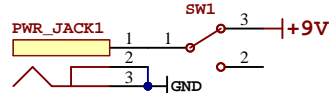
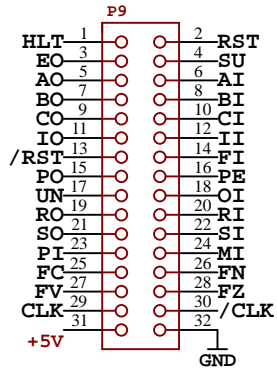
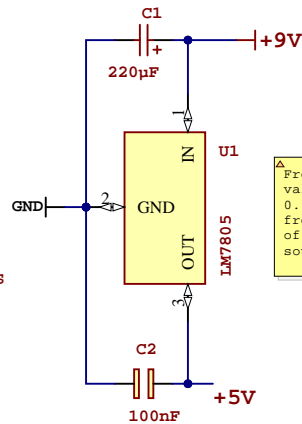


Right Connector - Control BUS



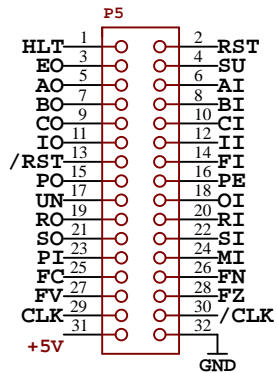
Power Supply



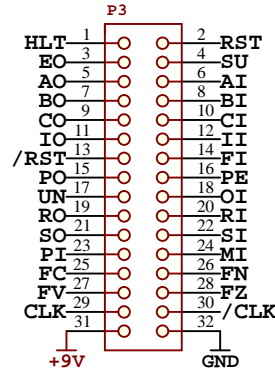
+5v Voltage Regulator

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

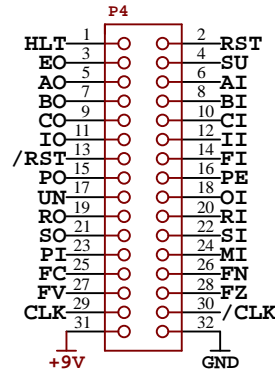
Left Connector - Control BUS



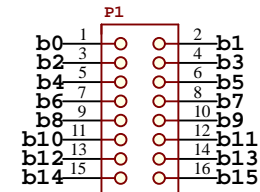
Bottom Pin Header - Control BUS



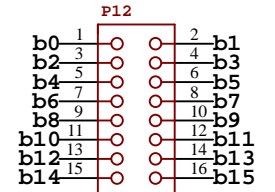
Top Socket Header - Control BUS



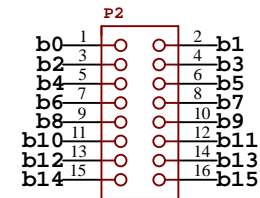
Bottom Pin Header - Data BUS



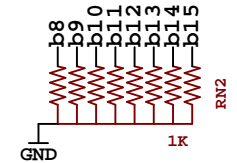
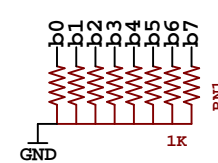
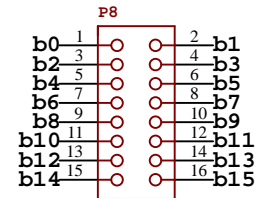
Left Connector - Data BUS



