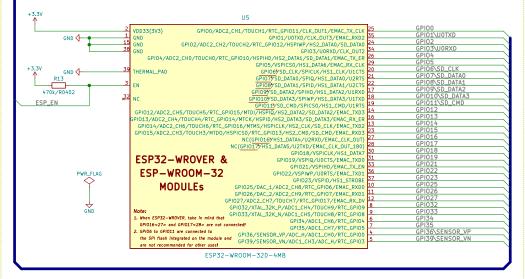


## ESP32-WROOM-32x-xxx MODULE

**S** ESPRESSIF



## Fiducials:



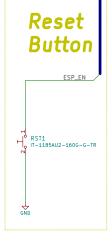






U	nternal Bootstrapping Resistors		
	MTDI/GPI012:	Pull-Down	
Г	GP100:	Pull-Up	
	GPI02;	Pull-Down	
Г	GP104:	Pull-Down	
	MTD0/GPI015:	Pull-Up	
Г	GP105:	Pull-Up	

## **Extensions** EXT1 EXT2 +3.3V at lout(max)=600mA, Power Out! □ <-----+3.3V ← - GND GPI018 GPI05 GPI00 +5V Ontv!!! > □------> +5V ← Fully compatible to Espressif's ESP32-DevKitC connectors J2&J3!



	Signal	Pin	
	EMAC_MDC_out		
	EMAC_MDI_In		
EMAC	EMAC_MDO_out	Any GPIO	
	EMAC_CRS_out		
	EMAC_COL_out		
	I2CEXTO_SCL_In		
	I2CEXTO_SDA_in		
I2C	I2CEXT1_SCL_in	Any GPIO	
	I2CEXT1_SDA_In		
	I2CEXT0_SCL_out		
	I2CEXTO_SDA_out		
	I2CEXT1_SCL_out		
	I2CEXT1_SDA_out		
	HSPIQ_in/_out		
General Purpose SPI	HSPID_In/_out		
	HSPICLK_in/_out HSPI_CSO_in/_out		
	HSPLCS1_out		
	HSPI_CS2_out		
	VSPIQ_In/_out	Any GPIO	
	VSPID_in/_out		
	VSPICLK_in/_out		
	VSPI_CS0_in/_out		
	VSPL CS1_out		
	VSPI_CS2_out		

		Voltage of Inter	nal LDO(VDD_SDIO)				
Pin	Default	3.3V	1.8V				
GPI012/MTDI	Pull-Down	0	1	0	Bootstrapping Pins		
		Bootin	ng Mode				
Pin	Default	SPI Flash Boot	Download Boot	Set	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 Stave				
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		





Sheet: / File: ESP32-DevKit-Lipo Rev B.sch

Title: ESP32-DevKit-Lipo Size: A3 Date: 2020-06-08 KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1

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