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| --- | --- | --- | --- |
| Component | Pin Type | Pin Number (ESP32) | Description |
| OLED Display | SDA | 5 | I2C Data Line |
|  | SCL | 22 | I2C Clock Line |
|  | RESET | -1 (optional) | Reset pin (may not be used) |
| RFID Reader | SDA (SS) | 21 | Slave Select for SPI (Chip Select) |
|  | RST | 15 | Reset pin for the MFRC522 module |
|  | MOSI | 23 | Master Out Slave In (SPI data out) |
|  | MISO | 19 | Master In Slave Out (SPI data in) |
|  | SCK | 18 | Serial Clock for SPI |
| Serial2 | RX | 16 | Receive pin for external device |
|  | TX | 17 | Transmit pin for external device |
| WiFi Module | - | - | Integrated into ESP32 |
| Power | VCC | 3.3V | Power supply for components |
|  | GND | GND | Ground connection |

PIN OUT OF MODULE