

[illegible]

VIN: 2.3V-5.5V

VOLT:  $0.6 \times (1 + 200/44.2) = 3.314V$

Iout: Max 2A

3V3

BAT\_ADC



U3 QMI8659C

3V3

2 3

10 11

IMU\_SDA IMU\_SCL SDA SCL IMU\_INT1 IMU\_INT2 EXIO0 EXIO1

SDO/SAO SDA SCL CS INT1 INT2 VDD VDDIO GND SDC SCx NC NC

C15 100nF C16 100nF

GND

1.9 INCH

LCD\_RST 1  
LCD\_CLK 2  
LCD\_DC 3  
LCD\_CS 4  
VDD 5  
GND 6  
LCD\_DIN 7  
LED\_A 10  
SCL 17  
SDA 18

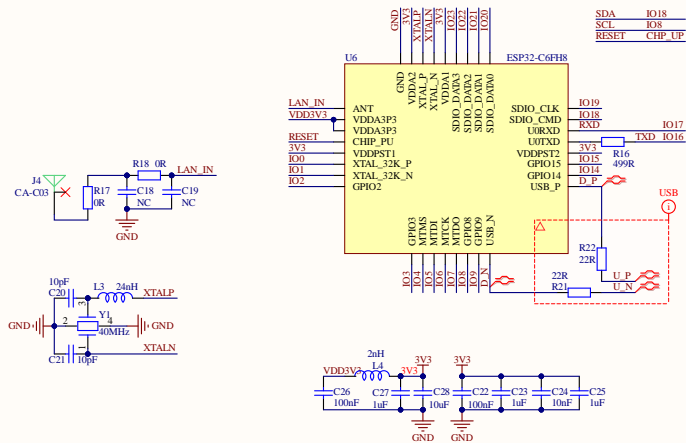
LED\_A : V<sub>F</sub> = 3.0V-3.1V IF=80mA

3V3 R31 6.8k  
C12 100nF  
GND

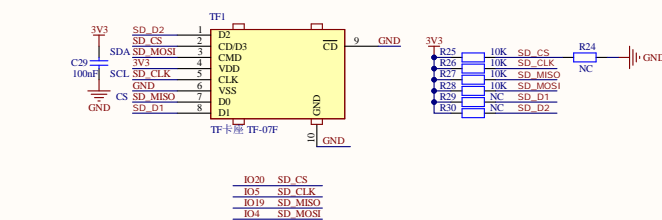
3V3 R13 10k R14 10k  
SCL SDA

LCD\_CS IO14  
LCD\_DIN IO15  
LCD\_RST IO14  
LCD\_CLK IO15  
LCD\_DC IO16

GND 0



Waveshare  
ESP32-C6-LCD-1.9



J5		J6	
TXD	I016		USB_V5
RXD	I017		V5V5
	GND	3	GND
	I00	4	V3_5N
	I01	5	V3_5
	I02	6	ADC_VREF
	I03	7	I022
	GND	8	GND
	I08	9	I023
	I09	10	EXI00
	I010	11	CHP_U0
	I011	12	EXI01
	GND	13	GND
	I014	14	EXI02
	I015	15	EXI03
	I018	16	EXI04
	I019	17	EXI05
	GND	18	GND
	I020	19	EXI06
	I021	20	EXI07

GPIO	LCD	SD Card	IMU	UART	I2C	KEY_IO	Other
IO0							BAI_ADC
IO1							IO1
IO2							IO2
IO3	RGB_IO						IO3
IO4	LCD_DIN	SD_MOSI					IO4
IO5	LCD_CLK	SD_CLK					IO5
IO6	LCD_DC						IO6
IO7	LCD_CS						IO7
IO8			IMU_SCL		SCL		IO8
IO9						BOOT0	IO9
IO12							IO12
IO13							IO13
IO14	LCD_RST						IO14
IO15	LCD_BL						IO15
IO16				U0TX			IO16
IO17				U0RX			IO17
IO18			IMU_SDA		SDA		IO18
IO19		SD_MISO					IO19
IO20		SD_CS					IO20
IO21							IO21
IO22							IO22
IO23							IO23
RESET						RESET	
EXIO0			IMU_INT1				EXIO0
EXIO1			IMU_INT2				EXIO1
EXIO2							EXIO2
EXIO3							EXIO3
EXIO4							EXIO4
EXIO5							EXIO5
EXIO6							EXIO6
EXIO7							EXIO7