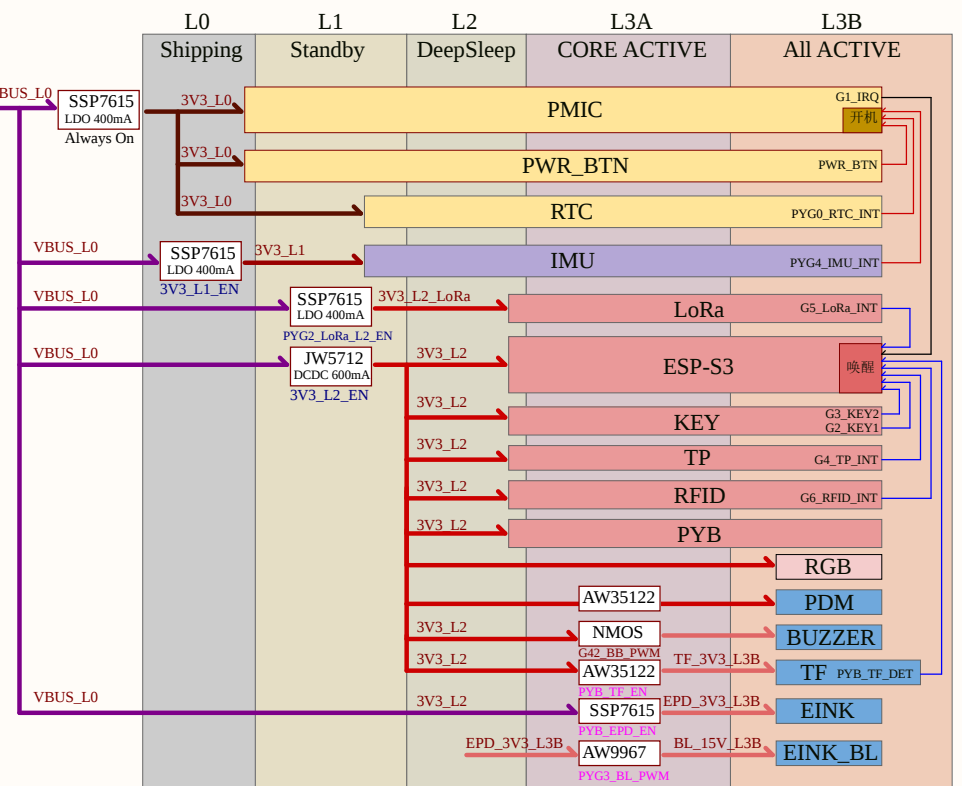
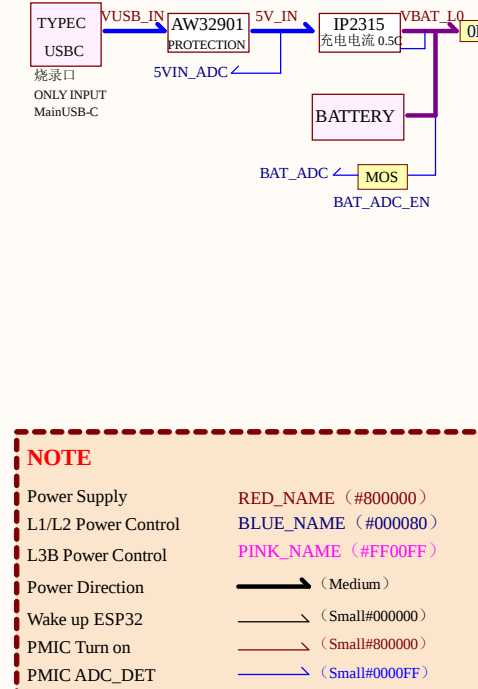


