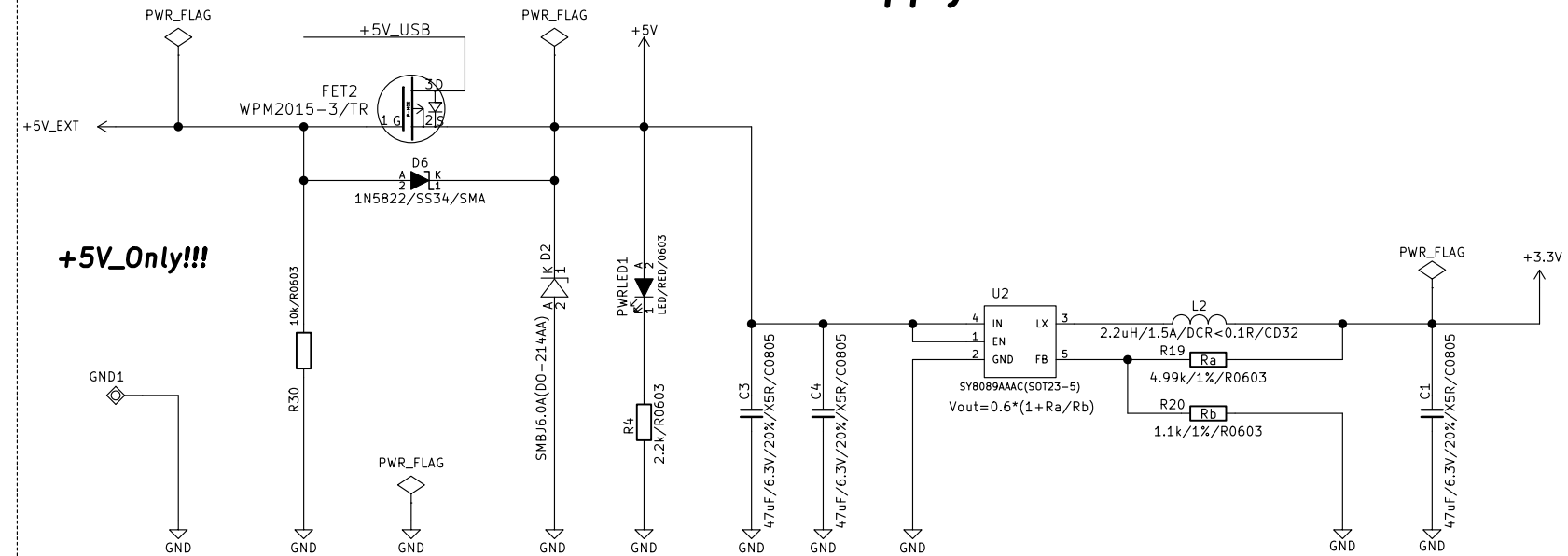
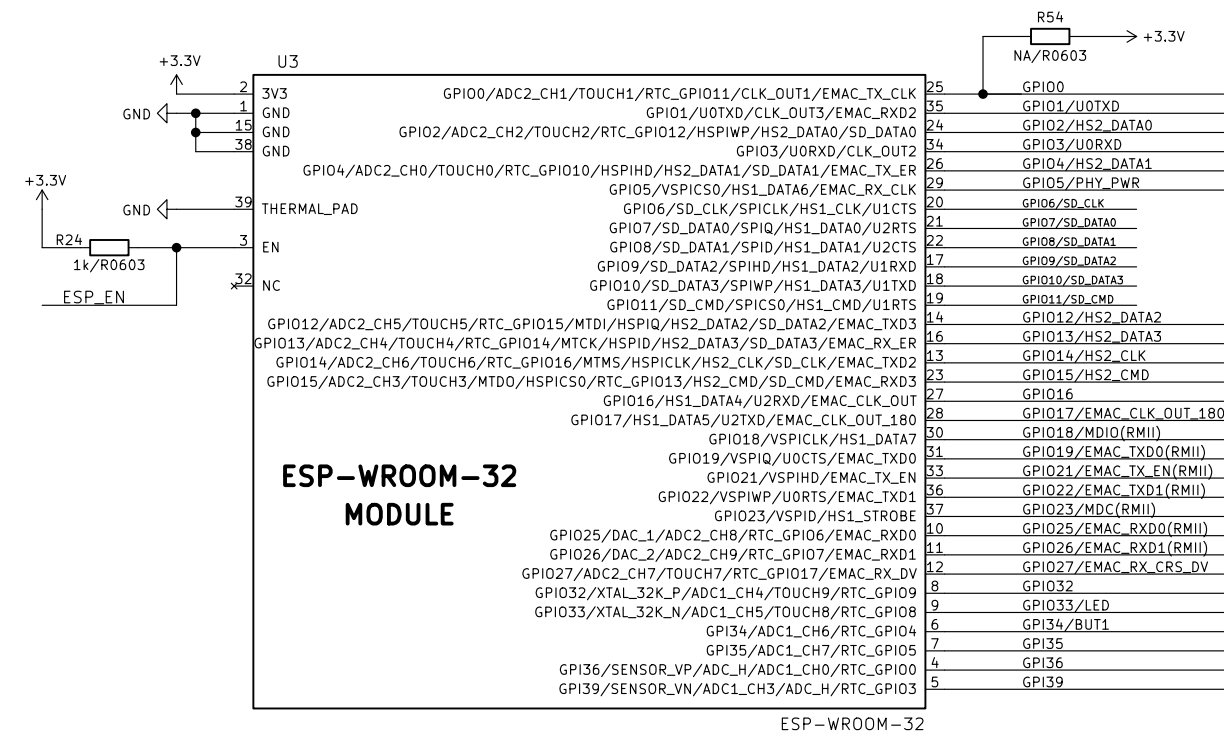


