

A

B

C

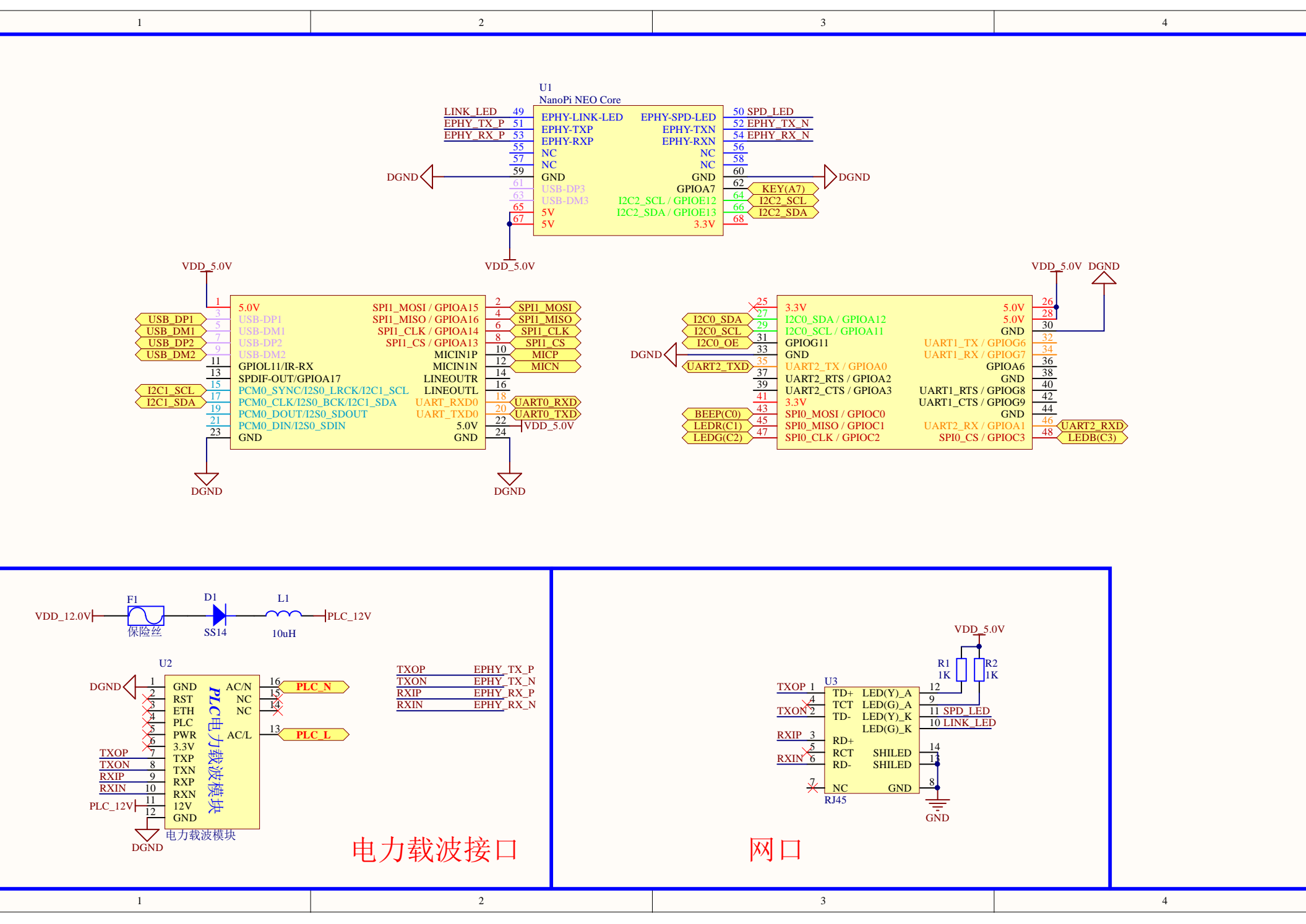
D

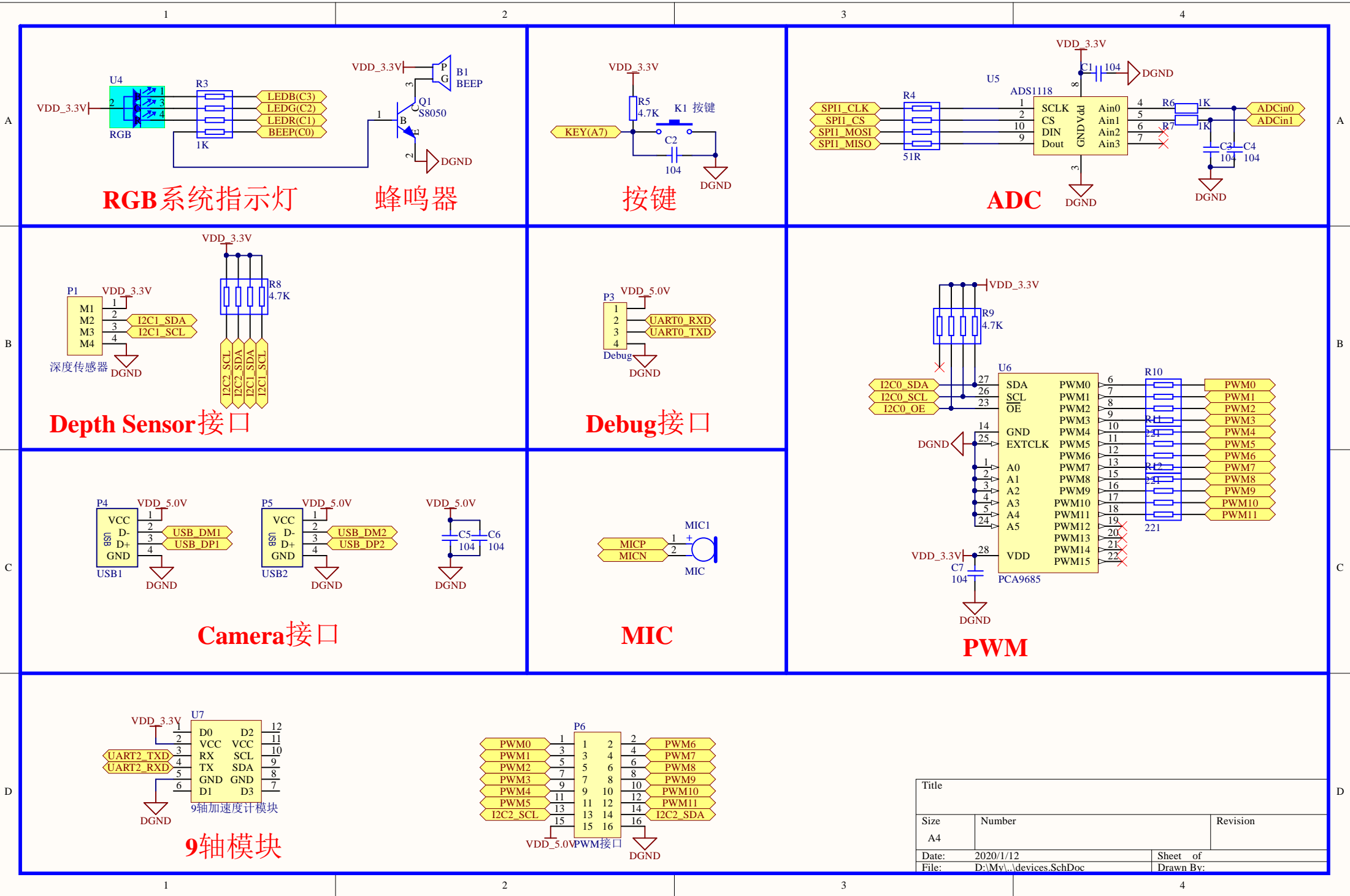
A

B

C

D



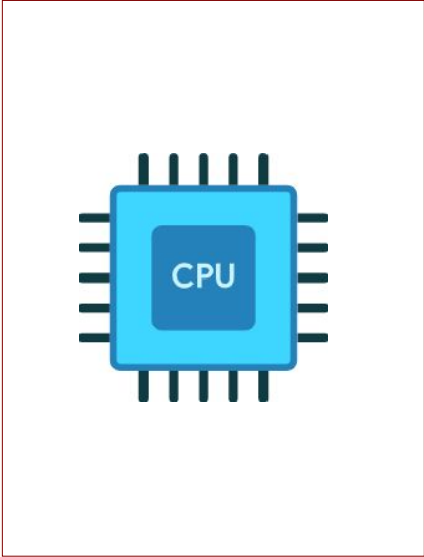


Title		
Size	Number	Revision
A4		
Date:	2020/1/12	Sheet of
File:	D:\My\...\devices.SchDoc	Drawn By:

电源管理
power.SchDoc



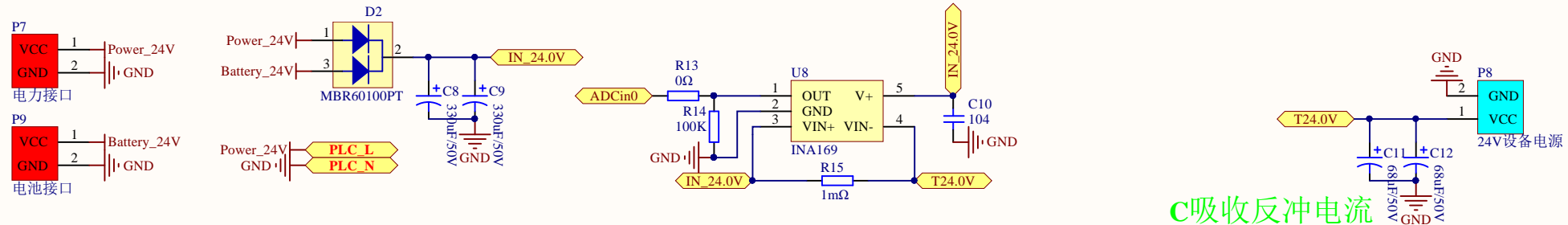
主控
core.SchDoc



外设
devices.SchDoc

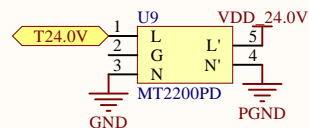


Title		
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Date:	2020/1/12	Sheet of
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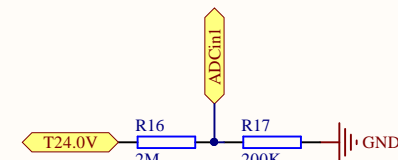


Wide 4.5V to 28V Operating Input Range

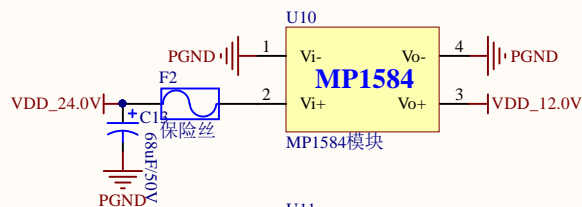
Programmable Switching Frequency from 100kHz to 1.5MHz



