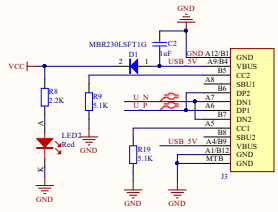
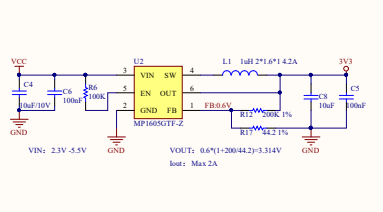


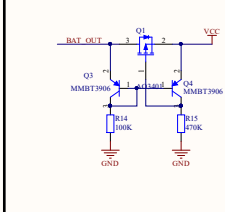
### Type-C Interface



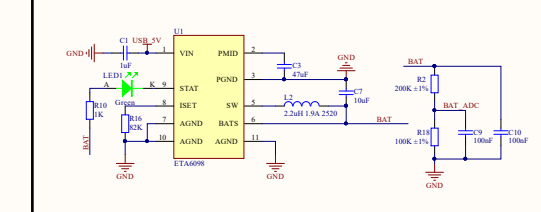
### Power Regulation



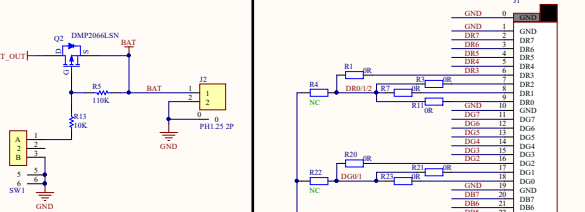
### Battery Protection



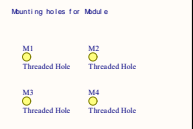
### Battery Monitoring



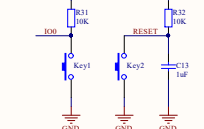
### GPIO Expansion



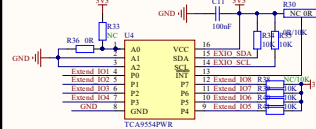
### Mechanical



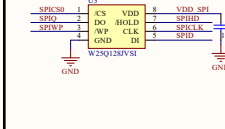
### IO Extension



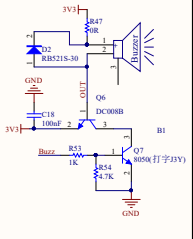
### IO Extension



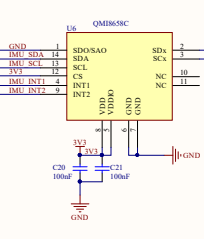
### IO Extension



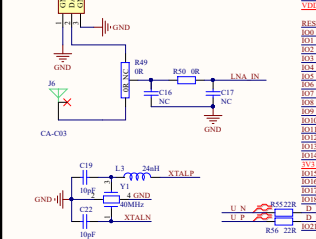
### Buzzer



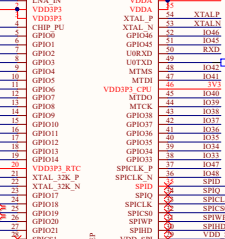
### IO Extension



### IO Extension



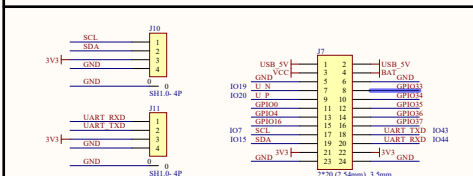
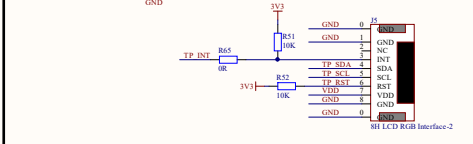
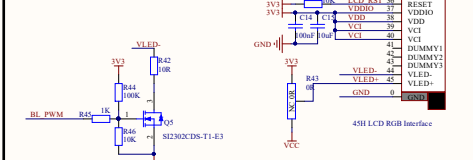
### IO Extension



### GPIO Pin List

GPIO	LCD	SD Card	IMU	RTC	UART	EXIO	IC2	Other	External
GPIO0								GPIO0	GPIO00
GPIO1	LCD_SDA	SD_MOSI							
GPIO2	LCD_SCK	SD_SCLK							
GPIO3	DR4								
GPIO4								ADC	GPIO4
GPIO5	DB1								
GPIO6	BL_PWM								
GPIO7	TP_SCL		IMU_SCL	RTC_SCL		EXIO_SCL	SCL		GPIO07
GPIO8	DB5								
GPIO9	DG7								
GPIO10	DG6								
GPIO11	DG5								
GPIO12	DG4								
GPIO13	DG3								
GPIO14	DG2								
GPIO15	TP_SDA		IMU_SDA	RTC_SDA		EXIO_SDA	SDA		GPIO15
GPIO16	TP_INT								GPIO16
GPIO17	DR7								
GPIO18	DR6								
GPIO19								D.N	GPIO19
GPIO20								D.P	GPIO20
GPIO21	DB7								
GPIO22									
GPIO23								Internal occupancy	GPIO23
GPIO24								Internal occupancy	GPIO24
GPIO25								Internal occupancy	GPIO25
GPIO26								Internal occupancy	GPIO26
GPIO27								Internal occupancy	GPIO27
GPIO28	HSYNC								
GPIO29	VSYNC								
GPIO30	DE								
GPIO31	PCLK								
GPIO32		SD_MISO							
EXT0					UART_TXD				GPIO34
EXT1					UART_RXD				GPIO34
EXT2									
EXT3	LCD_CS	SD_CS							
EXT4									
EXT5									
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### Backlight



ESP32-S3-Touch-LCD-2.8B