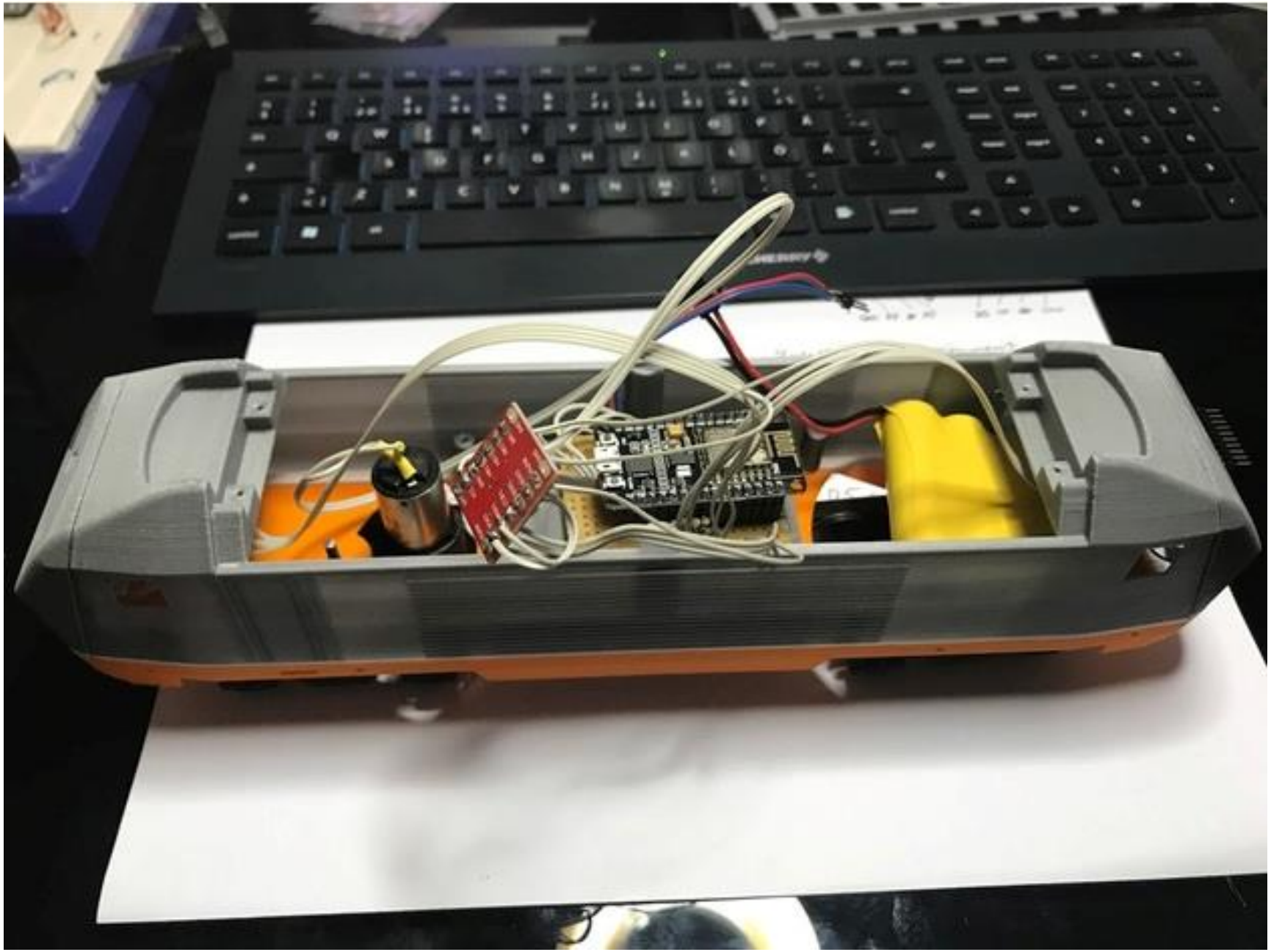
