

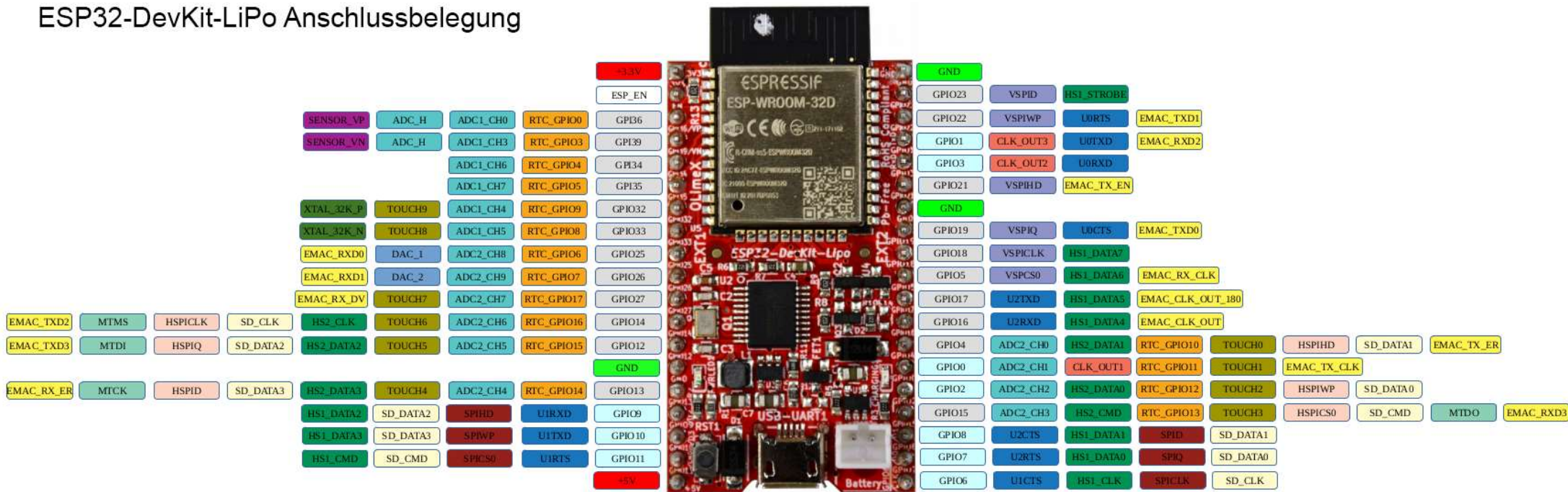
ROBOTER

Bausatz-Shop

ESP32-DevKit-LiPo

Anschlussbelegung

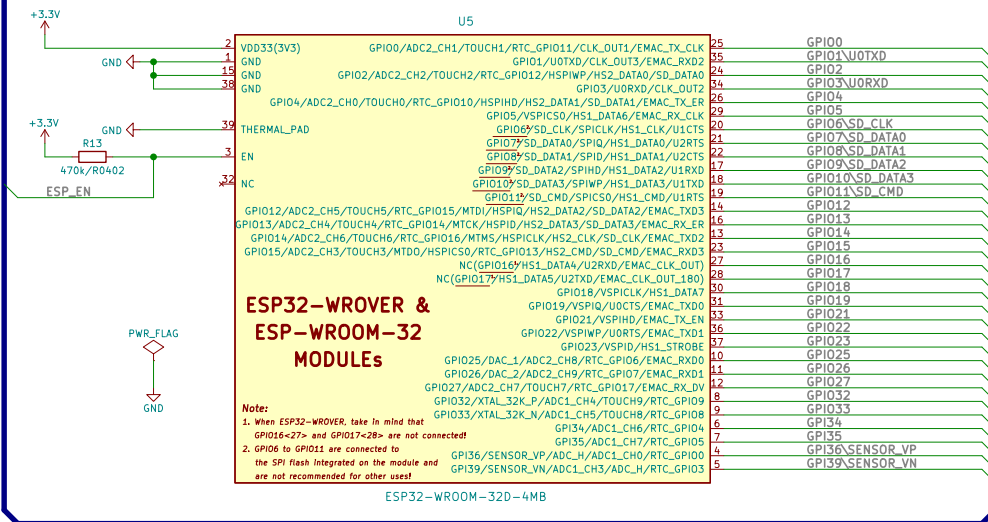
ESP32-DevKit-LiPo Anschlussbelegung



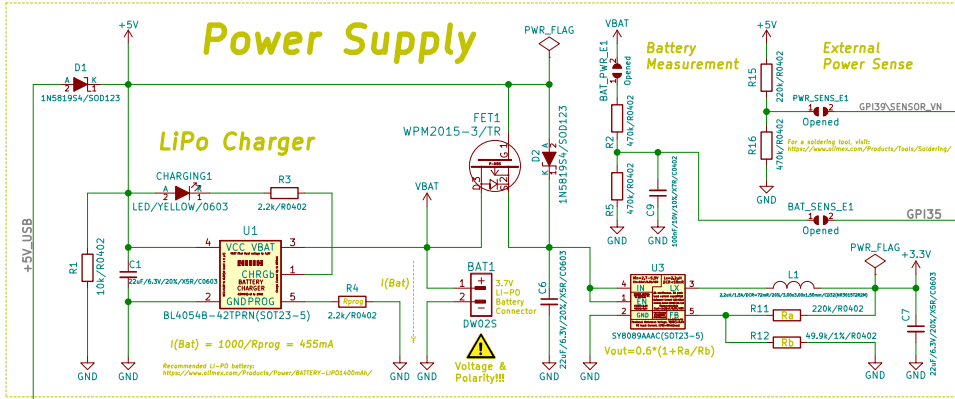
GPIOs which are not available:

