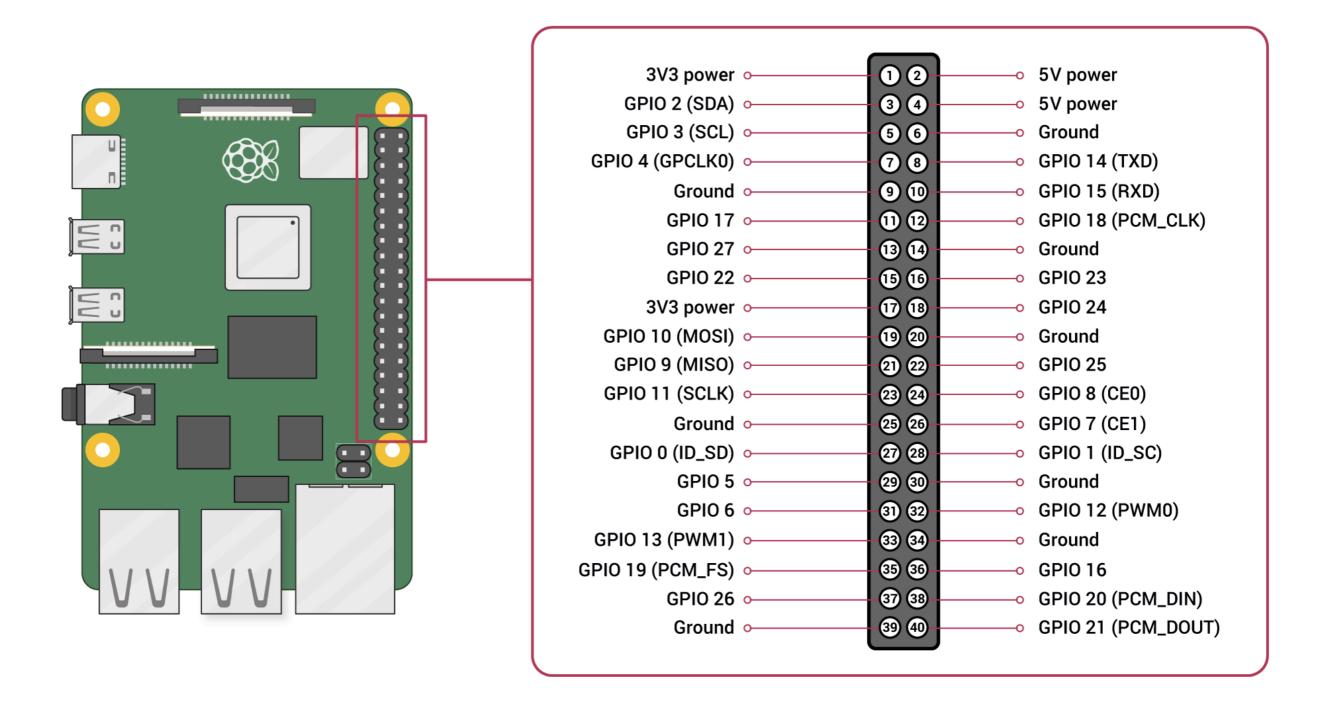
# MP FLASHLOADER TOOL

USER GUIDE

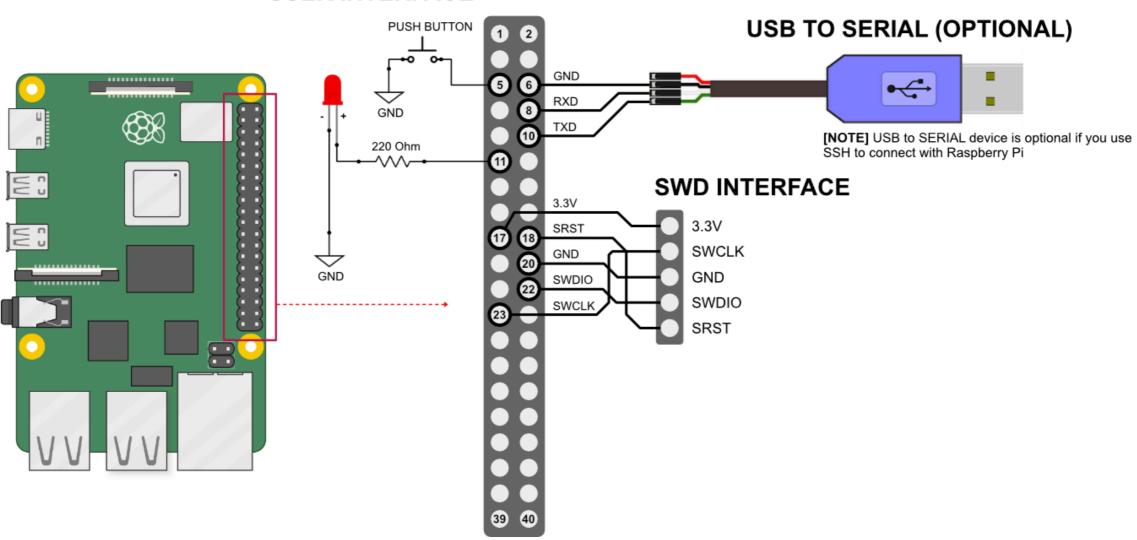
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## Raspberry Pi pinout



## Hardware Setup

#### **USER INTERFACE**



## Software Setup

- Copy **flashloader bundle v1.tgz** to raspberry pi
- Extract the bundle: tar xvfz flashloader\_bundle\_v1.tgz
- This bundle contains:
  - flashloader.py (python script to run the flashloader)
  - source folder (this folder contains openood source files)
  - test2.bin (binary file example, you can replace it with your own)
- Install openocd:
  - prerequisite:
    - sudo apt-get update
    - sudo apt-get install git autoconf libtool make pkg-config libusb-1.0-0 libusb-1.0-0-dev
  - cd source/openocd (change to openocd directory)
  - Inside openocd directory run the following commands:
    - ./bootstrap
    - ./configure --enable-sysfsgpio --enable-bcm2835gpio
    - make
    - sudo make install
    - openocd --version (see whether the installation is succeed or not)

- Running flashloader.py script:
  - cd to flashloader.py directory
    - NOTE IMPORTANT: make sure your "image.bin" on the same directory with flashloader.py
  - run: python flashloader.py your image.bin

```
pi@raspberrypi:~/release $ python flashloader.py test2.bin
Push the button to load "test2.bin" to the flash
```

- At this point you should see the led is "breathing" on and off, meaning that its ready to flash the image.
- Push the button and wait until the led is breathing again and we are ready for the next round.

## Software Setup

• If everything run smoothly you should see something like this:

```
nfo : writing buffer to flash offset=0x0 bytes=0x3d000
```