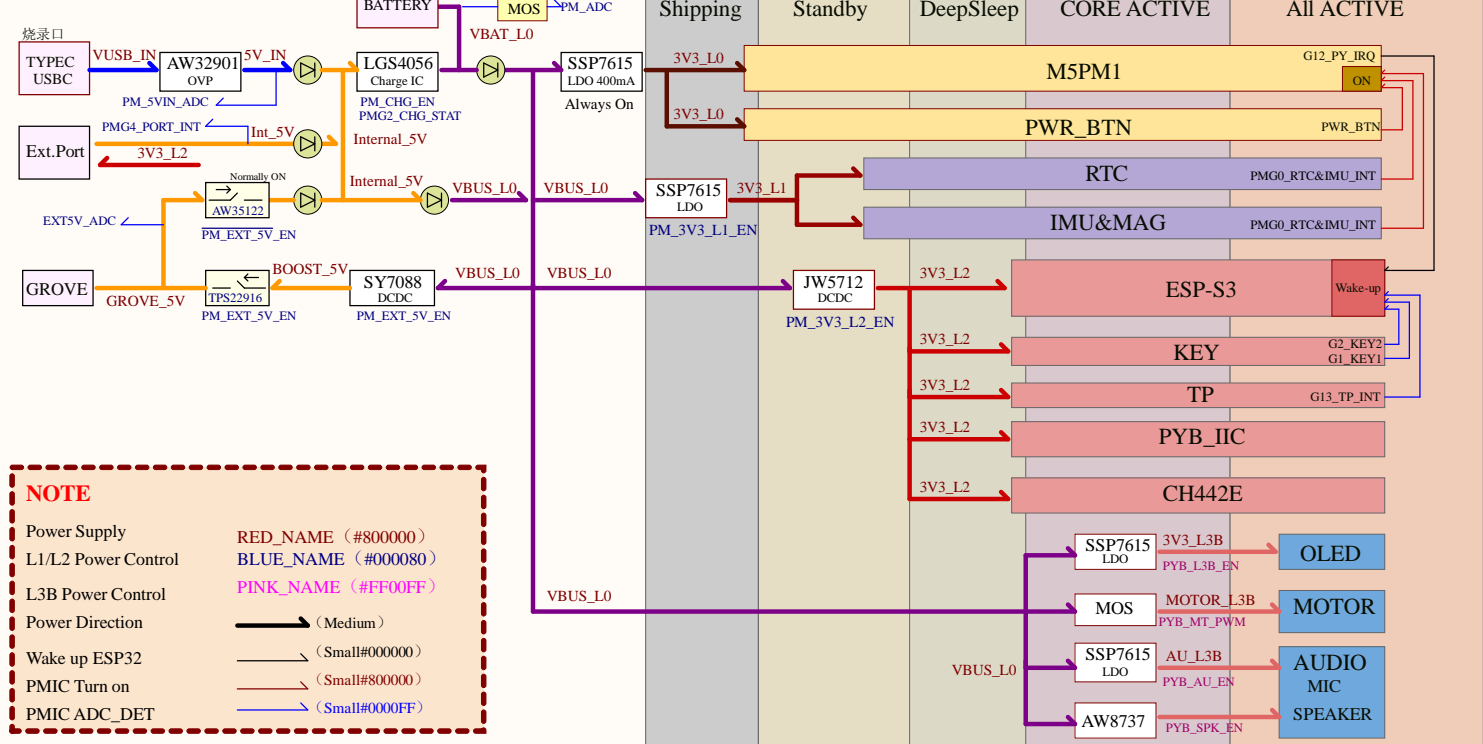


Functions

	Class	PowerMode	Features
		L0 L1 L2 L3A L3B	
SOC	S3	☐ ☐ ☐ ☐ ☐	ESP32-S3-R8N8
	MSIOE1	☐ ☐ ☐ ☐ ☐	PY32L020F15U6_IIC
POWER	M5PM1	☐ ☐ ☐ ☐ ☐	PY32L020F15U6
	BATTERY	☐ ☐ ☐ ☐ ☐	450mAh Li-ion Battery
INTERFACE	GROVE_IN	☐ ☐ ☐ ☐ ☐	GROVE
	GROVE_OUT	☐ ☐ ☐ ☐ ☐	GROVE
HMI	AMOLED	☐ ☐ ☐ ☐ ☐	1.75" 466*466 Display
	TP	☐ ☐ ☐ ☐ ☐	CST820 Touch-to-wake supported
	BUTTON	☐ ☐ ☐ ☐ ☐	KEY*3; Wake-up support
