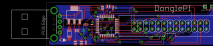


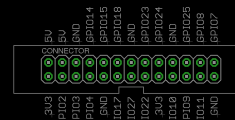
[Planned for V1.0]



DonglePi
features



RPi B Compatible GPIO Connector



USB 2 CDC peripheral (no extra driver needed)

10010110011



Drop in replacement Python libraries

```
import DPi.GPIO as GPIO
import DPi.smbus as smbus
import DPi.spidev as spidev
import DPi.pyserial as pyserial
```

Specifications

- 2ms latency on GPIOs
- multiplexed SPI, I²C and UART access
- hardware PWM
- 2 configurable LEDs for feedback
- low consumption (target at 33 mW, leaving 2400 mW+ to the add-on)
- Fool proofed against wiring mistakes (fuse)
- Open HW, FW and SW for community custom apps & contribs.

Possible Applications

- Comfortable Raspberry Pi **development** environment (Pycharm, local debugger, ...)
- Deploy Raspberry Pi applications cheaply on **Mini PCs** (alternative to clones like BananaPi)
- RPi project on **Android** (w/ OTG)
- RPi project on **Chrome** and Chrome OS (w/ chrome.serial)

Room for future improvements

SW / C, Java, JS libraries, emulated devices

HW / USB3 (30µs latency), B+ connector, ...