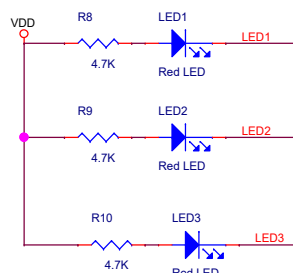
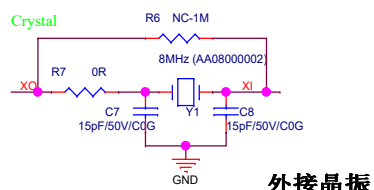
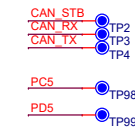
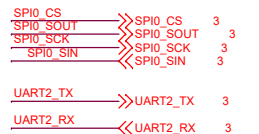
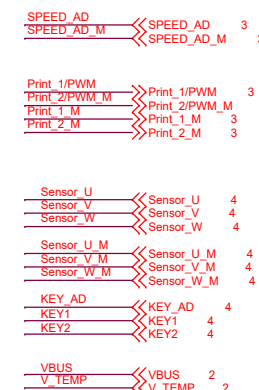
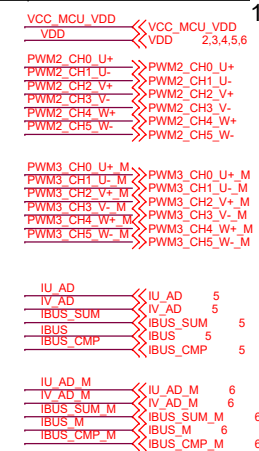
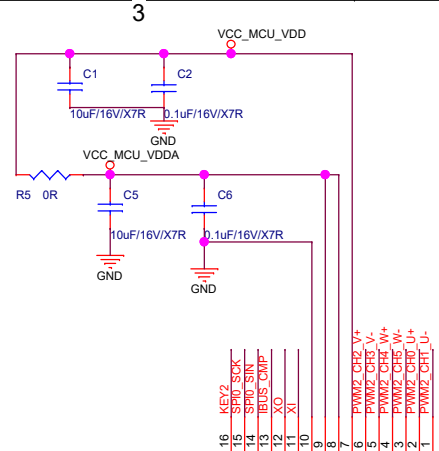
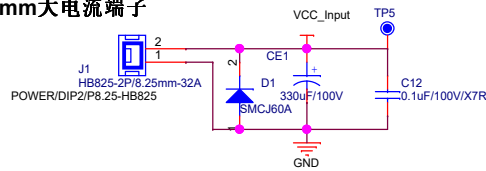


JTAG	
1	2
VDD	
3	4
	GND
5	6
	GND
7	8
SWD_DIO	GND
9	10
SWD_CLK	GND
11	12
	GND
13	14
	GND
15	16
NRST	GND
17	18
	GND
19	20
	GND

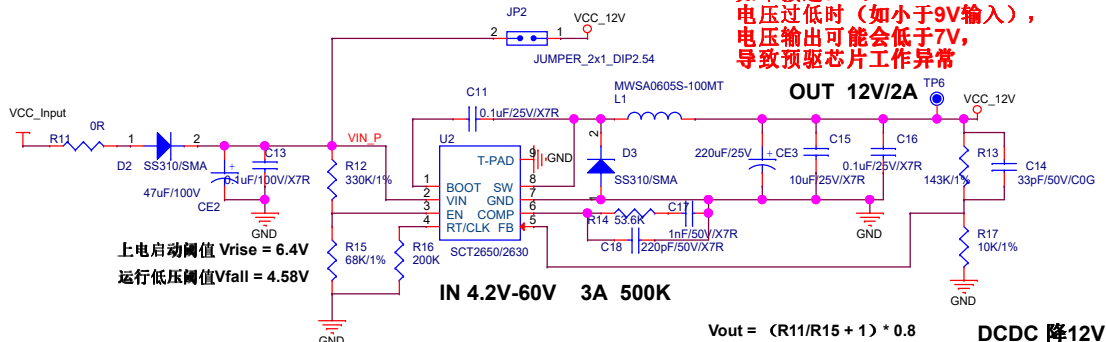


8.25mm大电流端子



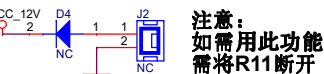
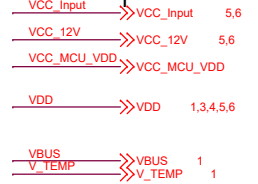
电源输入 8-36V