FUNC.	RTC	☐ ☐ ☐ ☐ ☐	RX8130CE; Wake-up Support
	IMU	☐ ☐ ☐ ☐ ☐	BMI270; Wake-up Support
	MIC	☐ ☐ ☐ ☐ ☐	MEMS Microphone
	SPK	☐ ☐ ☐ ☐ ☐	Speaker 8Ω @ 1W
	MOTOR	☐ ☐ ☐ ☐ ☐	Motor
	Ext.Port	☐ ☐ ☐ ☐ ☐	Ext.Port

Power Network



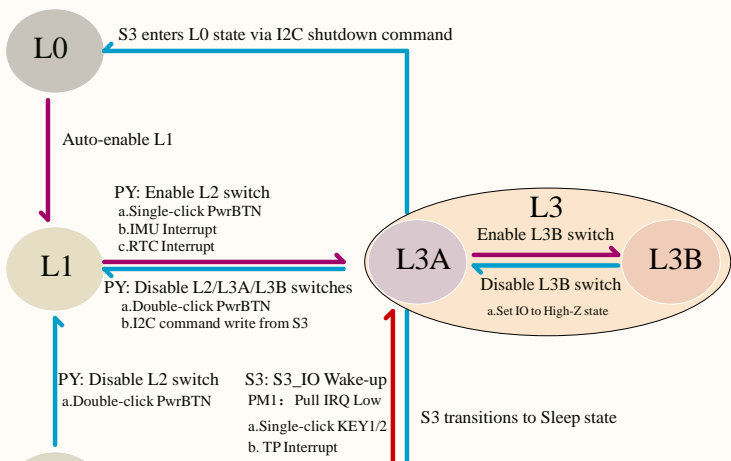
NOTE

Power Supply
 L1/L2 Power Control
 L3B Power Control
 Power Direction
 Wake up ESP32
 PMIC Turn on
 PMIC ADC_DET

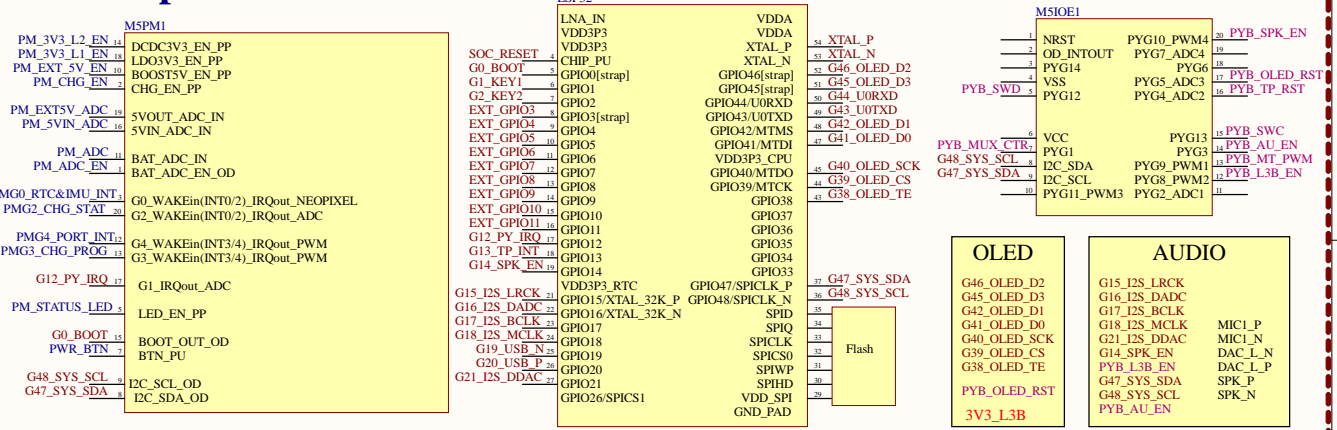
RED_NAME (#800000)
 BLUE_NAME (#000080)
 PINK_NAME (#FF00FF)

