

Modify note

Version	Date	Author	Change Note	Approved
V1	2023/3/4	MHR	First edictor	

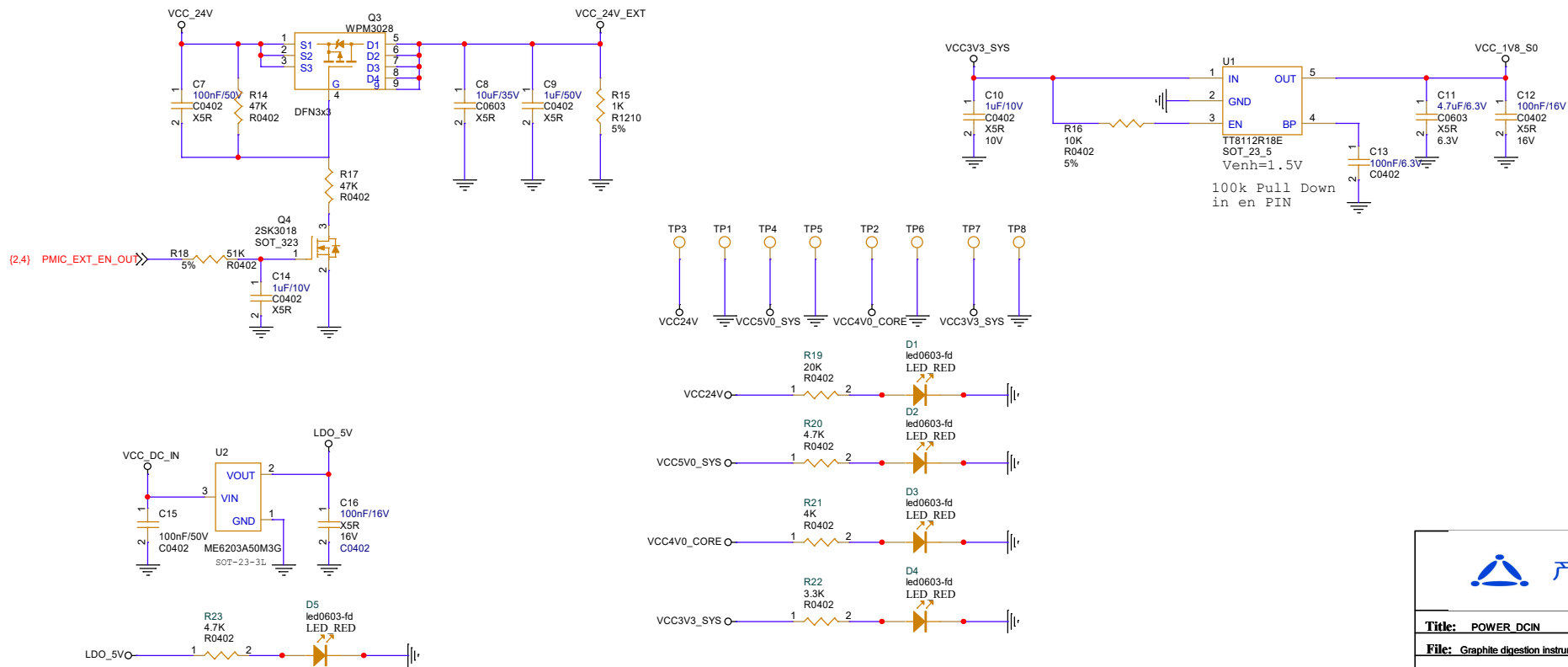
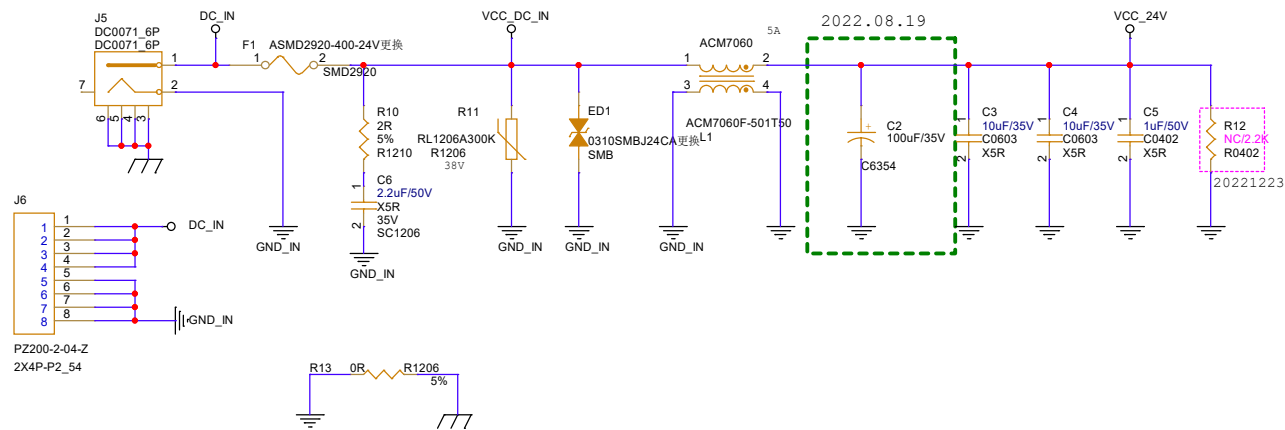


产品梦工厂

Title: Modify note	
File: Graphite digestion instrument	REV: v1
Create Date: Thursday, April 06, 2023	Page Num: 1
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DC IN



