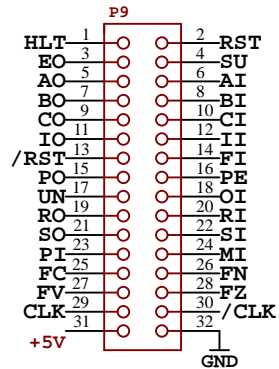
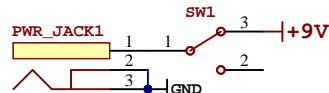
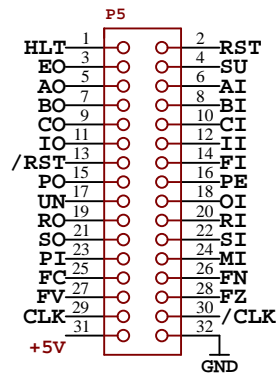


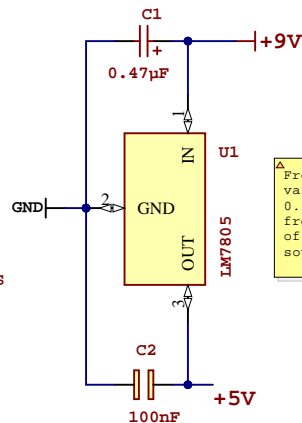
Right Connector - Control BUS



Left Connector - Control BUS



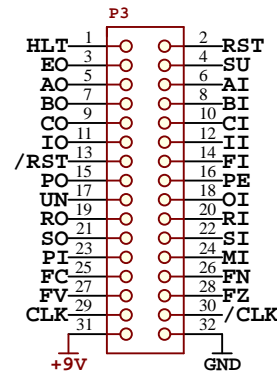
Power Supply



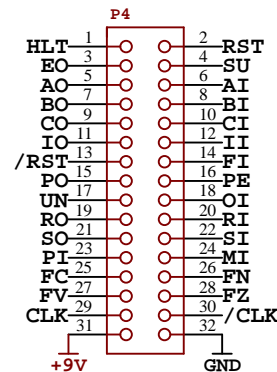
+5v Voltage Regulator

Free to choose your preferred value for C1 a low value from 0.33µF to 1µF or a high value from 47µF to 220µF depending of the quality of the power source.

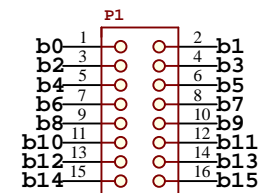
Bottom Pin Header - Control BUS



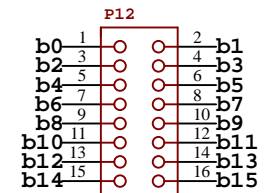
Top Socket Header - Control BUS



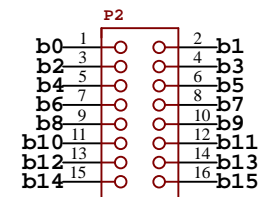
Bottom Pin Header - Data BUS



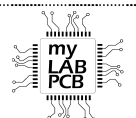
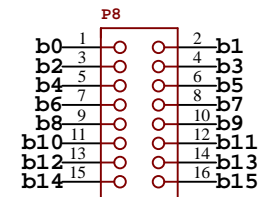
Left Connector - Data BUS



