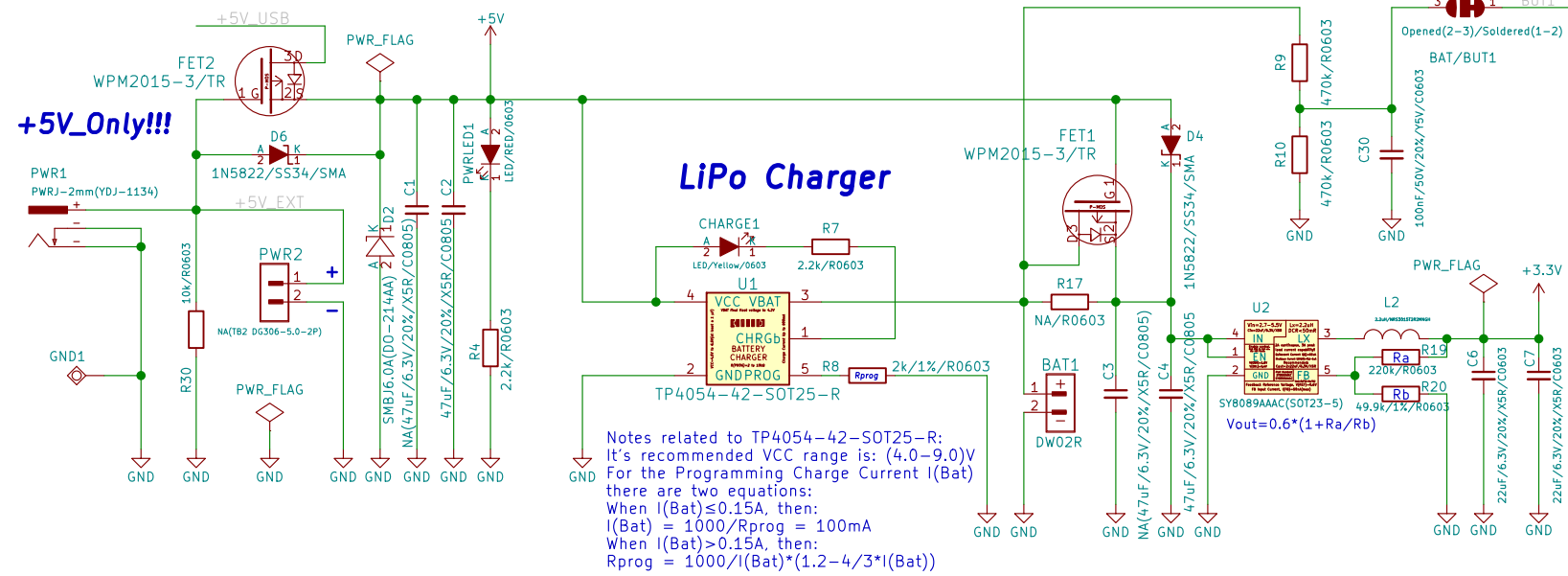


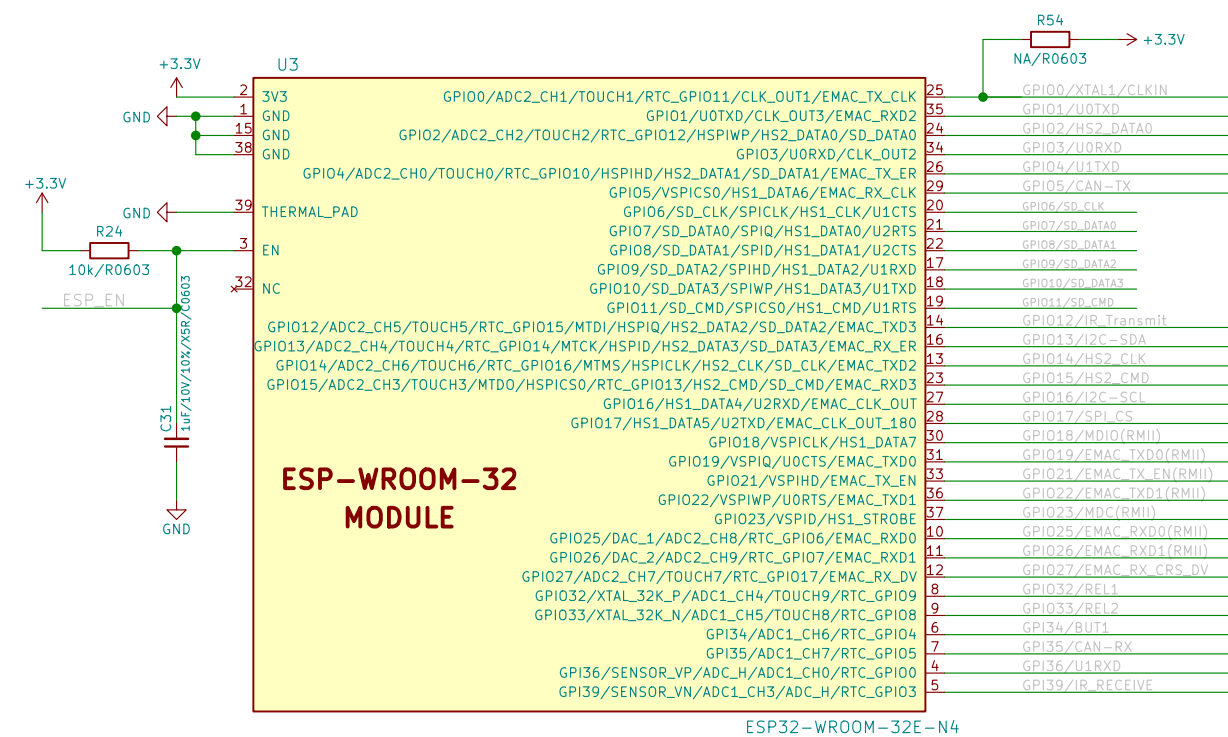
Power Supply

Battery Measurement

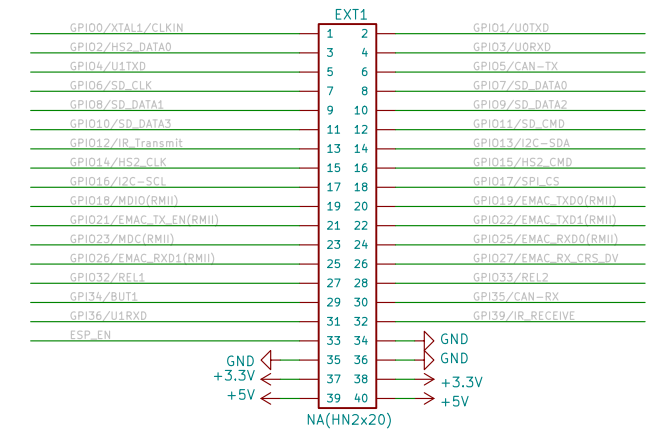
LiPo Charger



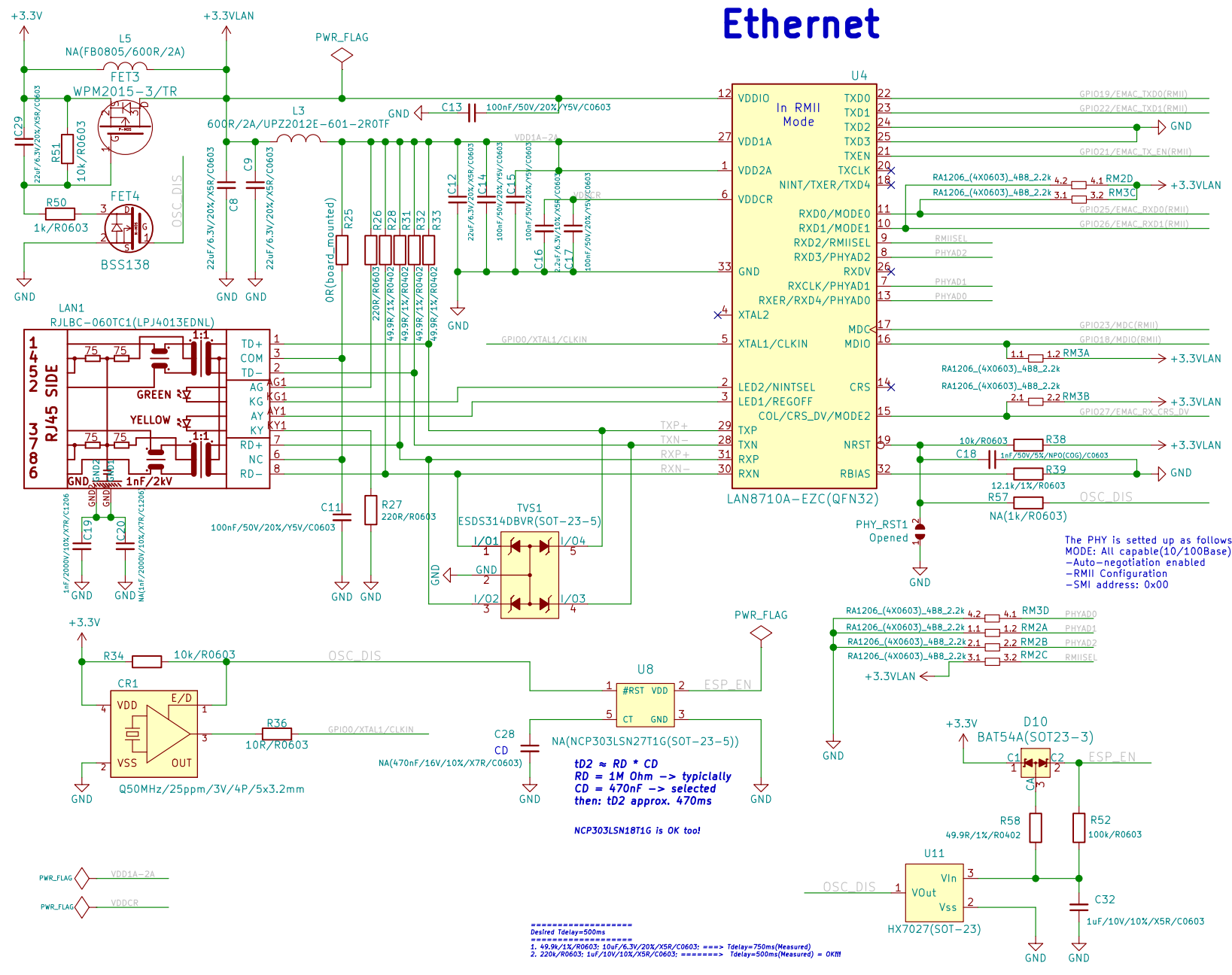
ESP-WROOM-32 MODULE