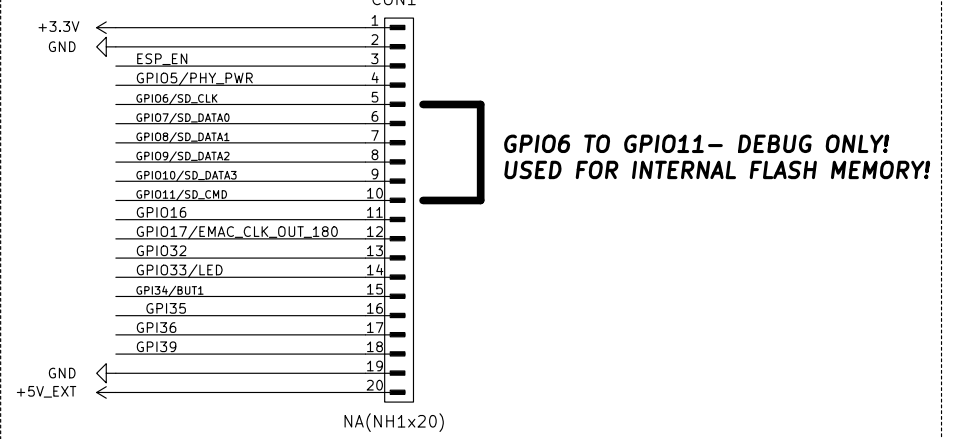
Power Supply



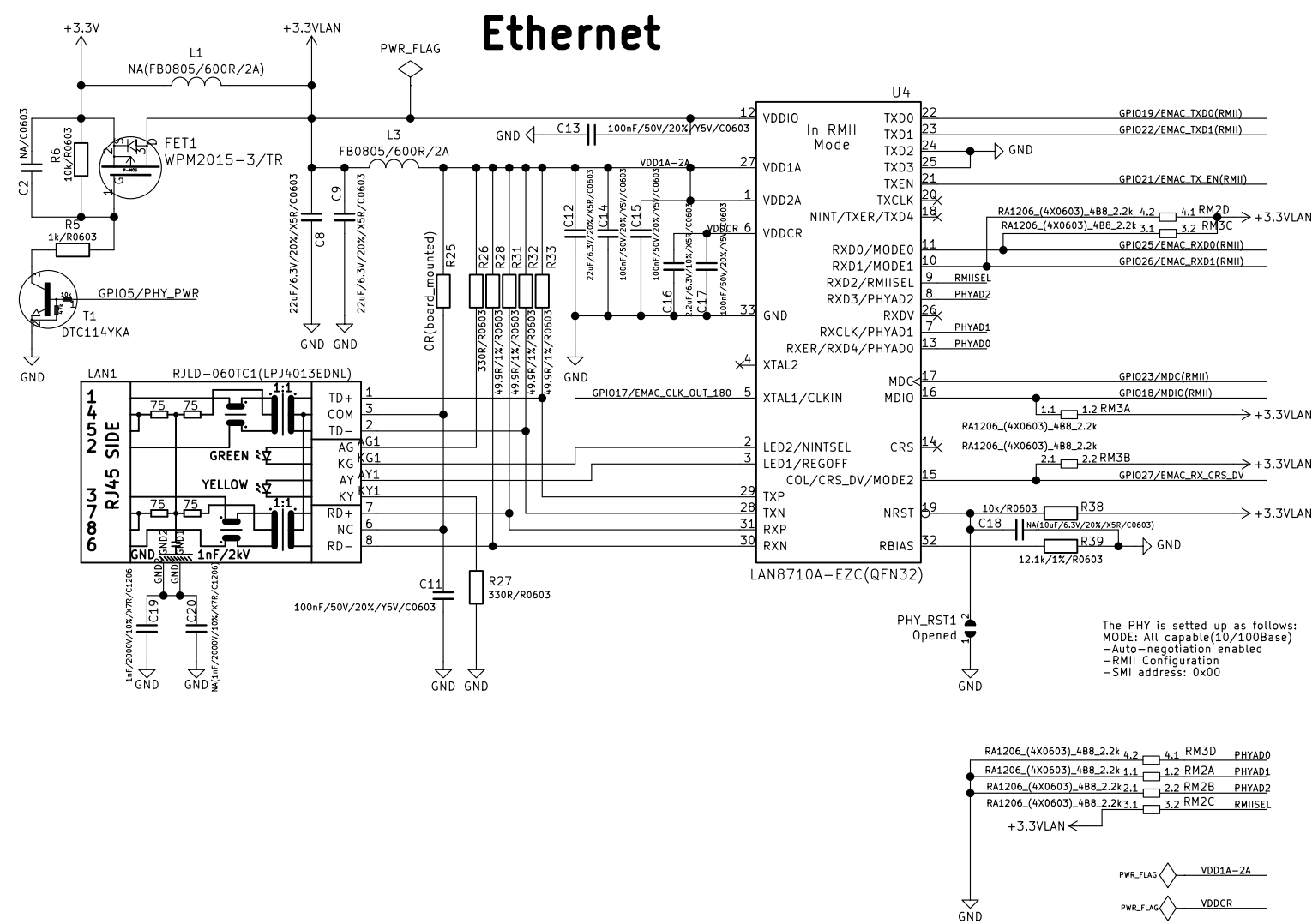
ESP-WROOM-32 MODULE



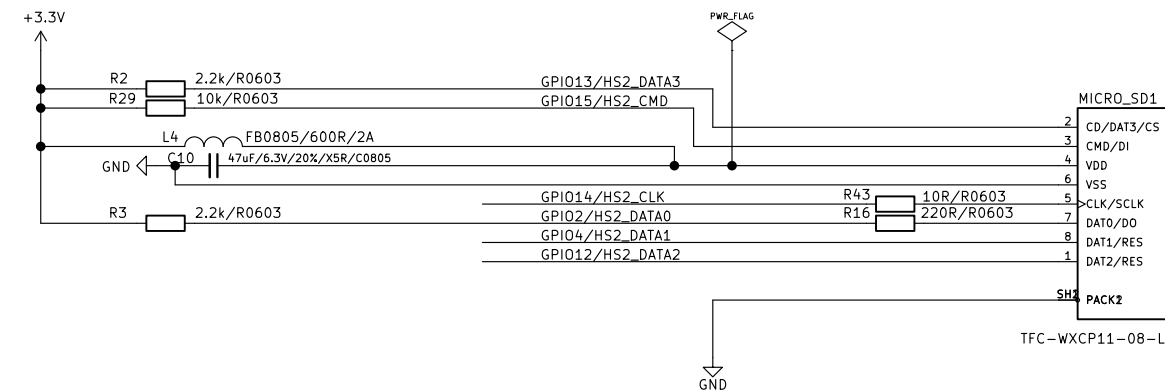
Extension



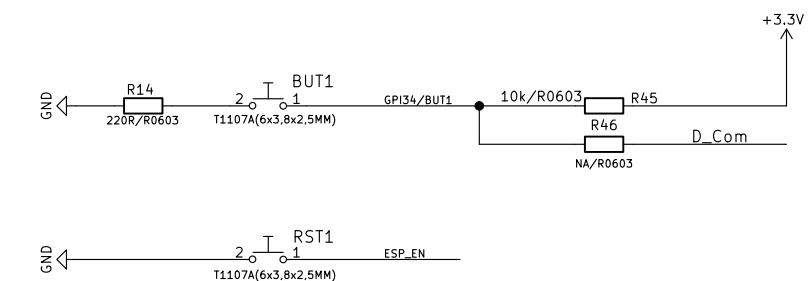
Ethernet



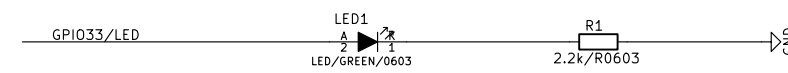
SD/MMC Card



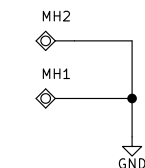
Buttons



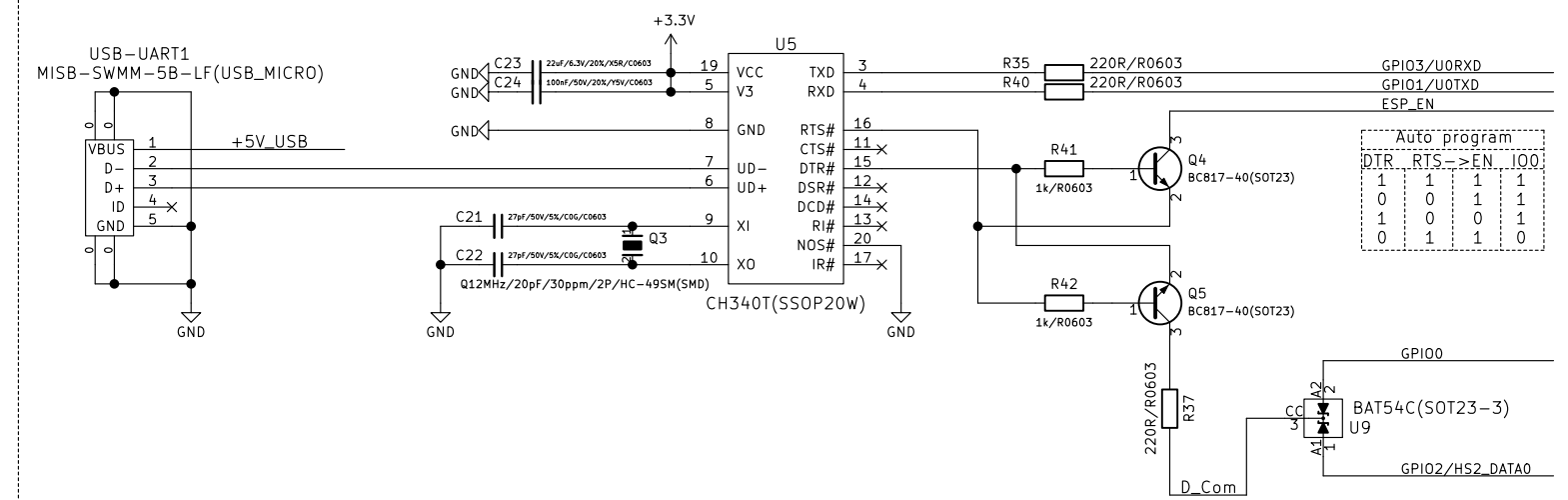
LED



Mounting Holes



USB to UART



Software Selectable Pins

