

Scaldis
Sheet: /Header Pi/
File: rj45_psu_conns.kicad_sch

Title: ESP32 - Eternet - UniBoard
Size: A3 Date: 2021-07-03 Rev: A
KiCad E.D.A. kicad 6.99.0-unknown-e7f379c31d-118-ubuntu20.04.1 Id: 2/5

301tWa1	e Selectabl	
Interface	Signal	Pin
EMAC	EMAC_MDC_out EMAC_MDI_in EMAC_MDO_out EMAC_CRS_out EMAC_COL_out	Any GPIC
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 GPIC
General Purpose SPI	HSPIQ_in/_out HSPIQ_in/_out HSPICLK_in/_out HSPICSO_in/_out HSPI_CS1_out HSPI_CS2_out VSPIQ_in/_out VSPIQ_in/_out VSPICLK_in/_out VSPICSO_in/_out VSPICSO_in/_out VSPICSO_in/_out VSPICSO_in/_out VSPICSO_in/_out VSPICSO_in/_out	Any GPIC

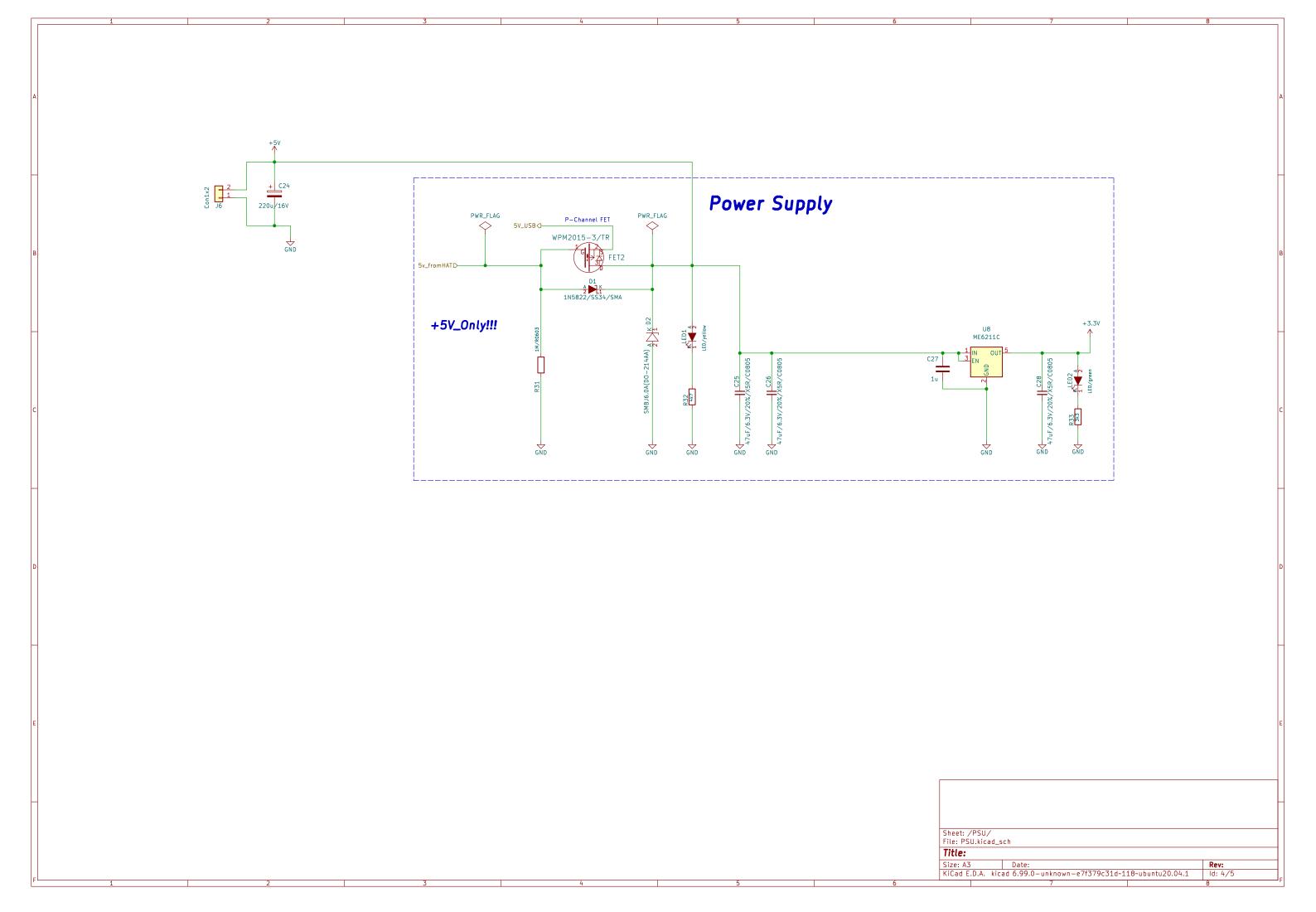
			aLLDO(YDD_SDIQ)	_		
Pin	Default	3.3V	1.87			
GPI012/MTDI	Pull-Down	0	1	7		
		Bootin	g Mode		pping Pins	
Pin	Default	SPI Flash Boot	Download Boot	_ Setti	ngs	
GPI00	Pull-Up	1	0	i		
GPI02/HS2_D0	Pull-Down	Don't-care				
		Debugging Log on U	OTXD During Booting			
Pin	Default	UOTXD Toggling	UOTXD Silent			
GPI015/MTDO	Pull-Up_	1				
		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/SPI_CS	Pull-Up	0	1	0	1	

