

This board is handmade: except for the cost of components, every cent will be reinvested to improve the FabGL library, applications and to produce even better boards.

Here are some instructions on how to get started.

1) Install the current upstream Arduino IDE at the 1.8 level or later. The current version is at the arduino.cc website.

2) Start Arduino and open the **Preferences** window.

3) Into **Additional Board Manager URLs** field enter:

"https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json"

4) Open Boards Manager from **Tools > Boards Manager...** menu and install **esp32** platform

5) From **Tools** menu select the board "**ESP32 Dev Module**". In the board menu, set following parameters:

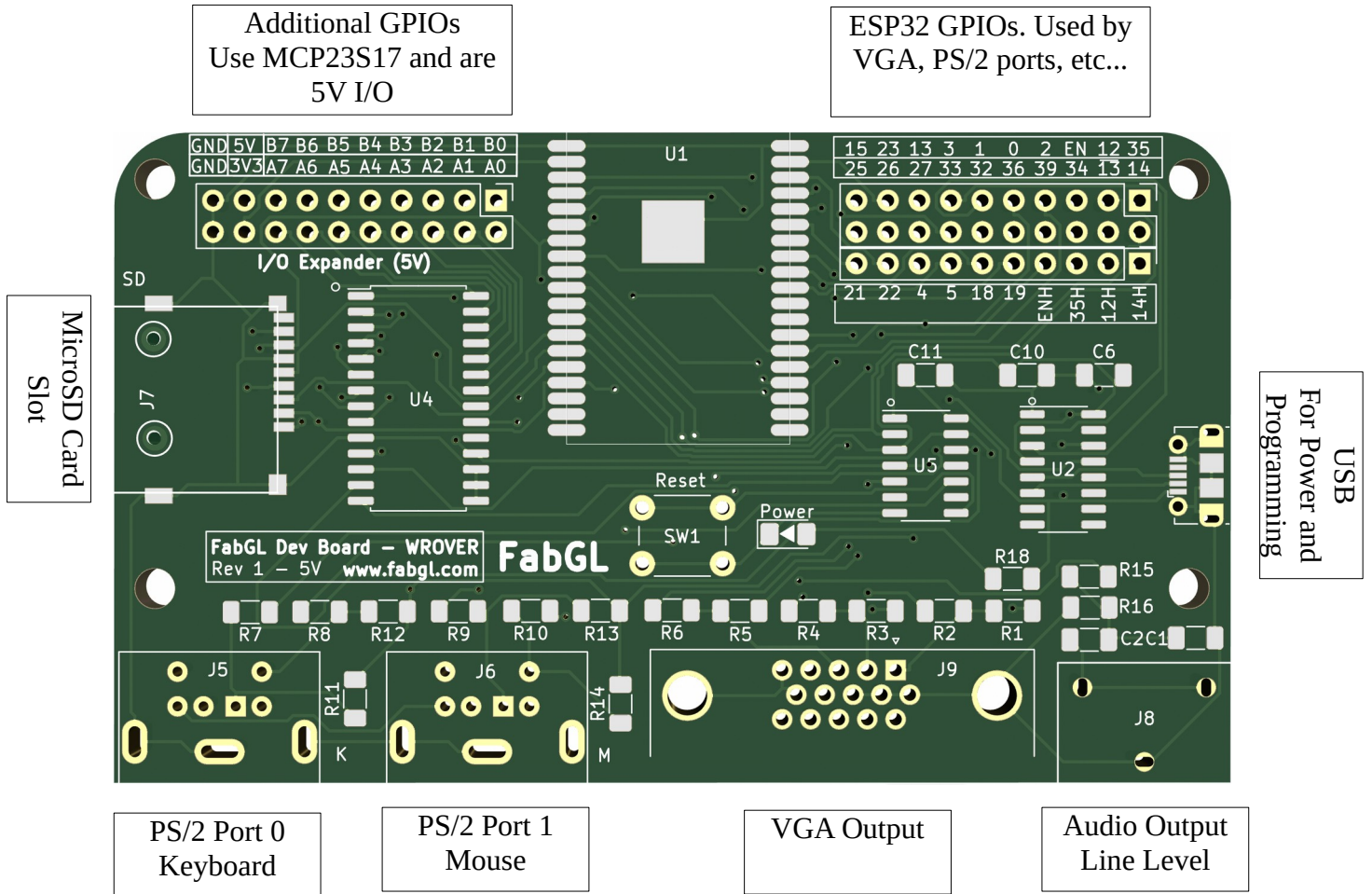
- Upload speed: **460800**
- Partition Scheme: **Huge App**

6) Open **Tools > Manage Libraries** menu and install **fabgl** library.