→ (Medium)
 ↘ (Small#000000)
 ↗ (Small#800000)
 ↙ (Small#0000FF)

Power Mode



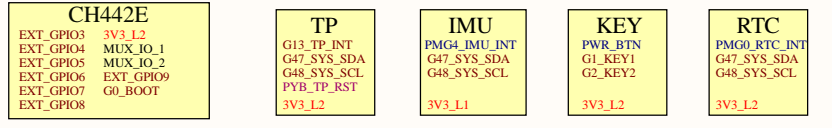
I/Os Map



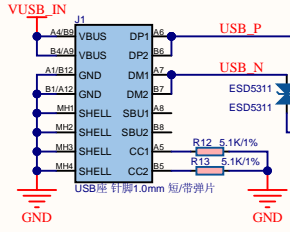
NOTE

ESP32 Control
 PMIC Control
 PYB Control

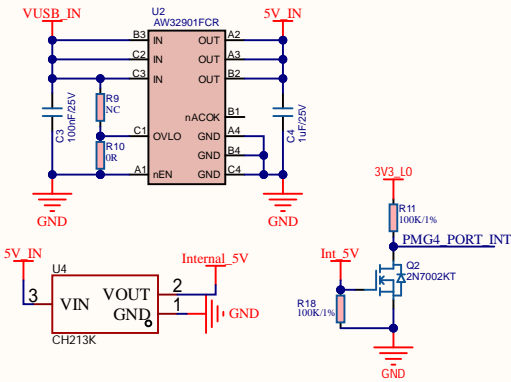
RED_NAME (#800000)
 BLUE_NAME (#000080)
 PINK_NAME (#A1006A)