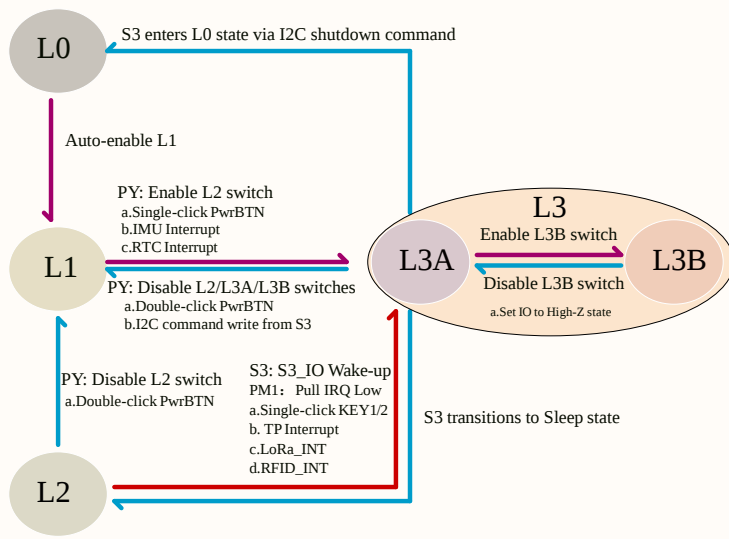
Functions

	Class	PowerMode					Features
		L0	L1	L2	L3A	L3B	
SOC	S3						ESP32-S3-R8
	PYB						PY32L020F15U6_IIC
POWER	PMIC						PY32L020F15U6
	BATTERY						Li-ion Battery
HMI	EINK						EINK
	TP						Touch-to-wake supported
	BUTTON						Wake-up support
FUNC.	RTC						RX8130CE;Wake-up support
	IMU						BM1270;Wake-up support
	LoRa						SX1262;Wake-up support
	NFC						ST25R3916;Wake-up support
	EINK_BL						EINK
	TF						TF
	RGB						RGB LED
	PDM						MEMS Microphone
	BUZZER						BEEP