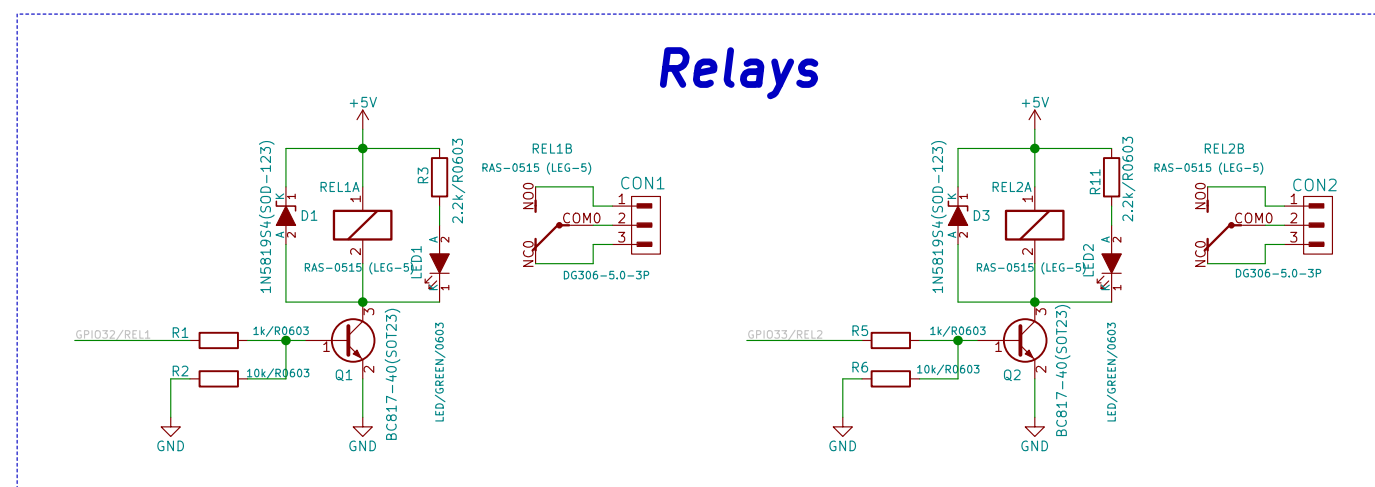
Extension



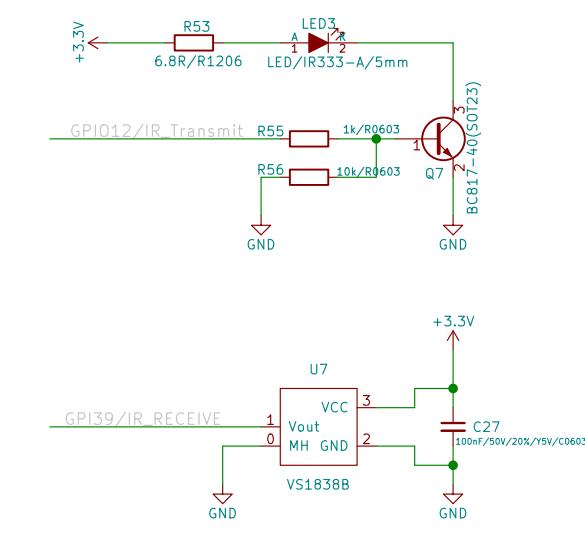
Ethernet



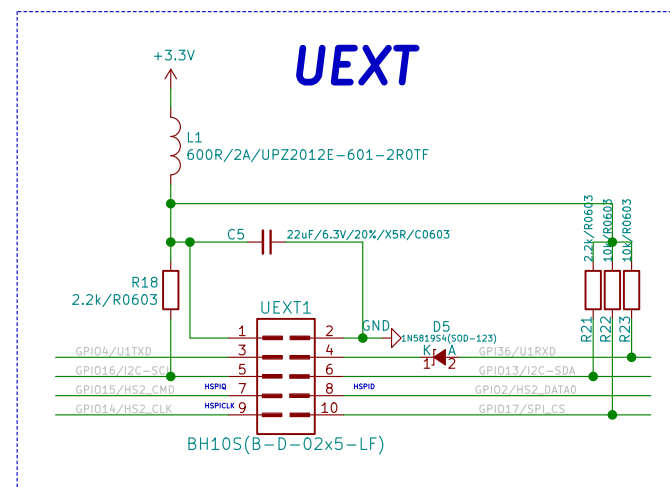
Relays



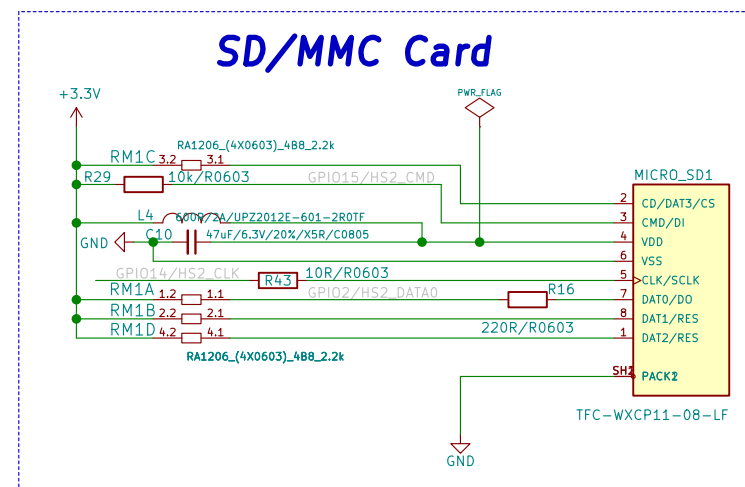
Infrared Communication