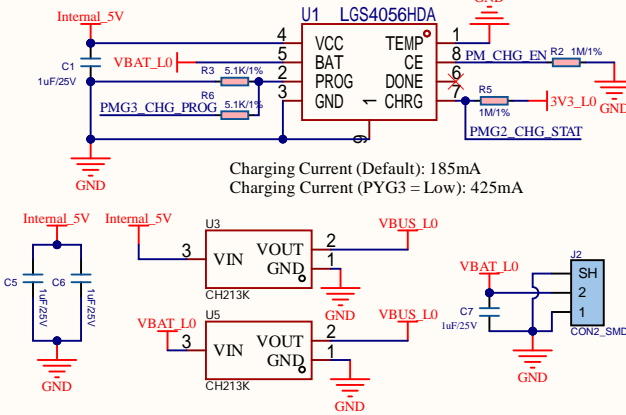
TYPEC ONLY INPUT



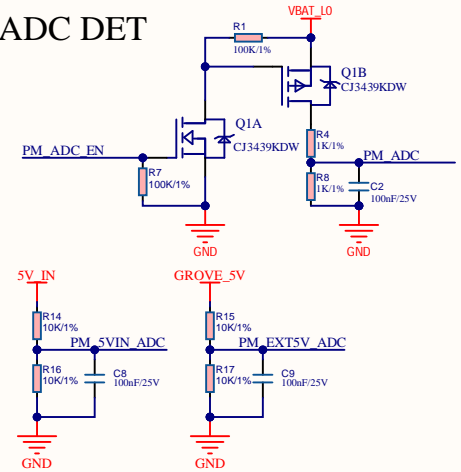
PROTECTION



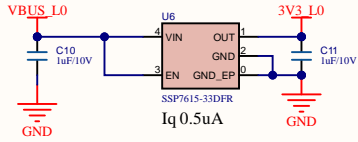
CHARGE



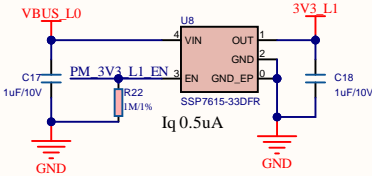
ADC DET



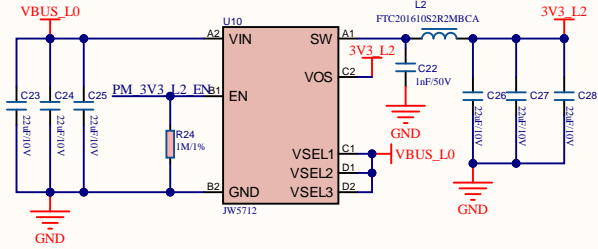
L0_SW



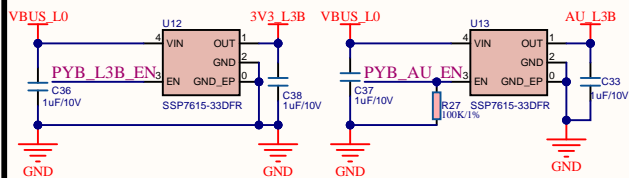
L1_SW



L2_SW

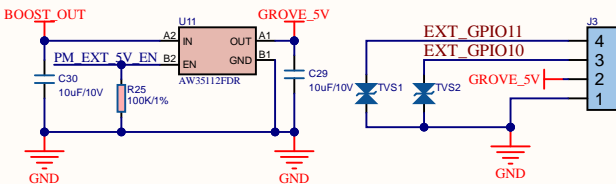
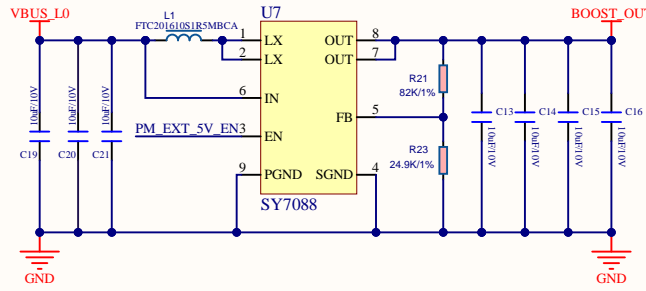


L3_SW

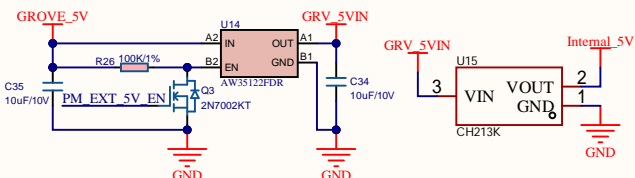


GROVE

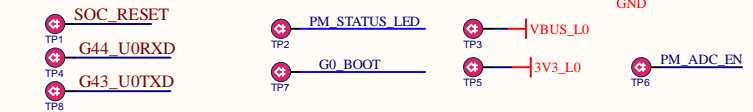
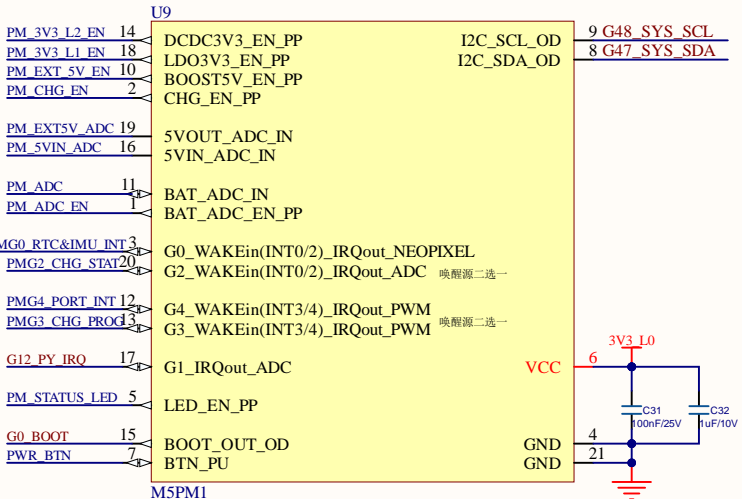
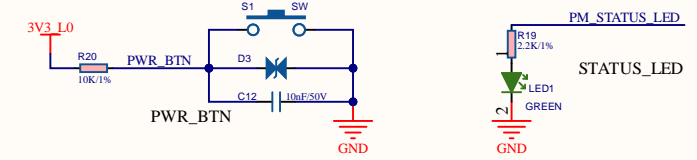
GROVE_OUTPUT