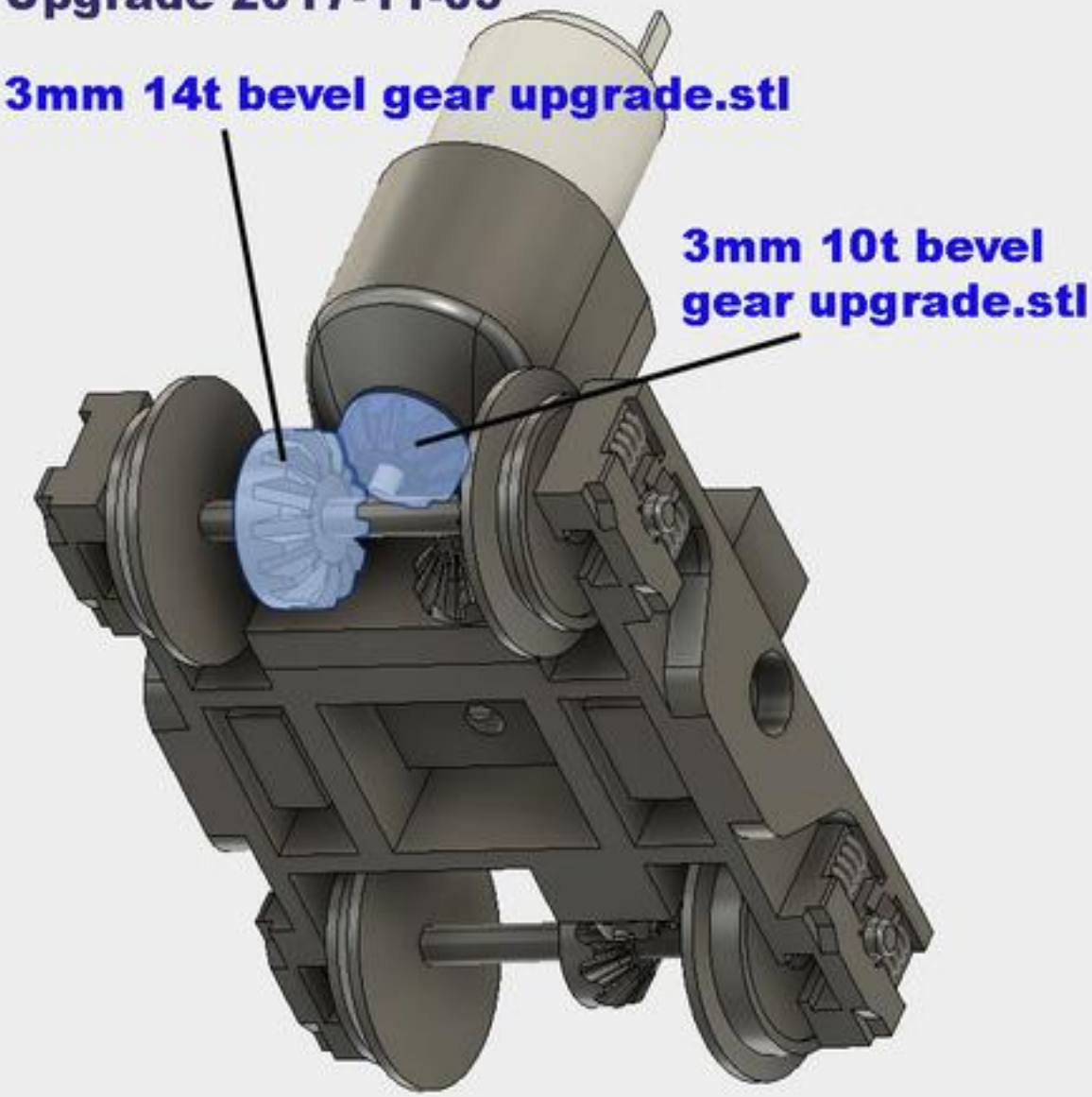
第一阶段作业