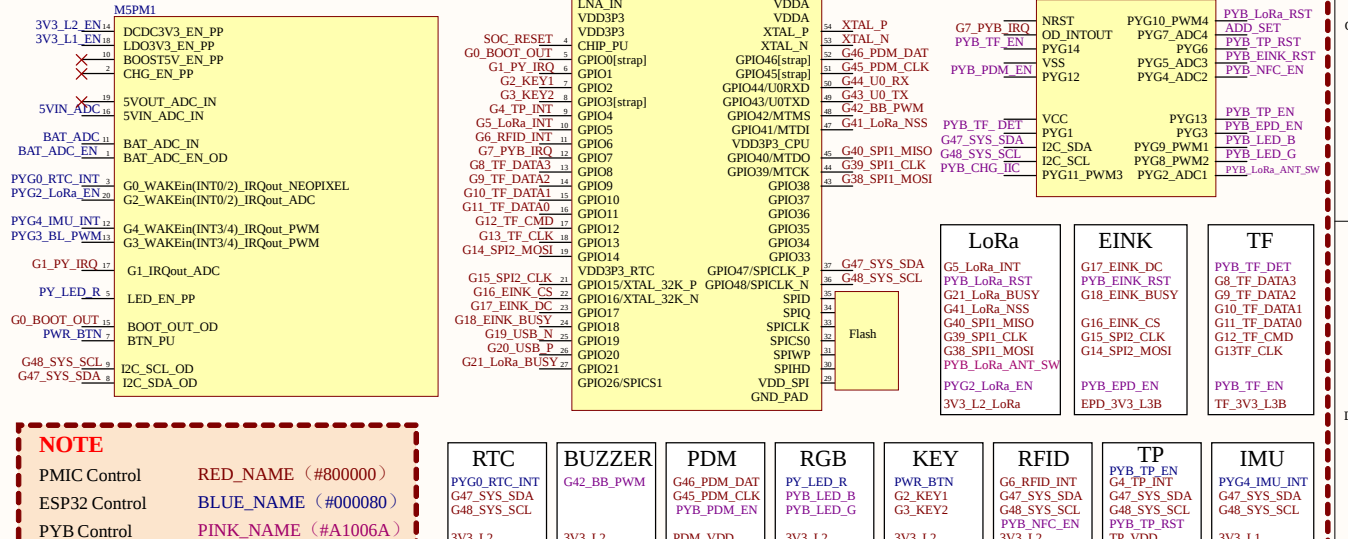
Power Network

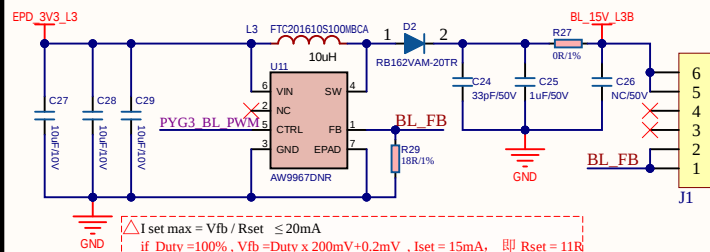
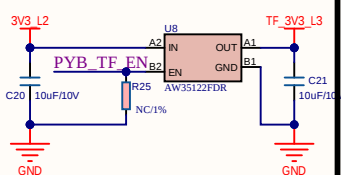
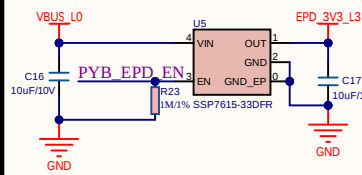
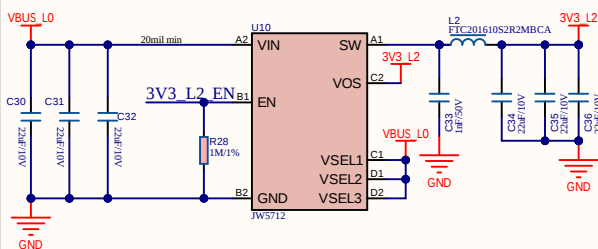
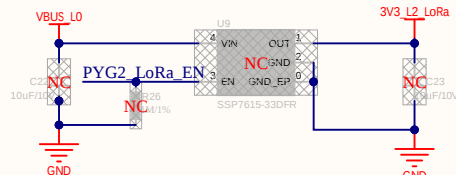
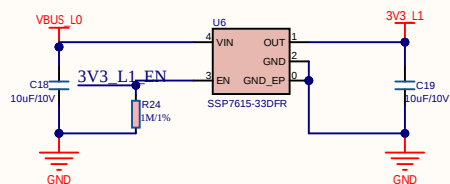
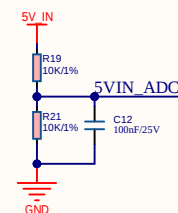
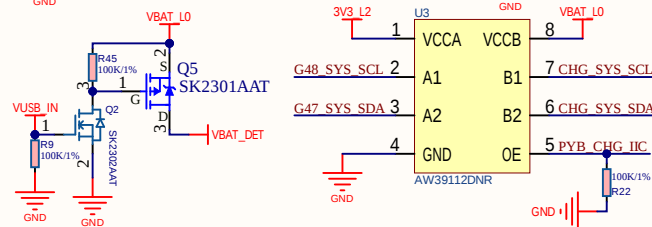
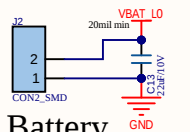
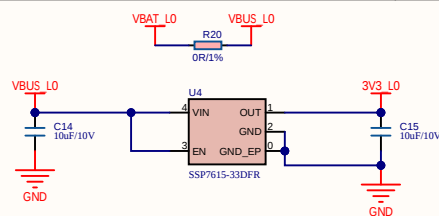
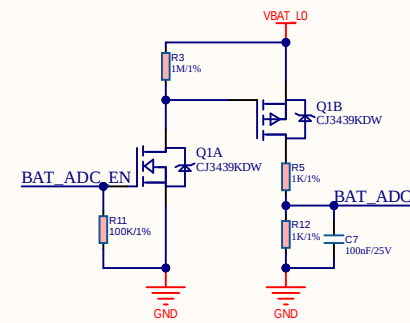
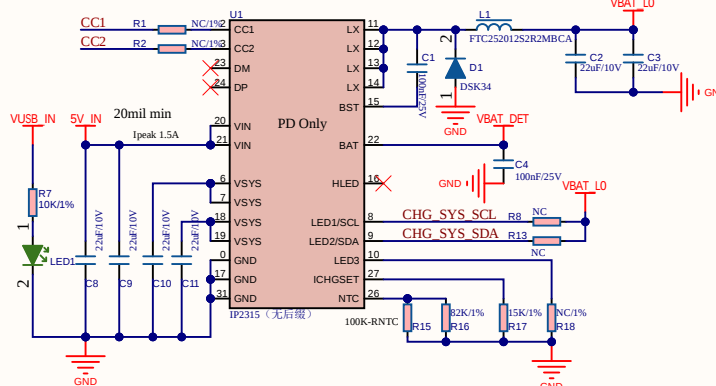
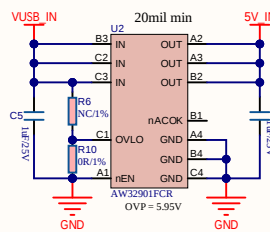
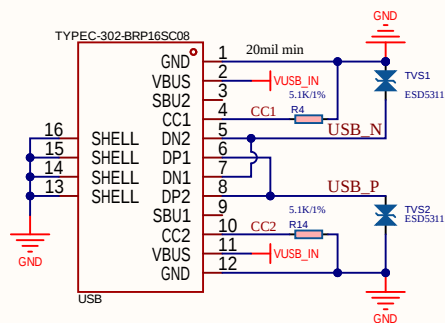


