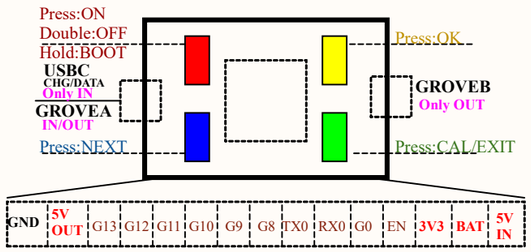
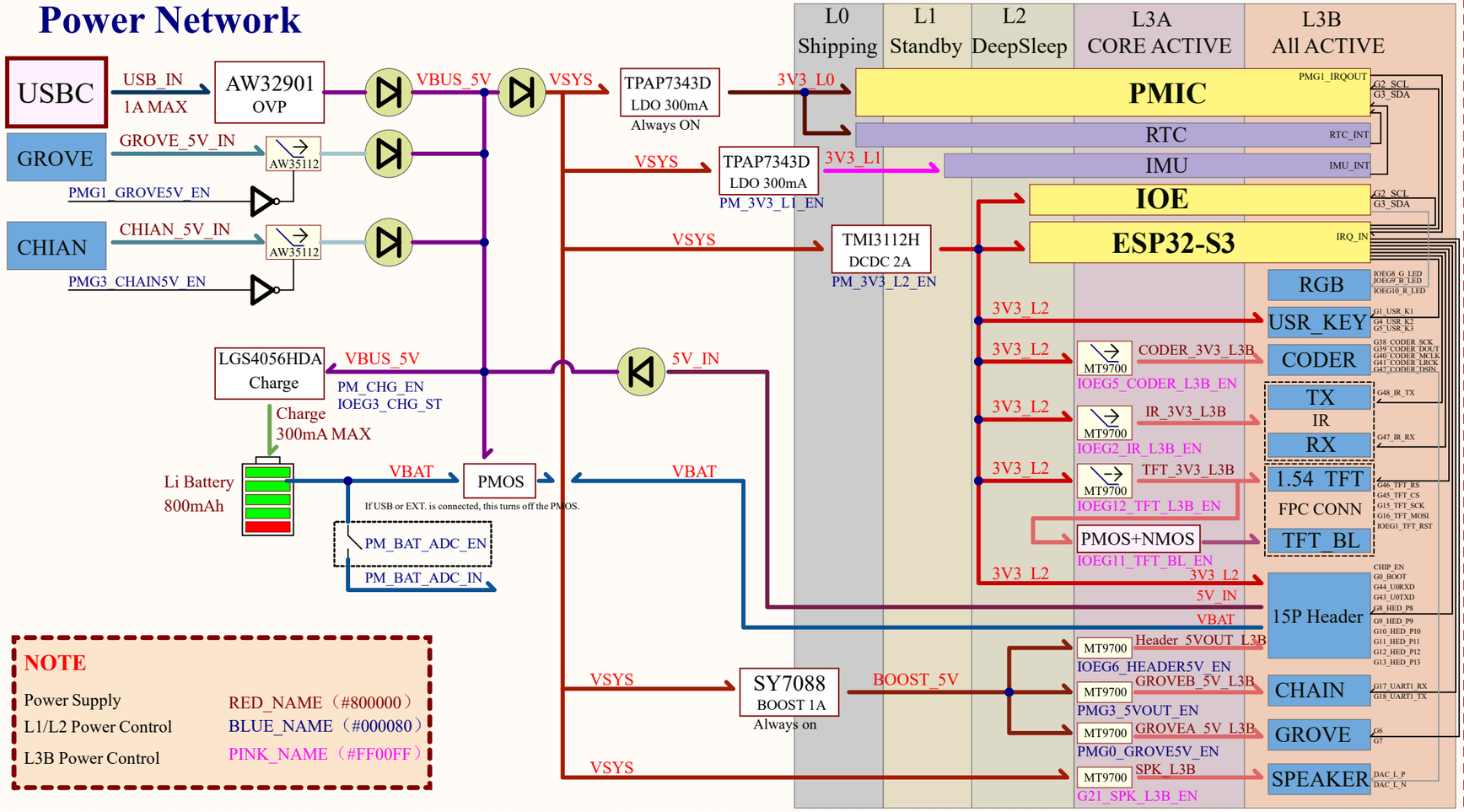
Functions

	Class	PowerMode L0	L1	L2	L3A	L3B	Features
SOC	S3						ESP32-S3R8
POWER	PMIC						PY32
POWER	BATTERY						800mAh Li Battery
PERIPH.	PWR_BTN						x1,Power Function
PERIPH.	RTC						Real Time Clock
PERIPH.	IMU						IMU,Interrupt
PERIPH.	USR_EKY						x3,User Function
PERIPH.	IR						IR TX/RX
PERIPH.	RGB						RGB Light
PERIPH.	CODER						Audio Code
PERIPH.	SPEAKER						Speaker
PERIPH.	GROVE						x2,GROVEA&B



