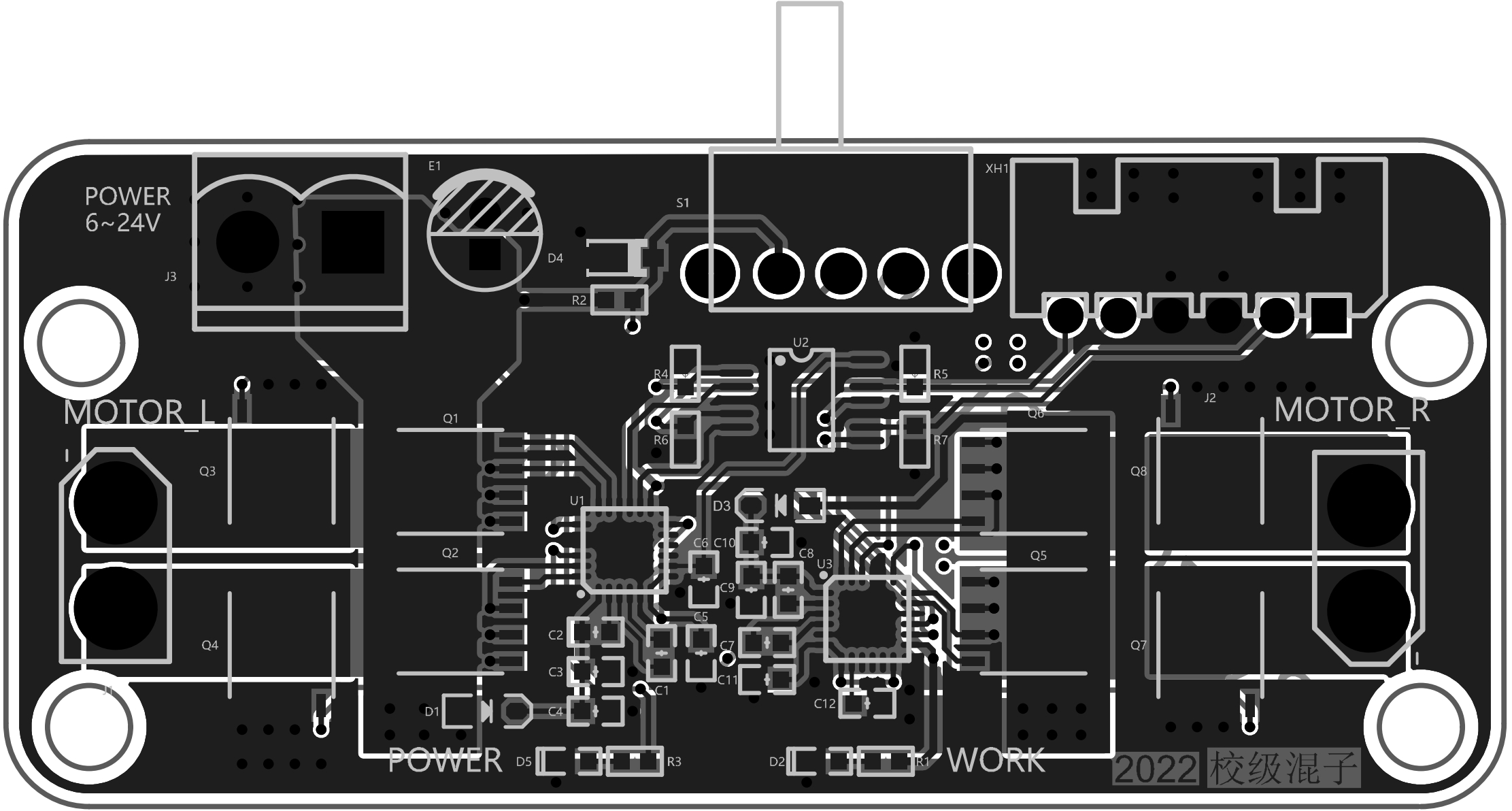


Title		
Size	Number	Revision
A4		
Date:	11/04/2023	Sheet of
File:	C:\Users\...\智能车驱动板DRV8701E.SchDoc	Drawn By:



POWER
6~24V

J3

E1

S1

XH1

MOTOR L

Q3

Q4

Q1

Q2

U1

C2

C3

D1

POWER

D5

R3

R4

R6

U2

R5

R7

D3

C6

C10

C9

C5

C7

C11

U3

C8

C12

D2

R1

WORK

MOTOR R

J2

Q8

Q7

2022 校级混子

Comment	Description	Designator	Footprint	LibRef	Quantity
1N5819	肖特基二极管	[NoValue], D3	SOD-323	1N5819	2
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
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
10uF/25V	直插固态电容	E1	CT-2.0*5*8-R	C-CS	1
XT30PW-M	30A Low Temperature Rise Fire Retardant Plug	J1, J2	XT30-WI	XT30PW-M	2
HT-2P	30A Low Temperature Rise Fire Retardant Plug	J3	CZ-5.08-L-Z-2P	XT30PW-M	1
TPH1R403NL	N沟道MOS	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	DFN5x6	TPH1R403NL	8
1K	贴片电阻	R1, R3	R0603_L	R-SMD	2
2.2K	贴片电阻	R2	R0603_L	R-SMD	1
10K	贴片电阻	R4, R5, R6, R7	R0603_L	R-SMD	4
SS-12F23	1路波动开关	S1	MSK-12C01-07	SSW-1P	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
XH2.54-6P		XH1	XH2.54-6P-WI	XH2.54-6P	1