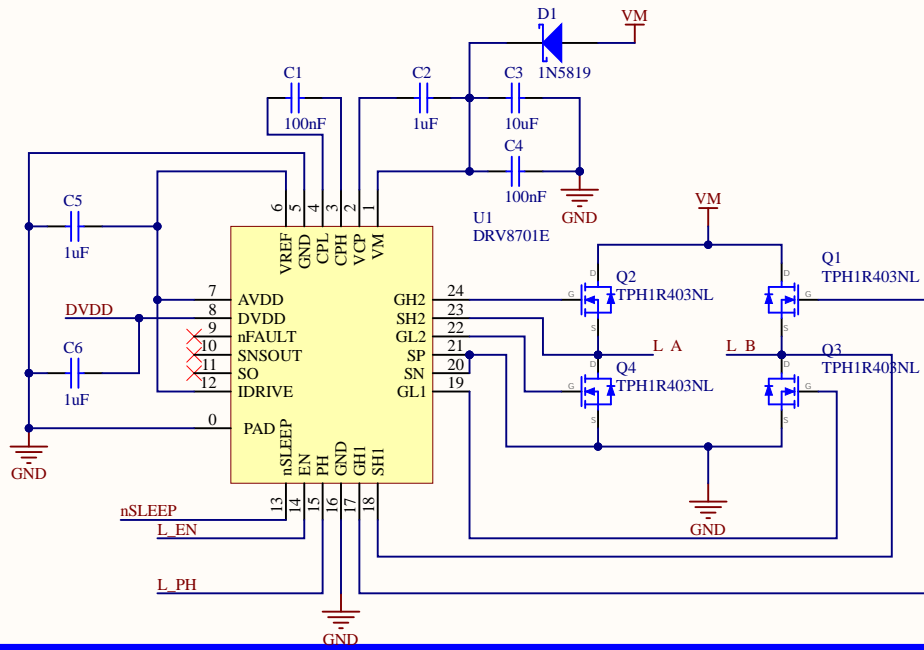
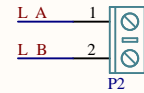