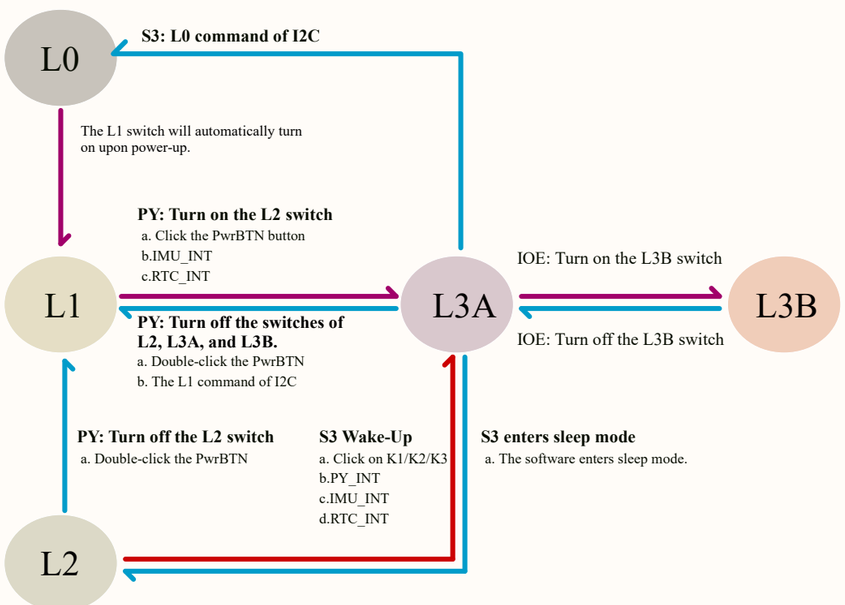
Power Network



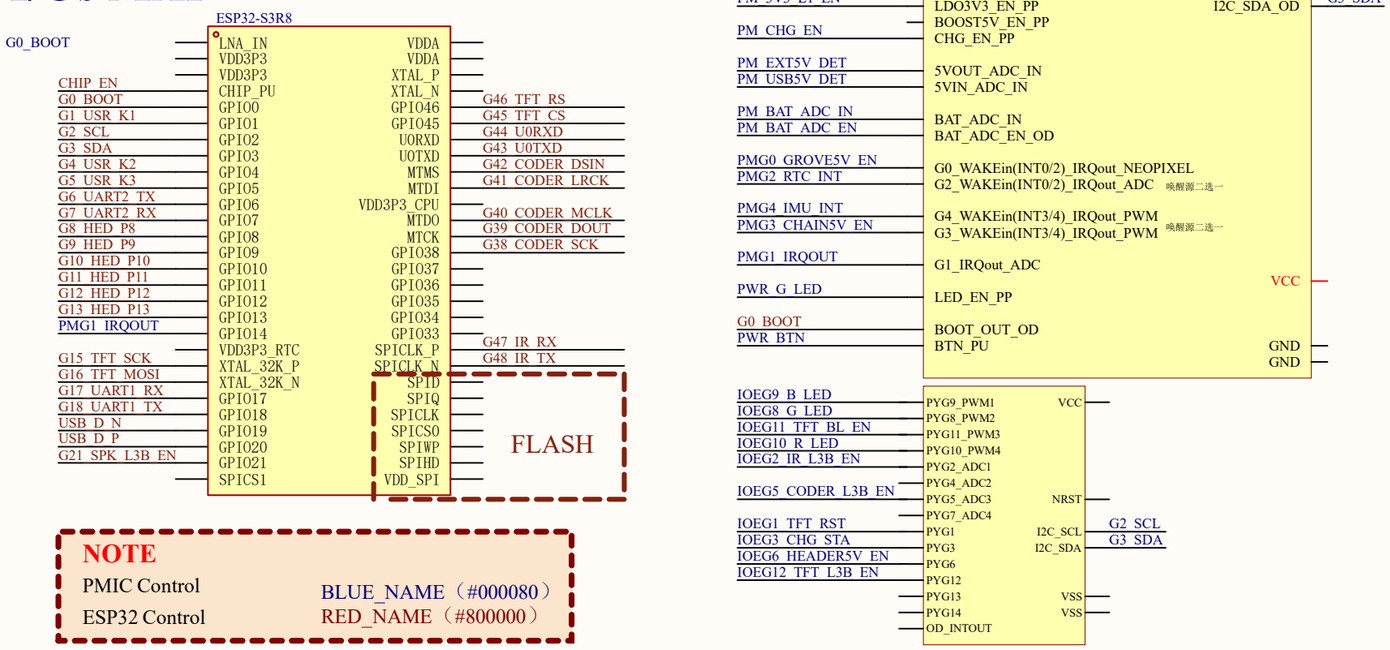
NOTE

Power Supply	RED_NAME（#800000）
L1/L2 Power Control	BLUE_NAME（#000080）
L3B Power Control	PINK_NAME（#FF00FF）