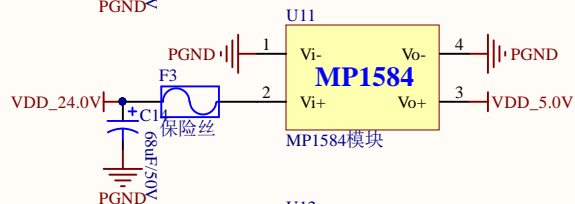
12.0V POWER



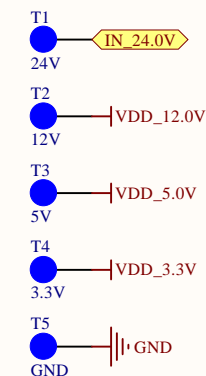
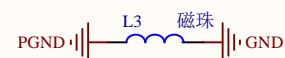
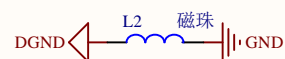
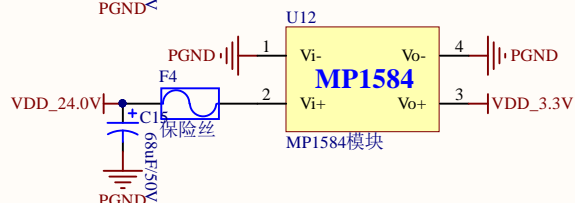
电压分压



