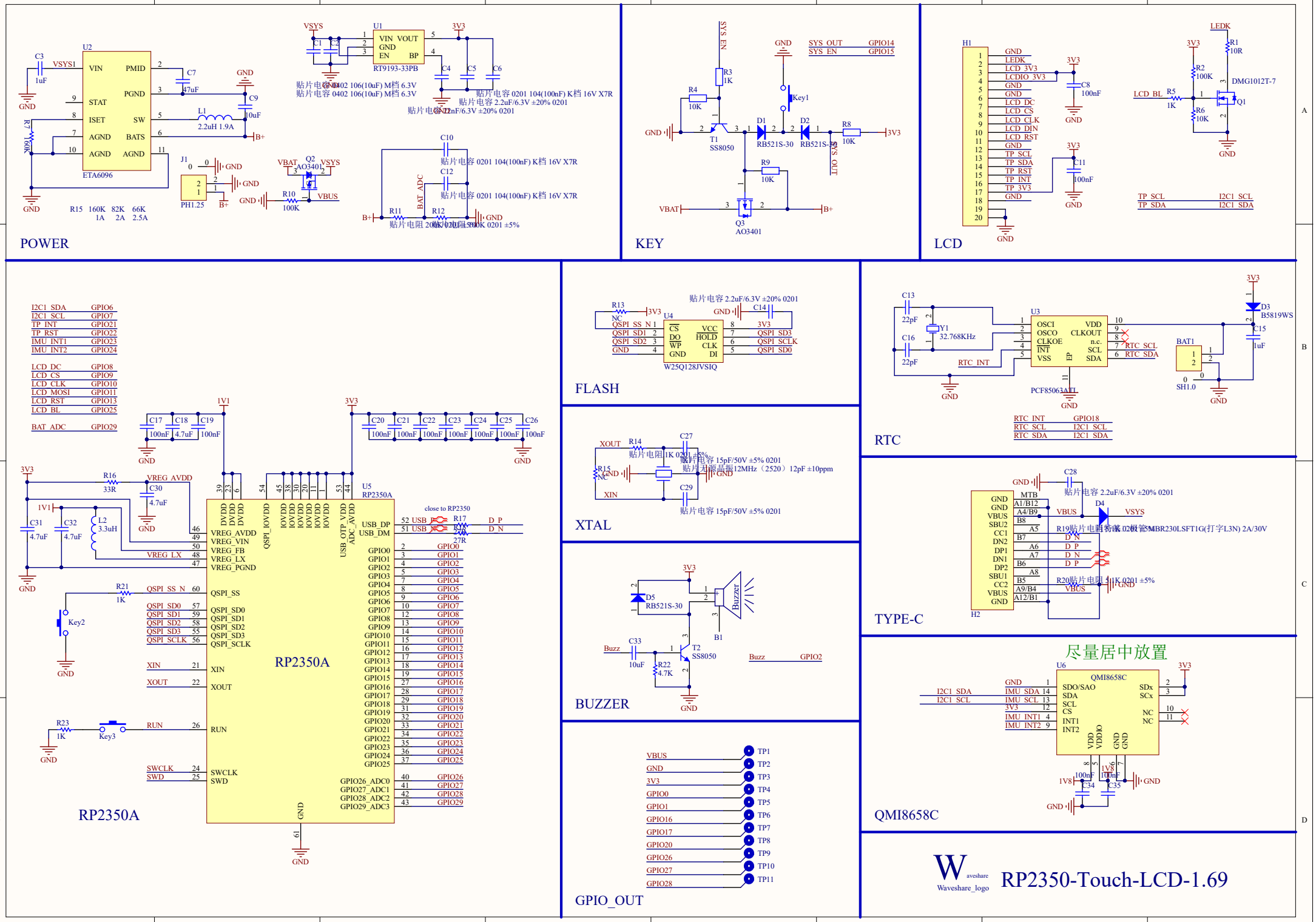
POWER
U2
ETA6096
VIN
PMID
PGND
STAT
ISET
SW
AGND
BATS
AGND
AGND
R15 160K 82K 66K
1A 2A 2.5A
U1
RT9193-33PB
VIN VOUT
GND
EN
BP
VSYS
3V3
C3 1uF
C7 47uF
C9 10uF
L1 2.2uH 1.9A
R7 160K
J1
PH1.25
Q2 AO3401
R10 100K
VBAT
VBUS
C10
C12
BAT_ADC
R11
R12
C4
C5
C6
C1
C2
贴片电容 0402 106(10uF) M档 6.3V
贴片电容 0201 104(100nF) K档 16V X7R
贴片电容 2.2uF/6.3V ±20% 0201
贴片电容 0201 104(100nF) K档 16V X7R
贴片电容 0201 104(100nF) K档 16V X7R
贴片电容 2.2uF/6.3V ±20% 0201
贴片电容 0201 104(100nF) K档 16V X7R
贴片电容 0201 104(100nF) K档 16V X7R
贴片电容 2.2uF/6.3V ±20% 0201
KEY
SYS_EN
R3 1K
R4 10K
T1 SS8050
D1 RB521S-30
D2 RB521S-30
R8 10K
R9 10K
Key1
Q3 AO3401
SYS_OUT
GPIO14
SYS_EN
GPIO15
VBAT
B+
LCD
H1
GND
LEDK
LCD_3V3
LCDIO_3V3
LCD_DC
LCD_CS
LCD_CLK
LCD_DIN
LCD_RST
TP_SCL
TP_SDA
TP_RST
TP_INT
TP_3V3
C8 100nF
C11 100nF
R1 10R
R2 100K
R5 1K
R6 10K
DMG1012T-7
Q1
LCD_BL
TP_SCL
TP_SDA
I2C1_SCL
I2C1_SDA
RP2350A
I2C1_SDA GPIO6
I2C1_SCL GPIO7
TP_INT GPIO21
TP_RST GPIO22
IMU_INT1 GPIO23
IMU_INT2 GPIO24
LCD_DC GPIO8
LCD_CS GPIO9
LCD_CLK GPIO10
LCD_MOSI GPIO11
LCD_RST GPIO13