造火车

Wi Fi
Built in web server
ARDUINO

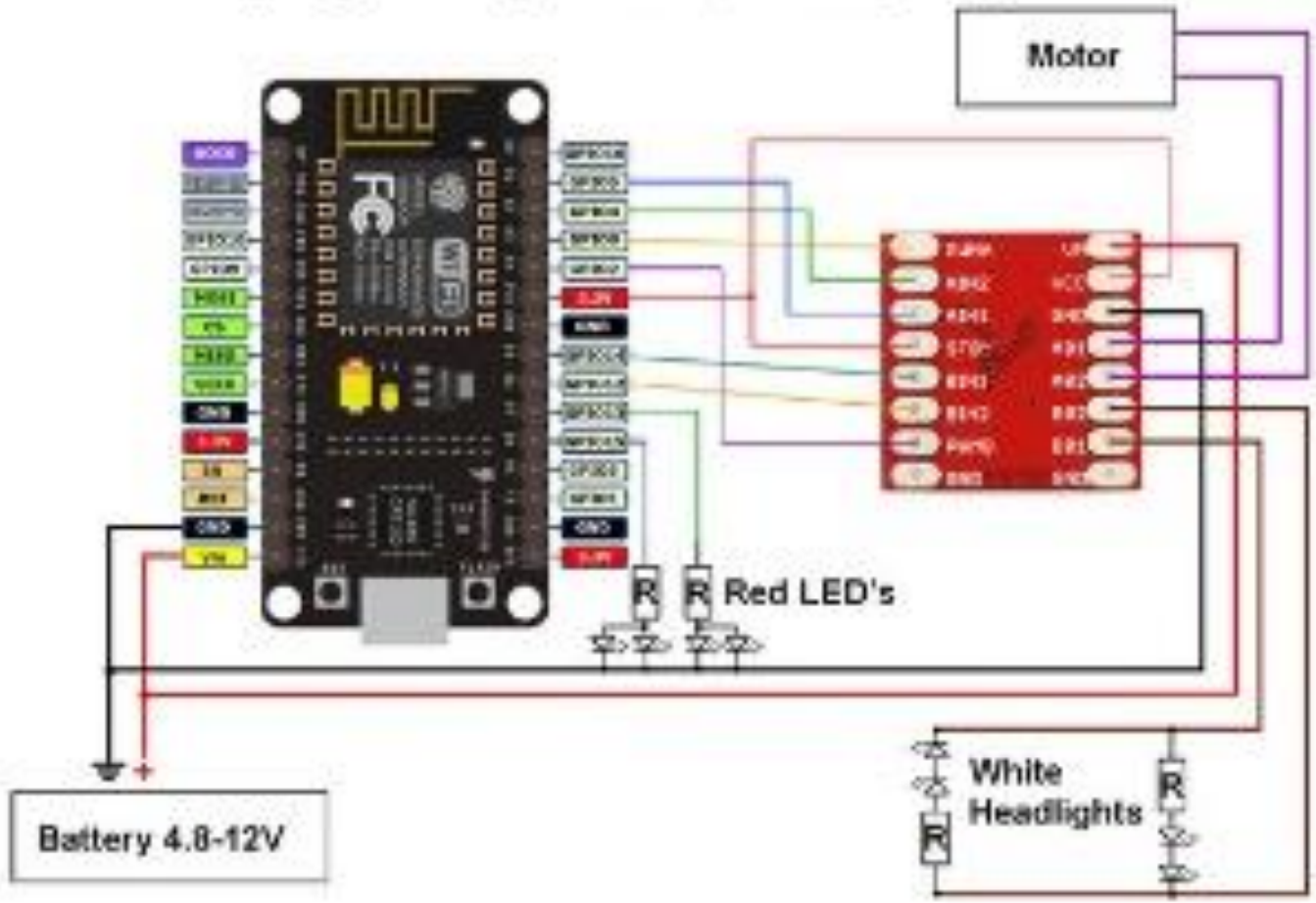


Upgrade 2017-11-05



OS-Railway Wifi NodeMCU schematic

This schematic can be used for any of the OS-Railway locomotives. Adapt the number of LED's. The resistor values need to be adapted to the LED's of choice. Connect everything BEFORE you instal it, to check polarity for motor and LED's.