- GPI06, GPI07, GPI08, GPI09, GPI010, GPI011 interner SPI Flash
- ESP-EN – RESET
- GPI39 if PWR_SENS_E1 Jumper wird geschlossen, um zu überwachen, ob die Stromversorgung vorhanden ist
- GPI34 if BAT_SENS_E1 Jumper wird geschlossen, um die Batteriespannung zu überwachen.
- GPI00, GPI01, GPI02, GPI03 verbunden mit CH340T USB-Seriell-Konverter zur Programmierung und Kommunikation
- N.C. - Nicht angeschlossen, Pins verfügbar zur freien Benutzung.

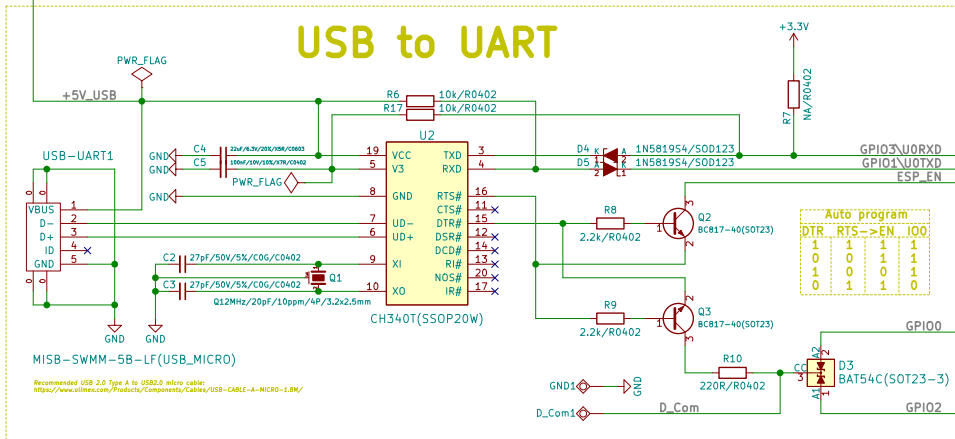
ESP32-WROOM-32x-xxx MODULE



Power Supply



USB to UART

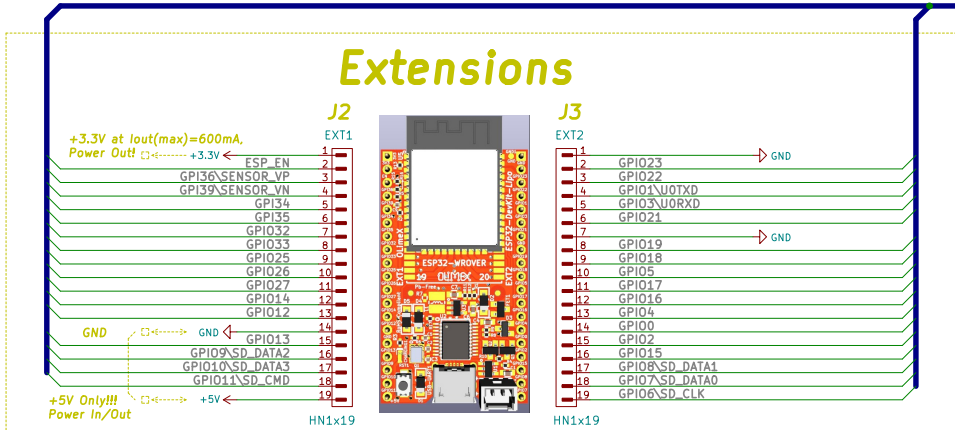


Fiducials:

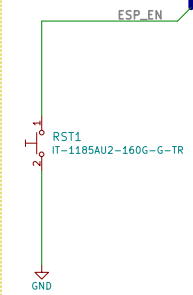


MTDO/GPIO12:	GPIO2:	GPIO4:	MTDO/GPIO15:	GPIO5:
GPIO12:	GPIO2:	GPIO4:	GPIO15:	GPIO5:
Pull-Down	Pull-Down	Pull-Down	Pull-Up	Pull-Up

Extensions



Reset Button



Software Selectable Pins

Interface:	Signal	Pin
EMAC	EMAC_MDC_out	Any GPIO
	EMAC_MDIO_in	
	EMAC_MDIO_out	
	EMAC_CSD_out	
I2C	I2C_EXT0_SCL_in	Any GPIO
	I2C_EXT0_SDA_in	
	I2C_EXT1_SCL_in	
	I2C_EXT1_SDA_in	
	I2C_EXT0_SCL_out	
	I2C_EXT1_SCL_out	
General Purpose SPI	HSPiQ_In/_out	Any GPIO
	HSPiD_In/_out	
	HSPiCLK_In/_out	
	HSPiCS0_In/_out	
	HSPiCS1_out	
	HSPiCS2_out	
	VSPiQ_In/_out	
	VSPiD_In/_out	

Pin	Voltage of Internal LDO(VDD_S0I0)			
	Default	3.3V	1.8V	1.2V
GPIO12/MTDO	0	1	0	0
GPIO2	0	0	0	0
GPIO4	0	0	0	0
GPIO15	1	0	0	0
GPIO5	0	0	0	0
GPIO15/MTDO	0	0	0	0
GPIO5	0	0	0	0

Fully compatible to Espressif's ESP32-DevKitC connectors J2&J3!

