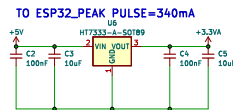
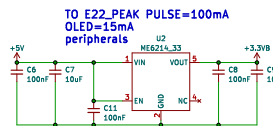


USB type--c

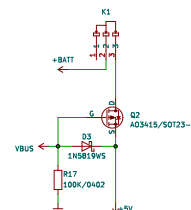


HT7333 MAX continuous current=250mA  
->>3.3VA=250mA

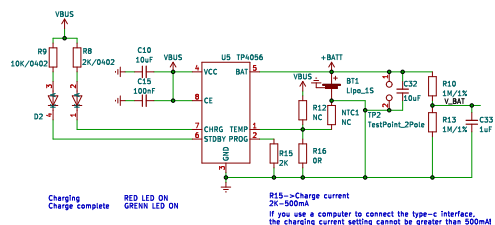


ME6214 MAX continuous current=150mA  
->>3.3VB=150mA

LDO+LDOB



Power input switching

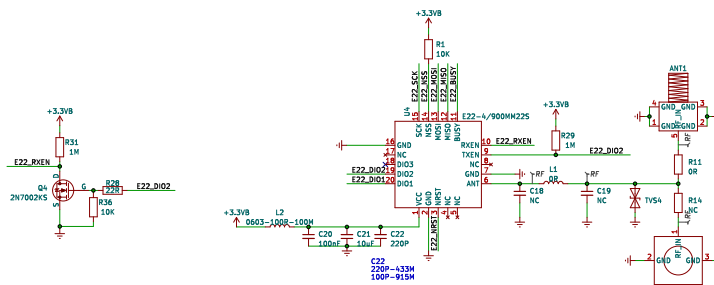


Charging RED LED ON  
Charge complete GREEN LED ON

R15= Charge current  
2K-500mA  
If you use a computer to connect the type-c interface,  
the charging current setting cannot be greater than 500mA!

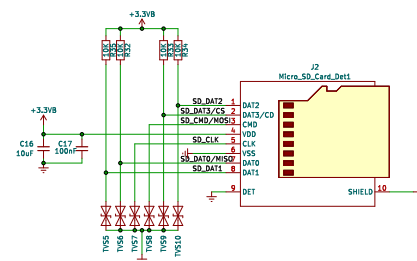
If you want to enable thermal protection,  
please refer to the TP4056 datasheet to change the R12, R16 values and weld the NTC resistor

Battery charger

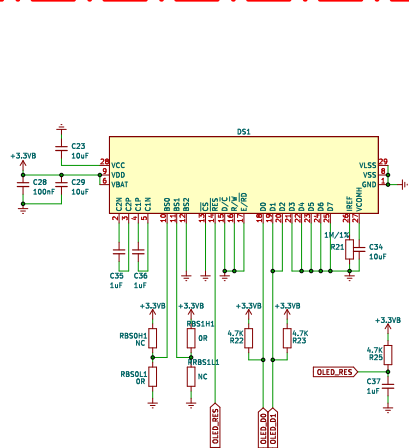


For more details about this module, please visit the EBYTE website:  
<https://www.ebyte.com/>

EBYTE LORA MODULE E22-4/900MM22S



SD card

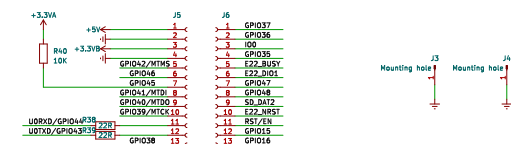


0.96 inch OLED

Peripheral and I/O mapping table				
Peripheral	Peripheral PIN		ESP32 PIN	
	Pin Name	Function	MCU IO	Function
Type-c USB	D+	USB Positive	IO20	USB Positive
	D-	USB Negative	IO18	USB Negative
Battery charger	V_BAT	Output L2 Battery Voltage	IO1	ACL_Cin6
	E22_MISO	Chip Select	IO7	GPIO7
LoRa Module	E22_SCK	SP Clock	IO6	GPIO6
	E22_MOSI	SP MOSI	IO8	GPIO8
	E22_MISO	SP MISO	IO3	GPIO3
	E22_DIO1	Module IRQ	IO33	GPIO33
	E22_BUST	Status Indicator	IO34	GPIO34
	E22_MST	Module Reset	IO8	GPIO8
SD Card	SD_CIN/MOSI	Command/Reply	IO11	GPIO11
	SD_CLK	Clock	IO14	GPIO14
	SD_DAV0/MISO	I/O/PP Data Bit 0	IO2	GPIO2
	SD_DAT1	I/O/PP Data Bit 1	IO4	GPIO4
OLED	SD_DAT2	I/O/PP Data Bit 2	IO12	GPIO12
	SD_DAT3/CS	I/O/PP Data Bit 3	IO13	GPIO13
	OLED_D0	IC SCL	IO17	GPIO17
	OLED_D1	IC SDIN	IO18	GPIO18

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

ESP32 MCU



Connectors