ESP8266

低功耗、高集成度的 Wi-Fi 芯片

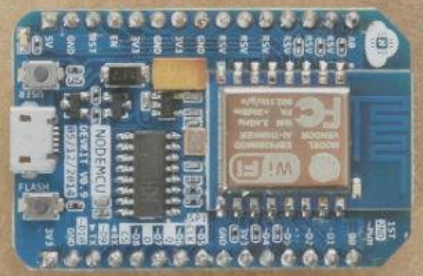
仅需 7 个外围元器件

超宽工作温度范围：-40°C 至 +125°C

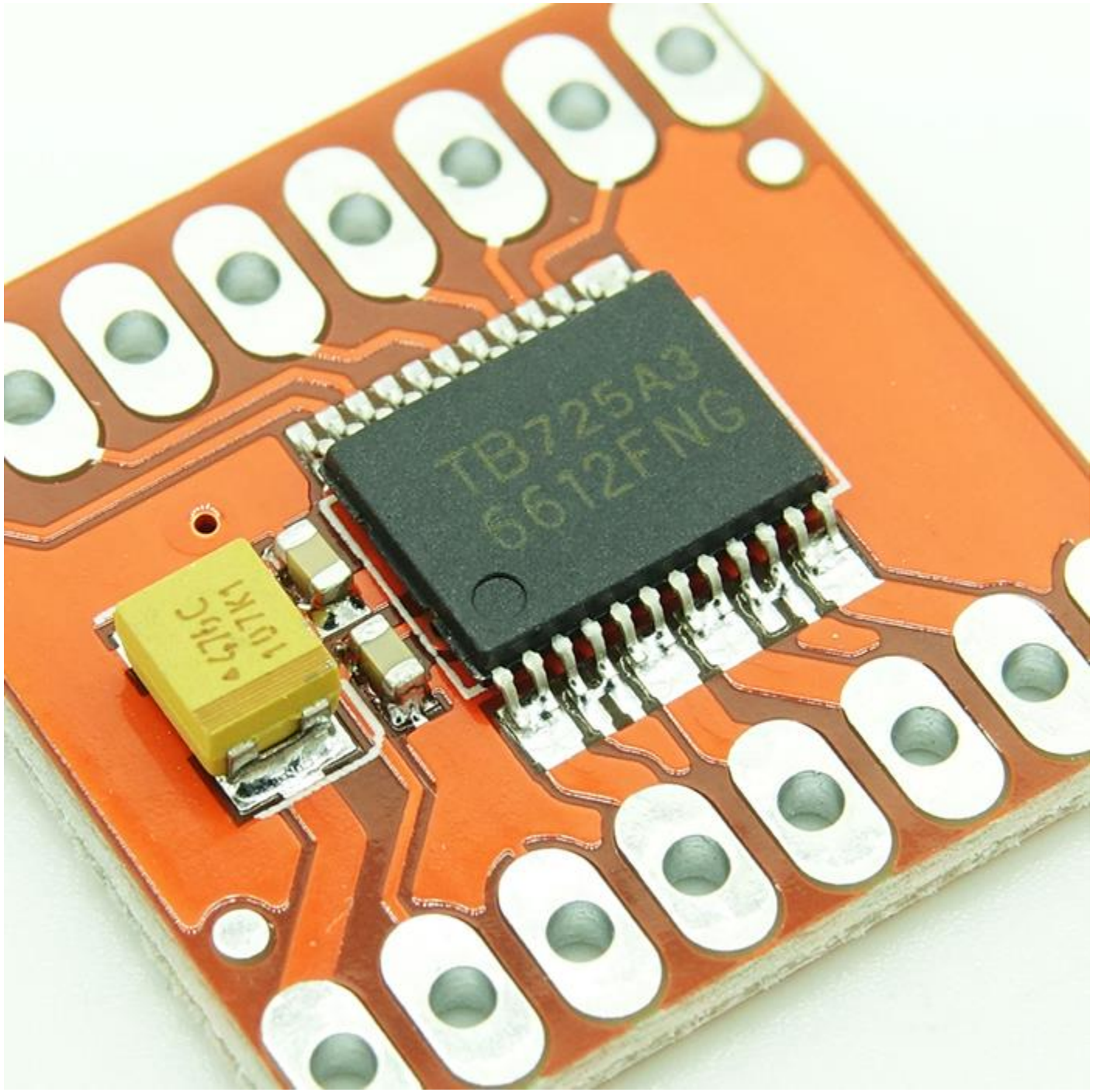
ESP8285 - ESP8266 内封 8 Mbit Flash

https://github.com/esp8266/Arduino

NodeMCU



TB6612FNG
motor driver



3D打印问题

- 翘
- 调平
- 填充率（材料密度）
- 尺寸
- 支撑

控制

- 8266
- 安装core support
- Blink
- 测试程序
- 驱动板

https://github.com/esp8266/Arduino

