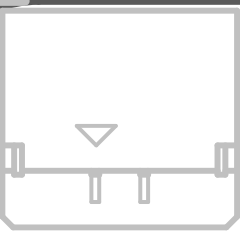


51.50mm

PWM

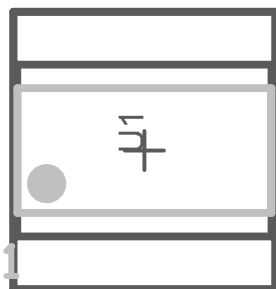


PB8 GND

PB3 PA12 PA5 PA1 R5 R9



3V3



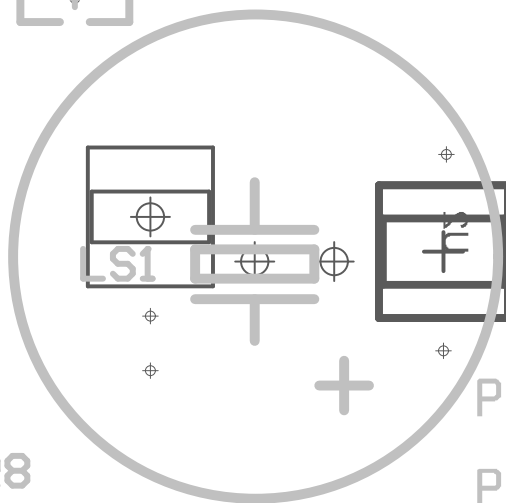
U1



C3



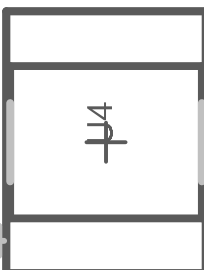
PC14  
PC15



S1

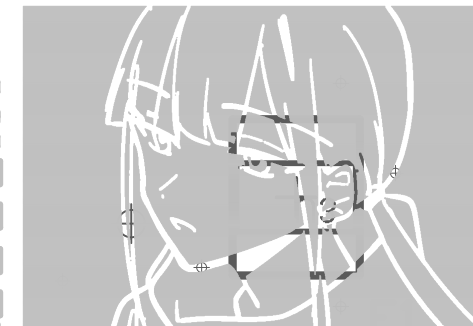


U4



U4

C11 C12 C10



BDC ESC  
GO V1.0

2022/5/23

PA2

PA3

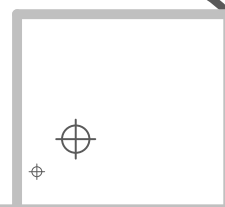
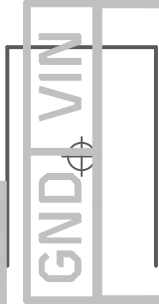
5V

