

















Interface	Signal	Pin
EMAC	EMAC_MDC_out EMAC_MDI_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 HSPICIK_in/_out HSPICSO_in/_out HSPLCS1_out HSPLCS2_out VSPIQ_in/_out VSPID_in/_out VSPICS0_in/_out VSPICSO_in/_out VSPLCS0_in/_out VSPLCS1_out	Any GPIO

		Voltage of Interr	nal LDO(VDD_SDIO)			
Pin	Default	3.3V	1.8V	Dt-t		
GPI012/MTDI	Pull-Down	0	1			
		Bootin	g Mode		pping Pins	
Pin	Default	SPI Flash Boot	Download Boot	Sett	Settings	
GPI00	Pull-Up	1	0			
GPI02	Pull-Down	Don't-care	0			
Debugging Log on UOTXD During Booting						
Pin	Default	UOTXD Toggling	ng 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:Output	
GPI015/MTD0	Pull-Up	0	0	1	1	
GPI05/PHY_PW	RPull-Up	0	1	0	1	

Internal Bootstra	pping Resistors
MTDI/GPI012:	Pull-Down
GPI00:	Pull-Up
GPI02:	Pull—Down
GP104:	Pull-Down
MTD0/GPI015:	Pull-Up
GPI05/PHY	_PWR?ull-Up

https://www.olimex.com	
OLIMEX LTD.	
Sheet: /	
File: ESP32-GATEWAY_Rev_E.sch	
Title: ESP32-GATEWAY	
Size: A2 Date: 2018-08-02	Rev: E
KiCad E.D.A. kicad (6.0.0-rc1-dev-1322-g1858b7dca)	ld: 1/1
40	'