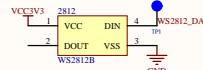
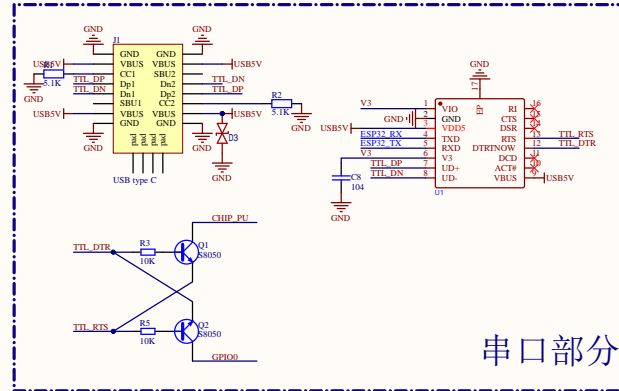
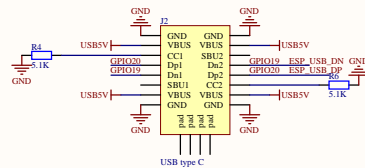


TB店铺：酷世DIY

LED



ESP32S3



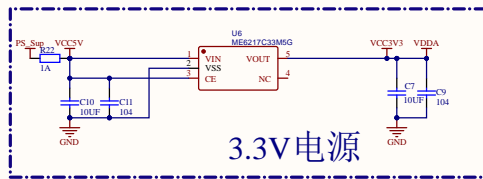
串口部分

EXCI_SDA GPIO4
EXCI_SCL GPIO5
DCMI_CLK GPIO15
DCMI_PCLK GPIO13
DCMI_PSYNC GPIO7
DCMI_VSYNC GPIO6
DCMI_D0 GPIO11
DCMI_D1 GPIO9
DCMI_D2 GPIO8
DCMI_D3 GPIO10
DCMI_D4 GPIO12
DCMI_D5 GPIO18
DCMI_D6 GPIO17
DCMI_D7 GPIO16
WS2812_DAT GPIO38
MIC0_WS GPIO42
MIC0_DATA GPIO2
MIC0_SCK GPIO41

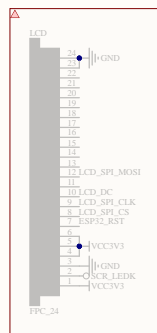
SD_CLK GPIO39
SD_CMD GPIO38
SD_DATA0 GPIO40

LCD_DC GPIO45
LCD_SPI_CS GPIO14
LCD_SPI_CLK GPIO21
LCD_SPI_MOSI GPIO47
LCD_SPI_RST ESP32_RST LCD_RST
LCD_SPI_BLK GPIO48

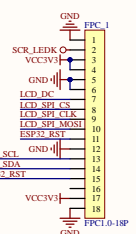
MAX_DATA GPIO3
MAX_BCLK GPIO46
MAX_LRCLK GPIO1



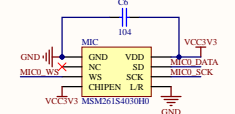
3.3V电源



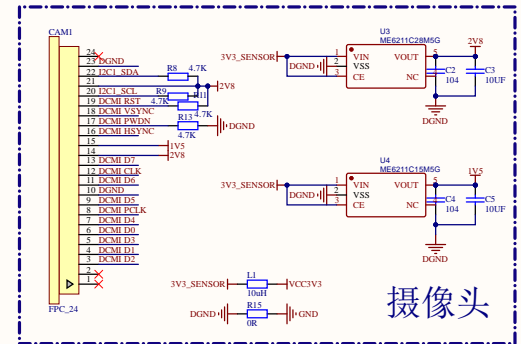
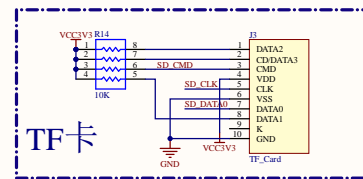
屏背光



