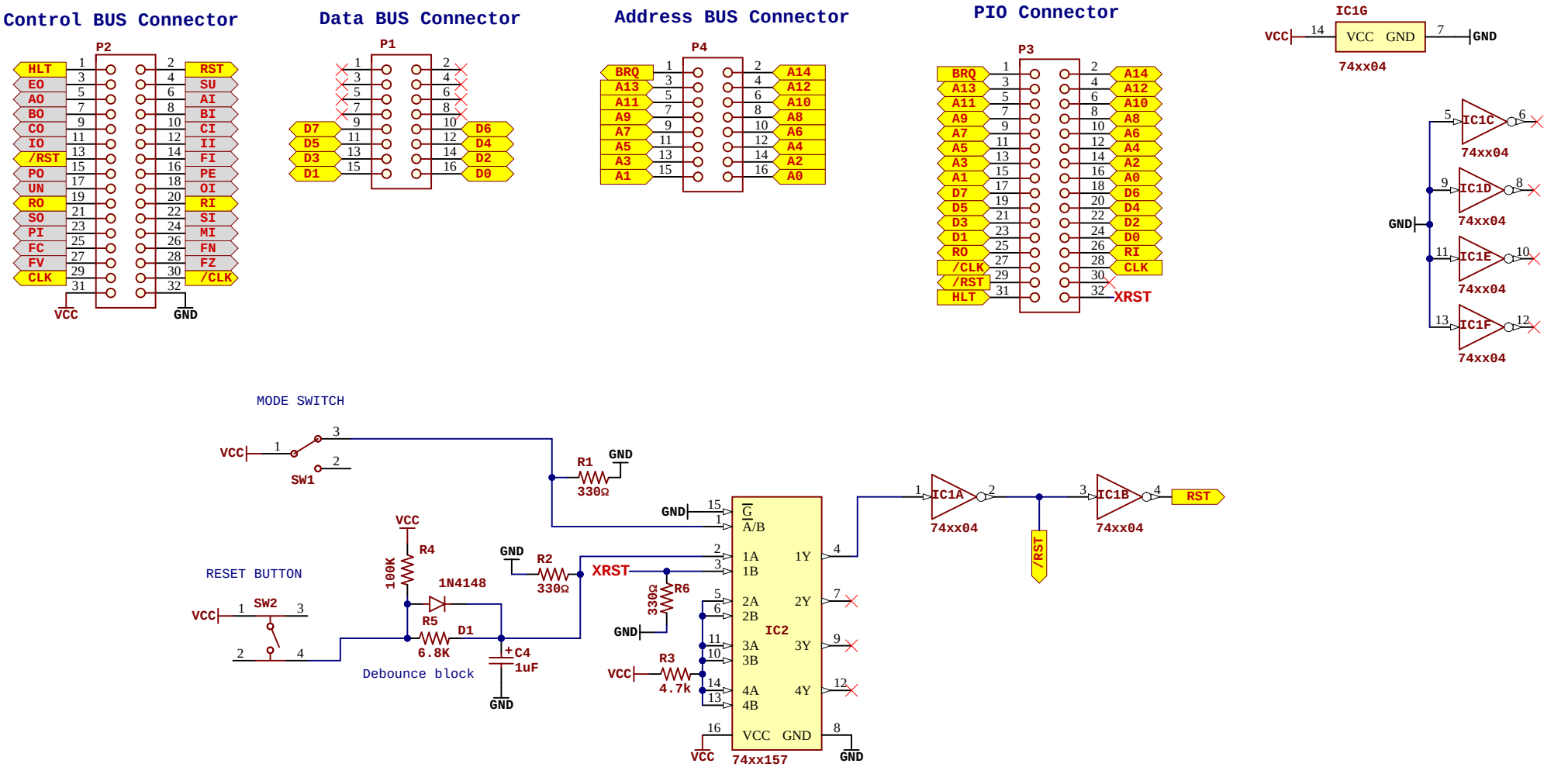