Title:	POWER DCIN
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File: Graphite digestion instrument

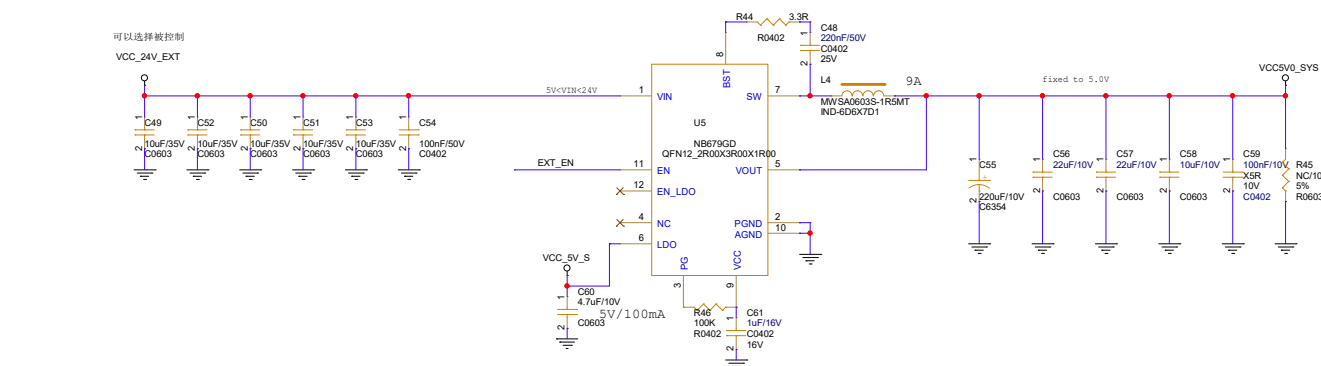
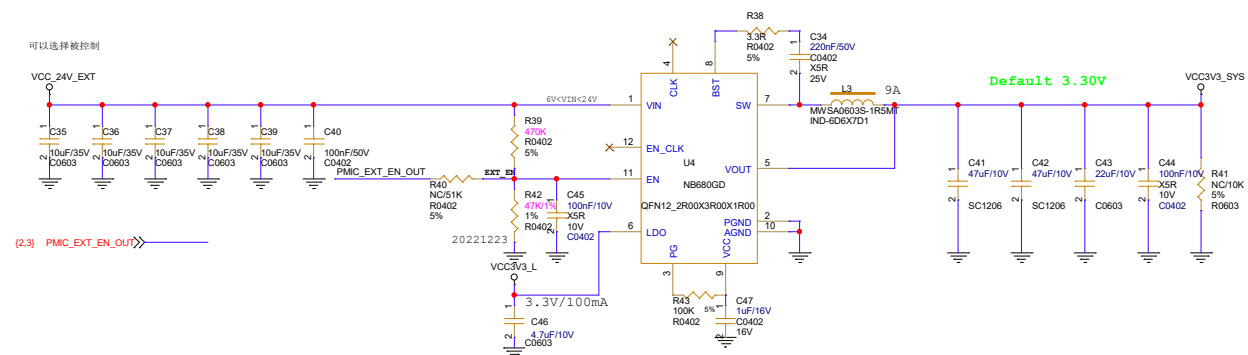
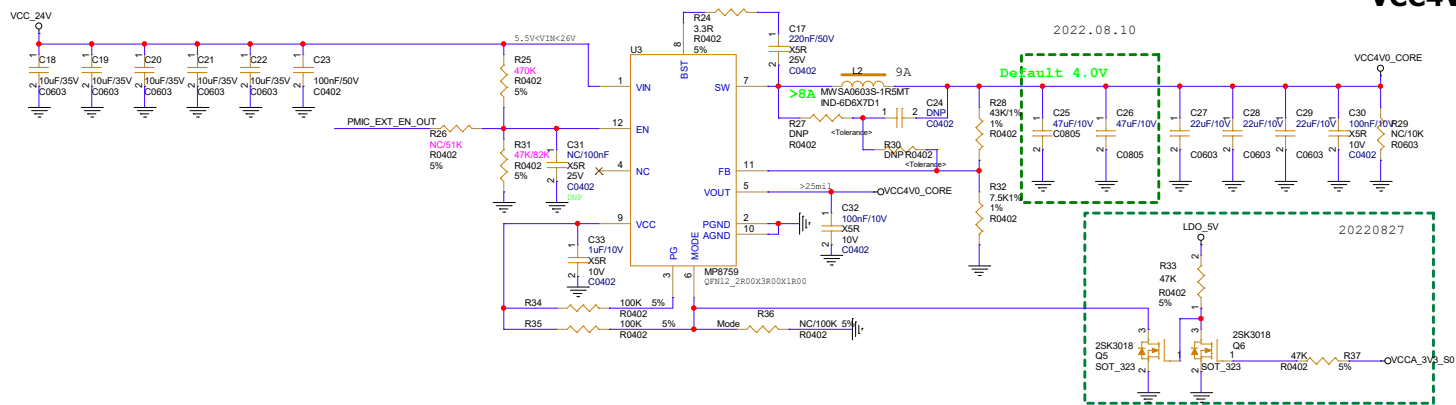
REV: v1