5.0V POWER



3.3V POWER



信发创新

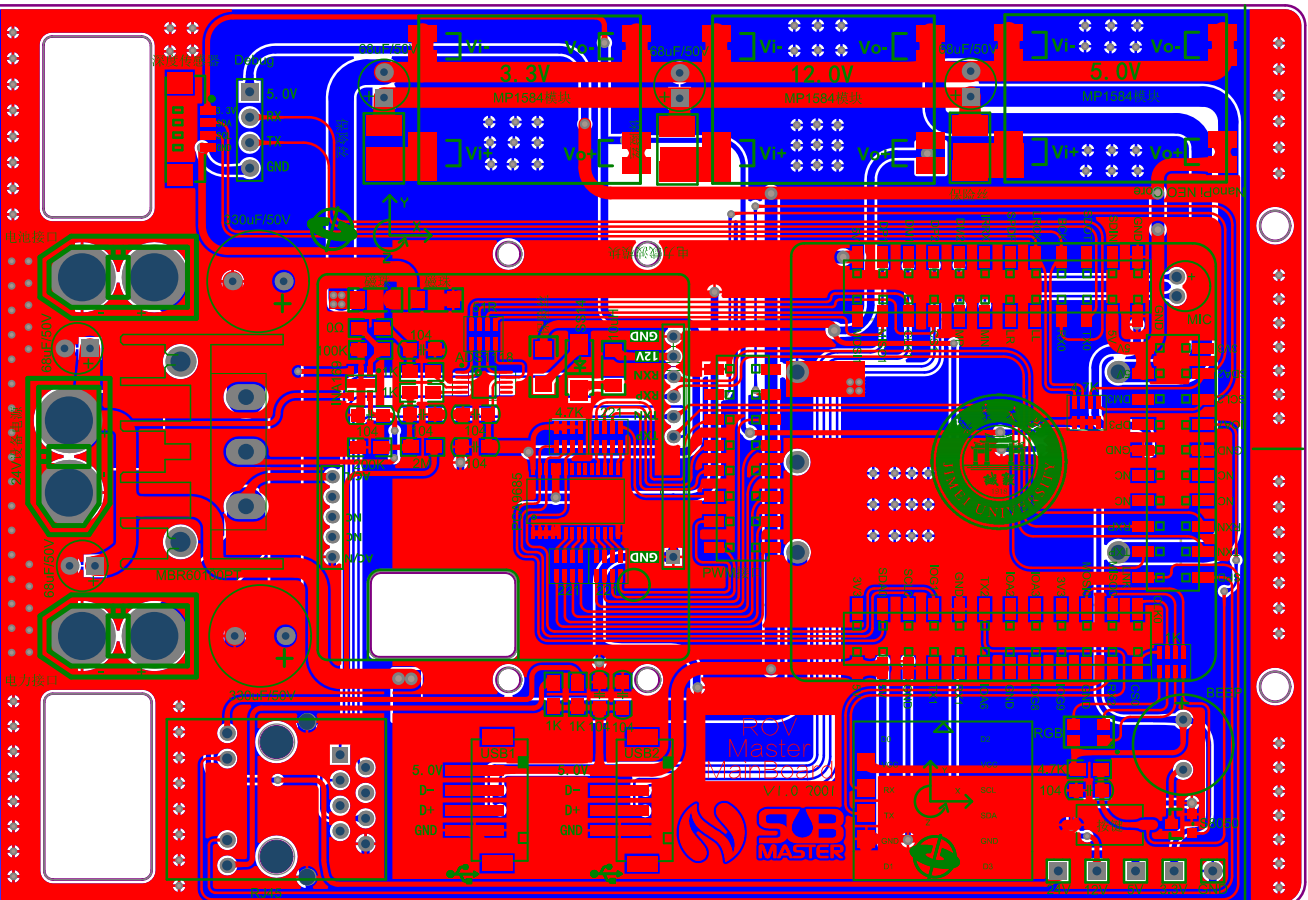
自强不息

Electric Wire Connector

左上

左中

右上



Comment	Description	Designator	Footprint	LibRef	Quantity
			Sub master logo	Sub Master logo	1
BEEP		B1	BUZZER	BEEP	1
104	无极贴片电容	C1, C2, C3, C4, C5, C6, C7, C10	0805C	Cap1	8
330uF/50V	直插极性电容	C8, C9	RB.2.4	Cap3	2
68uF/50V	直插极性电容	C11, C12, C13, C14, C15	RB.1.2	Cap3	5
SS14	二极管	D1	SMA/DO-214AC	Diode	1
MBR60100PT		D2	TO-247LS	MBR60100PT	1
保险丝	保险丝	F1	FUSE-1206	Fuse	1
保险丝	保险丝	F2, F3, F4	FUSE-1812	Fuse	3
按键	轻触开关	K1	贴片按键	贴片按键	1
10uH	电感	L1	1206L	L	1
磁珠	电感	L2, L3	1206L	L	2
	LOGO	LOGO2	JMU_LOGO(1.35cm)	JMU_LOGO	1
MIC		MIC1	MIC	MIC	1
深度传感器	4PIN	P1	MX1.25S-4P	接线端子-4PIN	1
Debug	排针	P3	Header 4(排母)	Header 4	1
USB1		P4	PH2.0S-4P	USB	1
USB2		P5	PH2.0S-4P	USB	1
PWM接口		P6	HDR2X8/2.54-SMD	Header 2X8	1
电力接口		P7	XT60-F	电源端子	1
