



电源

SWD

LED

摇杆电位计

旋转电位计

扩展

串口

OLED

RF

MCU

按键

Control Pad

Title		Revision	
Size	Number	V3.0	
A3			
Date:	2021/4/14	Sheet of	
File:	F:\Altium Designer\...\pad.SchDoc	Drawn By:	Z.L.Terris

Comment	Description	Designator	Footprint	LibRef	Quantity
20pF	贴片电容	C1, C2	0603_C	0603 20pF (200) 5% 50V	2
100nF	贴片电容	C3, C4, C5, C6, C7, C8, C9, C15, C19	0603_C	0603 100nF (104) 10% 50V	9
10nF	贴片电容	C10	0603_C	0603 10nF (103) 10% 50V	1
4.7uF	贴片电容	C11	0603_C	0603 4.7uF (475) 10% 16V	1
1uF	贴片电容	C12	0603_C	0603 1uF (105) 10% 50V	1
2.2uF	贴片电容	C13, C14	0603_C	0603 2.2uF (225) 10% 16V	2
10uF	贴片电容	C16, C17	0603_C	0603 10uF (106) 10% 10V	2
22uF	贴片电容	C18	0603_C	0603 22uF (226) 20% 6.3V	1
红灯 0603	发光二极管	D1	0603_LED_S1	0603 红灯	1
蓝灯 0603	发光二极管	D2	0603_LED_S1	0603 蓝灯	1
绿灯 0603	发光二极管	D3	0603_LED_S1	0603 绿灯	1
BUTTON		K0	BTN8.5*8.5	BUTTON	1
KEY_M		K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, RESET	KEY_M	KEY_M	11
KEY(LOCK)		K11, K12, K13, K14	自锁按键	自锁按键	4
摇杆电位计		K21, K22	摇杆电位计	摇杆电位计	2
KEY		K23, K24, K25, K26	旋转电位计	旋转电位计	4
10uH ±10%	贴片电感	L1	0603_L	0603 10uH 10%	1
Header 3	Header, 3-Pin	P1, P2	HDR1X3	Header 3	2
SWD	Header, 4-Pin	P3	HDR1X4	Header 4	1
OLED	Header, 4-Pin	P4	HDR1X4	Header 4	1
Header 4X2	Header, 4-Pin, Dual row	P5	HDR2X4	Header 4X2	1
Header 3X2	Header, 3-Pin, Dual row	P6, P7	HDR2X3	Header 3X2	2
Header 8	Header, 8-Pin	P8	HDR1X8	Header 8	1
Header 4	Header, 4-Pin	P9, P10	HDR1X4	Header 4	2
BAT	Connector	POW	XH-2	CON2	1
0Ω	贴片电阻	R1	0603_R	0603 0Ω (0R0) 1%	1
10KΩ	贴片电阻	R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20	0603_R	0603 10KΩ (1002) 1%	19
470Ω	贴片电阻	R21, R22, R23	0603_R	0603 470Ω (4700) 1%	3
STM32F407VET6	ARM	U1	LQFP-100_14x14x05P	STM32F407VET6	1
HT7550-1	低压差线性稳压(LDO)	VR1	SOT-89(SOT-89-3)	SOT-89 HT7550-1	1
8MHz	贴片晶振	Y1	SMD-5032_2P	SMD-5032_2P 8MHz 20p	1