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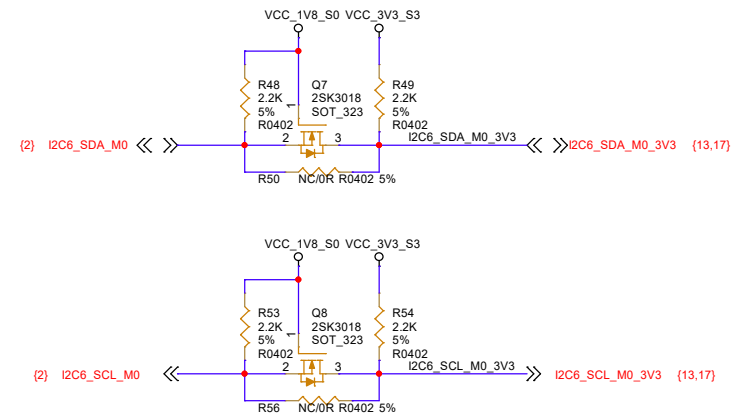
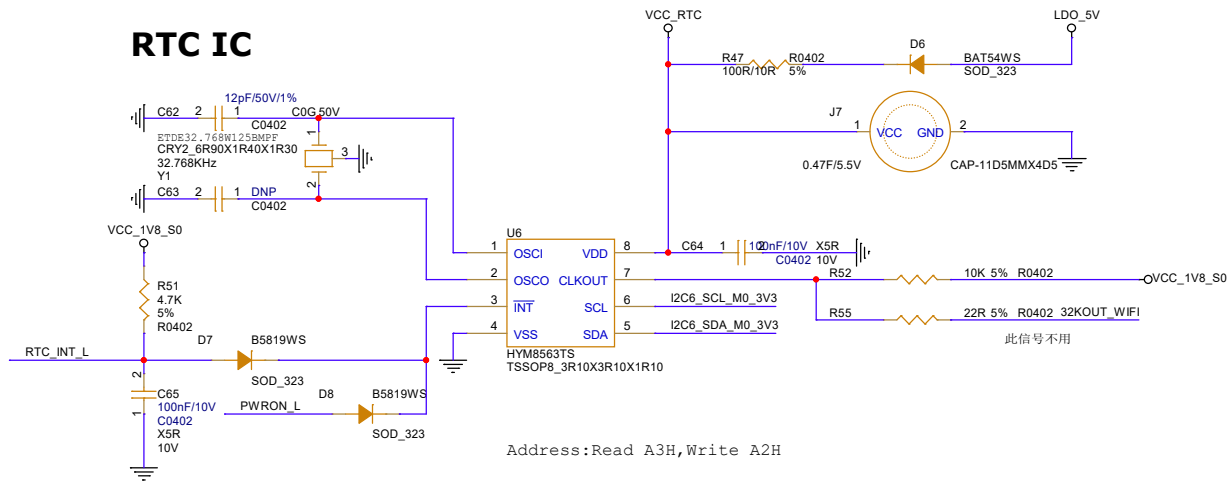
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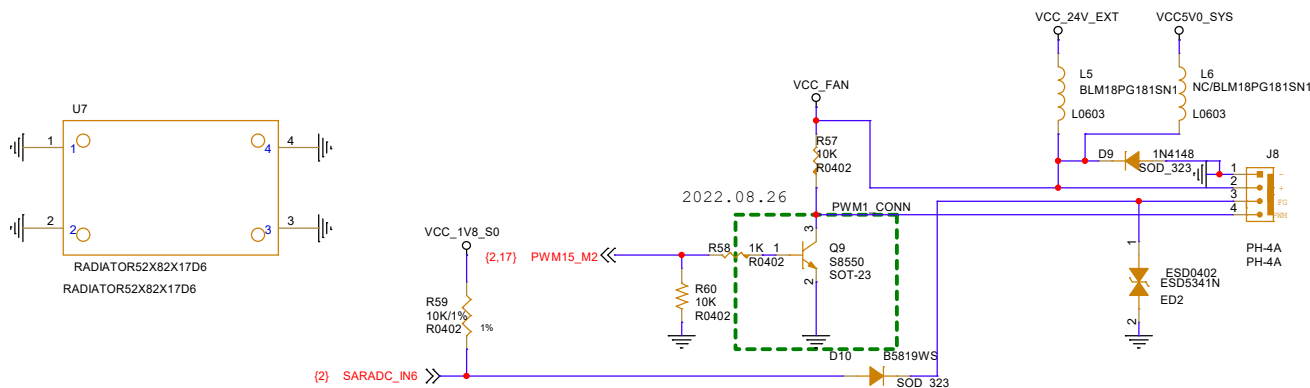


RTC_INT_L (2)
32KOUT_WIFI (18)
PWRON_L (2,14)