Power Mode



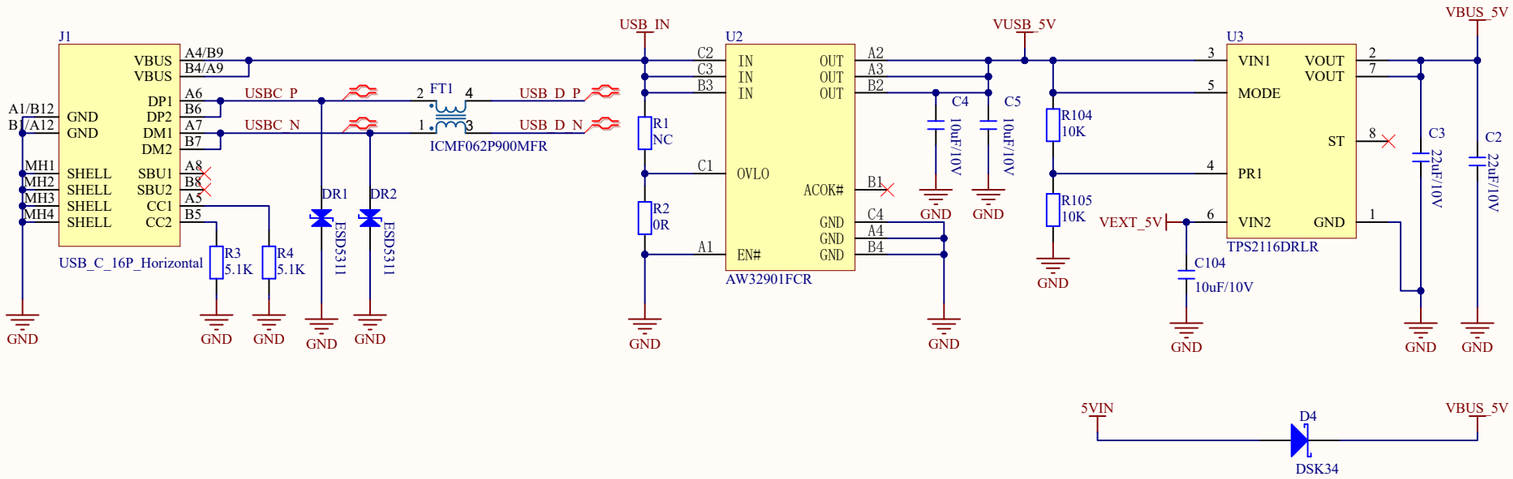
I/Os MAP

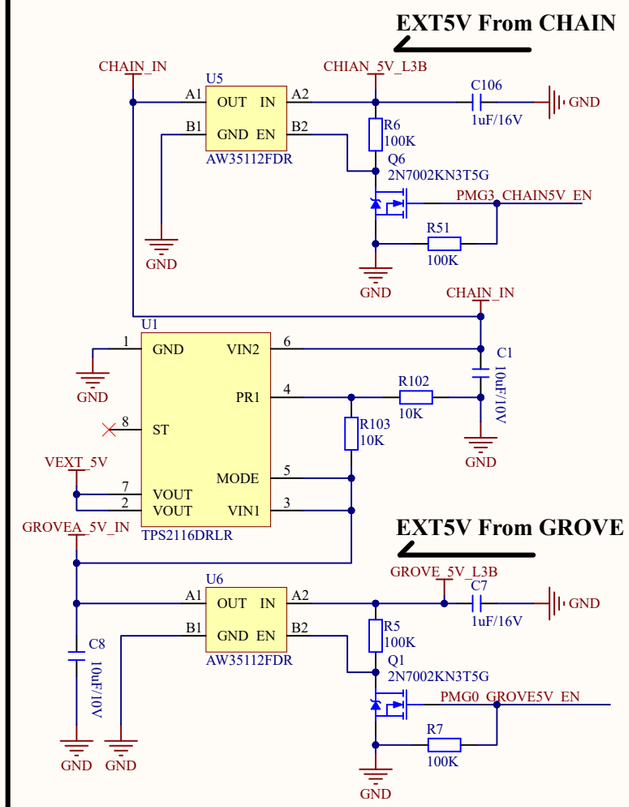


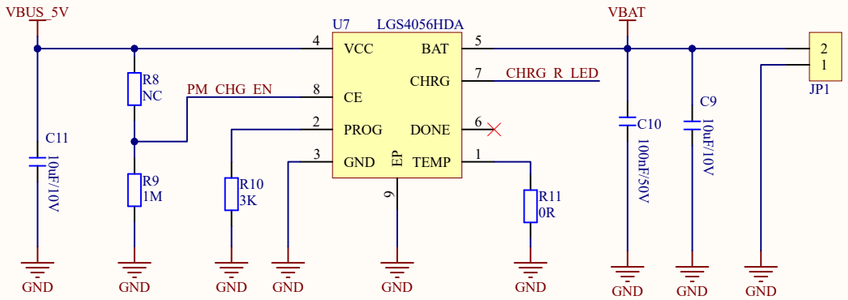
NOTE

PMIC Control	BLUE_NAME（#000080）
ESP32 Control	RED_NAME（#800000）

