

TB店铺：酷世DIY

LED

ESP32S3

红外

串口部分

按键

摄像头

MPU6050

SPL06

MIC

显示屏

电源

I/O Expander:

File	Number	Revision
Size	4/21/2022	
A2	F:\Github\ESP32S3_V2.1_SchDoc	Sheet of
Date		Drawn By:
File		

Comment	Description	Designator	Footprint	LibRef	Quantity
AP3410		AP1	SOT23-5N	AP3410	1
BAT	molex 53261-0271 2P	BAT	MOLEX 53398-0271	Header 4	1
BOOT	Switch	BOOT	KEY_1	SW-PB	1
104	[NoValue], Capacitor	C1, C6, C8, C9, C11, C14, C15, C16	LC-0603_C	CAP	8
10UF		C2, C4, C7, C10, C12, C17	LC-0603_C	cap	6
105	Capacitor	C3	LC-0603_C	C	1
22PF		C5	LC-0603_C	cap	1
0.022uf	Capacitor	C13	LC-0603_C	Cap	1
10PF		C18	LC-0603_C	cap	1
FPC_24		CAM	FPC_24	FPC_24	1
IN5819	贴片二极管 SOD-123	D1	SOD-123	SMA(DO-214AC) SS54	1
蓝灯 0603	发光二极管	D2	0603_LED_S1	0603 白灯	1
红灯 0603	发光二极管	D3	0603_LED_S1	0603 白灯	1
绿灯 0603	发光二极管	D4	0603_LED_S1	0603 白灯	1
红外	插件红外发射管 3mm	IR	LED_3528_RED	LED-3MM	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
2.2UH	电感	L1	L-SMD-2.5*2.0*1.2MM	L1	1
2.2uh	贴片功率电感 CD32	L2	CD32	L	1
10uH	普通电阻	L19	LC-0603_L	RES	1
MSM261S4030H0		MIC	MSM261S4030H0	MSM261S4030H0	1
Header 22	Header, 22-Pin	P1, P2	HDR1X22	Header 22	2
Header 17	Header, 17-Pin	P3	TFT 2.8 PIN	Header 17	1
S9013		Q1, Q2	SOT23-3N	Q S9013	2
A03400	贴片MOS管	Q3	SOT-23(SOT-23-3)	NPN DIAC	1
SS8050	高频放大-NPN型	Q4	SOT23-3N	8050-SMD	1
5.1K	普通电阻	R1, R2, R5, R7	LC-0603_R	RES	4
10K	[NoValue], 普通电阻	R3, R6, R8, R10, R16, R17, R19, R23, R29, R30, R39	LC-0603_R	R_0Ω_0603, RES	11
20K	Resistor	R4	LC-0603_R	电阻-0402	1
1A	普通电阻	R9	0805_R	RES	1
10R	普通电阻	R11, R22, R24, R26, R38	LC-0603_R	RES	5
100K	普通电阻	R12	LC-0603_R	RES	1
22K	普通电阻	R13	LC-0603_R	RES	1
4.7k		R14, R15	LC-0603_R	R_1	2
RES4		R18	RCA-8P4R-0603	RES4	1
0R	普通电阻	R20, R28	LC-0603_R	RES	2
91K	普通电阻	R31	LC-0603_R	RES	1
1K	普通电阻	R32, R33, R34, R35, R36, R37	LC-0603_R	RES	6
RST	Switch	RST	KEY_1	SW-PB	1
HDR-1X2	2P接插件	SPEAKER	PH2.0-LI-2P	Header 2	1
ST7789V_1.3		ST7789	ST7789V_12Pin	ST7789V_1.3	1
K1-5203UA-02		SW1	K1-5	K1-5203UA-02	1
Header 4	Header, 4-Pin	SWD	HDR2.54-LI-4P	Header 4	1
CP2104		U1	OFN24 4x4_N	CP2104	1
NS4168		U2	SOIC-8(add 9pin)	NS4168	1
ESP32S3-WROOM-32E(8MB)		U3	ESP32S3-WROOM-1	ESP32S3-WROOM-1	1
MPU6050	9轴运动处理传感器	U4	OFN24 4x4_N	MPU6050	1
ETA9742		U5	SOIC-8(add 9pin)	ETA9742	1
SPL06		U6	BMP280	BMP280	1
Header 4	Header, 4-Pin	UART	HDR1.27-LI-4P	Header 4	1
USB	USB-A型母接口	USB1	6.48贴片USB短体母座	USB-A/S	1
XC6206 2V8	低压差线性稳压芯片	V1	SOT23-3N	XC6206P332MR	1
XC6206 1V5	低压差线性稳压芯片	V2	SOT23-3N	XC6206P332MR	1
WS2812B		WS2812	LED_3528_RGB	WS2812B	1
20M	Crystal Oscillator	X1	XT_3225_4	XTAL_2520_4P	1
HDR-1X3	拨动开关 插件卧式 1P2T SK12D07VG3 3MM柄高 小型拨动开关 三脚/两档	开关	switch-mini	Header 3	1