RTC IC



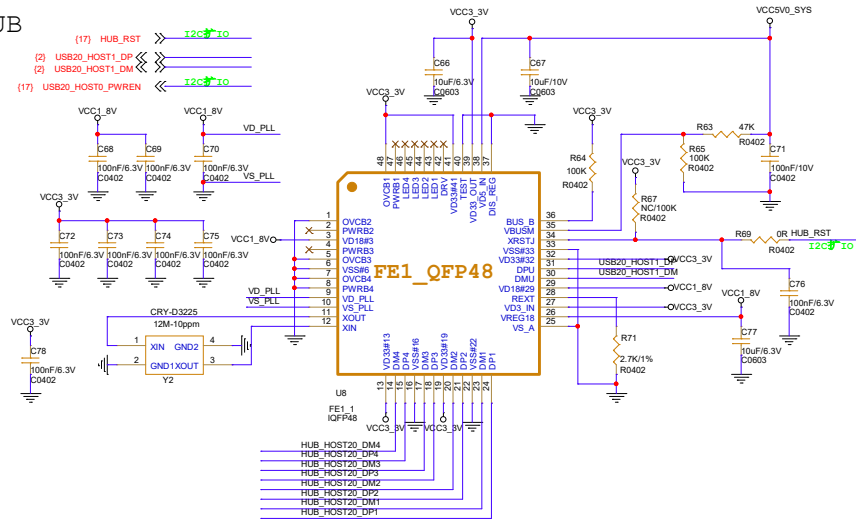
FAN



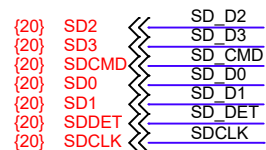
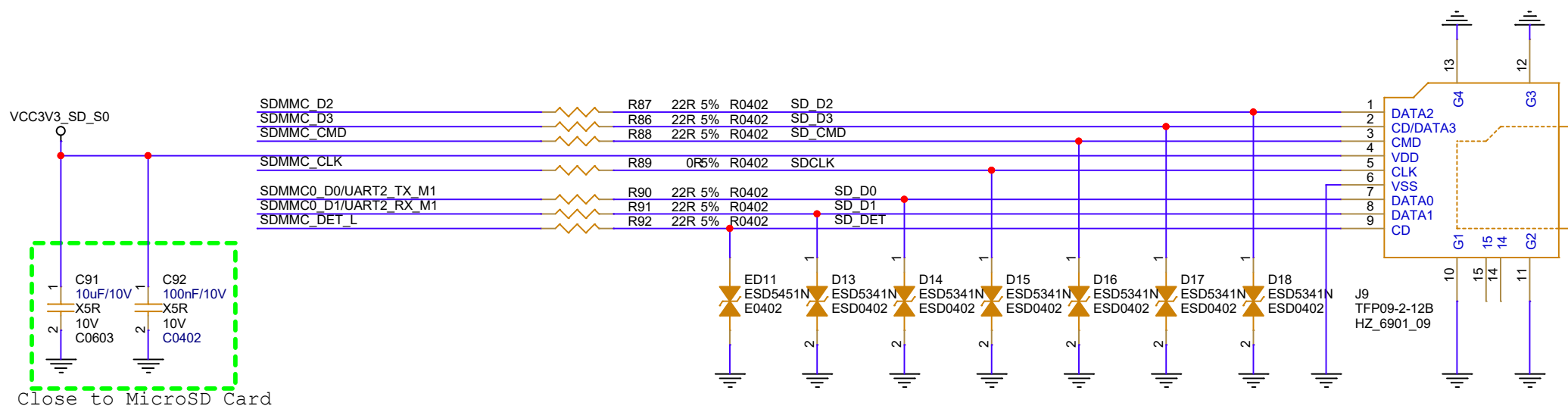
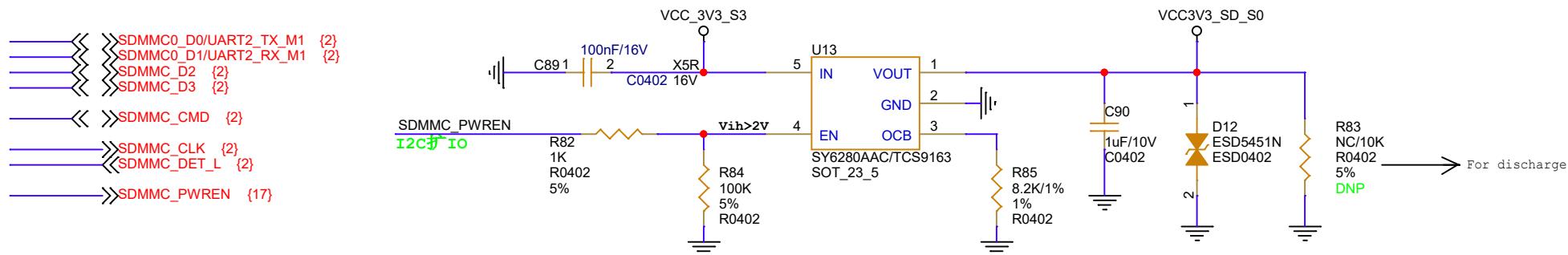
产品梦工厂

Title: FAN/RTC	
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HUB



TF CARD



MicroSD Card



Title: Flash-TF Card

File: Graphite digestion instrument

REV: v1

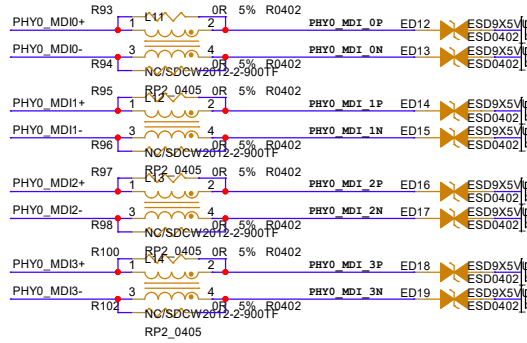
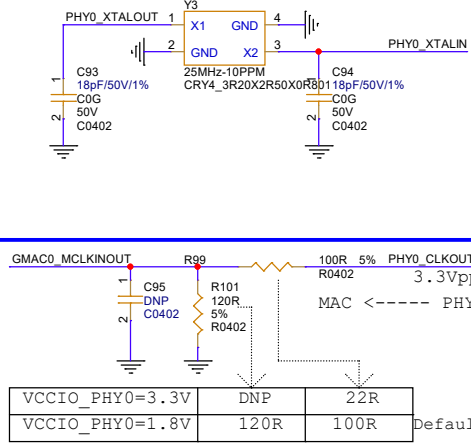
Create Date: Thursday, April 06, 2023