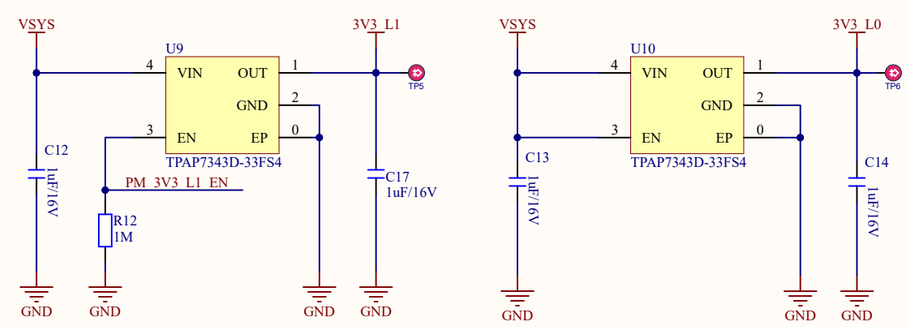
03 Power management

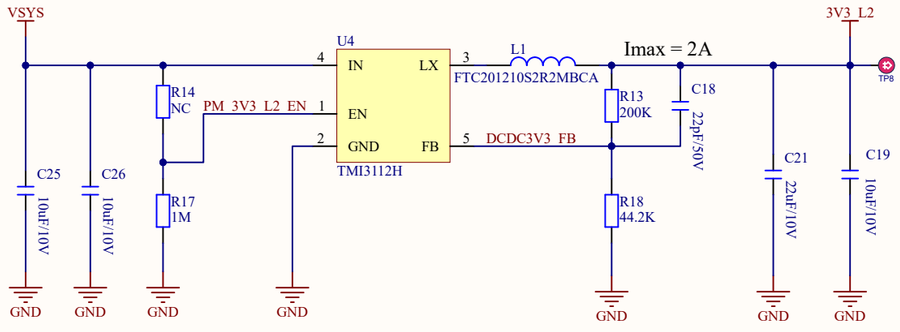




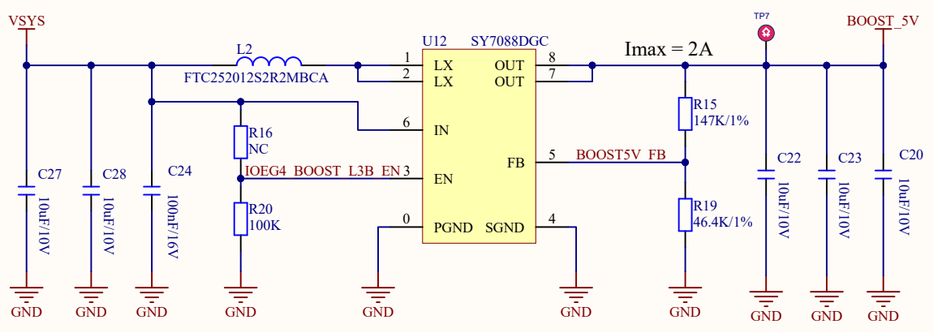


Charging I = 900/RL = 300mA





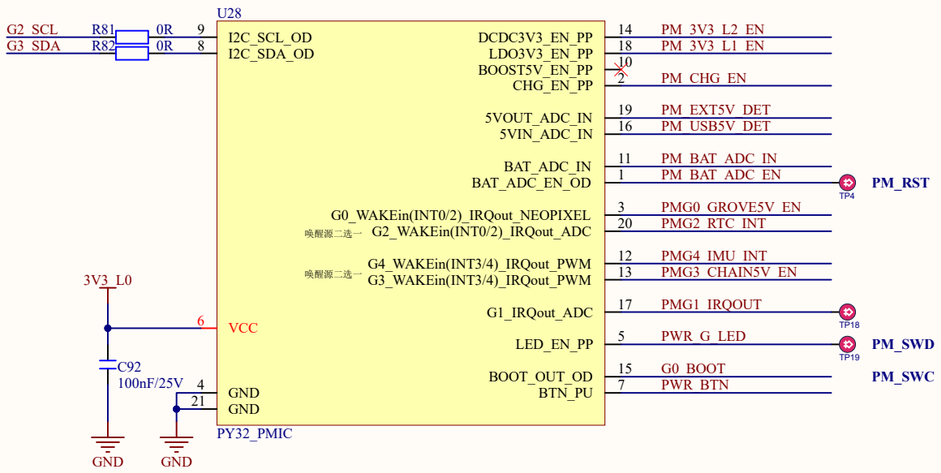
Vout = 0.6(1+RH/RL)=3.315V