GND

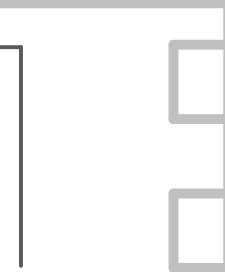


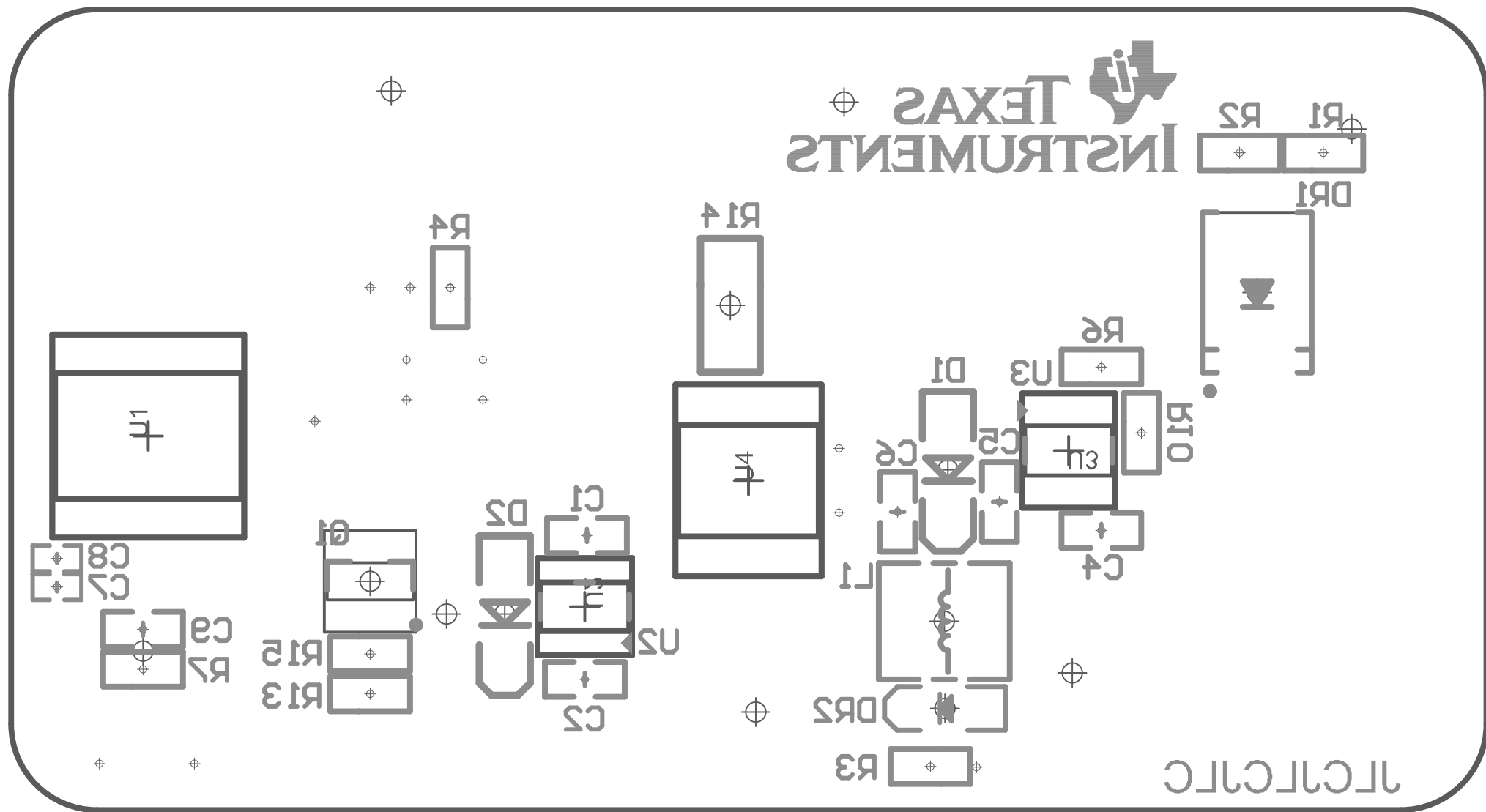
5V

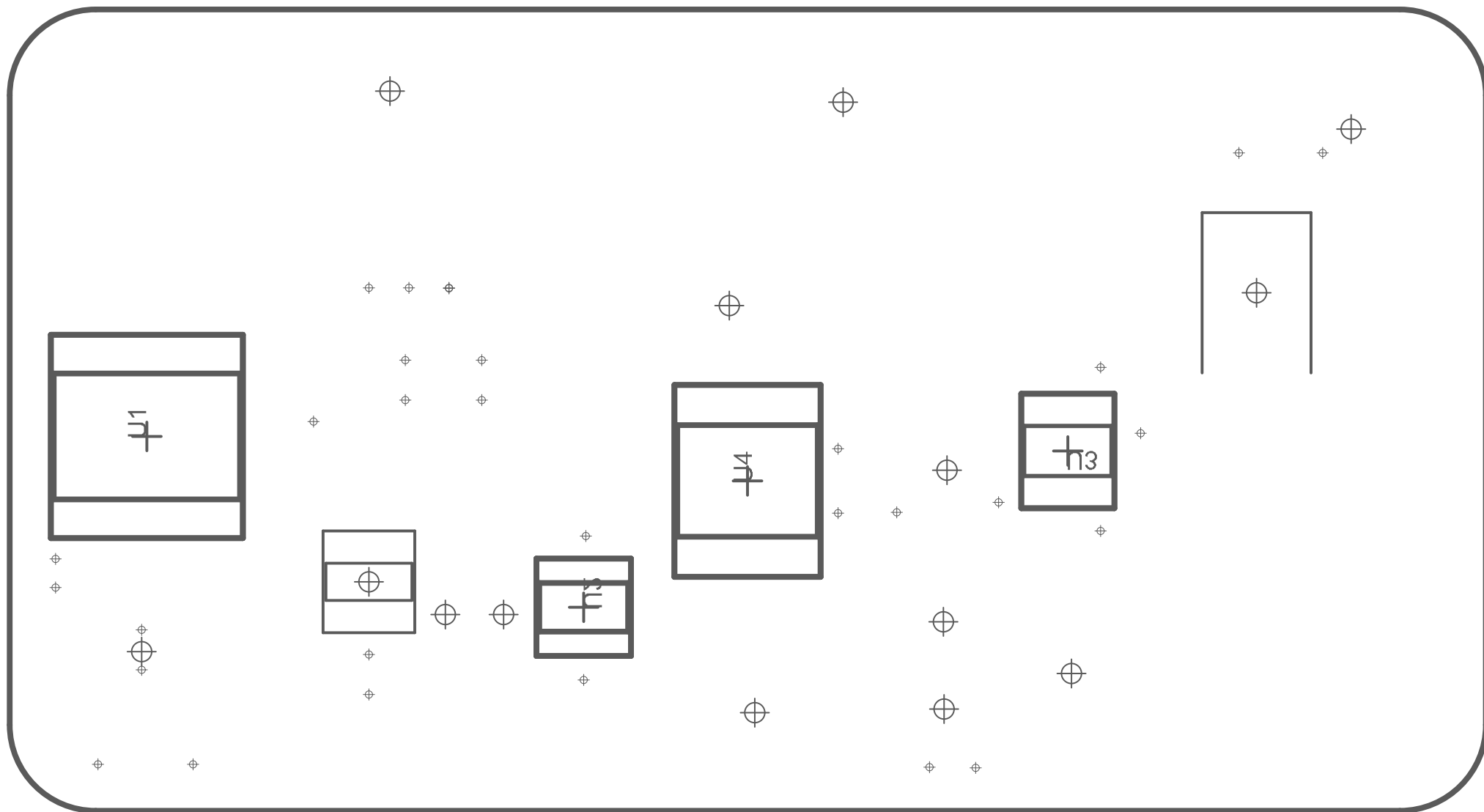
GND VIN

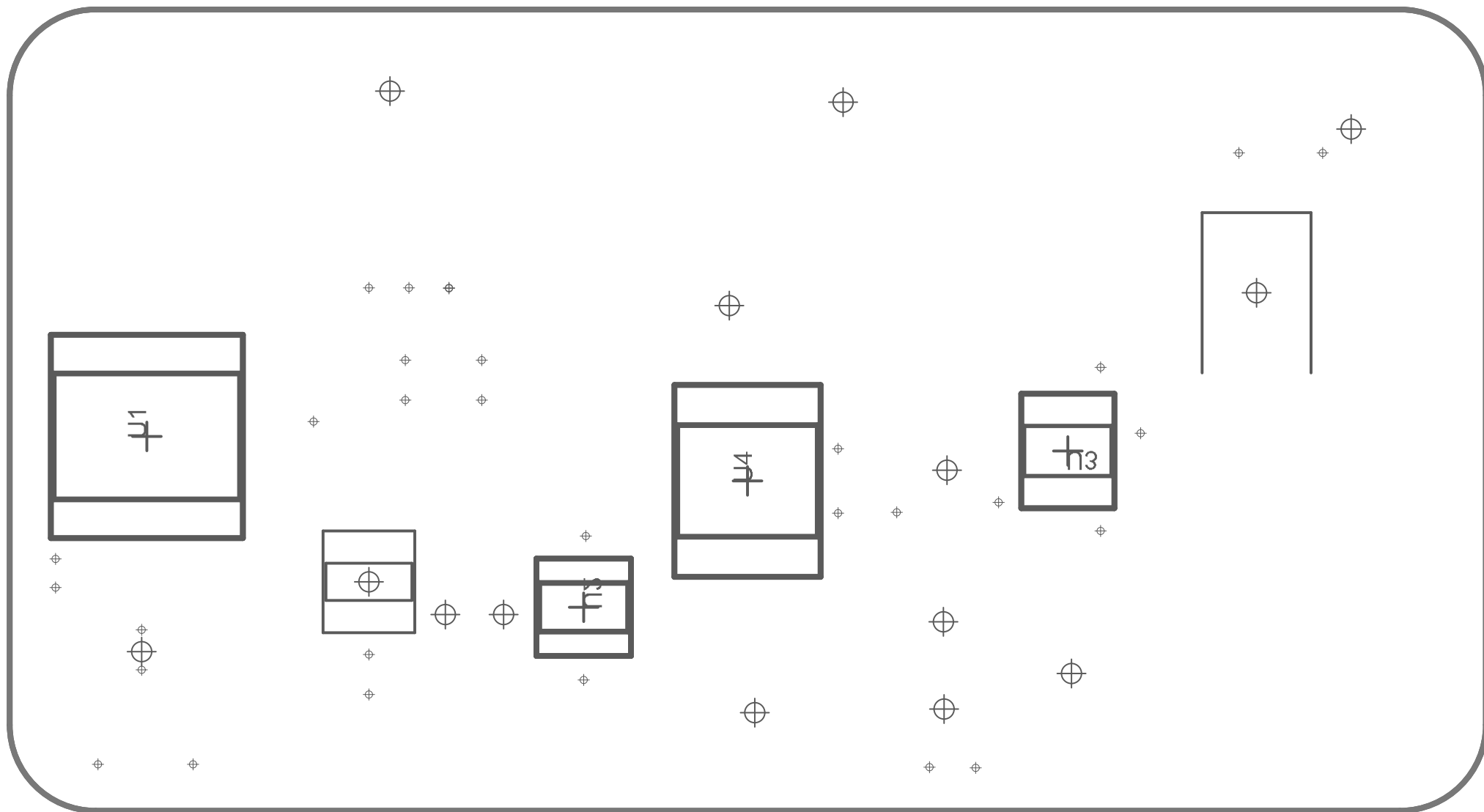


U4









Comment	Description	Designator	Footprint	LibRef	Quantity
HDR-1X6	6P接插件	BDC1	XH2.54-LS-6P	Header 6	1
4.7uF	无极性贴片电容	C1	C 0603_L	C	1
105	无极性贴片电容	C2	C 0603_L	C	1
101	无极性贴片电容	C3	C 0603_L	C	1
2.2uF/50V	无极性贴片电容	C4	C 0603_L	C	1
220nF	无极性贴片电容	C5	C 0603_L	C	1
106	无极性贴片电容	C6	C 0603_L	C	1
104	无极性贴片电容	C7, C10, C11	C 0402_L	C	3
4.7uF	无极性贴片电容	C8	C 0402_L	C	1
104	无极性贴片电容	C9	C 0603_L	C	1
1N5819	肖特基二极管	D1	SOD-123	1N5819	1
1N4002	整流二极管	D2	SOD-123	1N4007	1
SMBJ28CA	瞬态电压抑制二极管	DR1	SMB	DR	1
SMF5.0A	瞬态电压抑制二极管	DR2	SOD-323	DR	1
220uF/35V	直插电解电容	E1	CAP 3.5*8*11.5-H - BK	C-CAP	1