Power Mode

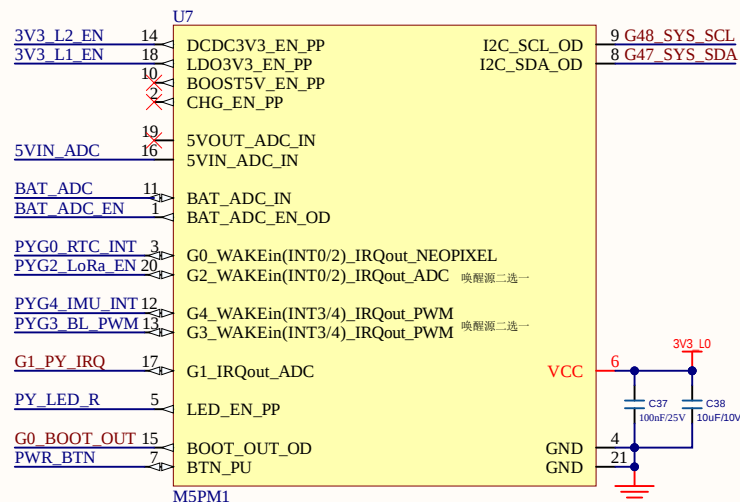


I/Os Map



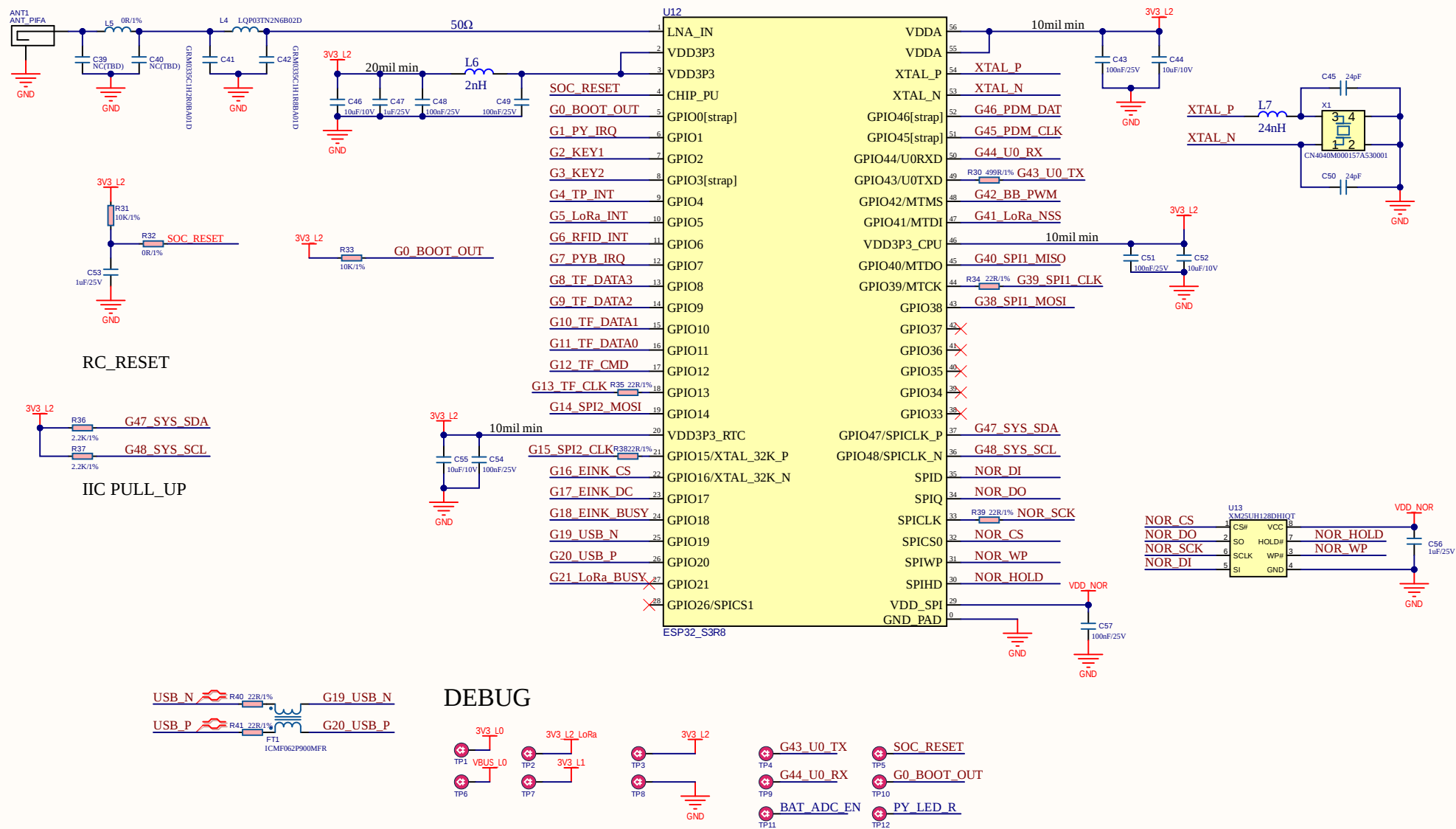


$\Delta I_{set\ max} = V_{fb} / R_{set} \leq 20mA$
if Duty=100%, $V_{fb} = Duty \times 200mV + 0.2mV$, $I_{set} = 15mA$, 即 $R_{set} = 11\Omega$



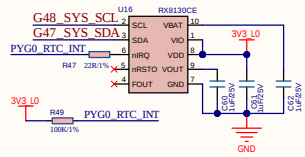
IIC Adress:0x6E

MCU_Core



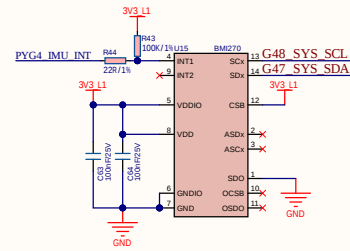
RTC

IIC Address:0x32