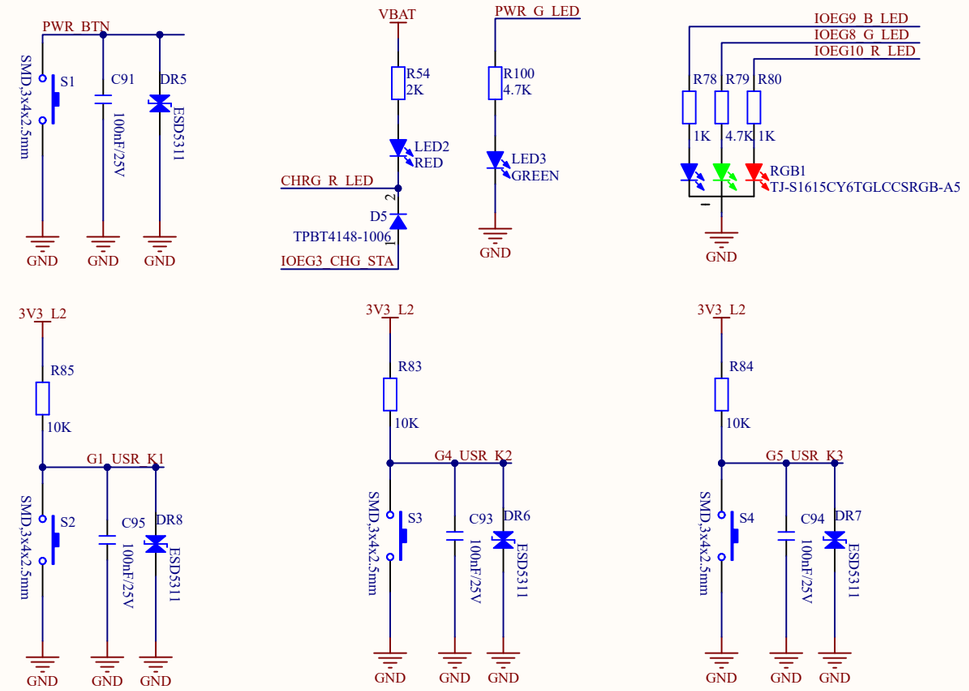
Vout = 1.2(1+RH/RL)=5.0V

04 PMU & GROVE

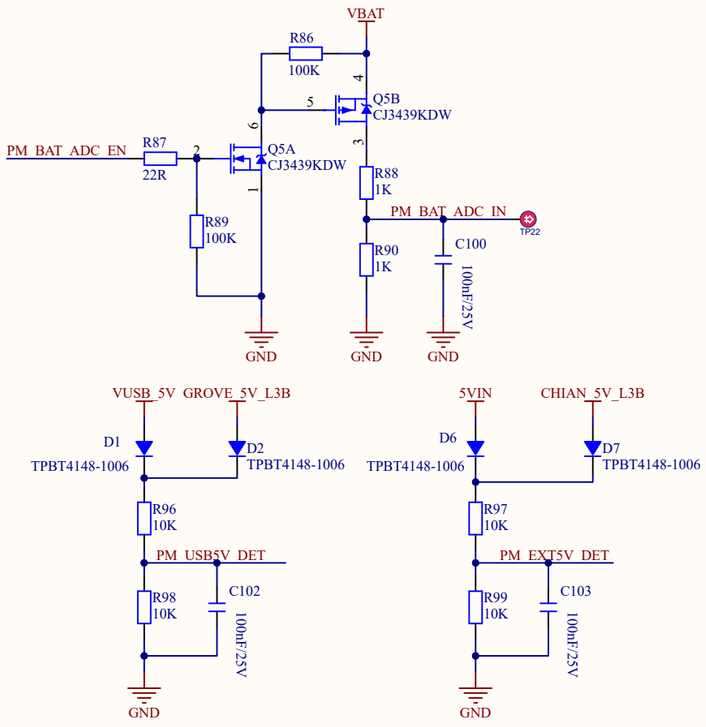
IIC Address:0x6E



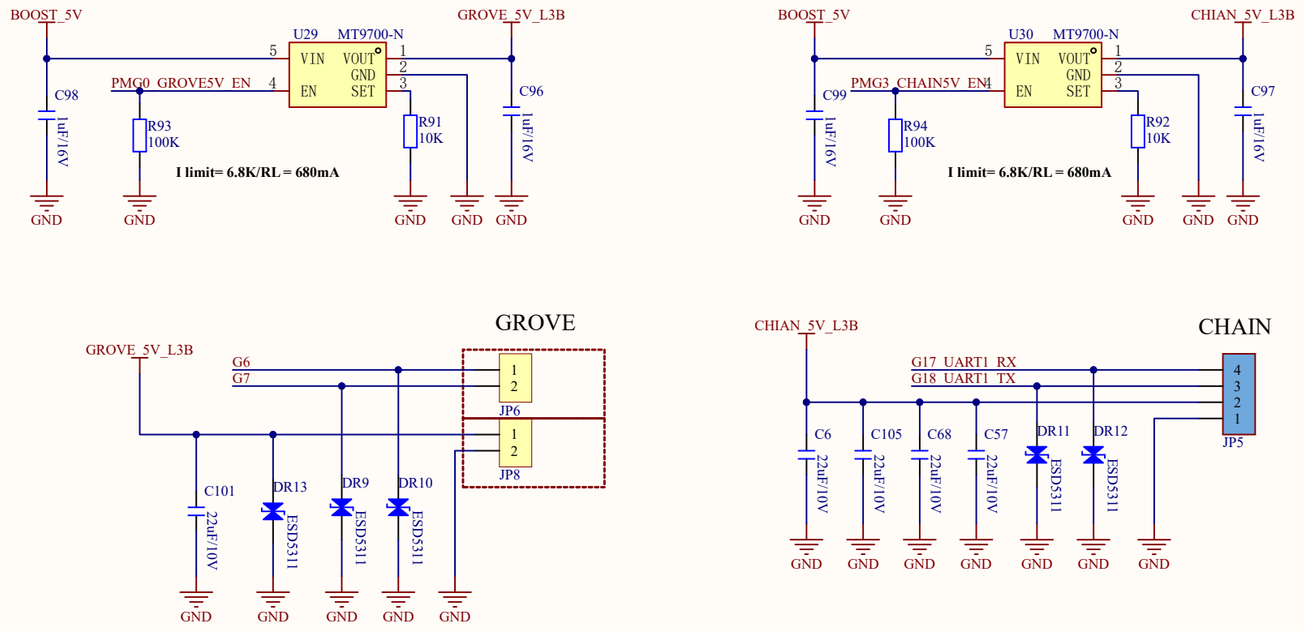
KEY & RGB



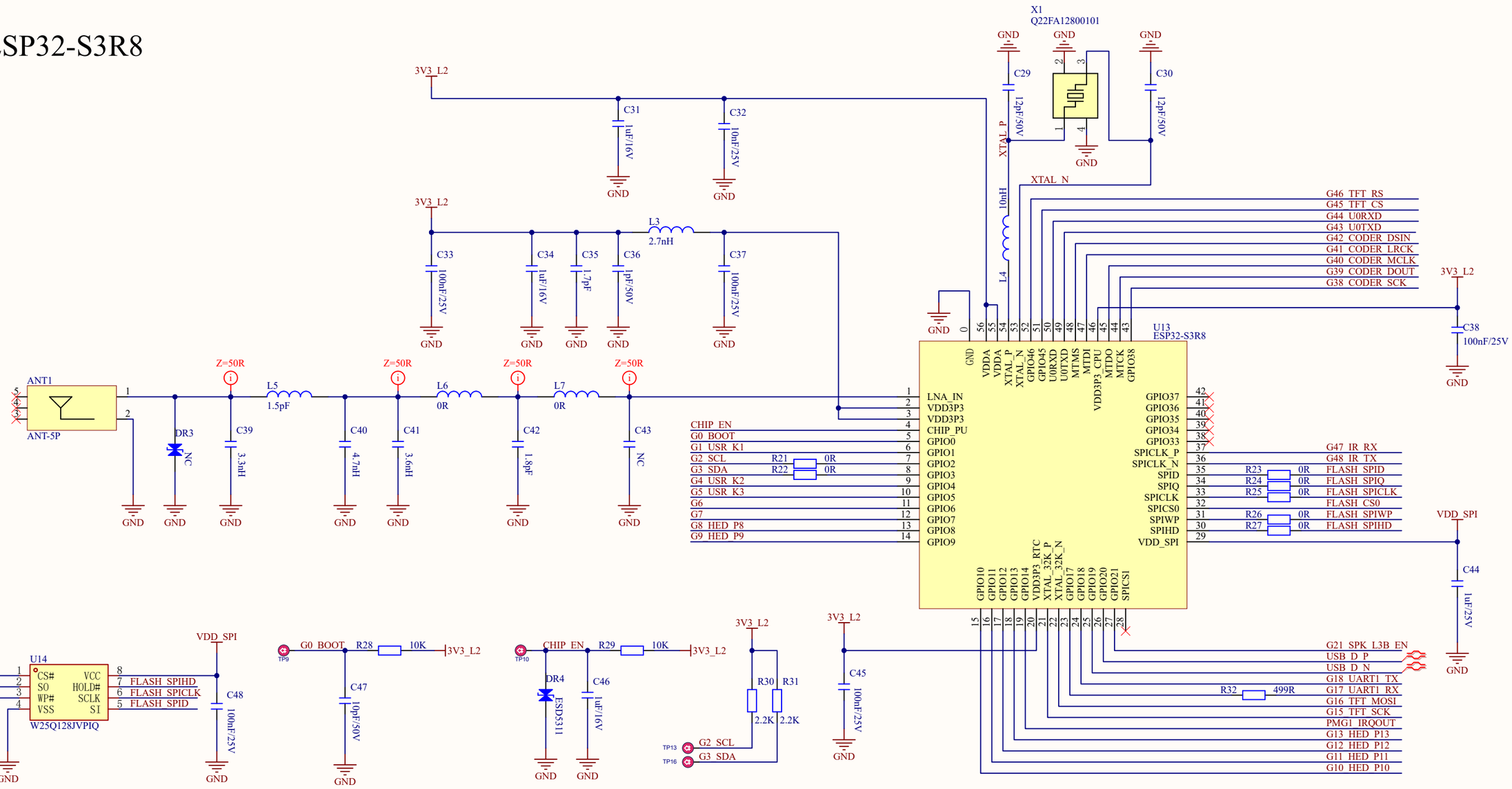