Top Socket Header - Data BUS



Right Connector - Data BUS

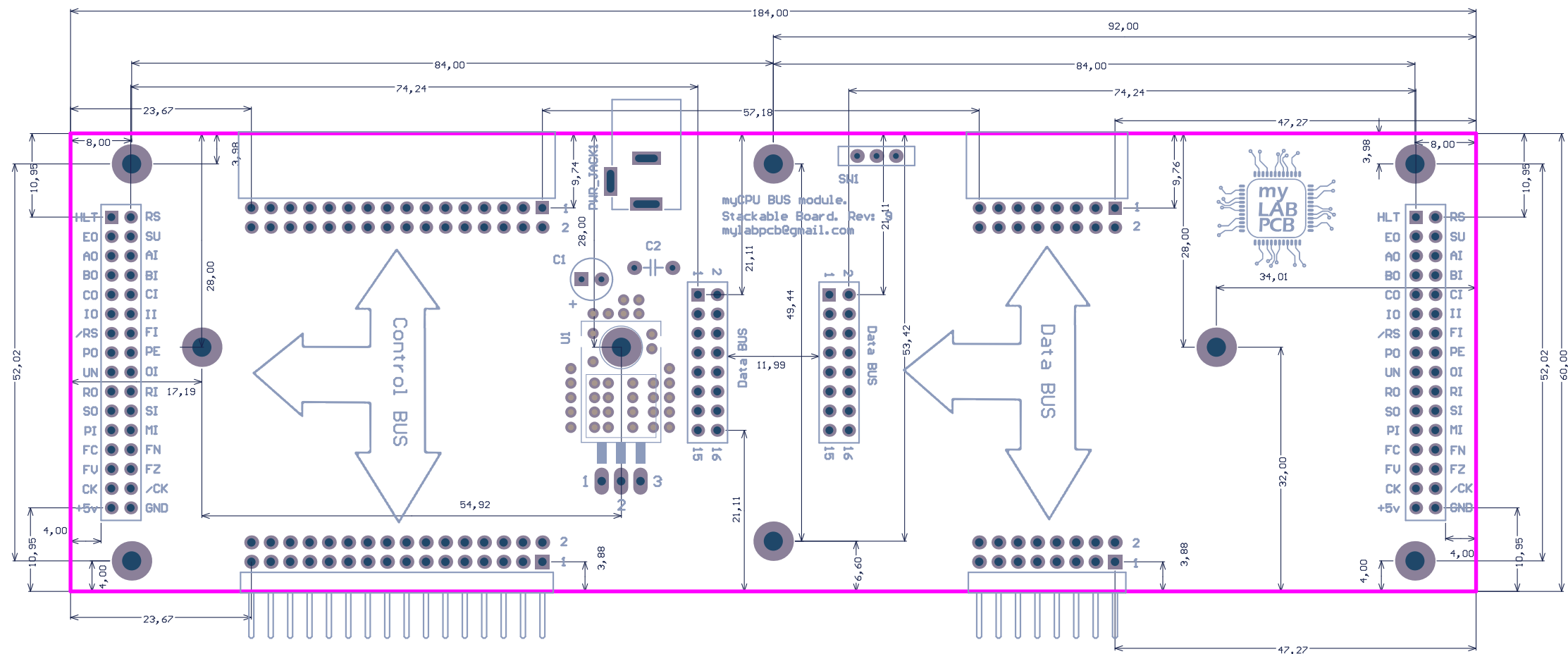


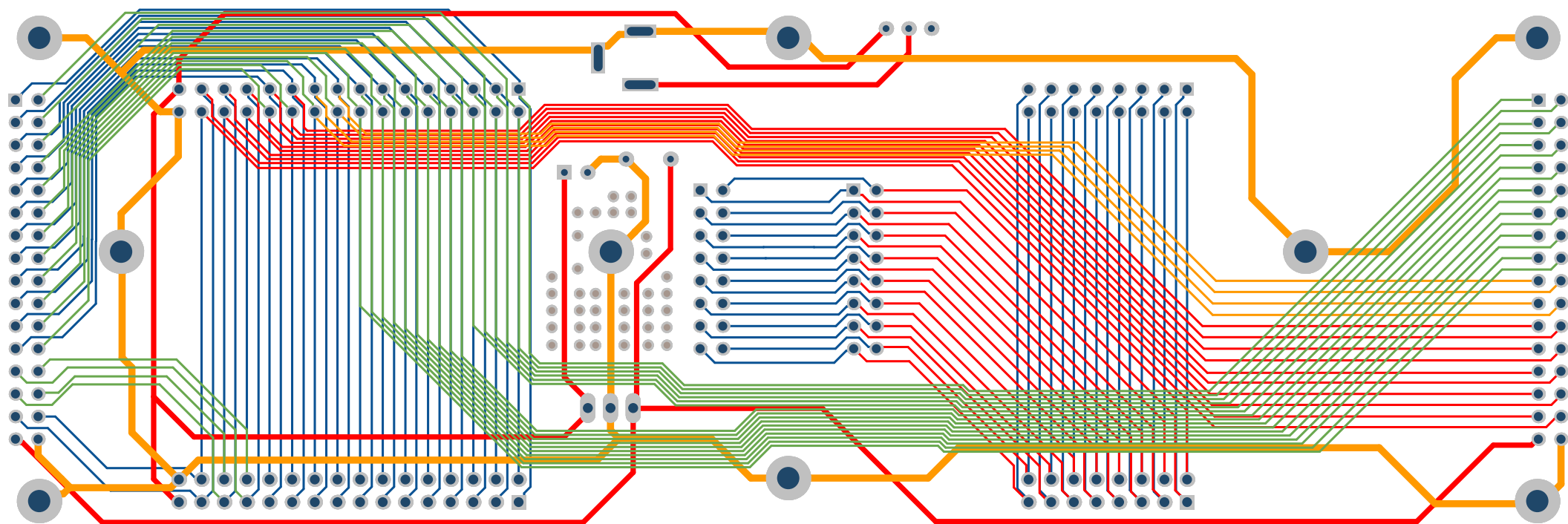
Project: myCPU BUS PowerSupply module

Revision: 9

Date: 14/10/2022

Author: Rafa Hernández







Bill of Materials

Designator	Description	Value	Q
C1	Electrolytic capacitor 16v/50v	0.47μF	1
C2	Ceramic capacitor	100nF	1
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Angled, 16p	16p	1
P2	Socket Header, THT, pitch 2.54mm, Dual Row, Angled, 16p	16p	1
P3	Pin Header, THT, pitch 2.54mm, Dual Row, Angled, 32p	32p	1
P4	Socket Header, THT, pitch 2.54mm, Dual Row, Angled, 32p	32p	1
P5, P9	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p	32p	2
P8, P12	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p	16p	2
PWR_JACK1	DC Power Jack, 2 mm Center Pin, 3 Position, THT Right Angle		1
SW1	Mini slide switch 2 pos, 3 pins	3p	1
U1	5v/1-1.5A Voltage Regulator		1



Assembly List

Designator	Description	Value
C1	Electrolytic capacitor 16v/50v	0.47 μ F
C2	Ceramic capacitor	100nF
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Angled, 16p	16p
P2	Socket Header, THT, pitch 2.54mm, Dual Row, Angled, 16p	16p
P3	Pin Header, THT, pitch 2.54mm, Dual Row, Angled, 32p	32p
P4	Socket Header, THT, pitch 2.54mm, Dual Row, Angled, 32p	32p
P5	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p	32p
P8	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p	16p
P9	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p	32p
P12	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p	16p
PWR_JACK1	DC Power Jack, 2 mm Center Pin, 3 Position, THT Right Angle	
SW1	Mini slide switch 2 pos, 3 pins	3p
U1	5v/1-1.5A Voltage Regulator	