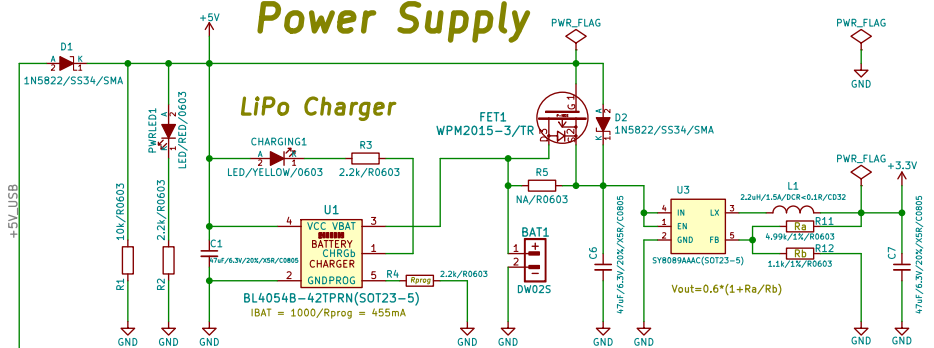
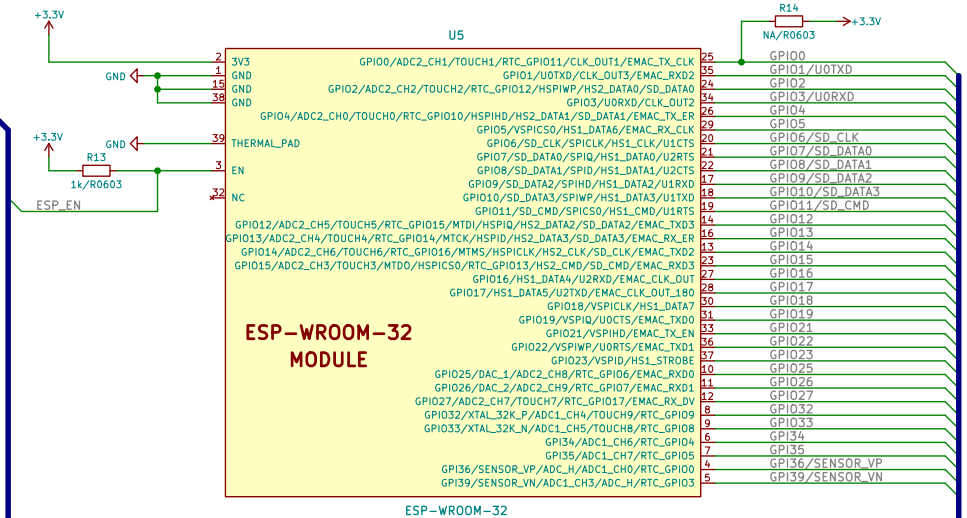


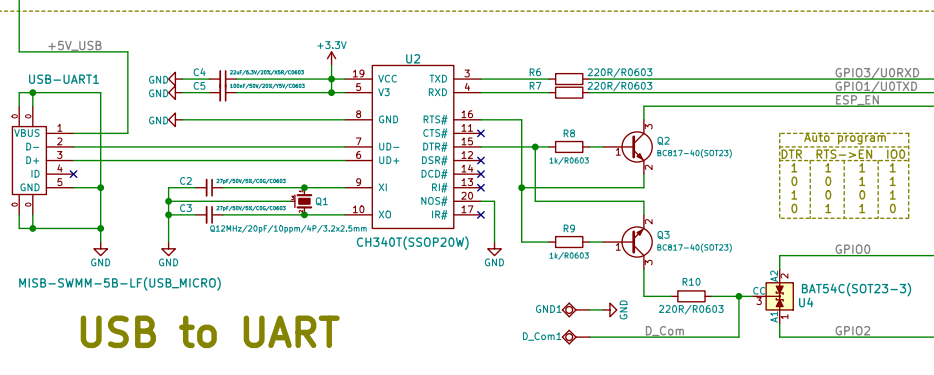
Power Supply



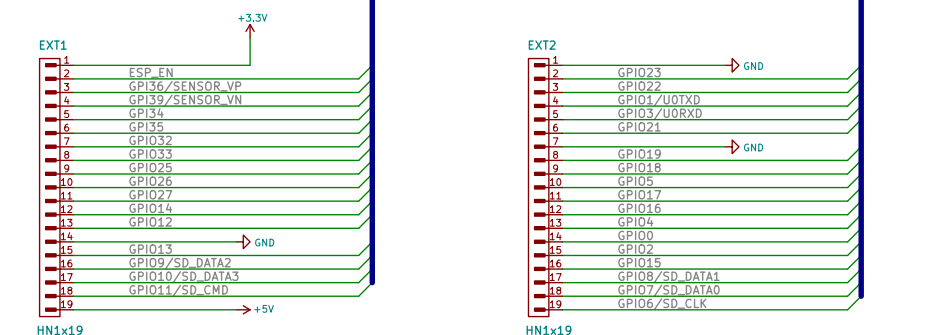
ESP-WROOM-32 MODULE



USB to UART



Extensions

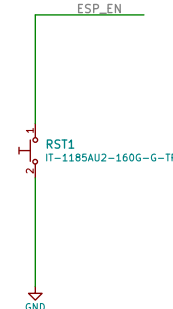


Fiducials:



Internal Bootstrapping Resistors	
MTDI/GPIO12:	Pull-Down
GPIO0:	Pull-Up
GPIO2:	Pull-Down
GPIO4:	Pull-Down
MTDO/GPIO15:	Pull-Up
GPIO5:	Pull-Up

Reset Button



Software Selectable Pins

Interface	Signal	Pin
EMAC	EMAC_MDC_out	Any GPIO
	EMAC_MDIO_in	
	EMAC_CRS_out	
	EMAC_COL_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_EXT0_SDA_out	
	I2C_EXT1_SCL_out	
	I2C_EXT1_SDA_out	
General Purpose SPI	HSPIDQ_in/_out	Any GPIO
	HSPIDJ_in/_out	
	HSPICLK_in/_out	
	HSPICLK50_in/_out	
	HSPICLK50_in/_out	
	HSPICLK50_in/_out	
	HSPICLK50_in/_out	
	HSPICLK50_in/_out	
	HSPICLK50_in/_out	
	HSPICLK50_in/_out	

Voltage of Internal 100V00-SDIO		Bootstrapping Pins Settings	
Pin	Default	3.3V	1.8V
GPIO12/MTDI	Pull-Down	0	1
GPIO0	Pull-Up	1	0
GPIO2	Pull-Down	0	0
GPIO4	Pull-Down	0	0
GPIO15/MTDO	Pull-Up	1	0
GPIO5	Pull-Up	1	0

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Sheet: /
File: ESP32-DevKit-Lipo_Rev.A1.sch

Title: ESP32-DevKit-Lipo

Size: A3 Date: 2018-09-14

KiCad E.D.A. kicad (6.0.0-rc1-dev-478-gc120ae9e9)

open source hardware

Rev: A1

Id: 1/1