24V设备电源		P8	XT60-F	推进器电源	1
电池接口		P9	XT60-F	电源端子	1
S8050	NPN三极管	Q1	SOT-23	NPN	1
1K	电阻	R1, R2, R6, R7	0805R	Res	4
1K	排阻	R3	排阻(4位贴片)	Res-4	1
51R	排阻	R4	排阻(4位贴片)	Res-4	1
4.7K	电阻	R5	0805R	Res	1
4.7K	排阻	R8, R9	排阻(4位贴片)	Res-4	2
221	排阻	R10, R11, R12	排阻(4位贴片)	Res-4	3
0Ω	电阻	R13	0805R	Res	1
100K	电阻	R14	0805R	Res	1
1mΩ	电阻	R15	2512R	Res	1
2M		R16	0805R	R1	1
200K		R17	0805R	R1	1
24V	测试点	T1	HEADER 1	测试点	1
12V	测试点	T2	HEADER 1	测试点	1
5V	测试点	T3	HEADER 1	测试点	1
3.3V	测试点	T4	HEADER 1	测试点	1
GND	测试点	T5	HEADER 1	测试点	1
NanoPi NEO Core		U1	NanoPi NEO Core	NanoPi NEO Core	1
电力载波模块		U2	电力载波模块6410	电力载波模块6410	1
RJ45		U3	RJ45	RJ45	1
RGB		U4	RGB-3528	RGB	1
ADS1118		U5	VSSOP-10	ADS1118	1
PCA9685		U6	TSSOP-28	PCA9685	1
9轴加速度计模块		U7	9轴加速度计	9轴加速度计	1
INA169		U8	SOT23-5	INA169	1
MT2200PD		U9	MT2200PD-6A	MT2200PD	1
MP1584模块		U10, U11, U12	MP1584电源模块	MP1584电源模块	3