**HARDWARE PIN CONFIGURATION**

Tabel 1 MS5803 Pressure Sensor Pin Configuration on ESP32

|  |  |
| --- | --- |
| **MS5803 Pressure Sensor** | **DOIT ESP32** |
| 3V3 | 3V3 |
| GND | GND |
| SDA | 21 |
| SCL | 22 |

Tabel 2 MPU6050 Pressure Sensor Pin Configuration on ESP32

|  |  |
| --- | --- |
| **MPU6050** | **DOIT ESP32** |
| VCC | 3V3 |
| GND | GND |
| SDA | 21 |
| SCL | 22 |

Tabel 3 Relay Pin Configuration on ESP32

|  |  |
| --- | --- |
| **Relay** | **DOIT ESP32** |
| VCC | Vin |
| GND | GND |
| K (NO) | GPIO 12 |

Tabel 4 VNH2SP30 Driver Motor (1) Pin Configuration on ESP32

|  |  |
| --- | --- |
| **VNH2SP30 Driver Motor (1)** | **DOIT ESP32** |
| VCC | Vin |
| GND | GND |
| PWM  | GPIO 19 |
| INA  | GPIO 5 |
| INB | GPIO 18 |

Tabel 5 VNH2SP30 Driver Motor (2) Pin Configuration on ESP32

|  |  |
| --- | --- |
| **VNH2SP30 Driver Motor (2)** | **DOIT ESP32** |
| VCC | Vin |
| GND | GND |
| PWM  | GPIO 25 |
| INA  | GPIO 32 |
| INB | GPIO 33 |

Tabel 6 VNH2SP30 Driver Motor (3) Pin Configuration on ESP32

|  |  |
| --- | --- |
| **VNH2SP30 Driver Motor (3)** | **DOIT ESP32** |
| VCC | Vin |
| GND | GND |
| PWM  | GPIO 4 |
| INA  | GPIO 15 |
| INB | GPIO 2 |

Tabel 7 VNH2SP30 Driver Motor (4) Pin Configuration on ESP32

|  |  |
| --- | --- |
| **VNH2SP30 Driver Motor (4)** | **DOIT ESP32** |
| VCC | Vin |
| GND | GND |
| PWM  | GPIO 14 |
| INA  | GPIO 26 |
| INB | GPIO 27 |

Tabel 8 VNH2SP30 Driver Motor (5) Pin Configuration on ESP32

|  |  |  |
| --- | --- | --- |
| **VNH2SP30 Driver Motor (5)** | **DOIT ESP32** | **PCF8574** |
| VCC | Vin | VCC |
| GND | GND | GND |
| PWM  | GPIO 23 | - |
| INA  | - | P0 |
| INB | - | P1 |

Tabel 9 VNH2SP30 Driver Motor (6) Pin Configuration on ESP32

|  |  |  |
| --- | --- | --- |
| **VNH2SP30 Driver Motor (6)** | **DOIT ESP32** | **PCF8574** |
| VCC | Vin | VCC |
| GND | GND | GND |
| PWM  | GPIO 13 | - |
| INA  | - | P6 |
| INB | - | P7 |