| pin | name | comment | connected to |
|---|---|---|---|
| 1 | 5V | | 5V |
| 2 | 3.3V | | |
| 3 | GND | | GND |
| 4 | ESP_EN | reset | |
| 5 | GPIO0 | boot pin | |
| 6 | GPIO1 | UART | |
| 7 | GPIO2 | 2.2k pullup | |
| 8 | GPIO3 | UART | |
| 9 | GPIO4 | OK | LED1 |
| 10 | GPIO5 | 10k pullup | LED2 |
| | | | |
| | | | |
| | | | |
| 1 | GPI39 | input only, ext power sense | |
| 2 | GPI36 | input only, 10k pullup | ENC1 |
| 3 | GPI35 | input only, opt battery | ENC2 |
| 4 | GPI34 | input only, button, 10k pullup | |
| 5 | GPIO33 | ok | ENC3 |
| 6 | GPIO32 | ok | ENC4 |
| 7 | GPIO16 | 2.2k pullup | ENC5 |
| 8 | GPIO15 | 10k pullup | SERVO1 |
| 9 | GPIO14 | OK | SERVO2 |
| 10 | GPIO13 | 2.2k pullup | SERVO3 |