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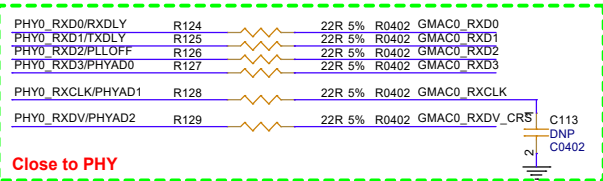
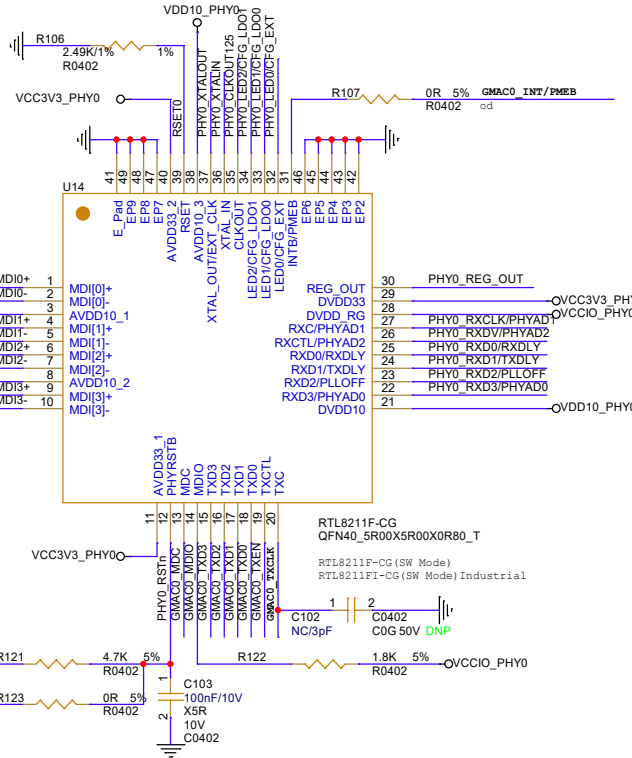
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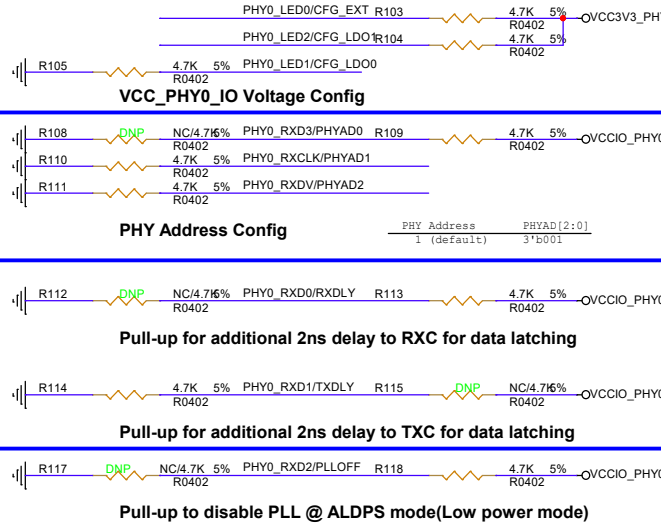
>>> GMAC0_TXD0 (2)
 >>> GMAC0_TXD1 (2)
 >>> GMAC0_TXD2 (2)
 >>> GMAC0_TXD3 (2)
 >>> GMAC0_TXEN (2)
 >>> GMAC0_TXCLK (2)
 >>> GMAC0_RXD0 (2)
 >>> GMAC0_RXD1 (2)
 >>> GMAC0_RXD2 (2)
 >>> GMAC0_RXD3 (2)
 >>> GMAC0_RXDV_CRS (2)
 >>> GMAC0_RXCLK (2)
 >>> GMAC0_MCLKINOUT (2)
 >>> GMAC0_MDC (2)
 >>> GMAC0_MDIO (2)
 >>> GMAC0_RSTn_L (2)
 >>> GMAC0_INT/PMEB (2)



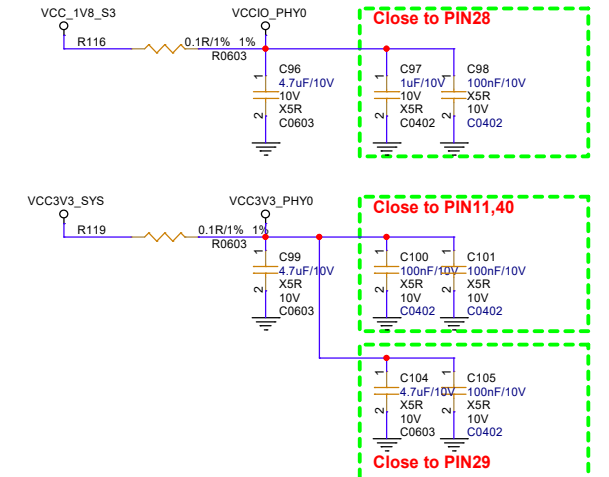
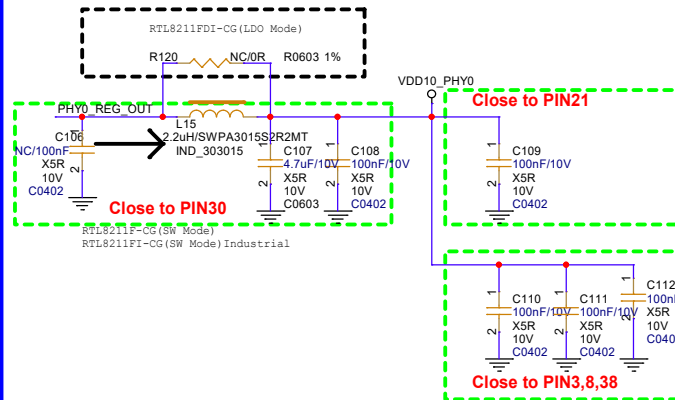
>>> PHY0_MDI_3N (10,20)
 >>> PHY0_MDI_3P (10,20)
 >>> PHY0_MDI_2N (10,20)
 >>> PHY0_MDI_2P (10,20)
 >>> PHY0_MDI_1N (10,20)
 >>> PHY0_MDI_1P (10,20)
 >>> PHY0_MDI_0N (10,20)
 >>> PHY0_MDI_0P (10,20)
 >>> PHY0_LED2/CFG_LDO1 (10,20)
 >>> PHY0_LED1/CFG_LDO0 (10,20)