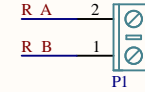
左电机驱动电路



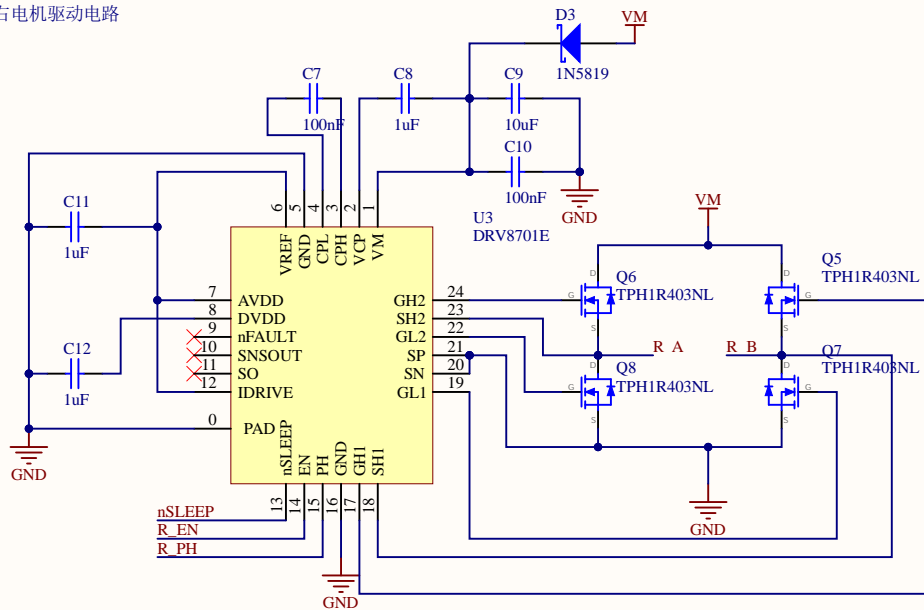
左驱动排针接口



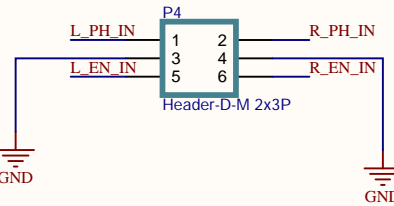
通电排针接口



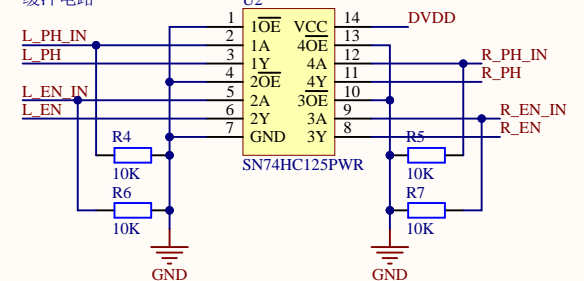
右电机驱动电路



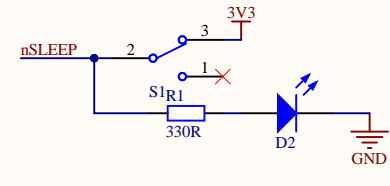
右驱动排针接口



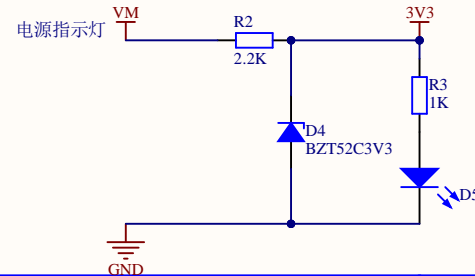
缓冲电路



驱动指示灯



电源指示灯



M1

MountHole

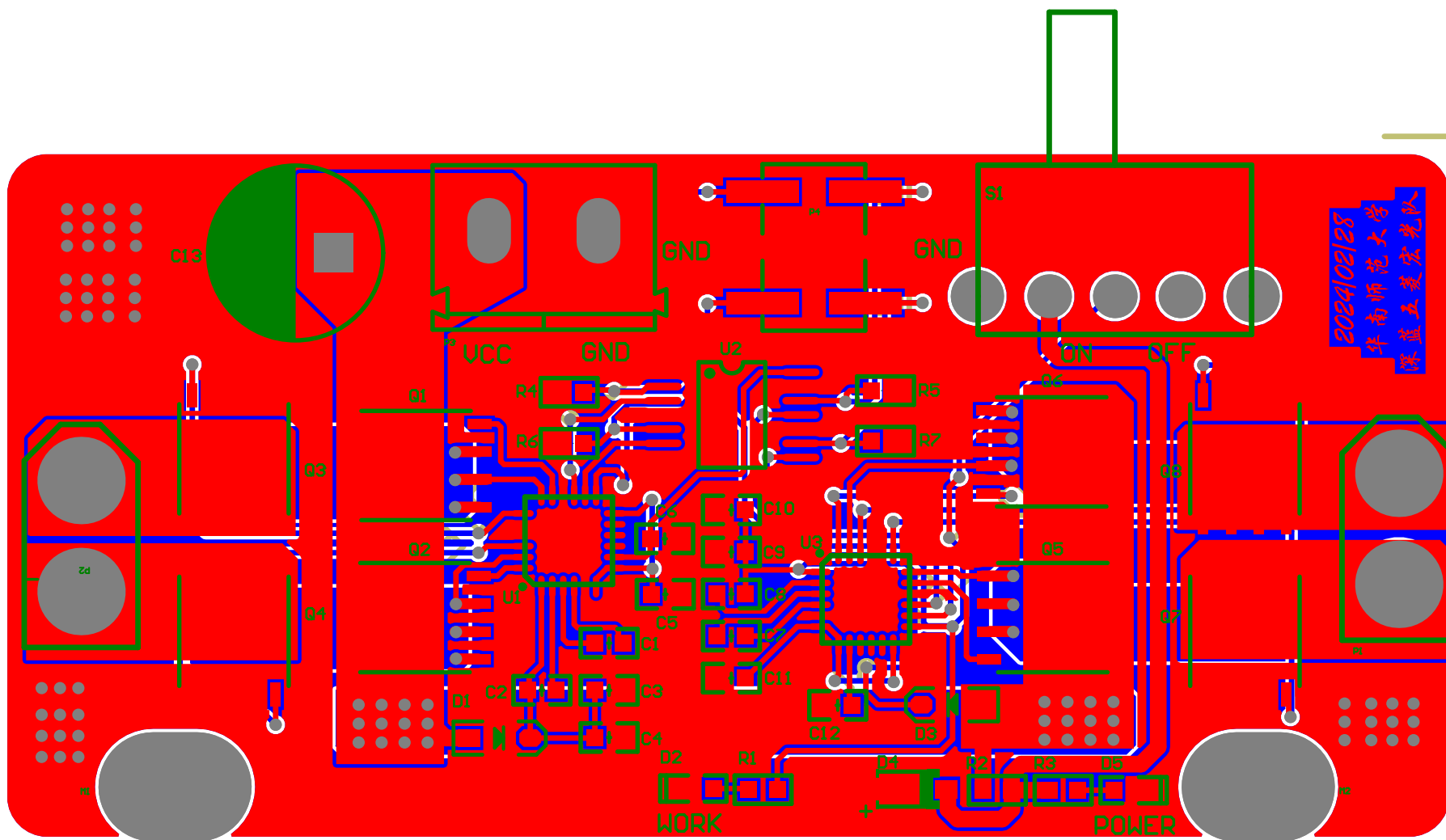
M2

MountHole

Title		
Size	Number	Revision
A2		
Date:	3/29/2024	Sheet of
File:	C:\Users\...\DRV8701ESheet.SchDoc	Drawn By:

67.56 (mm)

32.82 (mm)



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	贴片电容	C1, C4, C7, C10	C0603_L	C-SMD	4
1uF	贴片电容	C2, C5, C6, C8, C11, C12	C0603_L	C-SMD	6
10uF	贴片电容	C3, C9	C0603_L	C-SMD	2
220uF 25V	Polarized Capacitor (Radial)	C13	CAPPR3.5-8X11.5	Cap-Elect	1