HDR-1X4	4P接插件	JP1	HDR2.54-LI-4P	Header 4	1
22uH	NR磁胶电感	L1	NR4030	L-NR	1
ORANGE	贴片LED	LED1	LED 0603R	LED-SMD	1
PINK	贴片LED	LED2	LED 0603R	LED-SMD	1
WHITE	贴片LED	LED3	LED 0603W	LED-SMD	1
RED	贴片LED	LED4	LED 0603R	LED-SMD	1
GREEN	贴片LED	LED5	LED 0603G	LED-SMD	1
DC5V	蜂鸣器	LS1	BEEP 6.5x12x6	BEEP	1
HDR-1X2	2P接插件	PWM1	GH1.25-LS-2P	Header 2	1
绿头卧式2P	3.81间距	PWR1	15EDGVM-02P-3.81mm	绿头卧式2P	1
S9013	低频放大-NPN型	Q1	SOT23-3L	9013-SMD	1
39K	贴片电阻	R1	R 0603_L	R	1
2.2K	贴片电阻	R2	R 0603_L	R	1
3.3K	贴片电阻	R3, R15	R 0603_L	R	2
2K	贴片电阻	R4, R13	R 0603_L	R	2
10K	贴片电阻	R5, R7, R9, R10	R 0603_L	R	4
54.9K	贴片电阻	R6	R 0603_L	R	1
1K	贴片电阻	R8	R 0603_L	R	1
1K	贴片电阻	R11, R12	R 0402_L	R	2
0.14	贴片电阻	R14	R 1206_L	R	1
6x6x5	2脚贴片6x6无声硅胶轻触开关	SW1	TS 2PIN 6x6x4.8	TSW SMD-2Pin-6x6	1
STM32G030F6P6	Arm® Cortex®-M0+ 32-bit MCU, up to 64 KB Flash, 8 KB RAM, 2x USART, timers, ADC, comm. I/Fs, 2.0-3.6V	U1	STMicroelectronics_TSSOP20-YA_IPC_C	STM32G030F6P6	1
LP5907MFX-3.3	250-mA ultra-low-noise low-IQ low-dropout (LDO) linear regulator 5-SOT-23 -40 to 125	U2	Diodes_SOT25_MFG	LP5907MFX-3.3-NOPB	1
LMR14206XMK	4.5V to 42V, 0.6A Step-Down DC/DC Switching Regulator in SOT-23 Package 6-SOT-23-THIN -40 to 125	U3	Texas_Instruments_DC0006A_0	LMR14206XMK	1
DRV8870DDAR	50-V, 3.6-A H-bridge motor driver with current regulation 8-SO PowerPAD -40 to 125	U4	Texas_Instruments_DA0008J_IPC_C	DRV8870DDAR	1
Header2X2	2*2P接插件	USART1	HDR2.54-M-LS-2x2P	Header 2X2	1
USB-5P	微型USB母座	USB1	USB-MICRO_E	USB-5P	1