Installing with Boards Manager

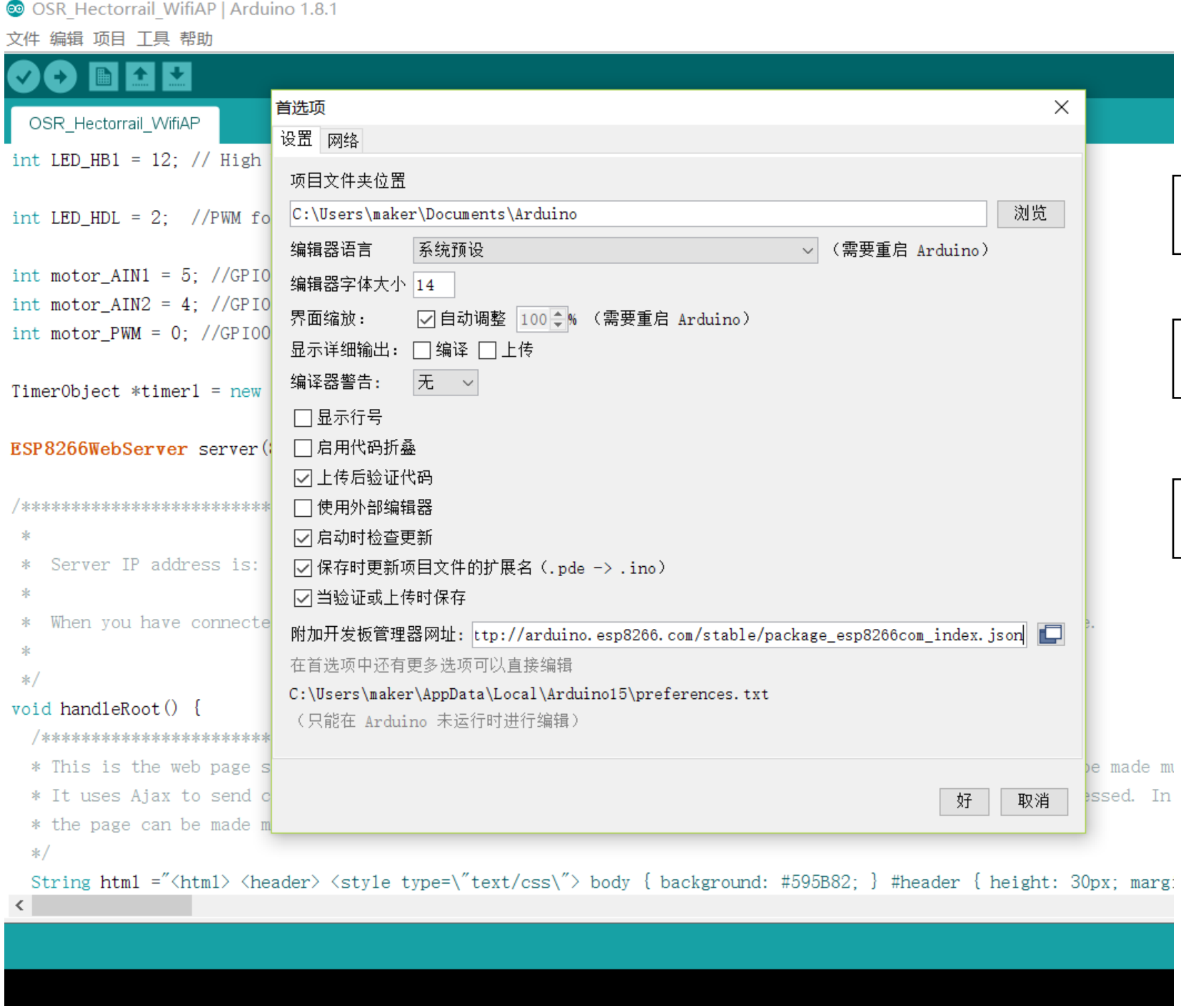
Starting with 1.6.4, Arduino allows installation of third-party platform packages using Boards Manager. We have packages available for Windows, Mac OS, and Linux (32 and 64 bit).

•Install the current upstream Arduino IDE at the 1.8 level or later. The current version is at the Arduino website.

•Start Arduino and open Preferences window.

