



Title		
Size	Number	Revision
A2		
Date	2019/11/25	Sheet of 1
File	PCB Layout	PCB Layout

Comment	Description	Designator	Footprint	LibRef	Quantity
CR1220		BAT1	CR1220-B	CR1220	1
100nF (104) 10% 50V	贴片电容	C1, C10, C11, C14, C15, C16, C17, C18, C19, C20, C22	LC-0603_C	0603 100nF (104) 10% 50V	11
10uF (106) 10% 10V	贴片电容	C2, C3, C12	LC-0603_C	0603 10uF (106) 10% 10V	3
20pF (200) 5% 50V	贴片电容	C4, C5, C8, C9	LC-0603_C	0603 20pF (200) 5% 50V	4
1uF (105) 10% 50V	贴片电容	C6, C7	LC-0603_C	0603 1uF (105) 10% 50V	2
22uF (226) 20% 6.3V	贴片电容	C13, C21	CAP_6032_C	0603 22uF (226) 20% 6.3V	2
PPTC NANOSMDC075F-2 0.75A 6V	贴片保险丝	F1	FU 1206	FU	1
BHV		J1	Pin HDR2X3/2.54mm-S	Pin HDR2X3	1
B595		J2	Pin HDR2X3/2.54mm-S	Pin HDR2X3	1
HV		J3	Pin HDR2X3/2.54mm-S	Pin HDR2X3	1
595		J4	Pin HDR2X3/2.54mm-S	Pin HDR2X3	1
KEY		K1	SW_PB_3X6	KEY	1
ULN2803		Q1, Q3, Q4, Q5, Q6	SOIC_18W	ULN2803	5
A42	NPN General Purpose Amplifier	Q2	SOT23_3	2N3904	1
33KΩ (3302) ±1%	贴片电阻	R1	LC-0805_R	0805 33KΩ (3302) 1%	1
22KΩ (2202) ±1%	贴片电阻	R2, R4, R5, R8	LC-0805_R	0805 22KΩ (2202) 1%	4
240KΩ (2403) ±1%	贴片电阻	R3	LC-0805_R	0805 240KΩ (2403) 1%	1
4.7KΩ (4701) ±1%	贴片电阻	R6, R7	LC-0603_R	0603 4.7KΩ (4701) 1%	2
10KΩ (1002) ±1%	贴片电阻	R9, R10, R11	LC-0603_R	0603 10KΩ (1002) 1%	3
IN8	355度旋转	S1, S2, S3, S4	NEXIE IN8	NEXIE LED IN8	4
MSK-12C01-07		S5	SW_SK12D07	MSK-12C01-07	1
M3铜柱	铜柱	SP1, SP2, SP3, SP4	M3x5_L	铜柱小焊盘	4
Pin HDR1X4		SWD1	XH_1.25_4P	Pin HDR1X4	1
170V	测试点	TP1	TEST 1.4	TEST	1
5V	测试点	TP2	TEST 1.4	TEST	1
3.3V	测试点	TP3	TEST 1.4	TEST	1
74HC595		U1, U2, U3, U4, U7	TSSOP_16	74HC595	5
5V--->VH		U5	Sadudu DCDC	5V-170VDCDC	1
DS3231		U6	SOIC_16W	DS3231	1
STM32F103C8	Flaah:64/RAM:20/IO:36	U8	LQFP48 7X7	STM32F103C8	1
AMS1117_3.3	三端稳压芯片	U9	SOT223	AMS1117	1
CH340G		U10	SOIC_16	CH340G	1
NeonLED		UP1	Neon LED	Neon LED	1
Type-C		USB1	Type-C	Type-C	1
8MHz	2脚无源脚晶振	X1	OSC HC-49SMD	XTAL-2P	1
32.768MHz	2脚无源脚晶振	X2	OSC-3x10-WI-B	XTAL-2P	1