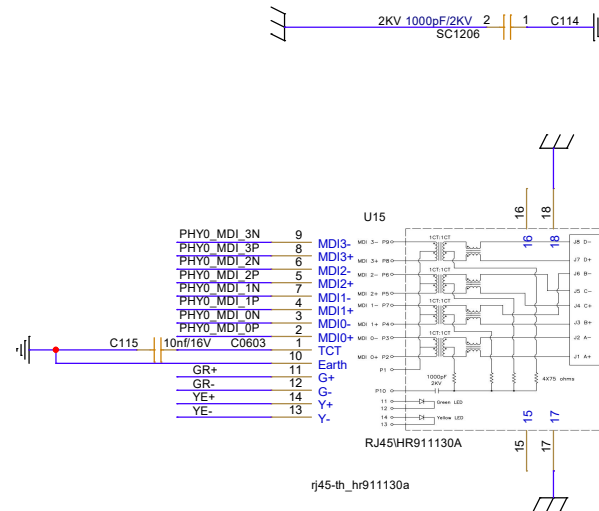
Rockchip Confidential



RGMII Power Source	CFG EXT	CFG LDO[1:0]	
External 3.3V	1'b1	2'b00	
External 1.8V (default)	1'b1	2'b10	
Internal 1.8V	1'b0	2'b10	

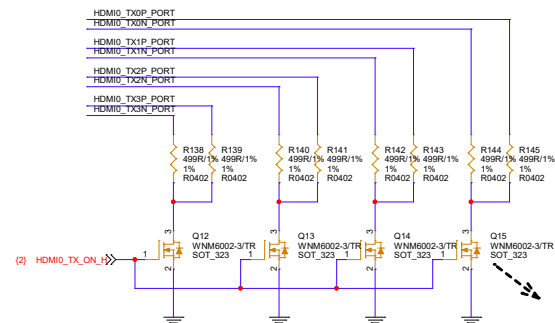
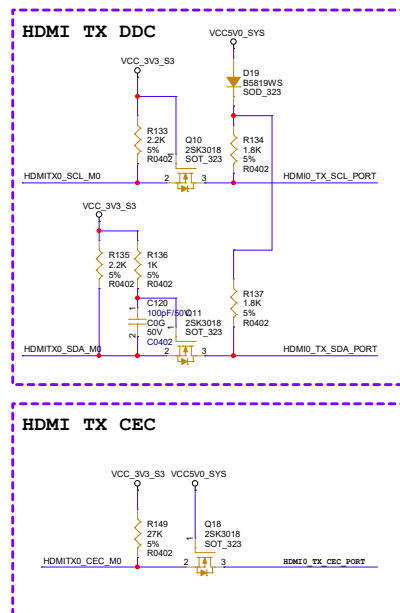
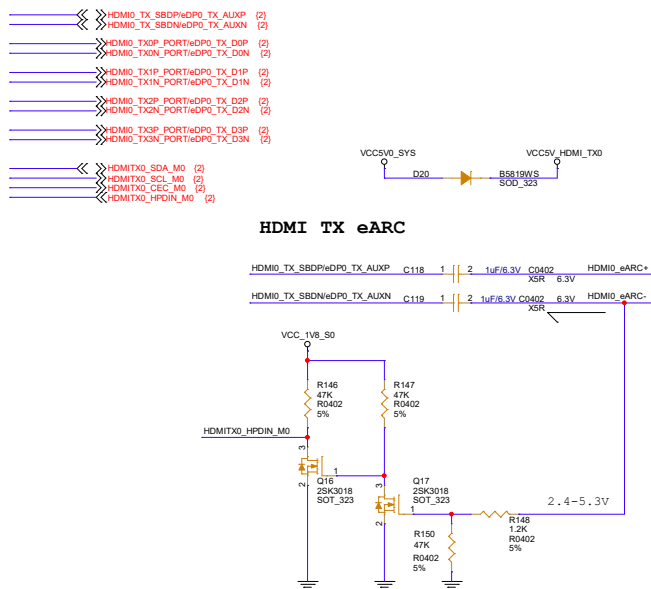


Title: Ethernet-GEPHY RGMII	
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HDMI TX0