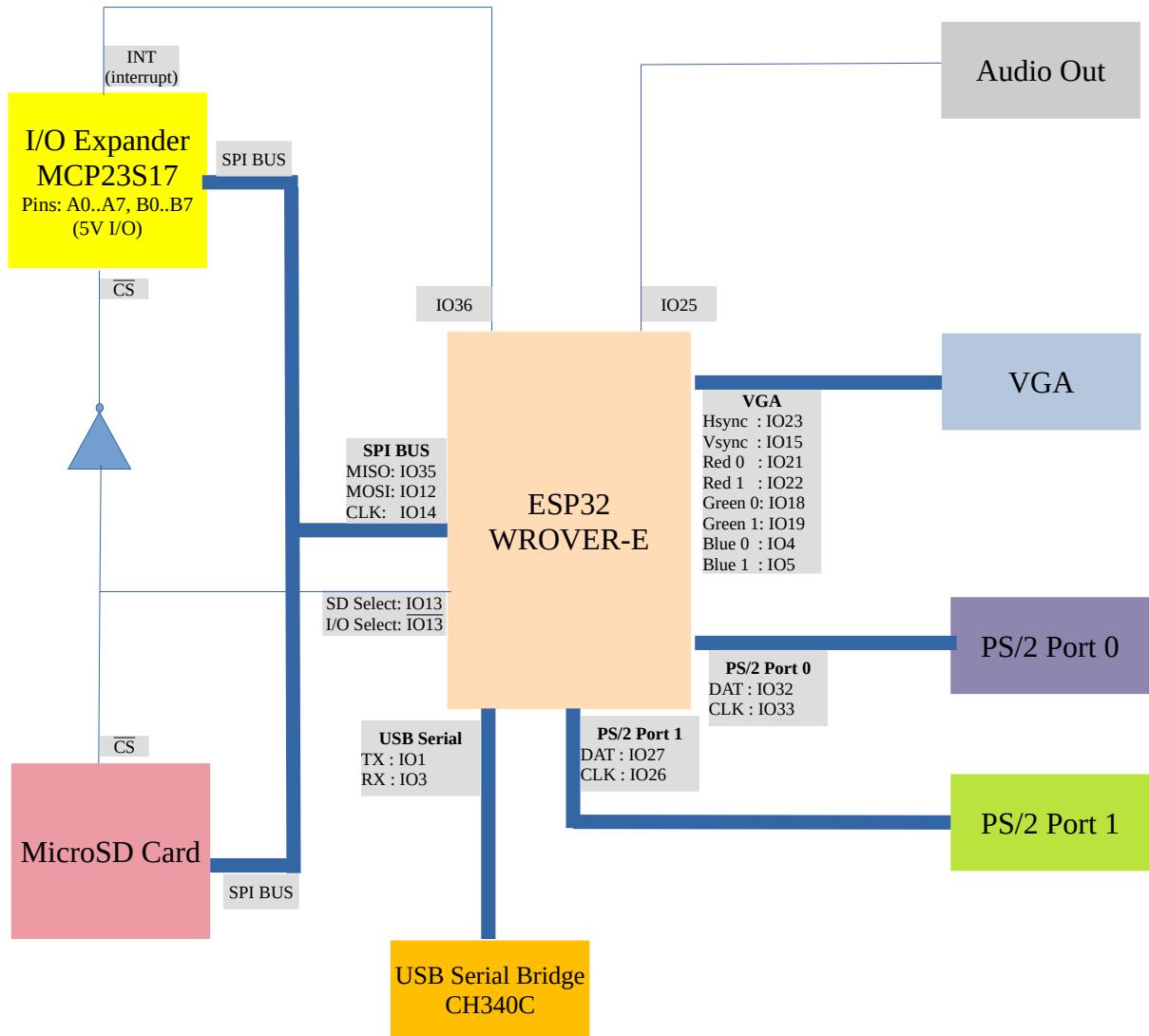
7) Restart Arduino IDE.

8) Open **File > Examples > FabGL** menu to select one of the FabGL examples.