Interface	Signal	Pin
EMAC	EMAC_MDIO_out	Any GPIO
	EMAC_MDIO_in	Any GPIO
	EMAC_CRS_out	Any GPIO
	EMAC_CRS_in	Any GPIO
I2C	I2CXT0_SCL_in	Any GPIO
	I2CXT0_SDA_in	Any GPIO
	I2CXT1_SCL_in	Any GPIO
	I2CXT1_SDA_in	Any GPIO
General Purpose SPI	HSPIQ_in_out	Any GPIO
	HSPIQ_in_out	Any GPIO
	HSPIQ_in_out	Any GPIO
	HSPIQ_in_out	Any GPIO

Voltage of Internal LDO(VDD_SDIO)		Bootstrapping Pins Settings	
Pin	Default	Pin	Default
GPIO12/MTD0	0	GPIO10	0
GPIO12/MTD0	0	GPIO12	0
GPIO12/MTD0	0	GPIO14	0
GPIO12/MTD0	0	GPIO15	0
GPIO12/MTD0	0	GPIO15/PHY_PWR	0

Internal Bootstrapping Resistors

MTD0/GPIO12:	Pull-Down
GPIO10:	Pull-Up
GPIO12:	Pull-Down
GPIO14:	Pull-Down
MTD0/GPIO15:	Pull-Up
GPIO15/PHY_PWR:	Pull-Up

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Sheet: / File: ESP32-GATEWAY_Rev_E.sch

Title: ESP32-GATEWAY

Size: A2 Date: 2018-08-02

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