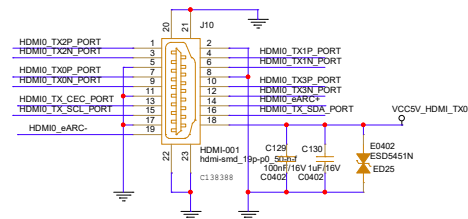
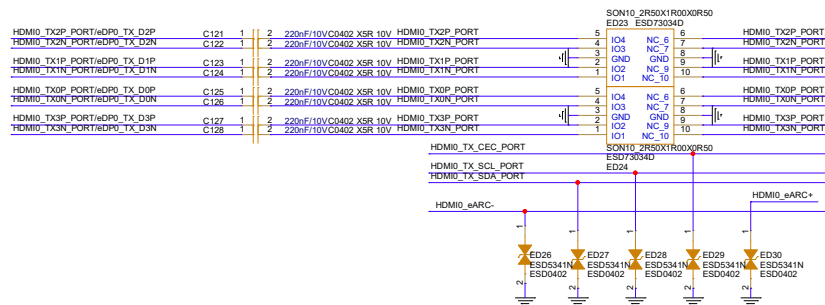


Note:

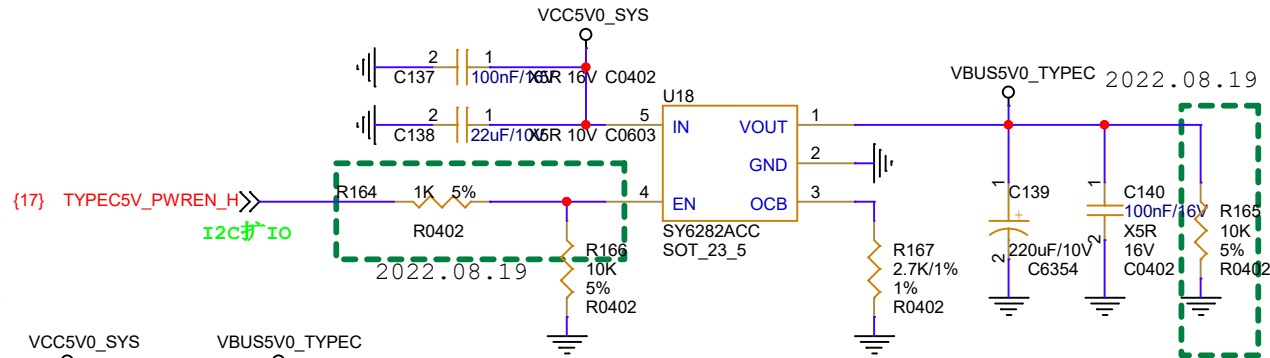
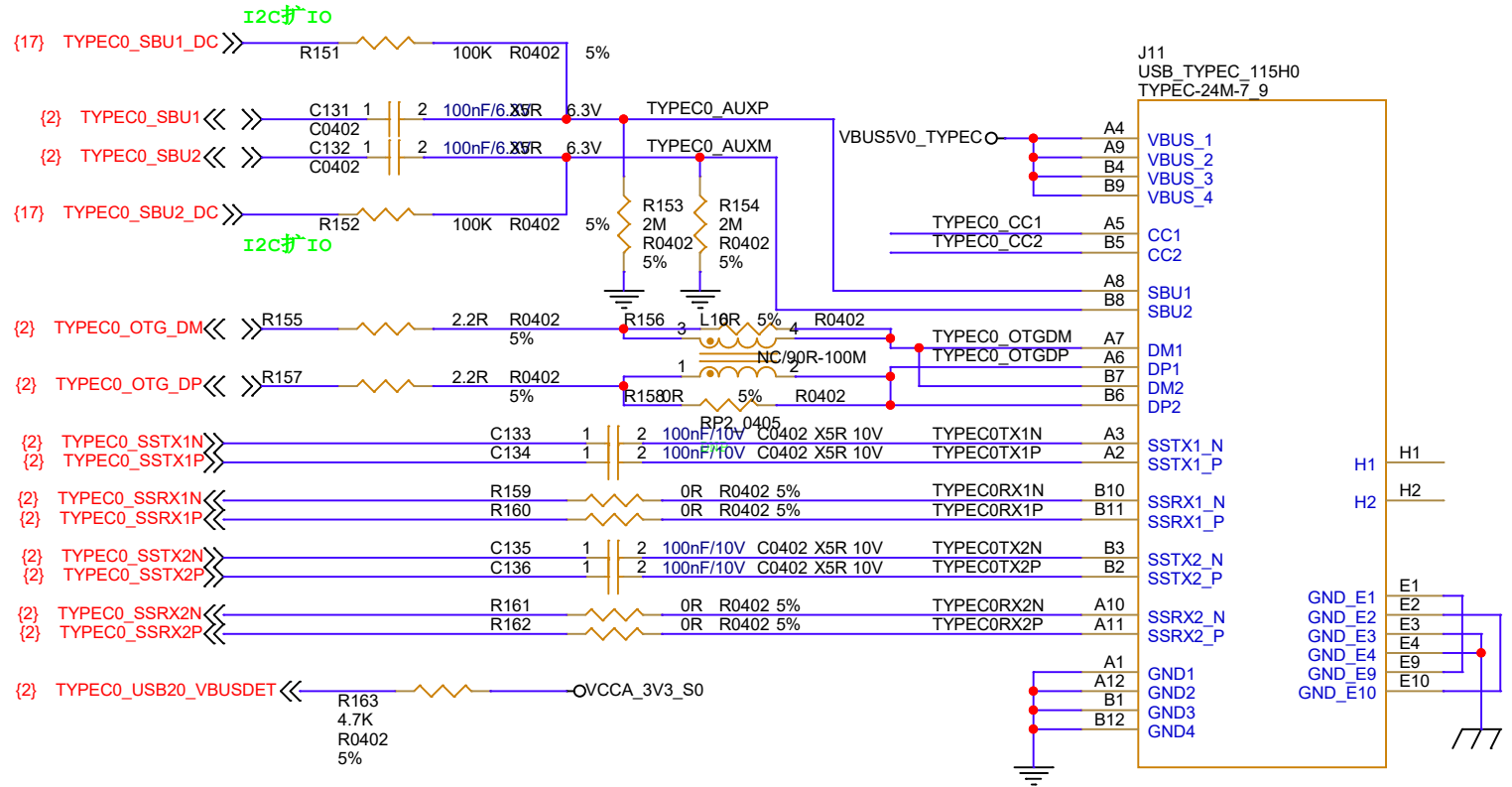
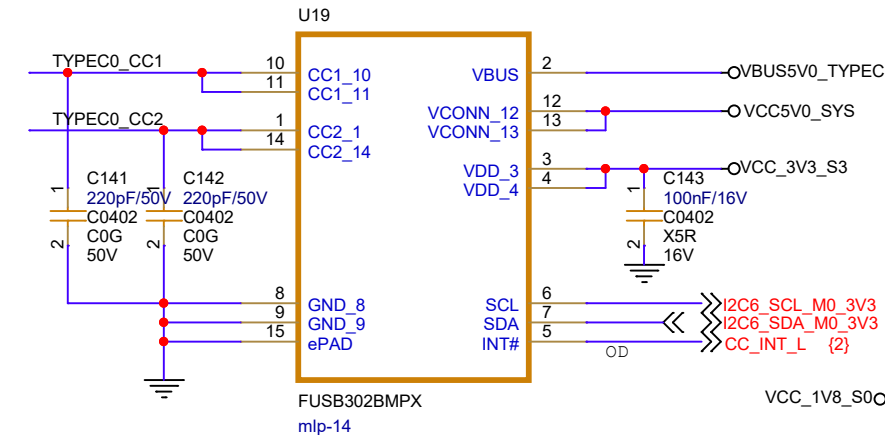
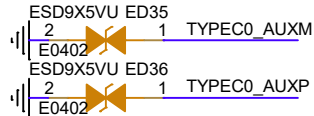
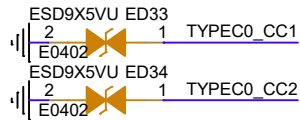
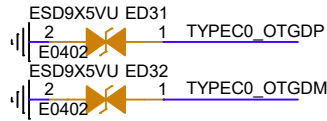
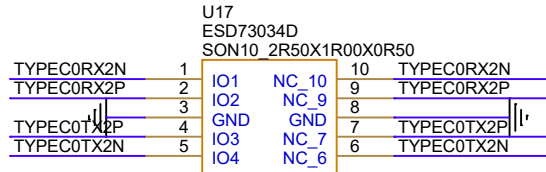
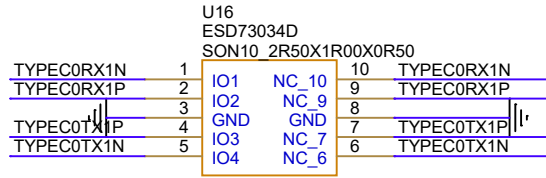
The controller only support AC coupled link in order to backward compatibility or to meet HDMI2.0 (1.4b) DC common mode spec and Voff, need to R based level-shift.

