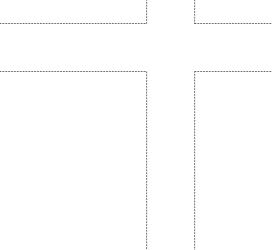
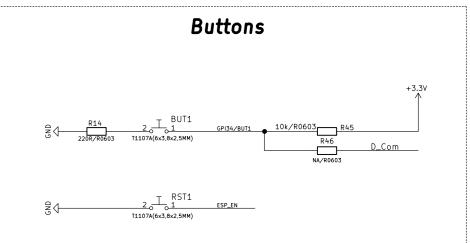


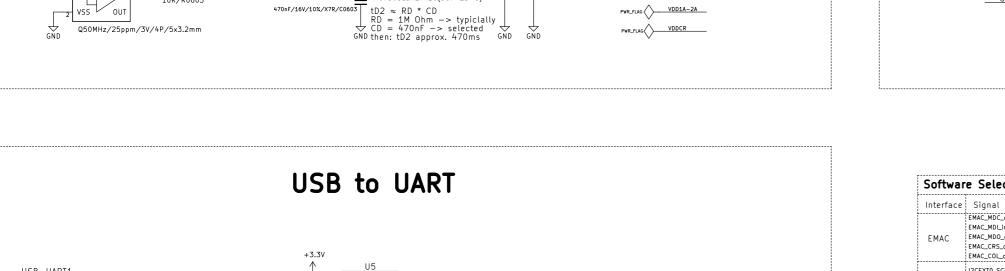
LED

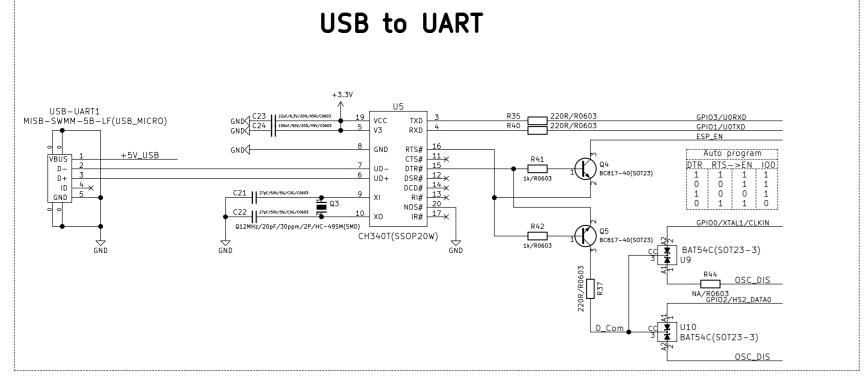
2.2k/R0603





Mounting Holes





Interface		Pin
EMAC	EMAC_MDC_out EMAC_MDL_in EMAC_MDO_out EMAC_CRS_out EMAC_COL_out	Any GPIO
I2C	I2CEXTO_SCL_in I2CEXTO_SDA_in I2CEXT1_SCL_in I2CEXT1_SDA_in I2CEXT0_SCL_out I2CEXT0_SDA_out I2CEXT1_SCL_out I2CEXT1_SCL_out	Any GPIO
General Purpose SPI	HSPIQ_in/_out HSPID_in/_out HSPICLK_in/_out HSPICSQ_in/_out HSPLCS1_out HSPLCS2_out VSPIQ_in/_out VSPID_in/_out VSPICLK_in/_out VSPICSO_in/_out VSPICSO_in/_out VSPICSO_in/_out VSPICSO_in/_out VSPICS1_out	Any GPIO

	·	Voltage of Inter	nal_LDO(VDD_SDIO)				
Pin	Default	3.3V	1.8V				
GPI012/MTDI	Pull-Down	0	1	Dankakaa	! D!		
		Bootin	Bootstrapping Pins				
Pin	Default	SPI Flash Boot	Download Boot	T Sett	Settings		
GPI00	Pull-Up	1	0				
GPI02	Pull-Down	Don't-care	0				
Debugging Log on UOTXD During Booting							
Pin	Default	UOTXD Toggling	UOTXD Silent				
GPI015/MTD0	Pull-Up	1	0				
Timing of SDIO Slave							
Pin	Default	Falling-edge:Output	Falling-edge:Input Rising-edge:Output	Rising—edge:Input Falling—edge:Output	Rising—edge:Input Rising—edge:Outpu		
GPI015/MTD0	Pull-Up	0	0	1	1		
GPI05	Pull-Up	0	1	0	1		

Internal Bootstra	pping Resistors
MTDI/GPI012:	Pull-Down
GPI00:	Pull-Up
GPI02:	Pull—Down
GP104:	Pull-Down
MTDO/GPI015:	Pull-Up
GPI05:	Pull-Up

https://www.	olimex.com	
Sheet: / File: ESP32-	GATEWAY_Rev_C.sch	
Title: ESP	32-GATEWAY_Rev_C	
Size: A2	Date:	Rev:
KiCad E.D.A.	kicad 6.0.0-rc1-unknown-0cca1c665ubuntu16.04.1	ld: 1/1