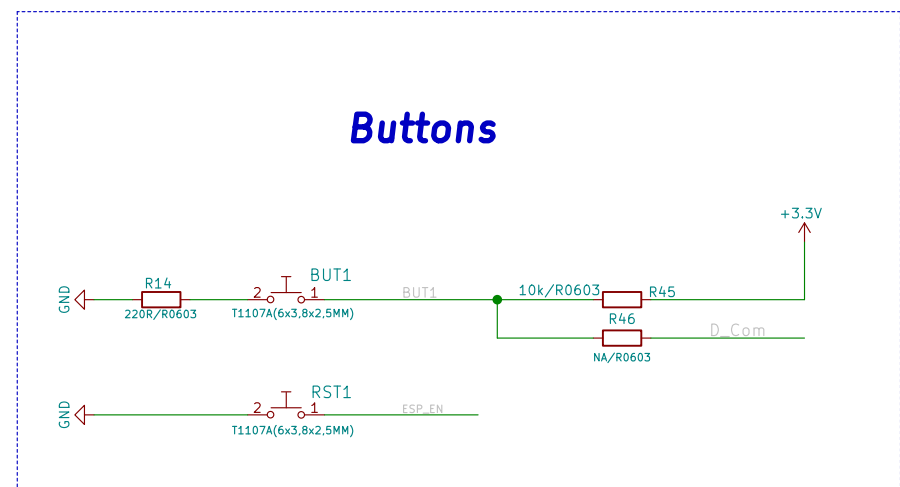
UEXT



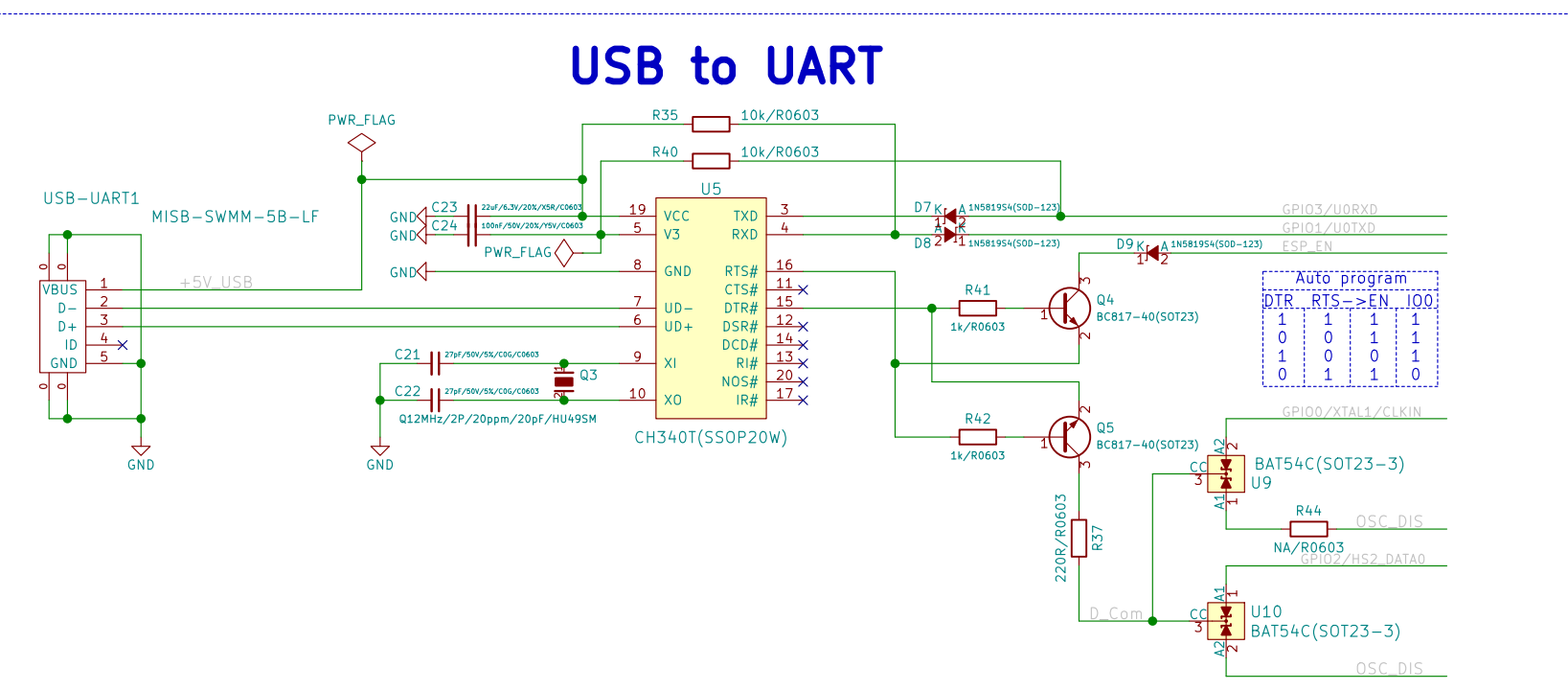
SD/MMC Card



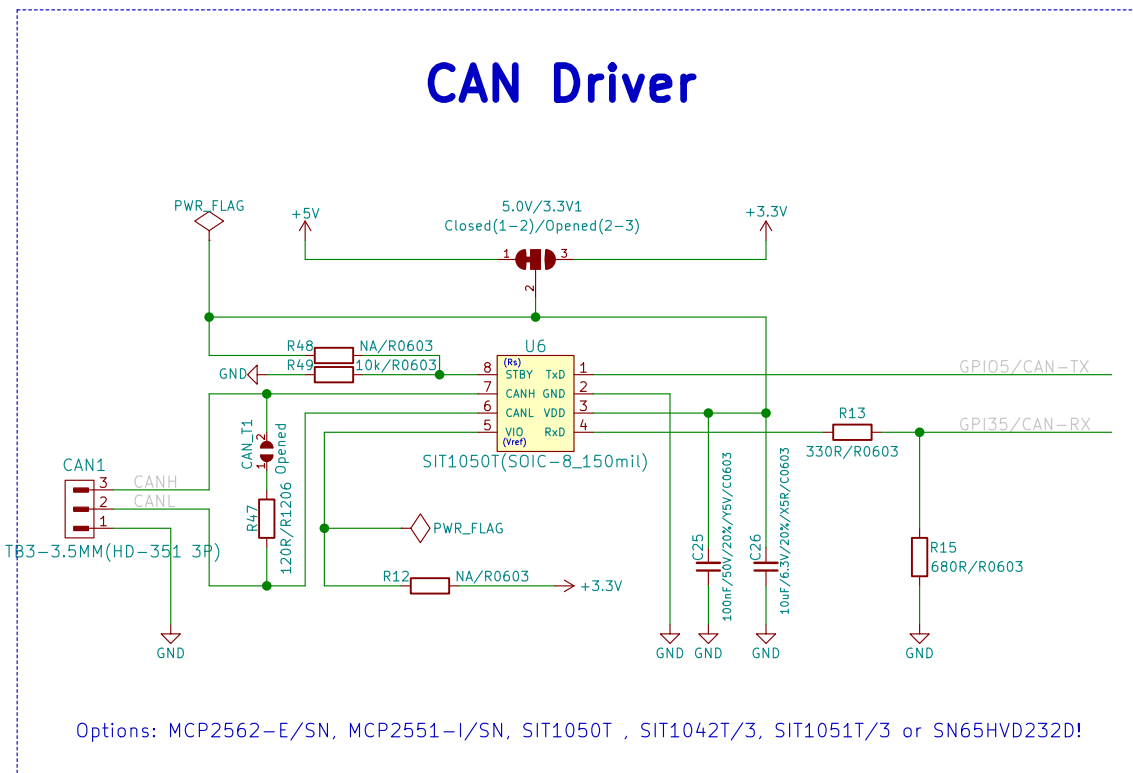
Buttons



USB to UART



CAN Driver



Software Selectable Pins		
Interface	Signal	Pin
EMAC	ENAC_MDIO_in	Any GPIO
	ENAC_MDIO_out	
	ENAC_MDIO_in	
	ENAC_MDIO_out	
I2C	I2CXTA_SDA_in	Any GPIO
	I2CXTA_SDA_out	
	I2CXTA_SCL_in	
	I2CXTA_SCL_out	
General Purpose SPI	HSPICLK_in/out	Any GPIO
	HSPICLK_in/out	
	HSPICLK_in/out	
	HSPICLK_in/out	

Mounting Holes	
GND	MH2
GND	MH3

Internal Bootstrapping Resistors	
MTD0/GPIO12:	Pull-Down
GPIOD:	Pull-Up
GPIOD:	Pull-Down
MTD0/GPIO15:	Pull-Up
GPIOD:	Pull-Up

Voltage of Internal (D0VDD_S0V0)	
Pin	Default
GPIOD/MTD0	Pull-Down
GPIOD	Pull-Up
GPIOD	Pull-Down
GPIOD/MTD0	Pull-Up
GPIOD	Pull-Up

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Sheet: /
File: ESP32-EVB
Size: A2 Date: 2025-02-25 Rev: K2
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