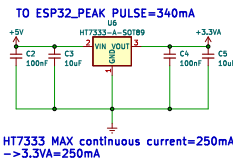
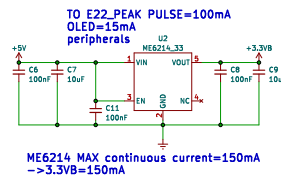


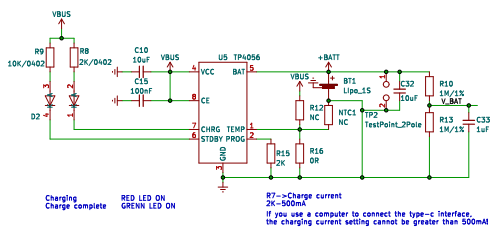
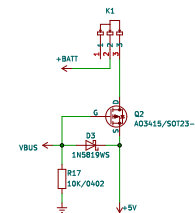
USB type--c



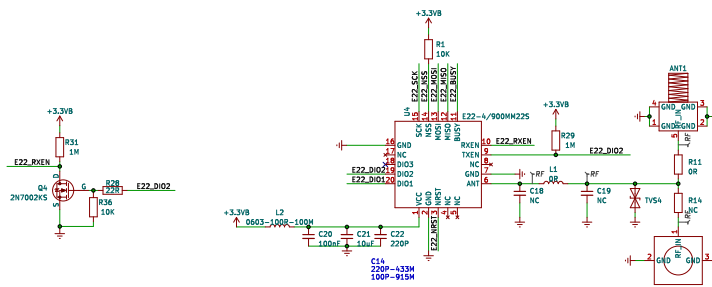
LDOA+LDOB



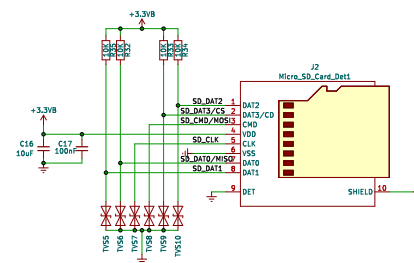
Power input switching



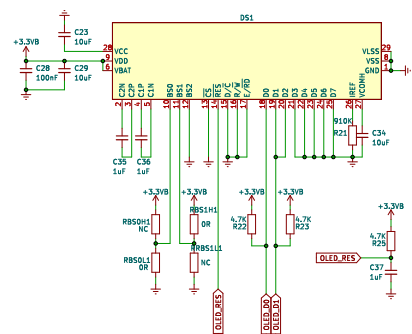
Battery charger



EBYTE LORA MODULE E22-4/900MM22S



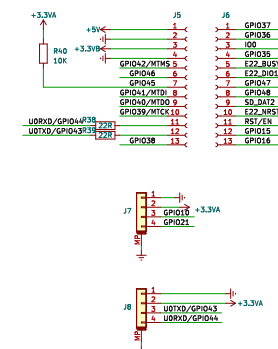
SD card



0.96 inch OLED

Peripheral and I/O mapping table				
Peripheral	Pin Name	Function	MCU IO	Function
Type-c USB	D+	USB Positive	IO20	USB Positive
	D-	USB Negative	IO19	USB Negative
Battery charger	V_BAT	Battery Voltage	IO1	BAT1_CH0
	E22_MISO	Chip Select	IO7	GPIO7
LoRa Module	E22_SCK	SPi Clock	IO8	GPIO8
	E22_MOSI	SPi MOSI	IO8	GPIO8
	E22_MISO	SPi MISO	IO3	GPIO3
	E22_M01	Module IRQ	IO33	GPIO33
	E22_M02	Status Indicator	IO34	GPIO34
	E22_M03	Module Reset	IO8	GPIO8
	SD_CMD/NOSD	Command/Reply	IO11	GPIO11
	SD_CLK	Clock	IO14	GPIO14
	SD_DATA0/MISO	I/O/PP Data Bit 0	IO2	GPIO2
	SD_DATA1	I/O/PP Data Bit 1	IO4	GPIO4
SD Card	SD_DATA2	I/O/PP Data Bit 2	IO12	GPIO12
	SD_DATA3/CS	I/O/PP Data Bit 3	IO13	GPIO13
	OLEF_D0	IC SCL	IO17	GPIO17
OLED	OLEF_D1	IC SDIN	IO18	GPIO18

ESP32 MCU



Connectors

MODE	B50	B51	D0	D1	D2
IIC	0	1	PU	PU	PU
SPL_4	0	0	FL	FL	FL
SPL_3	1	0	FL	FL	FL