MIC

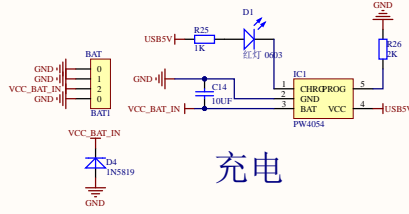


TF卡

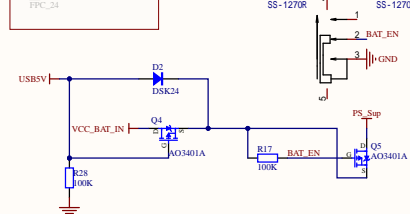


摄像头

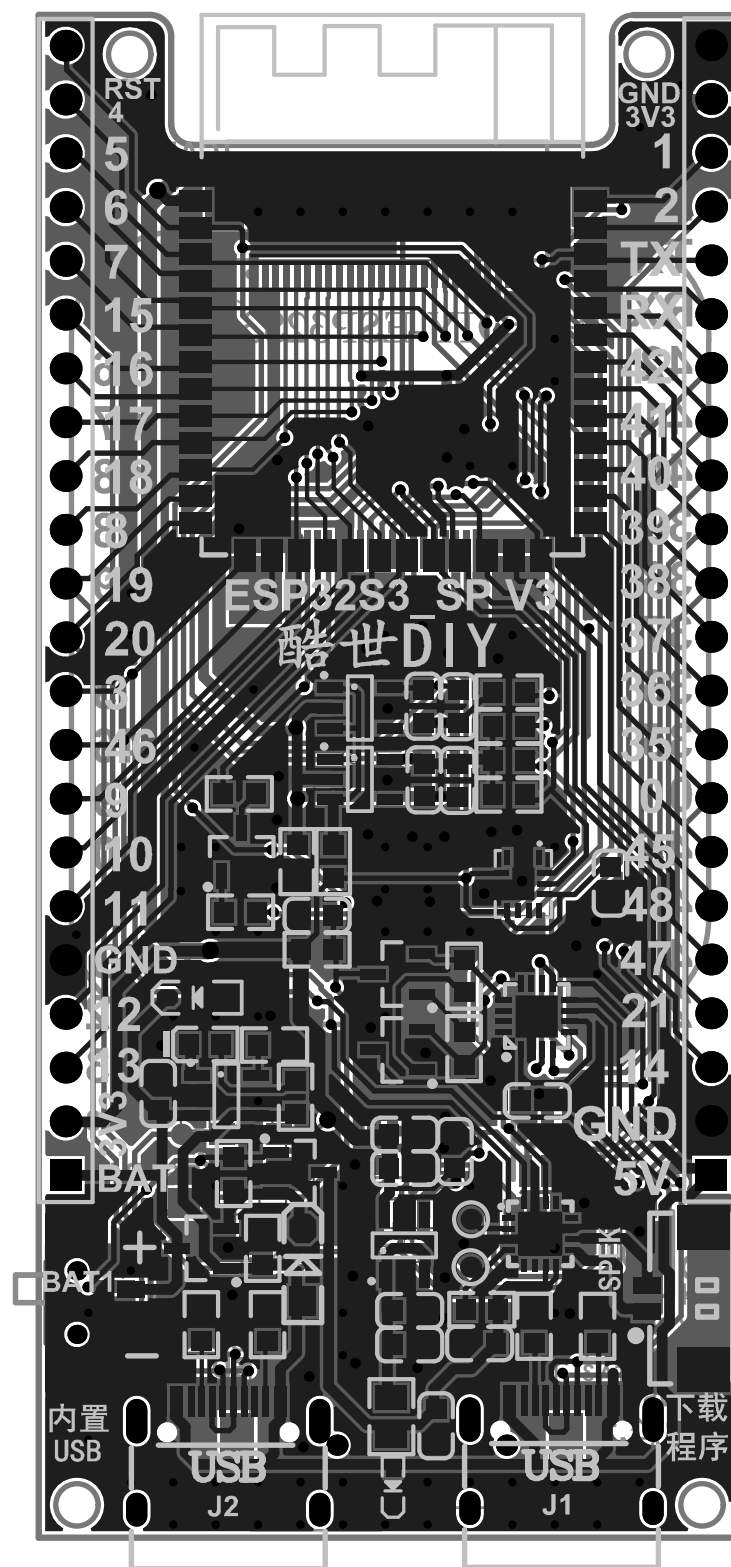
充电



供电切换



Title			Revision
Size	A2	Number	
Date	11/08/2024	Sheet of	1
File	F:\Github\ESP32S3_SP_V3_ALL_Sch	Drawn By	



