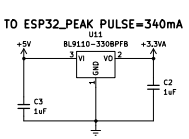
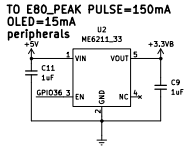
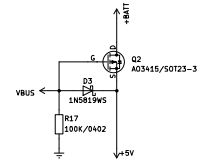


USB type-c

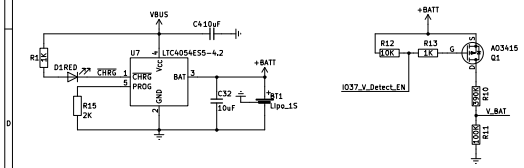




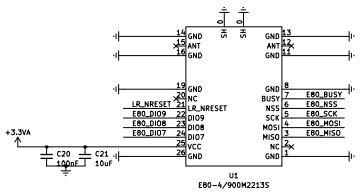
LDOA+LDOB



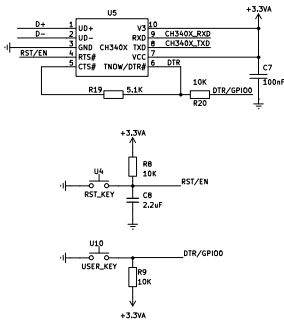
Power input switching



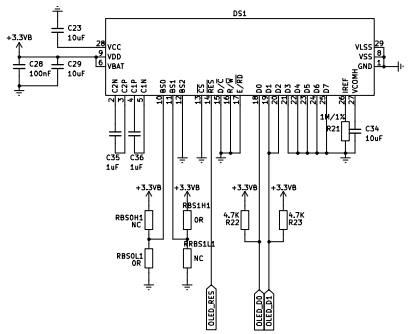
Battary charger+Detect



EBYTE LORA MOUDLE E80-4/9002213S



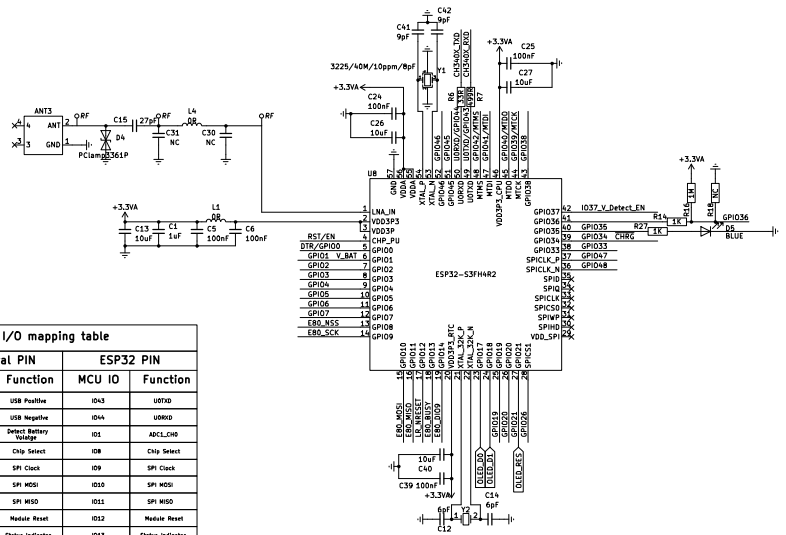
USB to Uart+AUTODownload



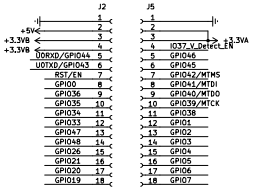
0.96 inch OLED

MODE	BS0	BS1	D0	D1	D2
IIC	0	1	PU	PU	PU
SPI_4	0	0	FL	FL	FL
SPI_3	1	0	FL	FL	FL

Peripheral and I/O mapping table				
Peripheral	Peripheral PIN		ESP32 PIN	
	Pin Name	Function	MCU IO	Function
Type-c USB	D+	USB Positive	IO43	U0TXD
	D-	USB Negative	IO44	U0RXD
Battary charger	V_BAT	Detect Battery Voltage	IO1	ADC1_CH0
LoRa Moudle	E80_NSS	Chip Select	IO8	Chip Select
	E80_SCK	SPI Clock	IO9	SPI Clock
	E80_MOSI	SPI MOSI	IO10	SPI MOSI
	E80_MISO	SPI MISO	IO11	SPI MISO
	LR_NRESET	Module Reset	IO12	Module Reset
	E80_BUSY	Status Indicator	IO13	Status Indicator
	E80_DIO9	Module IRQ	IO14	Module IRQ
OLED	OLED_D0	IIC SCL	IO17	IIC SCL
	OLED_D1	IIC SDIN	IO18	IIC SDIN



ESP32 MCU



Connectors

Sheets: /
Files: 10722-V1.1.kicad_sch
Title:
Size: A2 Date: Rev:
KiCad E.D.A. 8.0.4 Id: 1/1

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000