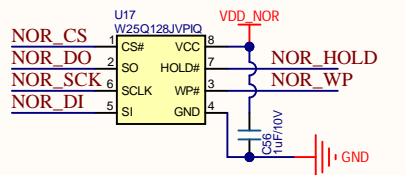
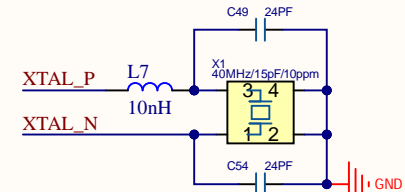
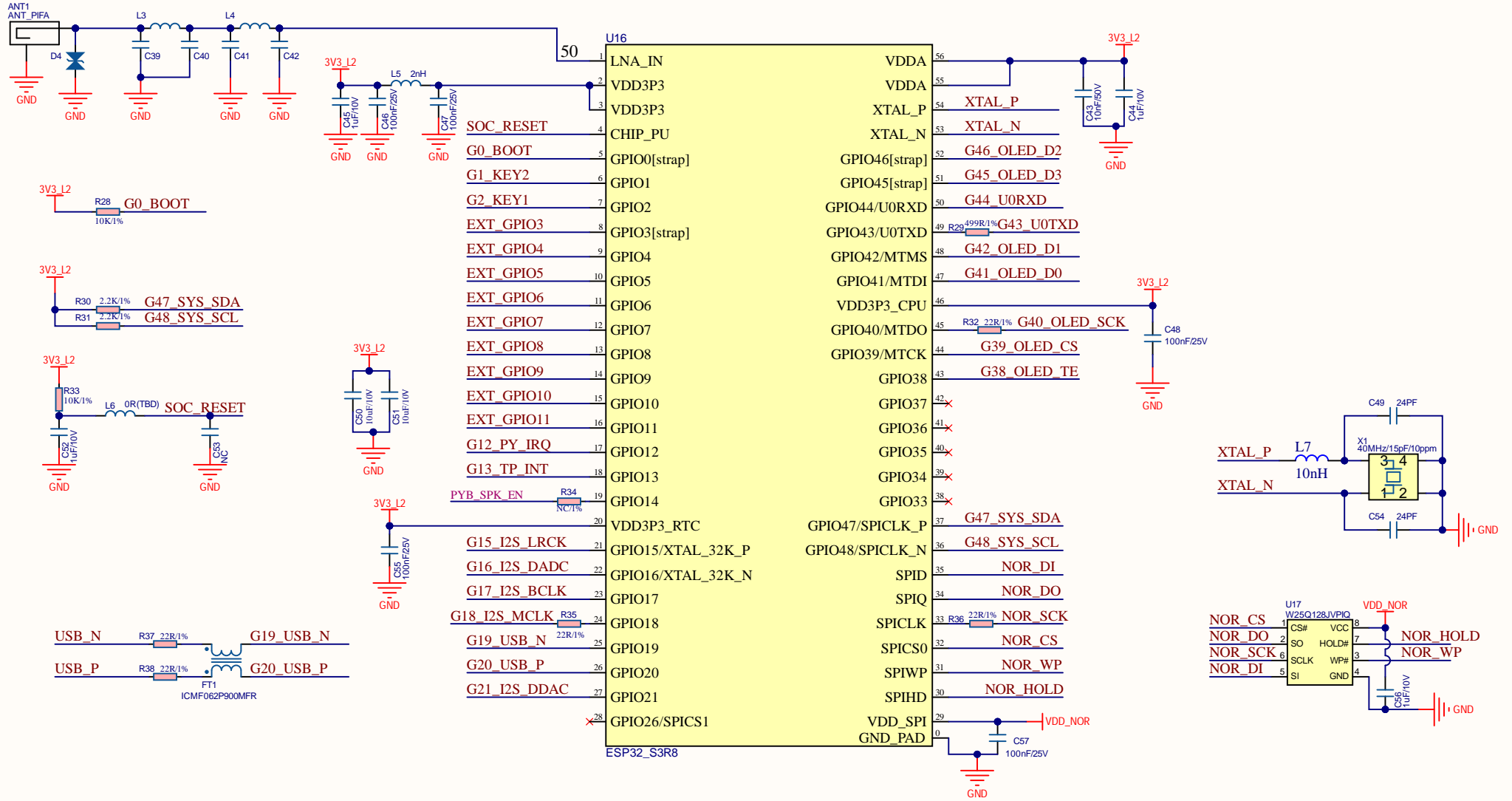
GROVE_INPUT



