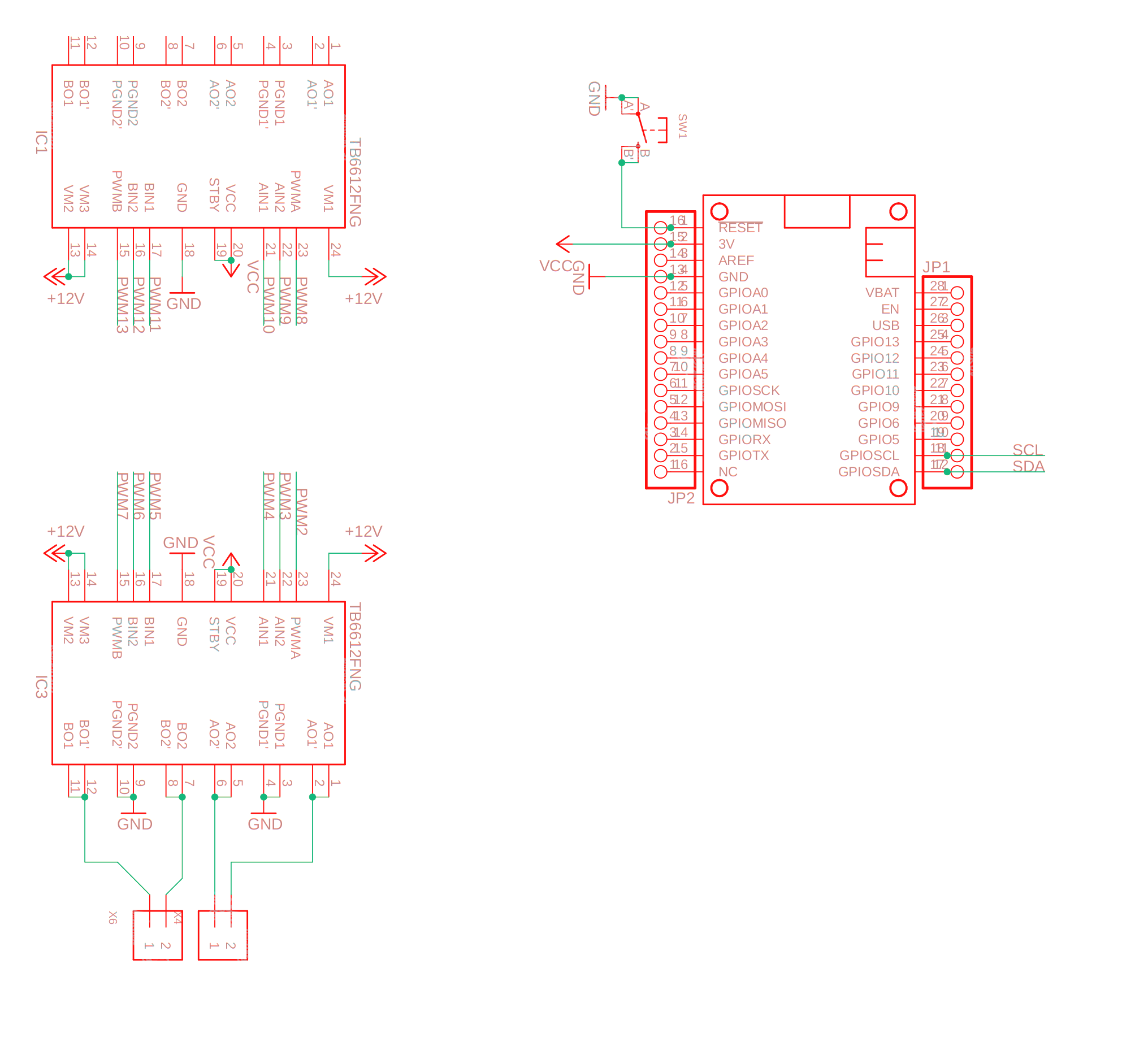
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| --- | --- | --- | --- | --- |
| Jetbot Part List | | | | |
| Order | Parts | serial number | Quantity | Remark |
| 1 | Main bracket | Chassis | 1 |  |
| 2 | Camera IMX219  Pi Camera V2 | Camera | 1 |  |
| 3 | Intel Dual Band  Wireless-Ac 8265 W/Bt | Wi-fi | 1 |  |
| 4 | Dual frequency antenna | Antennas | 2 |  |
| 5 | TT motor | TT | 2 |  |
| 6 | Wheel | Wheel | 2 |  |
| 7 | Motor Driver Board PCA9685+TB6612 | P | 1 |  |
| 8 | Universal wheel | Universal [wheel](javascript:;) | 1 |  |
| 9 | 10000mAh Power Bank | Power bank | 1 |  |
| 10 | Usb Cable | U | 1 |  |
| 11 | PiOLED display 128x32 OLED | OLED | 1 |  |
| 12 | OLED Board | Pinboard | 1 |  |
| 13 | TF卡 64G | TF | 1 |  |
| Mounting accessories | | | | |
| 13 | M2\*5 | Screw-A | 12 | To fix motherboard, motor board, camera |
| 14 | M3\*5 | Screw-B | 2 | To fix universal wheel |
| 15 | M3\*30 | Screw-C | 4 | To fix motor |
| 16 | M3 | Nut | 4 |
| 17 | M2\*5+5。 | Screw-D | 4 | To fix camera |
| 18 | M2\*5+5。 | Screw-D | 4 | To fix motherboard |
| Cables | | | | |
| 19 | Motor Cable |  | 3 | 3 two-color lines |
| 20 | Jetson Nano to driver board cable |  | 8 | 8 double female head lines |