Top Socket Header - Data BUS



Right Connector - Data BUS

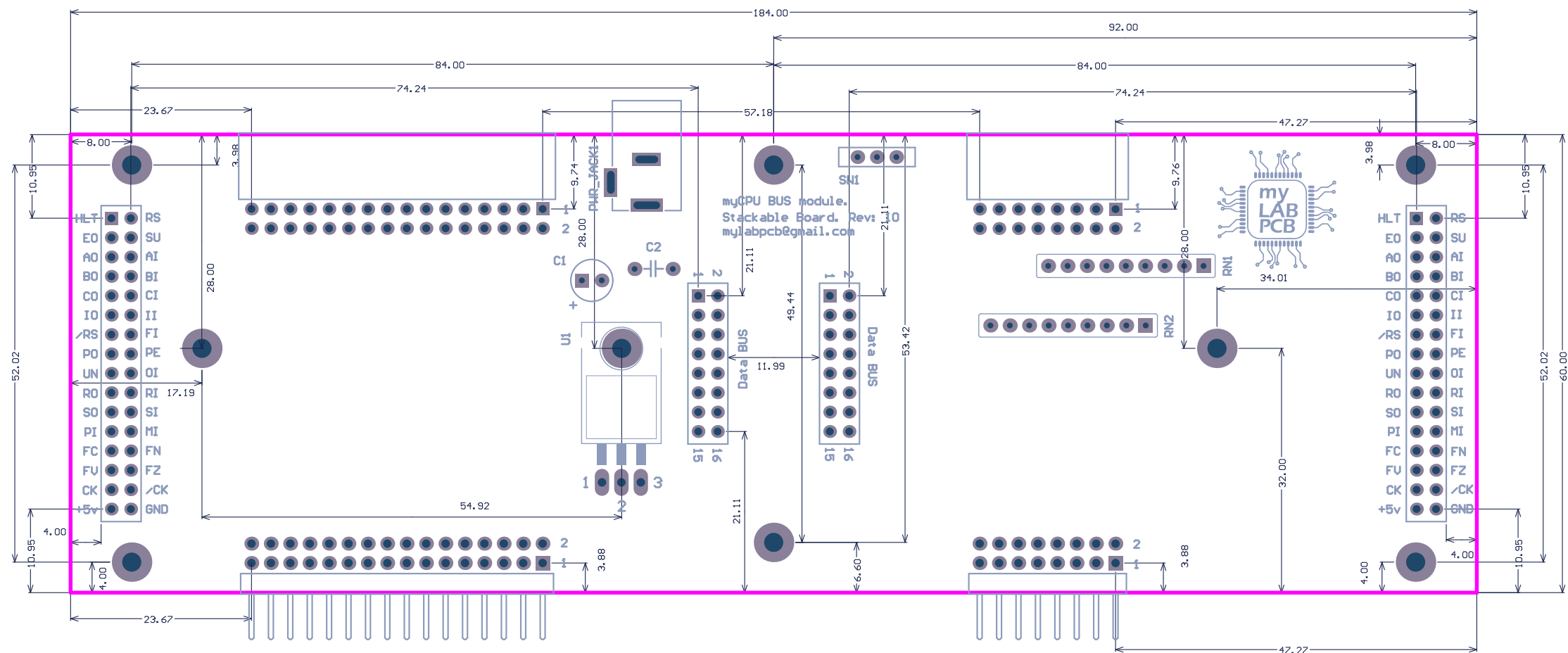


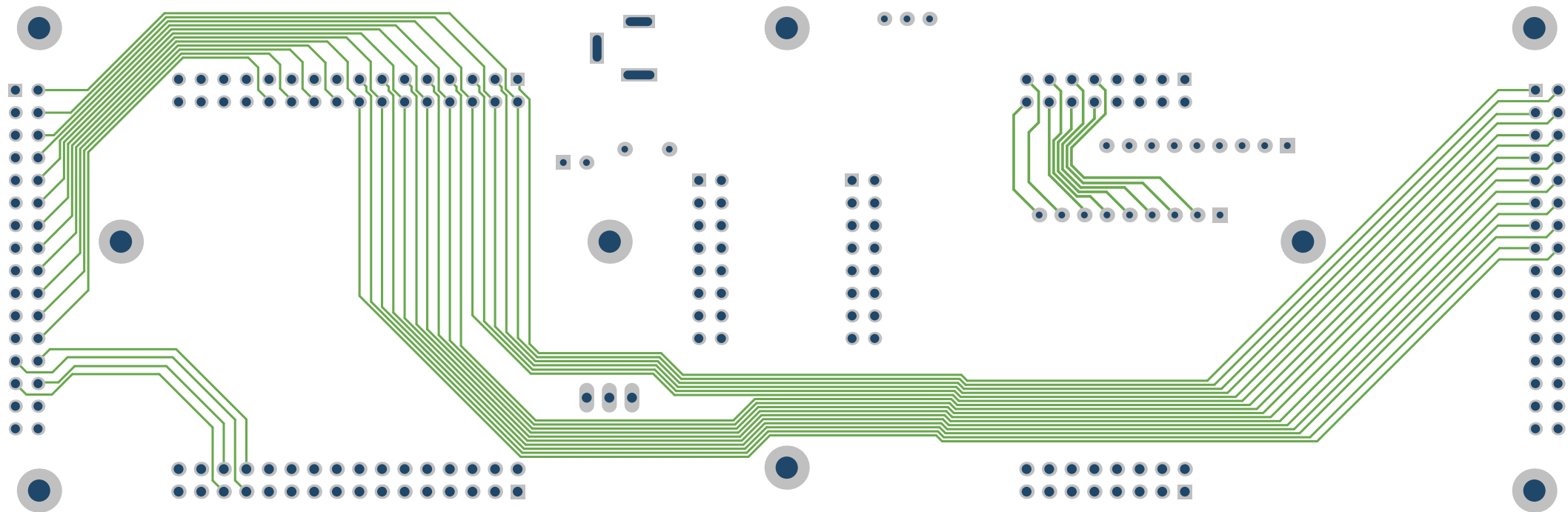
Project: myCPU BUS PowerSupply module

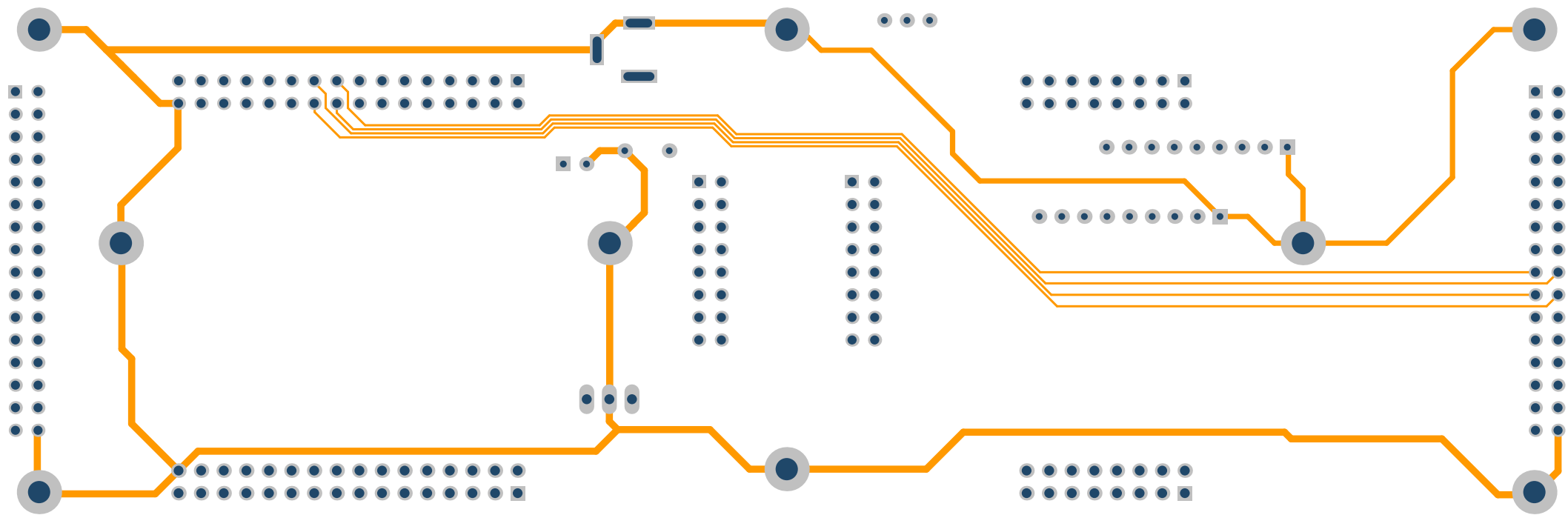
Revision: 10

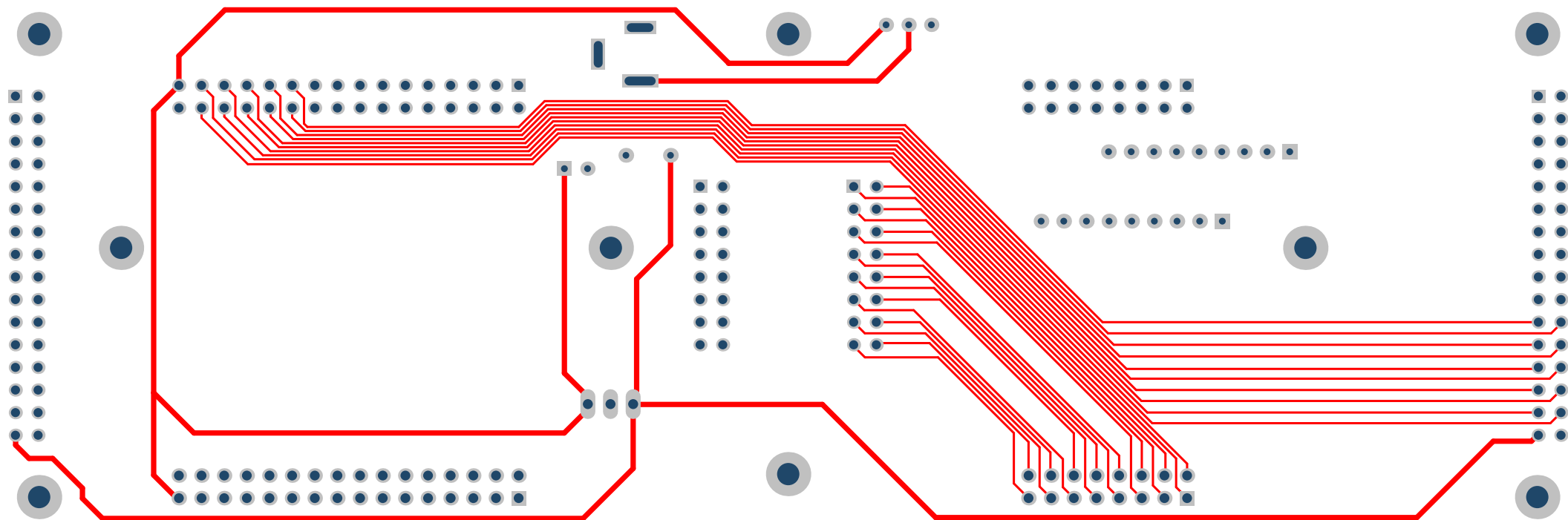
Date: 02-Jun-23

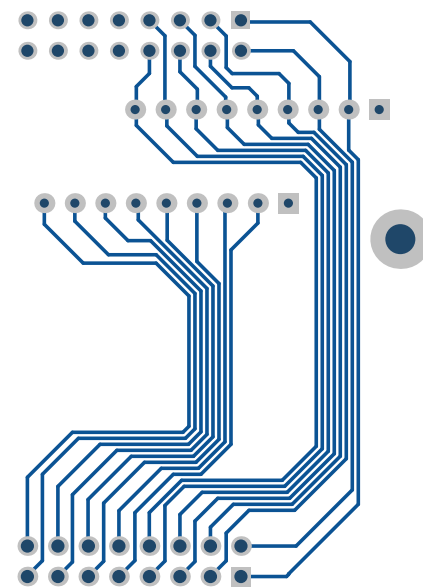