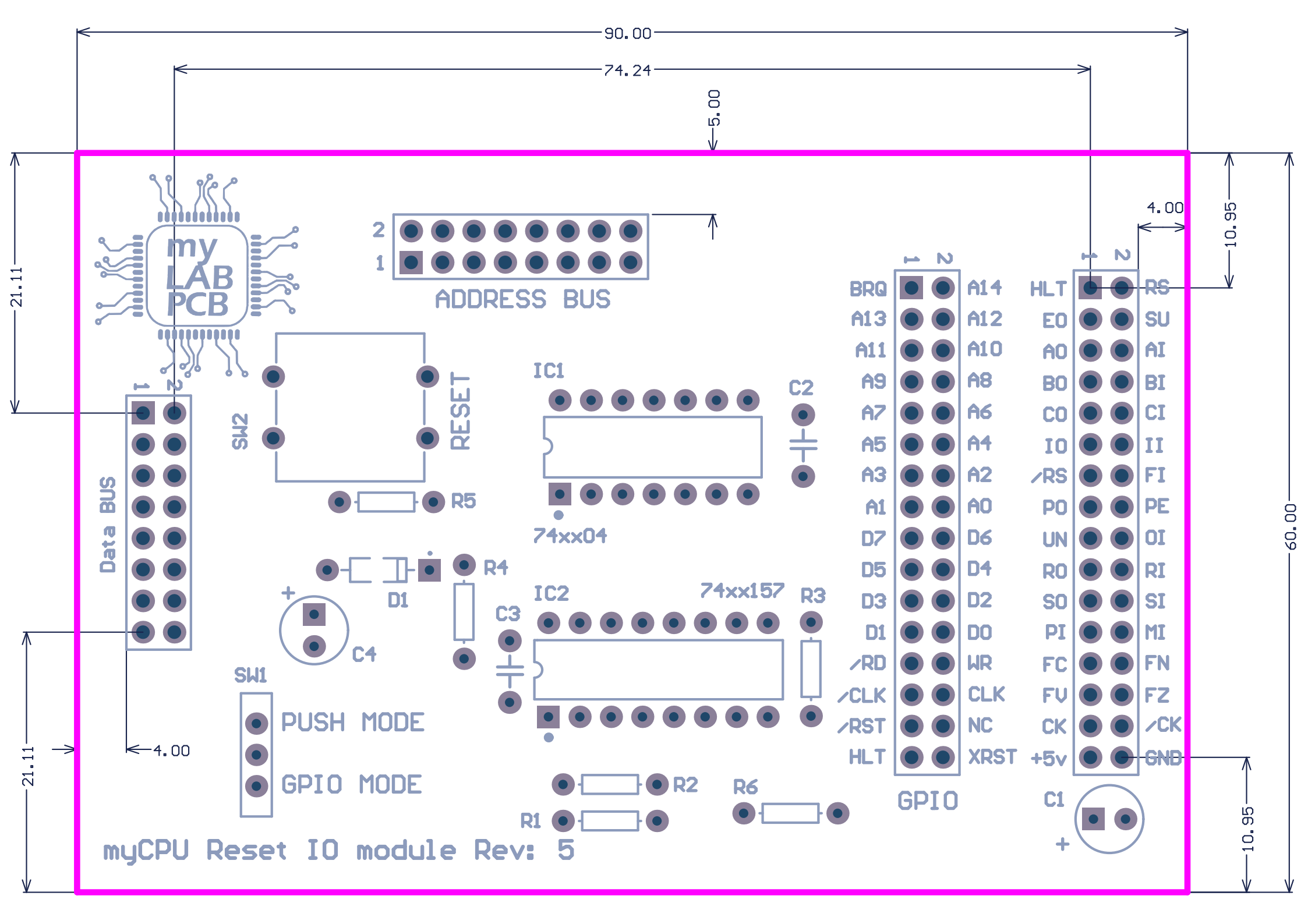
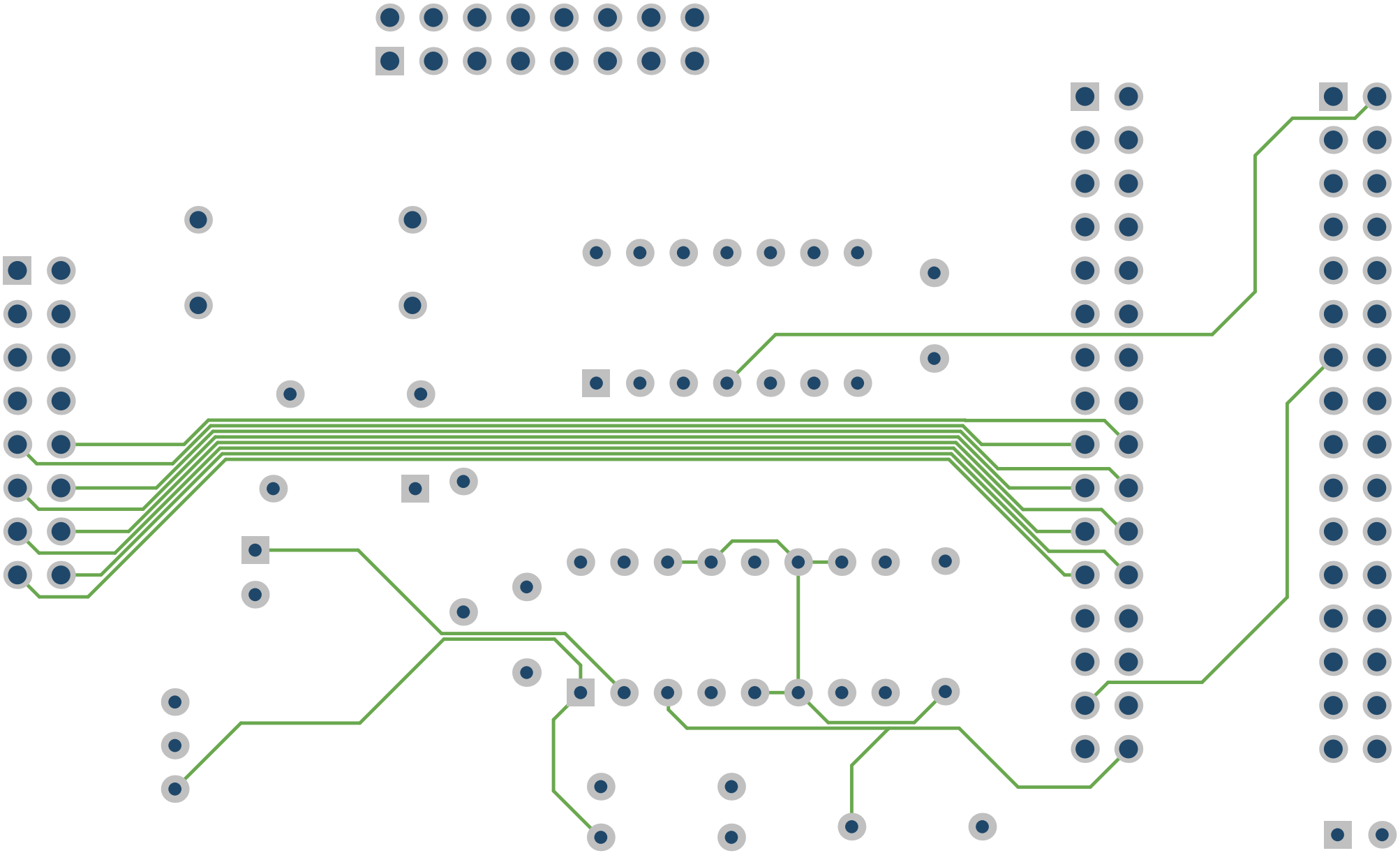