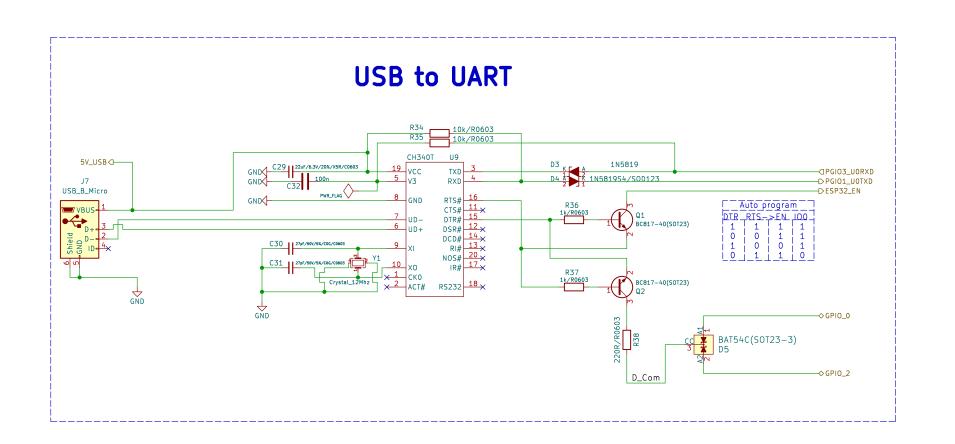
nternal Bootstra	oping Resistors
MTDI/GPI012:	Pull-Down
GP100:	Pull-Up
GP102:	Pull-Down
GPI04:	Pull-Down
MTDO/GPI015:	Pull-Up
GPI05\PHY_PWR:	Pull-Up

	2 × UART(4 pin) 1 × RS485(4 pin) 1 × I2C (2 pin) 1 × LED (1 pin) 1 × BTN (1 pin)
Ethernet, Uart 0.1.2, I2C, GPI0 12, 13, 14, 15, 16, 34, GPI 35, 36, 39 RasPi full, I2C, Uart 0.1.2	

Scaladis
Sheet: /docu/
File: docu.kicad_sch

Title: ESP32 uniBoard docu
Size: A3 Date: 2021-08-16
KiCad E.D.A. kicad 6.99.0-unknown-e7f379c31d-118-ubuntu20.04.1 Id: 3/5





J10 ToolingHole

Mounting Holes MultingHole

MH2 MountingHole

MH4
MountingHole

Sheet: /usb_2_uart/ File: usb_2_uart.kicad_sch Size: A3 Date:
KiCad E.D.A. kicad 6.99.0-unknown-e7f379c31d-118-ubuntu20.04.1