Comment	Description	Designator	Footprint	LibRef	Quantity
WS2812B		2812	LED_3528_RGB	WS2812B	1
BAT	molex 53261-0271 2P	BAT1	MOLEX 53398-0271	Header 4	1
BOOT	Switch	BOOT	KEY_1	SW-PB	1
105	Capacitor	C1	LC-0603_C	C	1
104		C2, C4, C6, C8, C9, C11, C12, C13	LC-0603_C	CAP	8
10UF		C3, C5, C7, C10, C14	LC-0603_C	CAP	5
106		C15	LC-0603_C	CAP	1
FPC_24		CAM1	FPC_24	FPC_24	1
红灯 0603	发光二极管	D1	0603_LED_S1	0603 白灯	1
DSK24	肖特基二极管	D2	SOD-123	SS34	1
LESD5D5.0CT1G	极性:双向;反向截止 电压(Vrwm):5V;最大 钳位电压:18.6V;峰值 脉冲电流 (Ipp)@10/1000us:9.4 A;击穿电压:5.6V;	D3	SOD-523	LESD5D5.0CT1G	1
1N5819	二极管	D4	SOD-323	1N4007	1
FPC1.0-18P	FPC连接器	FPC_1	1.69_ST7789_TOP	FPC-18P	1
PW4054	锂电池充电芯片	IC1	SOT23-5N	LTC4054	1
USB type C		J1, J2	USB Type-C- 16Pin_A	USB_C	2
TF_Card	TF卡座	J3	TF卡座	TF_Card	1
10uH	普通电阻	L1	LC-0603_L	RES	1
MSM261S4030H0		MIC	MSM261S4030H0	MSM261S4030H0	1
Header 22	Header, 22-Pin	P1, P2	HDR1X22	Header 22	2
S8050		Q1, Q2	SOT23-3N	Q S9013	2
SS8050	高频放大-NPN型	Q3	SOT23-3N	8050-SMD	1
AO3401A	P沟道 30V/4.2A	Q4, Q5	SOT23-3N	AO3401	2
5.1K	普通电阻	R1, R2, R4, R6	LC-0603_R	RES	4
10K	[NoValue], 普通电阻	R3, R5, R7, R12, R16	LC-0603_R	R_0Q_0603, RES	5
4.7K	[NoValue], 普通电阻	R8, R9, R11, R13	LC-0603_R	R_1, RES	4
10R	普通电阻	R10	LC-0603_R	RES	1
10K		R14	RCA-8P4R-0603	RES4	1
0R	普通电阻	R15	LC-0603_R	RES	1
100K	普通电阻	R17, R28	LC-0603_R	RES	2
1A	普通电阻	R22	0805_R	RES	1
1K	普通电阻	R25	LC-0603_R	RES	1
2K	普通电阻	R26	LC-0603_R	RES	1
RST	Switch	RST	KEY_1	SW-PB	1
SPE	molex 53261-0271 2P	SPEK	MX 1.25-LS-2P	Header 4	1
SS-1270R		SW1	SW-TH_MSK01- AG1.5	SS-1270R	1
		U1	QFN16_3*3_PAD	CH343P	1
ESP32S3-WROOM- 1(N8R8)		U2	ESP32S3-WROOM- 1	ESP32S3-WROOM- 1	1
ME6211C28M5G		U3	SOT23-5N	ME6211C28M5G	1
ME6211C15M5G		U4	SOT23-5N	ME6211C15M5G	1
QMI8658A		U5	LGA-14_L3.0-W2.5- P0.50-TL	QMI8658A_C302108 2	1
ME6217C33M5G		U6	SOT23-5N	ME6211C28M5G	1
MAX98357AETE+T	功放类型:-;扬声器通 道数:单声道;输出功 率:3.2Wx2@4Ω;	U7	TQFN-16_L3.0- W3.0-P0.50-BL- EP1.5	MAX98357AETE+T	1