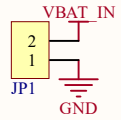

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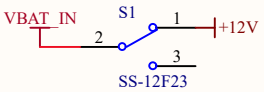
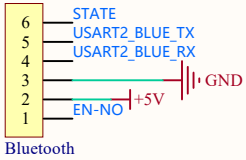


开关



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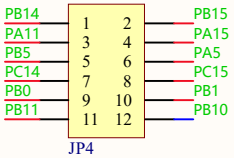

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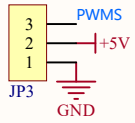
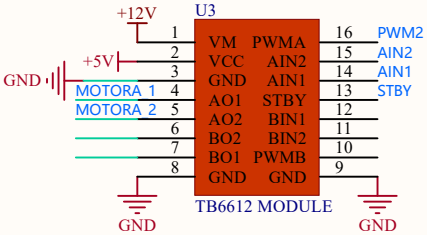
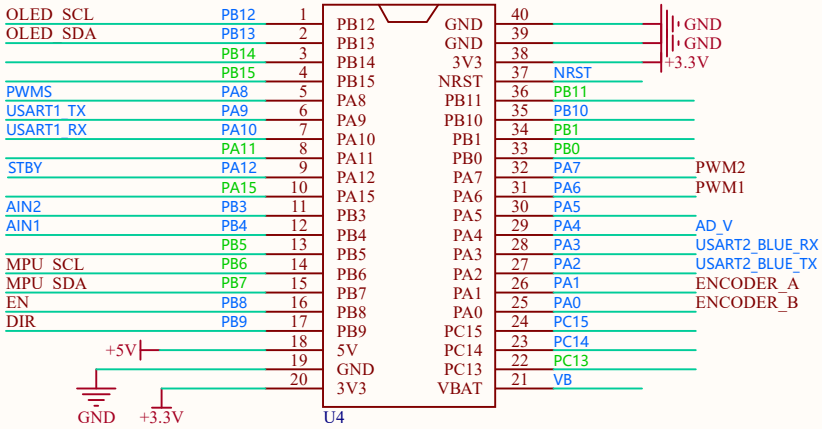


舵机接口



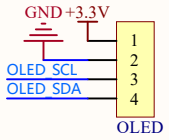
TB6612电机驱动



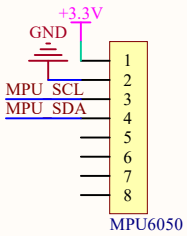
STM32F103C8T6核心板

12->20V升压模块

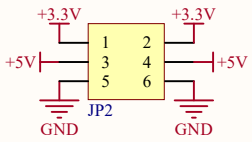
20V->5V降压模块



OLED显示屏



MPU6050模块



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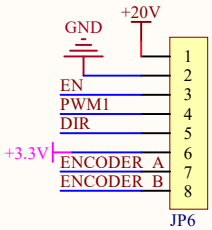
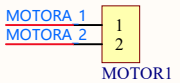
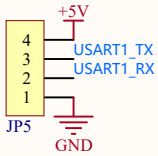