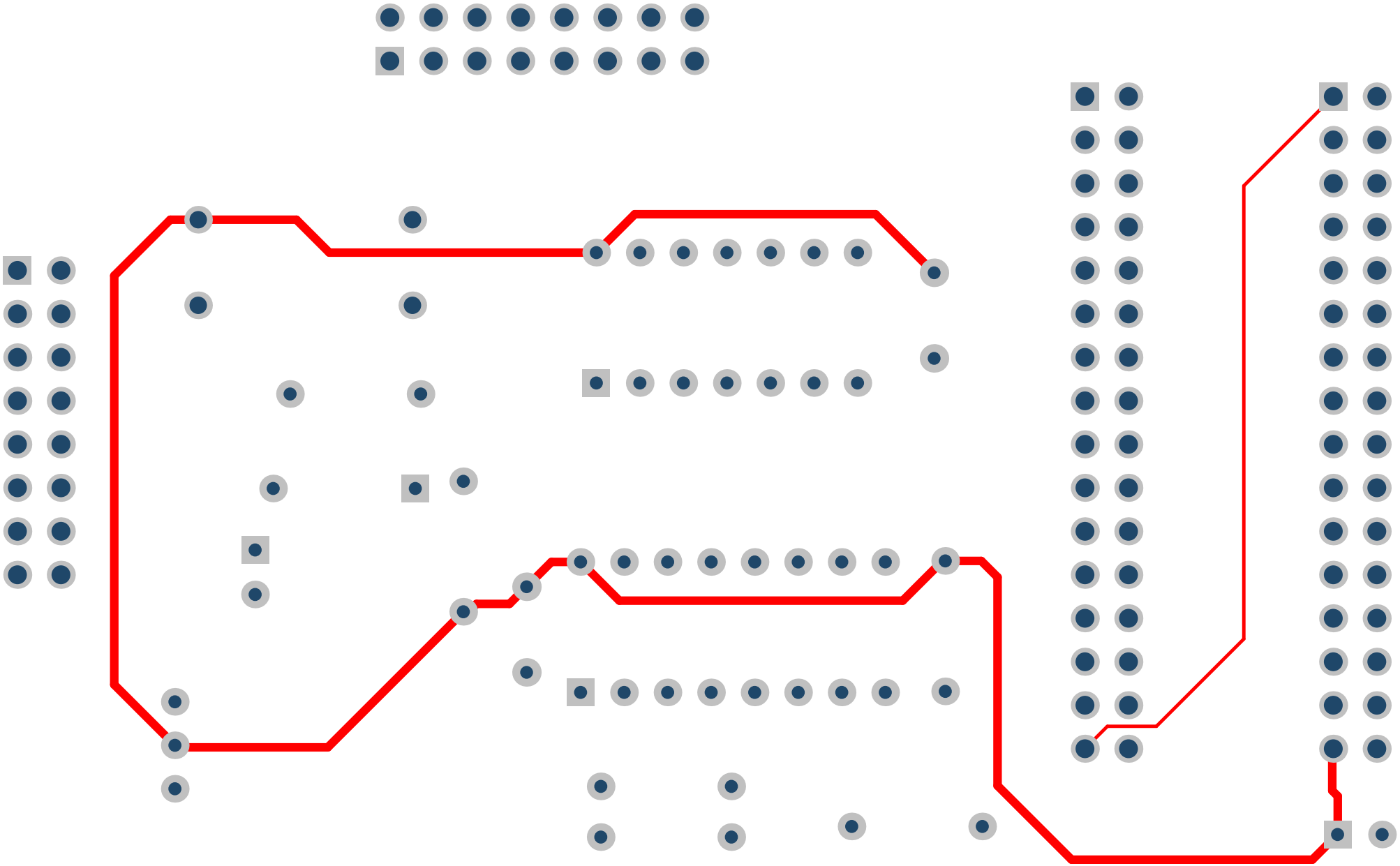