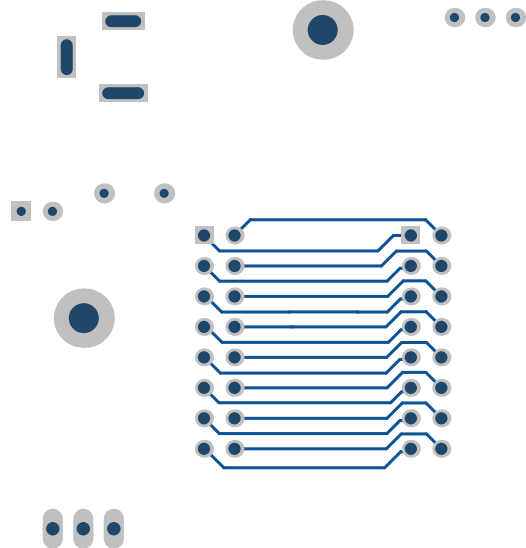
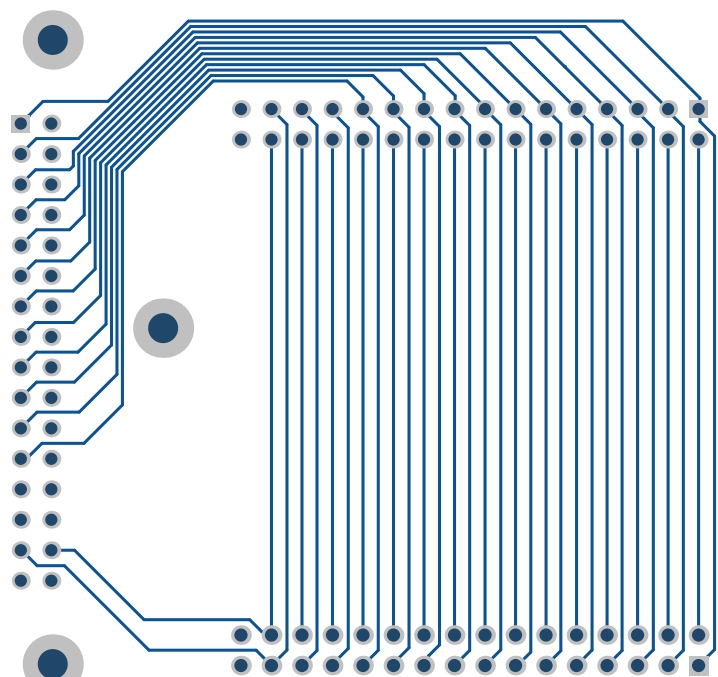
Author: Rafa Hernández







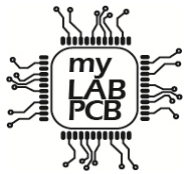






Bill of Materials

| Designator | Description | Value | Q |
|------------|---|-------|---|
| C1 | Electrolytic capacitor 16v/50v | 220µF | 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 |
| RN1, RN2 | Resistor array 8 elements, 9 pins | 1K | 2 |
| 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 | 220μF |
| 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 | |
| RN1 | Resistor array 8 elements,9 pins | 1K |
| RN2 | Resistor array 8 elements,9 pins | 1K |
| SW1 | Mini slide switch 2 pos, 3 pins | 3p |
| U1 | 5v/1-1.5A Voltage Regulator | |