供电大于20V, JP2必须断开, 不然容易烧坏预驱芯片
用12V供电, 可选择接通JP2, 消除U2带来的电压降

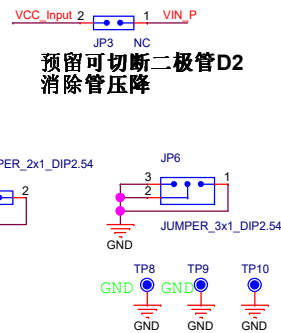


$$V_{out} = (R_{11}/R_{15} + 1) \times 0.8$$

DCDC 降12V



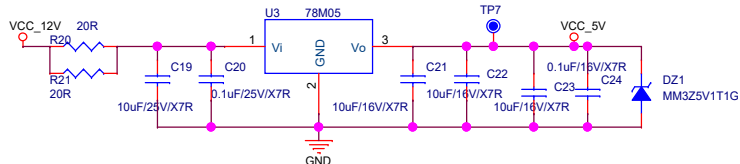
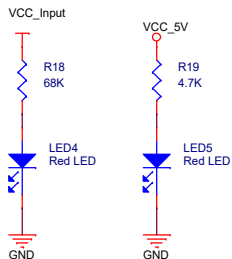
预留12V外部供电口



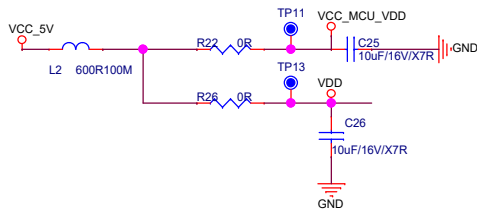
预留可切断二极管D2
消除管压降

LDO 降5V

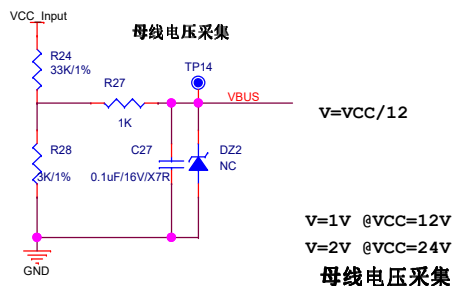
电源指示灯



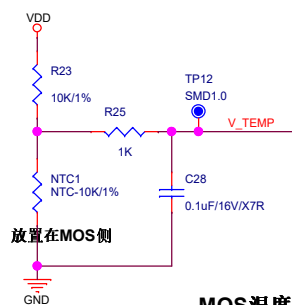
MCU/外接口供电选择



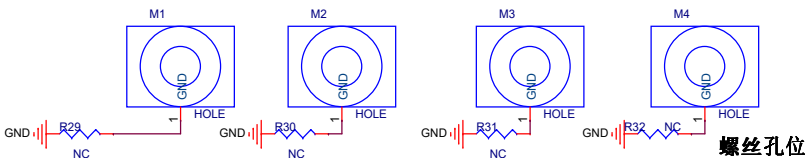
母线电压采集



$V = V_{CC}/12$
 $V = 1V @ V_{CC} = 12V$
 $V = 2V @ V_{CC} = 24V$
母线电压采集

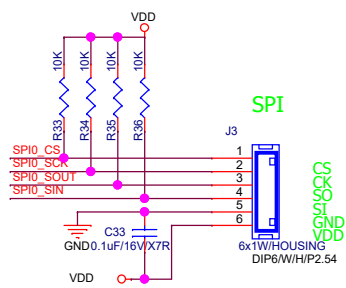


MOS温度采集



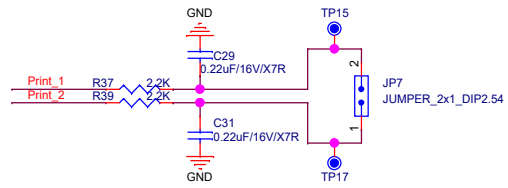
螺丝孔位

AutoChips		AutoChips Inc.	
Project Name:		AC7840x-Double-Motor-Demo-V1.1	
Size: A3	Page Name: Power	Designer: xiaolong.lai	Rev: <RevCod
Date: Thursday, December 15, 2022	Sheet 2 of 6	Checker: xinghui.liu	