INPUT DET



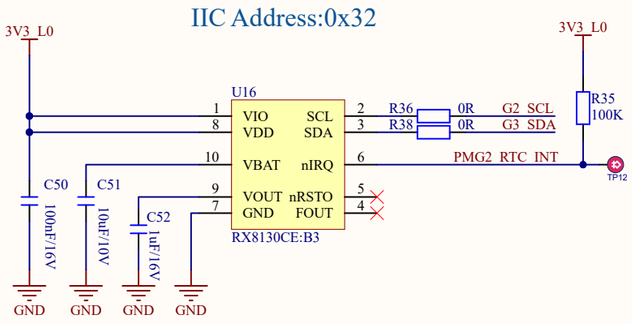
GROVE



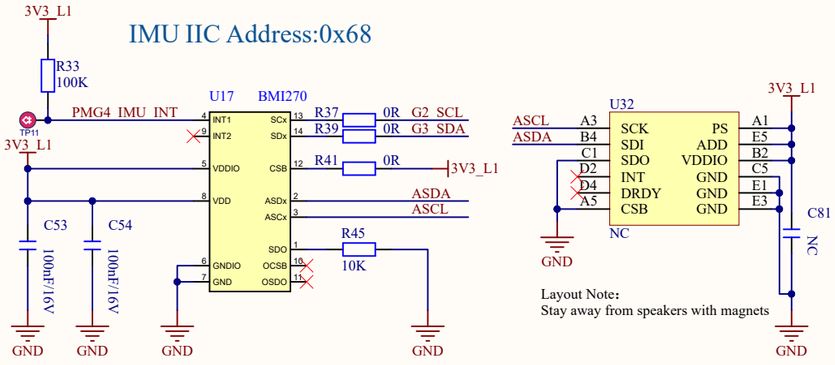
05 ESP32-S3R8



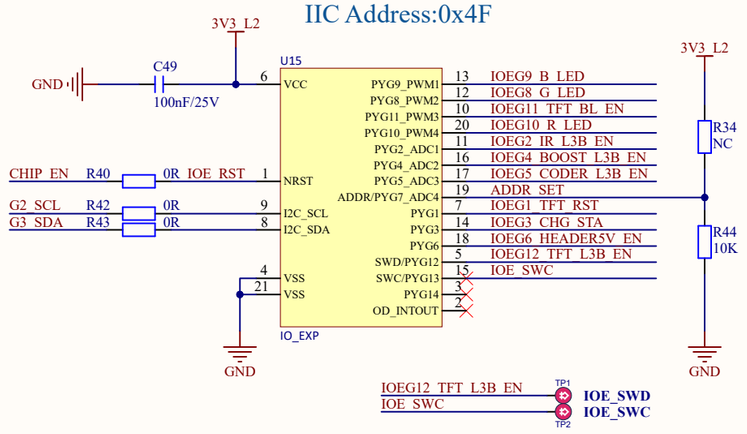
RTC



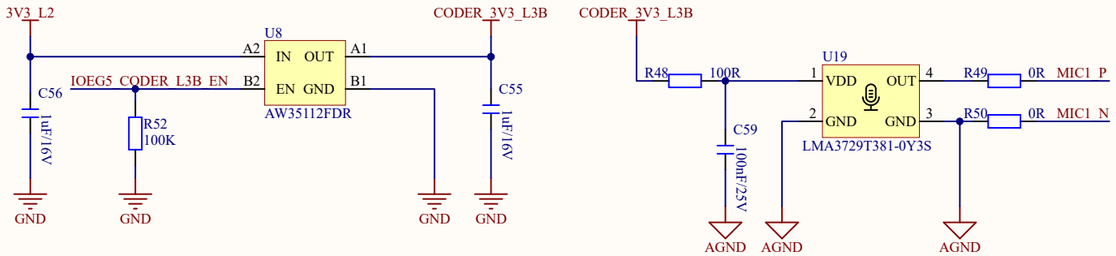
IMU & MAG