1N5819	肖特基二极管	D1, D3	SOD-323	1N5819	2
LED	贴片发光二极管	D2, D5	LED-0603_R	LED_SMD	2
BZT52C3V3	3.3V稳压二极管	D4	SOD-123-L	Diode Zen	1
KF/WJ/DG 30x connector	接线端子 2Pin	P1, P2	XT30-M	KF/WJ/DG 30x	2
KF/WJ/DG 30x connector	接线端子 2Pin	P3	KF/WJ/DG 301-2p-5.0mm	KF/WJ/DG 30x	1
Header-D-M 2x3P	2x3pin, 贴片, 双排针	P4	HDR2X3-M-SMT	Header-S-M 2x3P	1
TPH1R403NL	N沟道MOS	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	DFN5x6	TPH1R403NL	8
330R	贴片电阻	R1	R0603_L	R-SMD	1
2.2K	贴片电阻	R2	R0603_L	R-SMD	1
1K	贴片电阻	R3	R0603_L	R-SMD	1
10K	贴片电阻	R4, R5, R6, R7	R0603_L	R-SMD	4
SW-SPDT	单刀双掷开关 3脚船型、钮子、拨动开关 SPDT Subminiature Toggle Switch	S1	SS-12F23	SW-SPDT	1
DRV8701E	DRV8701E Ti全桥驱动芯片	U1, U3	QFN24-4x4	DRV8701E	2
SN74HC125PWR	三态输出的四路缓冲器	U2	TSSOP14	SN74HC125PWR	1