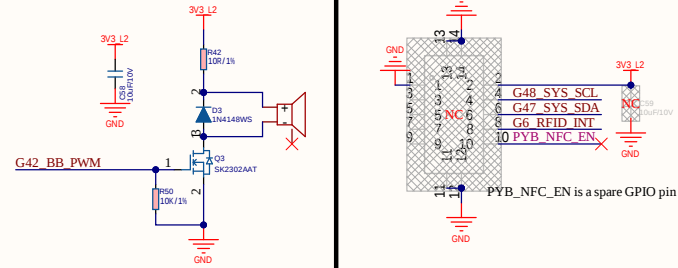


IMU

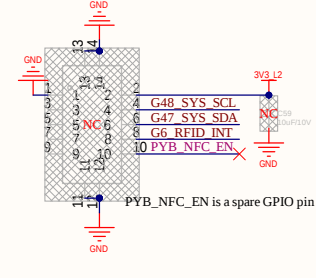
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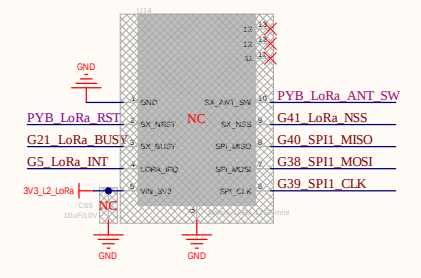
BUZZER



RFID

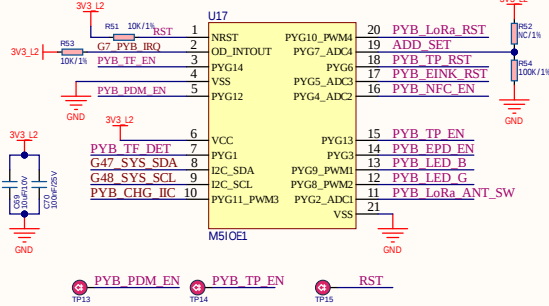


LoRa

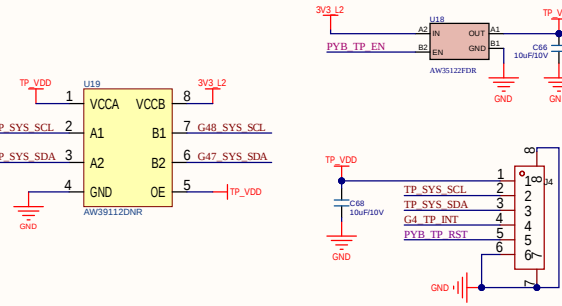


PYB_IIC

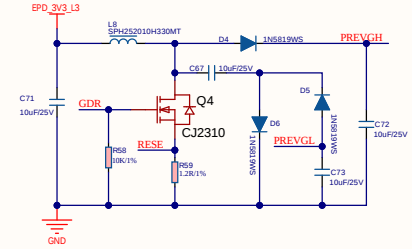
IIC Address:0x4F



TP



EINK



KEY&RGB&PDM