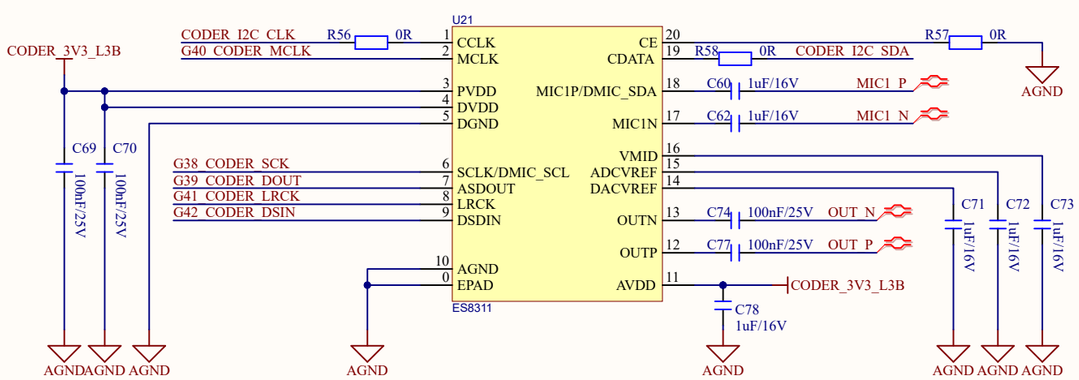
IOE



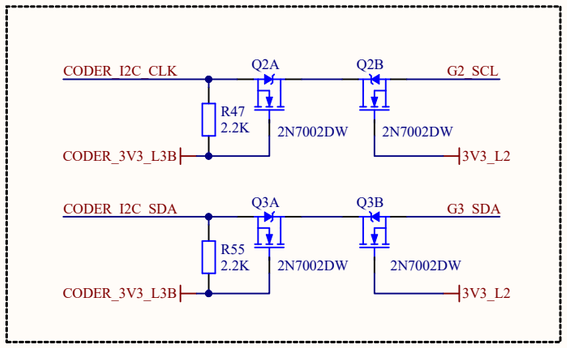
CODER



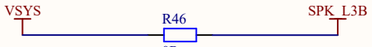
IIC Address:0x18

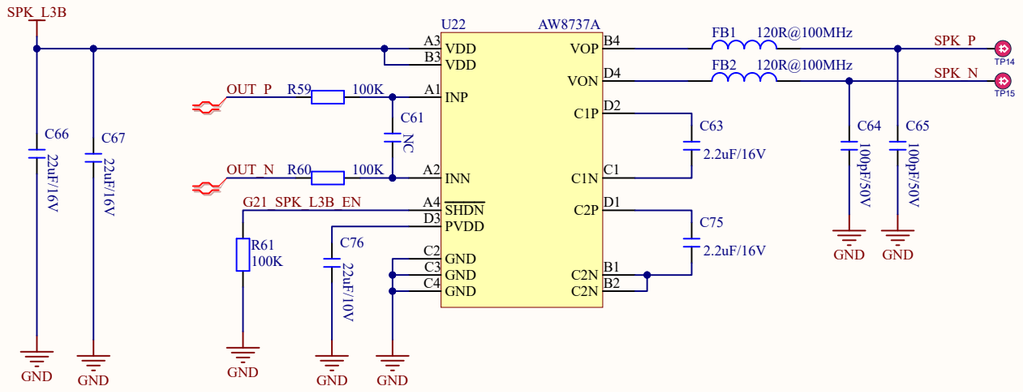




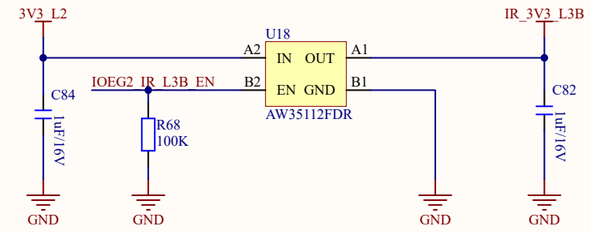