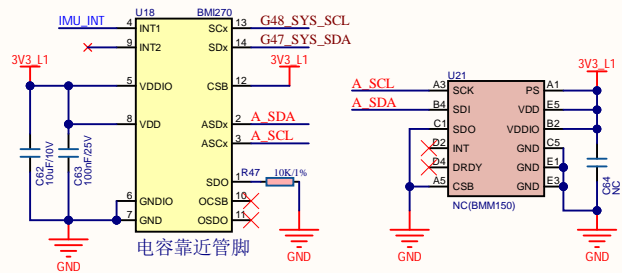
PMIC



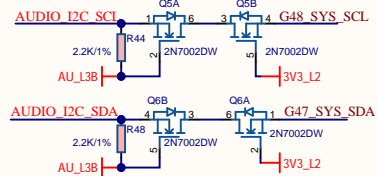
Core MCU



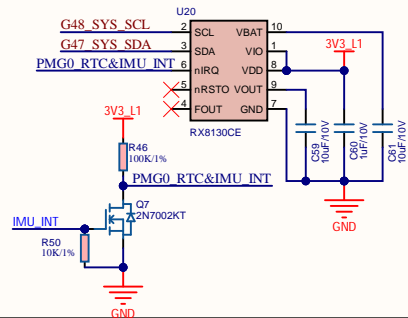
IMU&MAG IIC Address:0X68



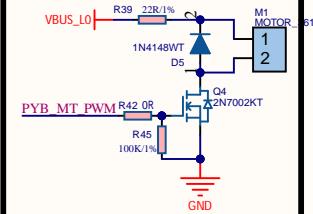
I2C HOT PLUG IN



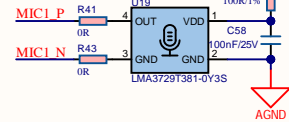
RTC IIC Address:0X32



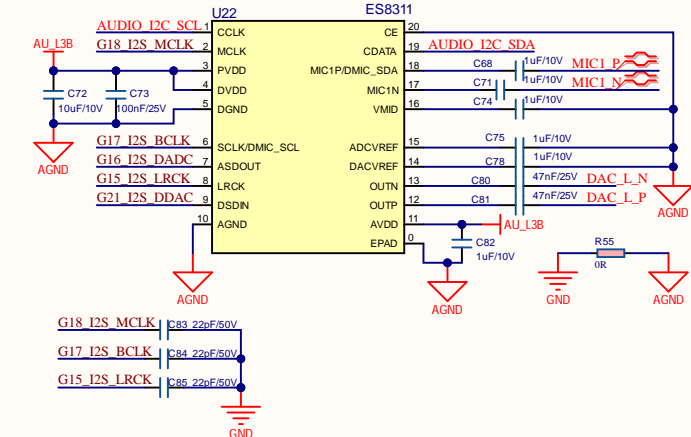