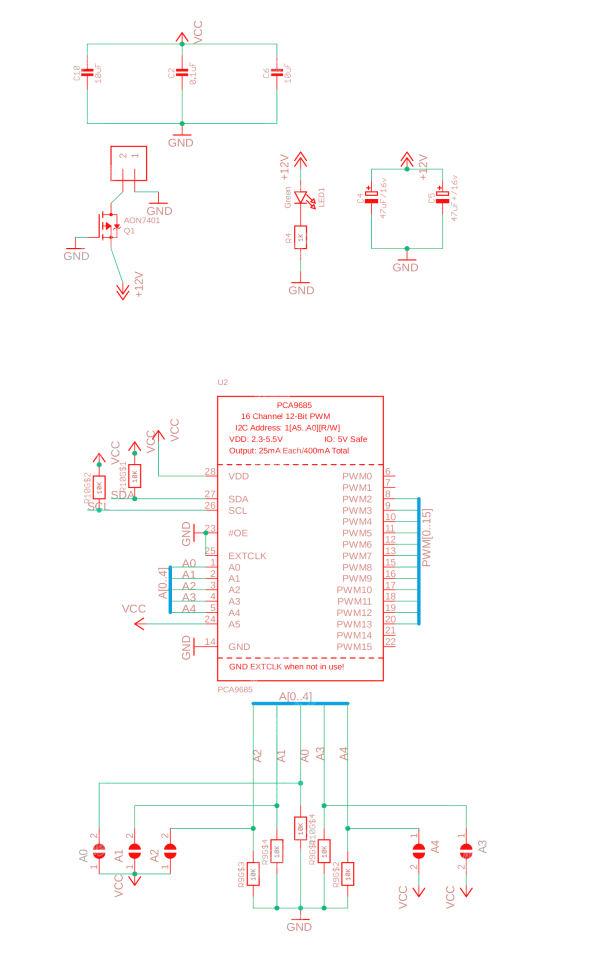
## Mounting

|  |  |
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| C:\Users\wenjo\AppData\Local\Microsoft\Windows\INetCache\Content.Word\15.jpg  Pinboard | C:\Users\wenjo\AppData\Local\Microsoft\Windows\INetCache\Content.Word\16.jpg  OLED |
| C:\Users\wenjo\AppData\Local\Microsoft\Windows\INetCache\Content.Word\17.jpg  Camera | C:\Users\wenjo\AppData\Local\Microsoft\Windows\INetCache\Content.Word\18.jpg  Antennas |
| C:\Users\wenjo\AppData\Local\Microsoft\Windows\INetCache\Content.Word\19.jpg  Power bank | C:\Users\wenjo\AppData\Local\Microsoft\Windows\INetCache\Content.Word\JT02-20.png  完成 |

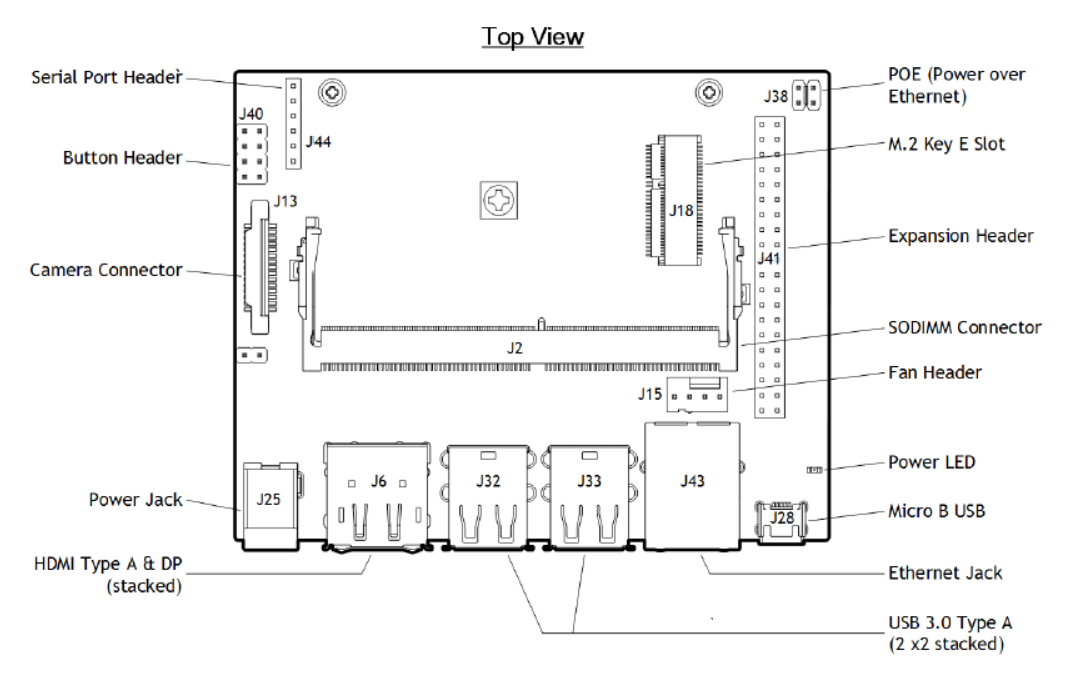
### Hardware Connecting

### PCA9685+TB6612





Nano Kit



[J41] 40-pin expansion header includes:

• Power pins.

Two 3.3V power pins and two 5V power pins. These are not switchable; power is always available when the developer kit is connected to power.

Two 5V pins can be used to power the developer kit at 3A each.

• Interface signal pins.

All signals use 3.3V levels.

By default, all interface signal pins are configured as GPIOs, except pins 3 and 5 and pins 27 and 28, which are I2C SDA and SCL, and pins 8 and 10, which are UART TX and RX. L4T provides a Python library, Jetson.GPIO, for controlling GPIOs. The library has the same API as RPi.GPIO. See /opt/nvidia/jetson-gpio/doc/README.txt on your Jetson system for details.