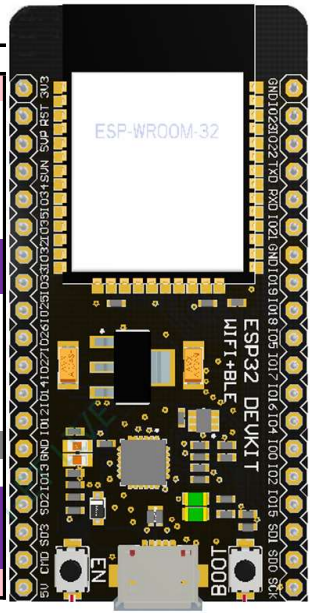
| Function | GPIO | | | GPIO | | Function | |
|---|---|---|---|---|---|---|---|
| | | 3V3 | | GND | | | |
| | | EN | | P23 | SPI MOSI | SD | |
| Rotary A | INPUT ONLY | P36 | | P22 | I2C SCL | Extension | |
| Rotary B | INPUT ONLY | P39 | | P1 | I2C SDA | Extension | |
| Rotary SW | INPUT ONLY | P34 | | P3 | SERIAL | RX 433MHz | |
| Flow Sensor | INPUT ONLY | P35 | | P21 | SERIAL | TX 433MHz | |
| | CRISTAL | P32 | | GND | | | |
| | | P33 | | P19 | SPI MISO | SD | |
| 0-10V | 0-3V | P25 | | P18 | SPI SCK | SD | |
| 0-10V | 0-3V | P26 | | P5 | SPI SS | SD | |
| RX IR 38kHz | | P27 | | P17 | | PWM | NC |
| TX IR 38kHz | | P14 | | P16 | | PWM | NC |
| NC PWM | | P12 | | P4 | | PWM | NC |
| NC PWM | | GND | | P0 | | PWM | NC |
| NC PWM | | P13 | | P2 | | PWM | NC |
| | | P9 | | P15 | | PWM | NC |
| | FLASH | P10 | | P8 | | | |
| | | P11 | | P7 | FLASH | | |
| | | 5V | | P6 | | | |




| ESP32 I/O | I²C Extension: | NOT Usable PIN |
|---|---|---|
| 3x Digital Input Rotary Encod | PH-Sensor (Isolated) MCP3424 + Temperatur 10k NTC | |
| 2x DAC Output 0-10V | EC-Sensor (Isolated) MCP3424 + Temperatur 10k NTC | |
| 9x PWM Input/Output NC (Spare) | LCD-Display 20x4 (MCP23008) | |
| 1x 433MHz RF TX and RX | 16x PWM Output (MCP23017) | |
| 1x 38kHz IR TX and RX | 16x Input/Output (PCA9685) | |