•Enter http://arduino.esp8266.com/stable/package_esp8266com_index.json into *Additional Board Manager URLs* field. You can add multiple URLs, separating them with commas.

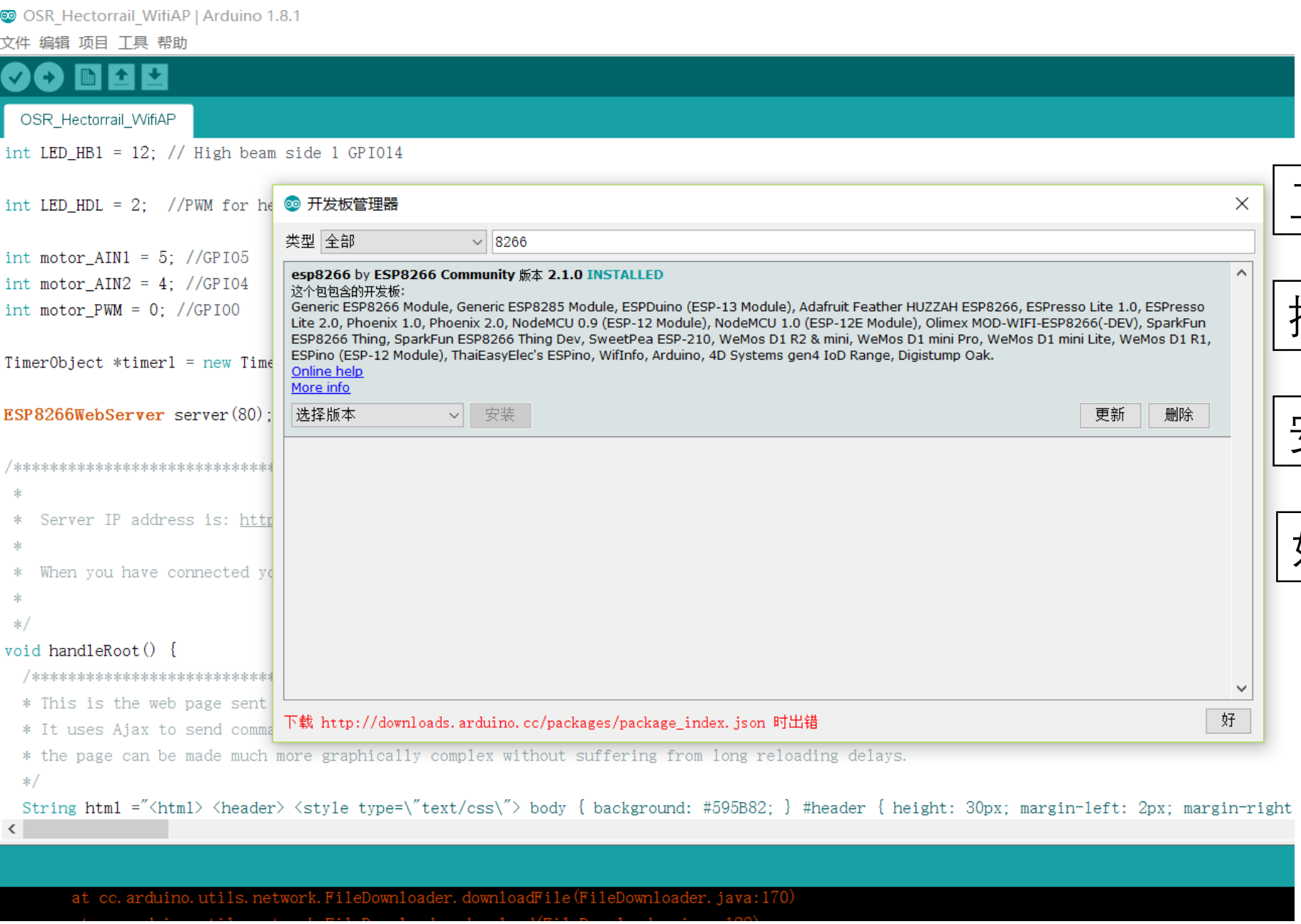
•Open Boards Manager from Tools > Board menu and install *esp8266* platform (and don't forget to select your ESP8266 board from Tools > Board menu after installation).



文件/首选项/

附加开发板管理器网址

好



工具/开发板/开发板管理器

搜索8266

安装

好