LCD_BL GPIO25
BAT_ADC GPIO29
U5 RP2350A
close to RP2350
R16 33R
VREG_AVDD
C30 4.7uF
C31 4.7uF
C32 4.7uF
L2 3.3uH
VREG_LX
R21 1K
QSPI_SS_N
Key2
XIN
XOUT
R23 1K
Key3
RUN
SWCLK
SWD
USB_DP
USB_DM
R17 27R
D_P
D_N
GPIO26_ADC0
GPIO27_ADC1
GPIO28_ADC2
GPIO29_ADC3
FLASH
U4
W25Q128JVSIQ
R13 NC
C14
QSPI_SS_N
QSPI_SD1
QSPI_SD2
QSPI_SD3
QSPI_SCLK
QSPI_SD0
XTAL
R14
C27
R15 NC
C29
贴片电容 15pF/50V ±5% 0201
贴片电容 15pF/50V ±5% 0201
贴片无源晶振12MHz（2520）12pF ±10ppm
BUZZER
D5 RB521S-30
B1
Buzzer
C33 10uF
R22 4.7K
T2 SS8050
Buzz
GPIO2
GPIO_OUT
VBUS
GND
3V3
GPIO0
GPIO1
GPIO16
GPIO17
GPIO20
GPIO26
GPIO27
GPIO28
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
RTC
U3
PCF85063ATL
C13 22pF
C16 22pF
Y1 32.768KHz
RTC_INT
RTC_SCL
RTC_SDA
BAT1
SH1.0
D3 B5819WS
C15 1uF
RTC_INT GPIO18
RTC_SCL I2C1_SCL
RTC_SDA I2C1_SDA
TYPE-C
H2
C28
D4
MTB
VBUS
VSYS
R19
R20
贴片电容 2.2uF/6.3V ±20% 0201
贴片电阻 5.1K 0201 ±5%
QMI8658C
尽量居中放置
U6
QMI8658C
SDO/SAO
SDA
SCL
CS
INT1
INT2
SDx
SCx
NC
NC
I2C1_SDA
I2C1_SCL
IMU_SDA
IMU_SCL
IMU_INT1
IMU_INT2
C34
C35
1V8
Waveshare
Waveshare_logo
RP2350-Touch-LCD-1.69