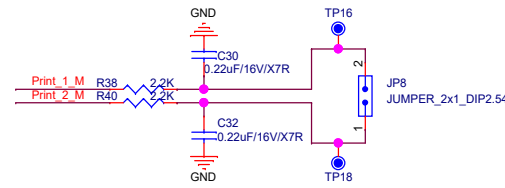
SPI

用于方便软件调试，输出波形用

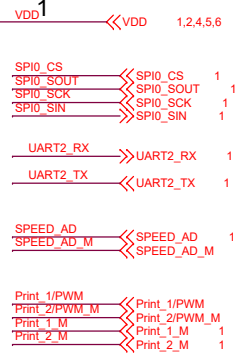


打印接口

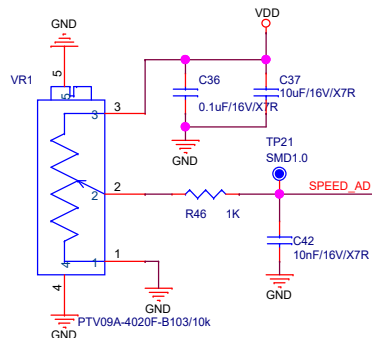
用于方便软件调试，输出波形用



打印接口

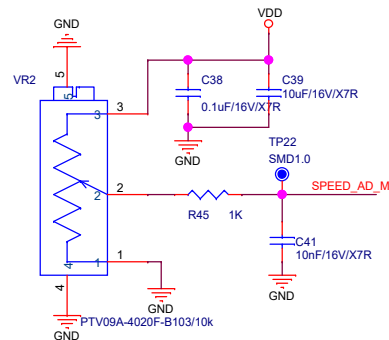


电位器调速



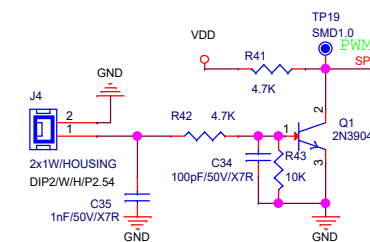
电位器调速
电机1

电位器调速



电位器调速
电机2

电机2



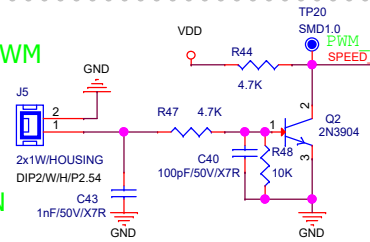
如PWM输入电压过小/过大
可适当调整分压比

IN:5-24V PWM

PWM调速口

电机1

PWM_SIG_IN



如PWM输入电压过小/过大
可适当调整分压比

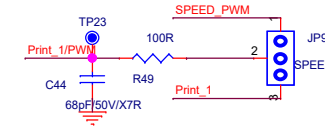
电机1

跳帽选择

接1-2脚

接2-3脚

PWM调速
电角度打印1



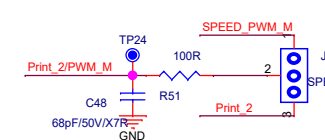
电机2

跳帽选择

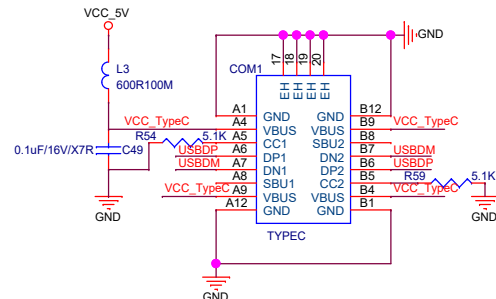
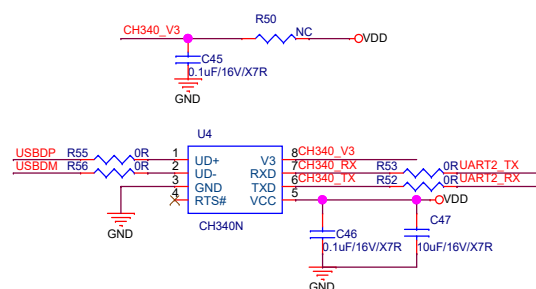
接1-2脚

接2-3脚

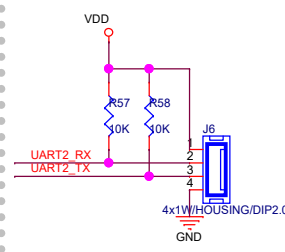
PWM调速
电角度打印1



共用一路接口



USB



串口