The Board

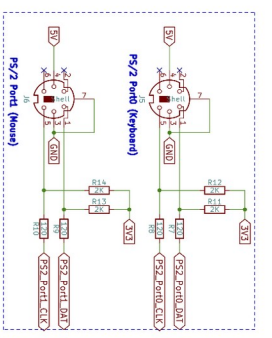
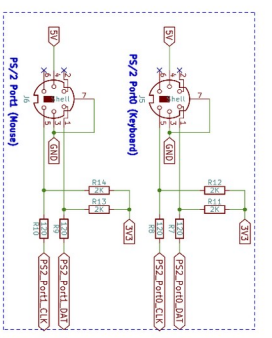
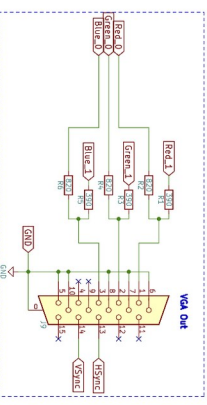
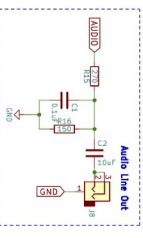
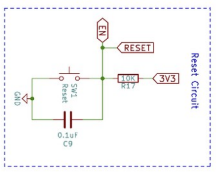
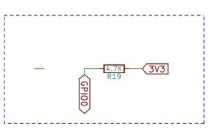
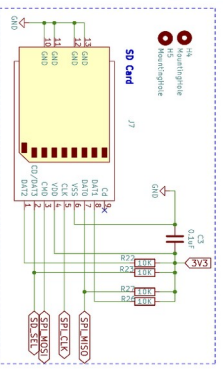
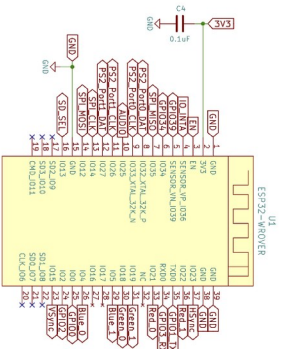
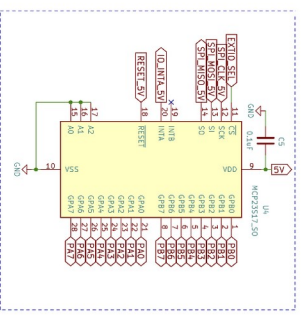
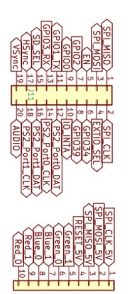
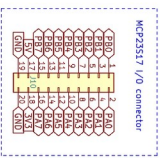
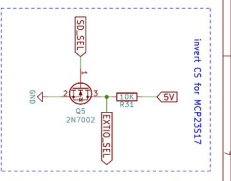
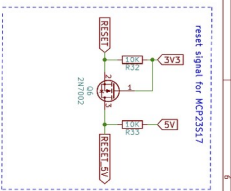
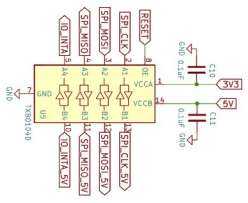
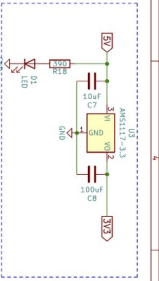
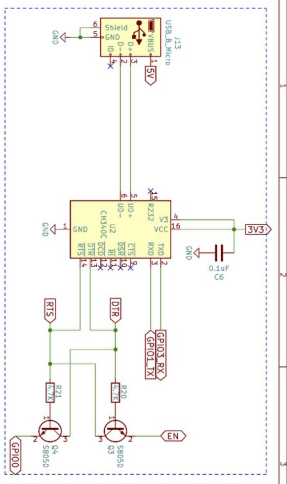


Block Diagram and GPIO Assignments



References

- Library Source Code: <https://github.com/fdivitto/FabGL>
- Library Documentation: <http://www.fabgl.com>
- YouTube Channel: <https://www.youtube.com/c/fdivitto/videos>
- Install Tutorial: <https://www.youtube.com/watch?v=upgogkPwG6E>



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Fabrizio Di Vittorio - WROVER - 5V
Sheet: 1
Date: 5 May 2022
Title: PCB layout
Rev: 1
Kicad EDA Hard (6.0.~0)