MOTOR



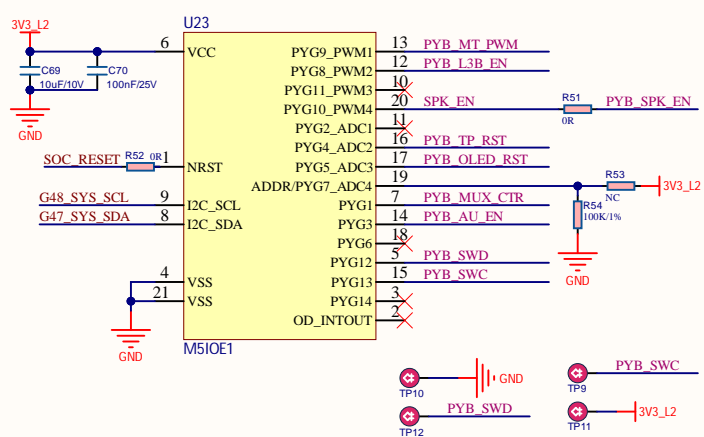
MIC



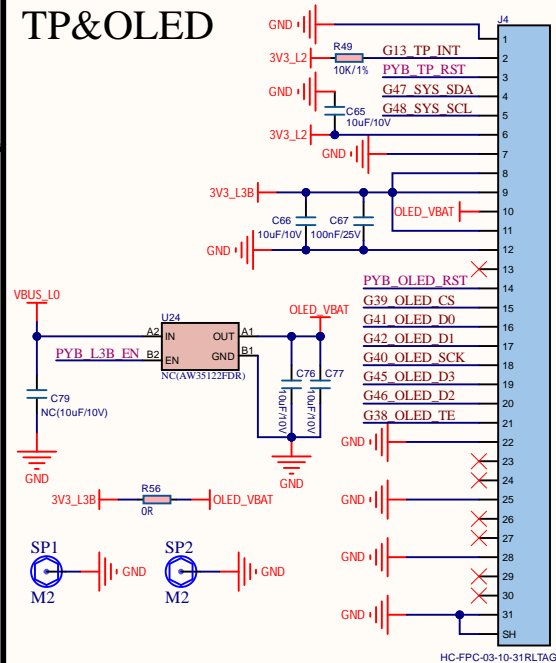
AUDIO IIC Address:0x18



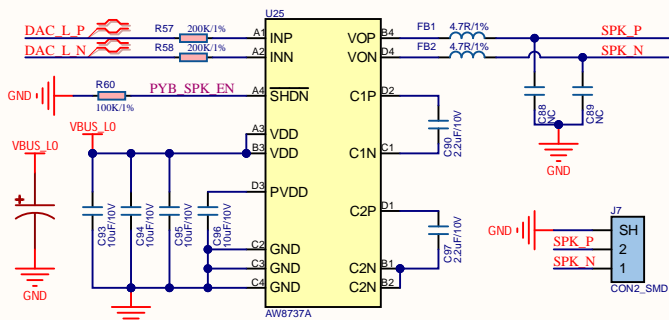
PYB_IIC IIC Address:0X4F



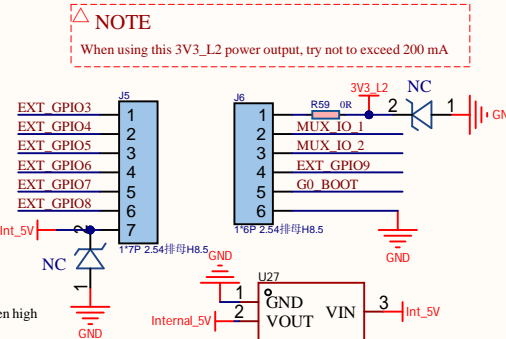
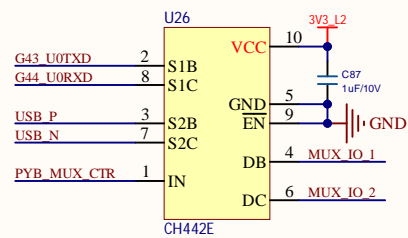
TP&OLED



SPEAKER



Ext.Port&CH442E



Button