飞轮电机接口



N20电机接口



调试串口

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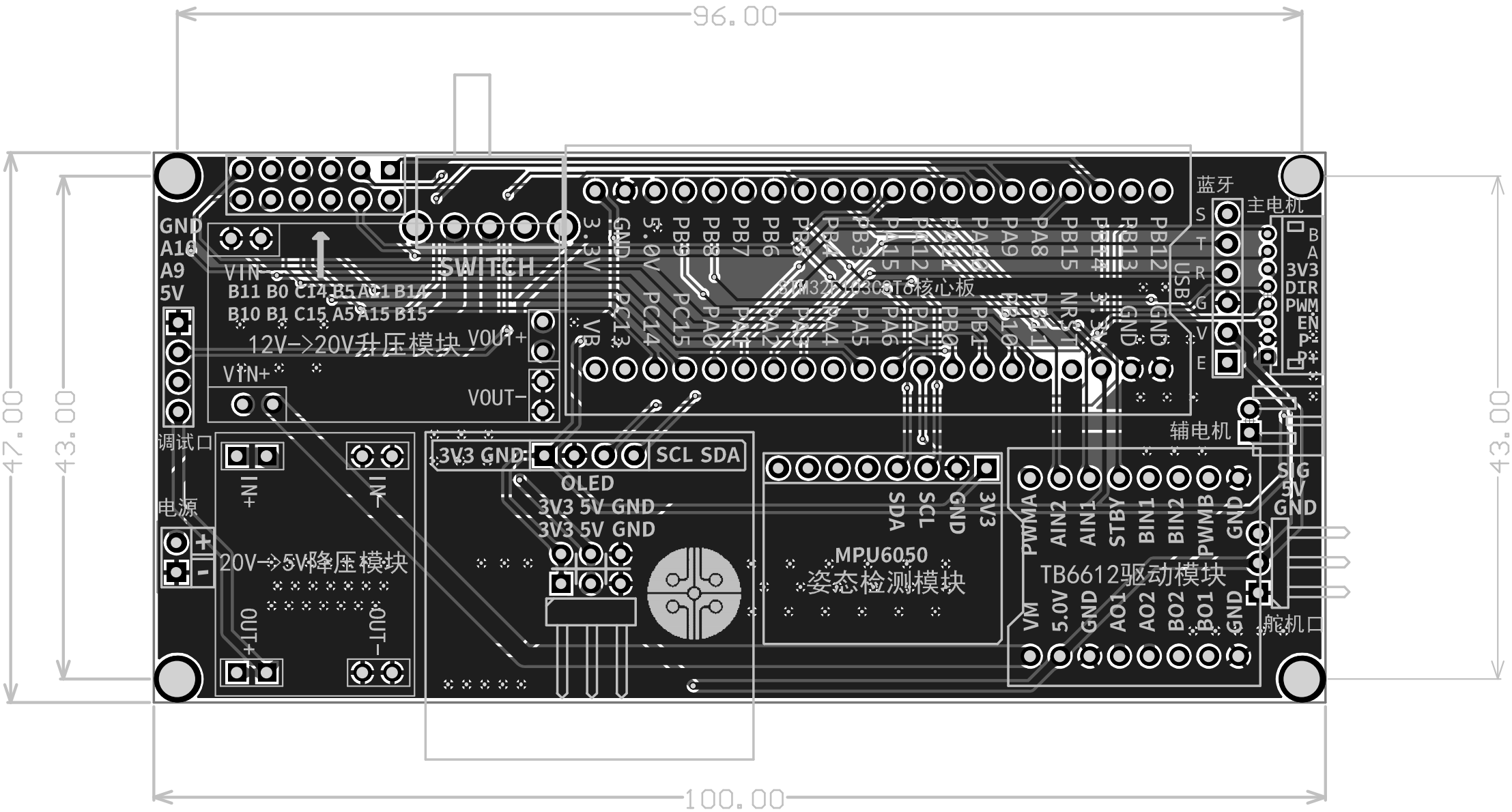
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GND
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A9
5V
VIN-
B11 B0 C14 B5 A0 A1 B1 A7
B10 B1 C15 A5 A15 B15
SWITCH
12V->20V升压模块
VOUT+
VIN+
VOUT-
调试口
电源
IN+
IN-
20V->5V降压模块
OUT+
OUT-
3V3 GND
SCL SDA
OLED
3V3 5V GND
3V3 5V GND
SDA SCL GND 3V3
MPU6050
姿态检测模块
PWMA AIN2 AIN1 STBY BIN1 BIN2 PWMB GND
VM 5.0V GND AO1 AO2 BO2 BO1 GND
TB6612驱动模块
蓝牙
STRGVE
主电机
B A
3V3
DIR
PWM
EN
P-
P+
辅电机
SIG
5V
GND
舵机口

Comment	Description	Designator	Footprint	LibRef	Quantity
HDR-1X6	6P接插件	Bluetooth	HDR2.54-M-LI-6P	Header 6	1
HDR-1X2	2P接插件	JP1	HDR2.54-LI-2P	Header 2	1
Header3X2	3*2P接插件	JP2	HDR2.54-WI-2x3P	Header 3X2	1
HDR-1X3	3P接插件	JP3	HDR2.54-WI-3P	Header 3	1
Header 6X2	6*2P接插件	JP4	HDR2.54-LI-2x6P	Header 6X2	1
HDR-1X4	4P接插件	JP5	HDR2.54-LI-4P	Header 4	1
HDR-1X8	8P接插件	JP6	ZH1.5-WI-8P	Header 8	1
HDR-1X2	2P接插件	MOTOR1	PH2.0-WI-2P	Header 2	1
HDR-1X8	8P接插件	MPU6050	HDR2.54-M-LI-8P	Header 8	1
HDR-1X4	4P接插件	OLED	HDR2.54-M-LI-4P	Header 4	1
SS-12F23	1路波动开关	S1	SS-12F23	SSW-1P	1
Boost_module_for_20V	20V/5A升压模块	U1	Boost_module_for_20V	Boost_module_for_20V	1
MP1584-module	MP1584/3A降压模块	U2	MP1584稳压模块	MP1584降压模块	1
TB6612 MODULE		U3	TB6612 MODULE	TB6612 MODULE	1
STM32F103C8T6 MO		U4	STM32F103C8T6 MO	STM32F103C8T6 MO	1