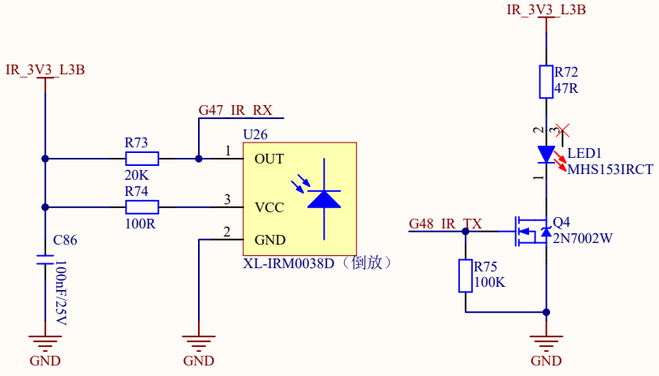
SPEAKER



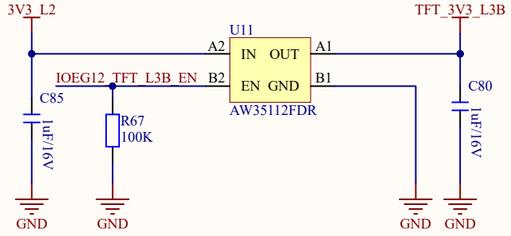


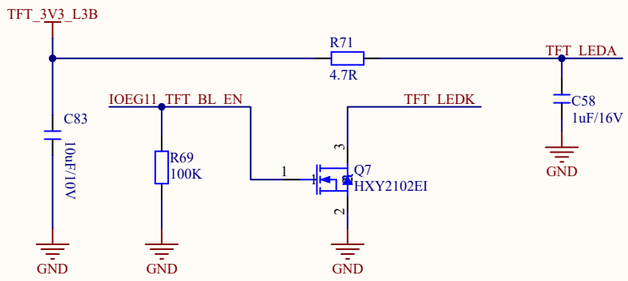
IR TX&RX

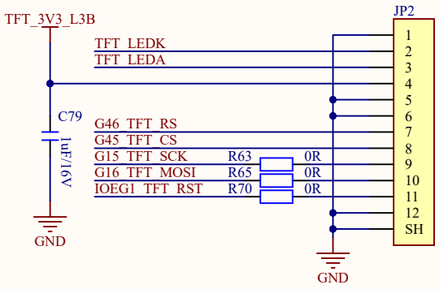




TFT & BL







HEADER