my
LAB
PCB
ADDRESS BUS
Data BUS
SW2
RESET
IC1
74xx04
C2
R5
D1
R4
C3
IC2
74xx157
R3
C4
SW1
PUSH MODE
GPIO MODE
R2
R1
R6
C1
GPIO
BRQ
A13
A11
A9
A7
A5
A3
A1
D7
D5
D3
D1
/RD
/CLK
/RST
HLT
A14
A12
A10
A8
A6
A4
A2
A0
D6
D4
D2
D0
WR
CLK
NC
XRST
+5v
HLT
EO
AO
BO
CO
IO
/RS
PO
UN
RO
SO
PI
FC
FV
CK
RS
SU
AI
BI
CI
II
FI
PE
OI
RI
SI
MI
FN
FZ
/CK
GND
myCPU Reset IO module Rev: 5

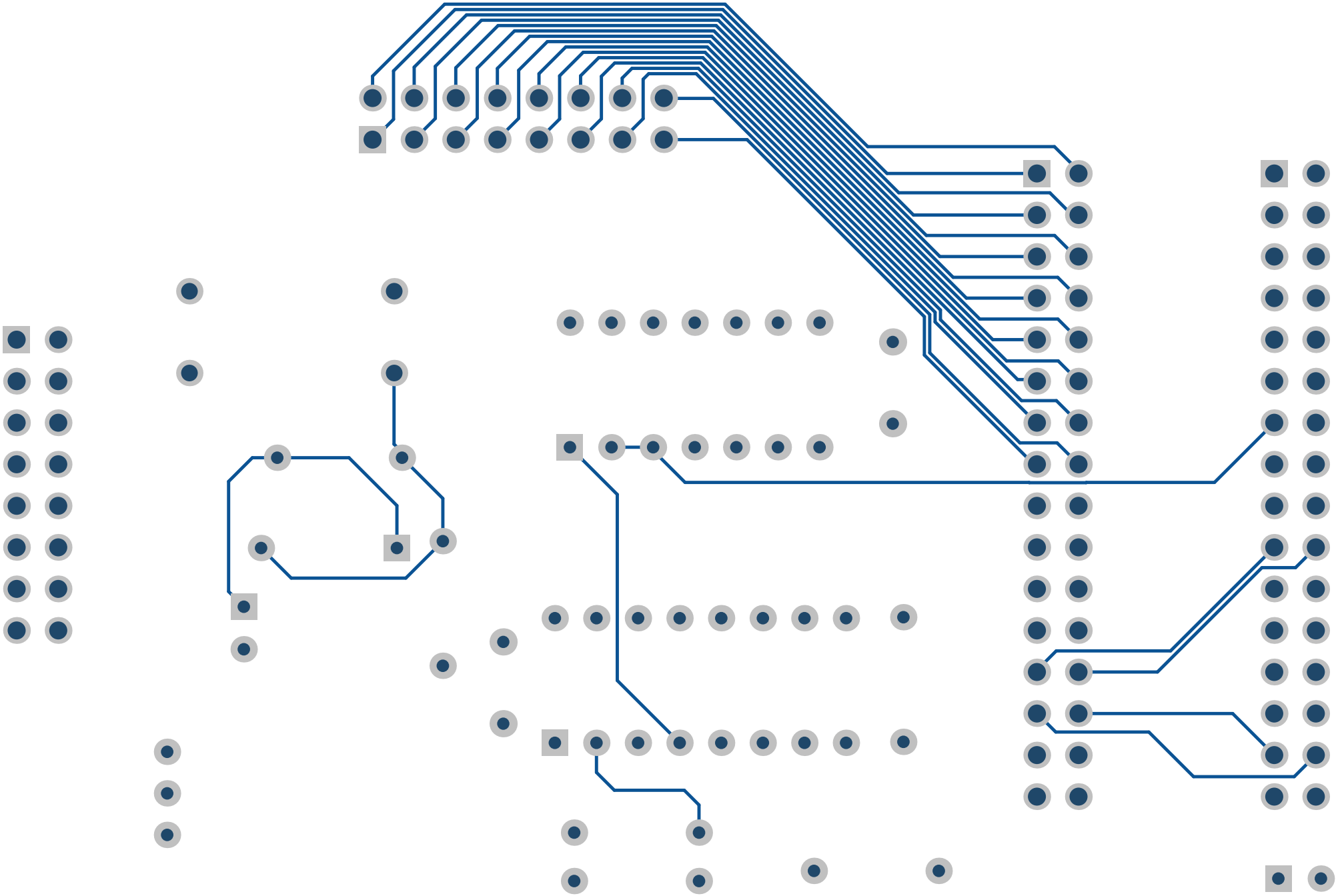


Project:	myCPU Reset IO module
Revision: 5	**Date:** 11-Jan-24
Author:	Rafa Hernández


90.00
74.24
5.00
21.11
4.00
10.95
60.00
ADDRESS BUS
Data BUS
SW2
RESET
R5
IC1
74xx04
C2
D1
R4
C4
IC2
74xx157
C3
R3
SW1
PUSH MODE
GPIO MODE
R1
R2
R6
C1
GPIO
BRQ A14
A13 A12
A11 A10
A9 A8
A7 A6
A5 A4
A3 A2
A1 A0
D7 D6
D5 D4
D3 D2
D1 D0
/RD WR
/CLK CLK
/RST NC
HLT XRST
HLT RS
EO SU
AO AI
BO BI
CO CI
IO II
/RS FI
PO PE
UN OI
RO RI
SO SI
PI MI
FC FN
FV FZ
CK /CK
+5v GND
myCPU Reset IO module Rev: 5







Bill of Materials

myCPU Reset IO module

Description	Value	Q
Electrolytic capacitor 16v/50v	10µF	1
Ceramic capacitor	100nF	2
Electrolytic capacitor 16v/50v	1uF	1
Switching Signal Diode	1N4148	1
Hex inverters	74xx04	1
4-Bits 2-Line to 1 Line data selector	74xx157	1
Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p	16p	2
Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p	32p	2
Resistor Axial	330Ω	3
Resistor Axial	4.7k	1
Resistor Axial	100K	1
Resistor Axial	6.8K	1
Mini slide switch 2 pos, 3 pins	1P2T	1
Tactile button 12 mm		1

Assembly List

myCPU Reset IO module

Designator	Description	Value
C1	Electrolytic capacitor 16v/50v	10µF
C2	Ceramic capacitor	100nF
C3	Ceramic capacitor	100nF
C4	Electrolytic capacitor 16v/50v	1uF
D1	Switching Signal Diode	1N4148
IC1	Hex inverters	74xx04
IC2	4-Bits 2-Line to 1 Line data selector	74xx157
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p	16p
P2	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p	32p
P3	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p	32p
P4	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p	16p
R1	Resistor Axial	330Ω
R2	Resistor Axial	330Ω
R3	Resistor Axial	4.7k
R4	Resistor Axial	100K
R5	Resistor Axial	6.8K
R6	Resistor Axial	330Ω
SW1	Mini slide switch 2 pos, 3 pins	1P2T
SW2	Tactile button 12 mm	