Switch on in HDMI2.0(TMDS) mode
Switch off in HDMI2.1(FRL) mode.

Rds=1.7ohm/2.6V
Coss=7.33pf

 $C_j \leq 0.2 \text{ pF}$ 

Type-C PORT



Title: Type-C Port

File: Graphite digestion instrument

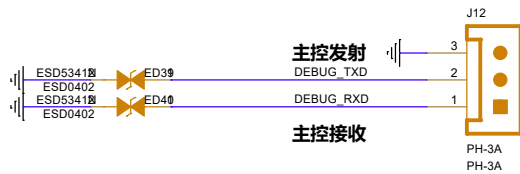
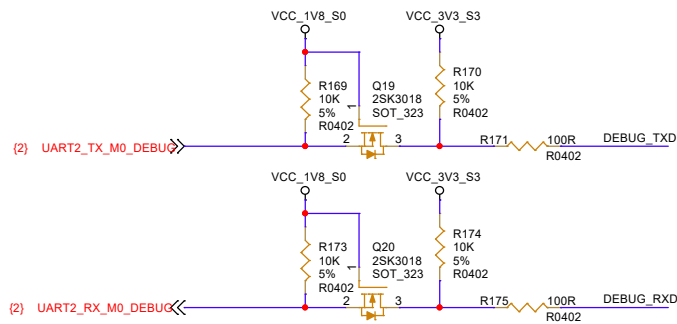
REV: v1

Create Date: Thursday, April 06, 2023

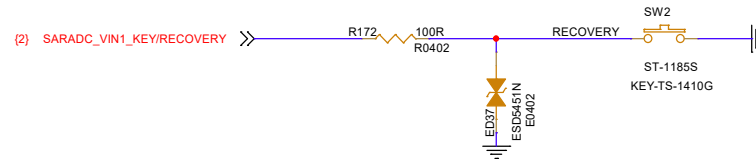
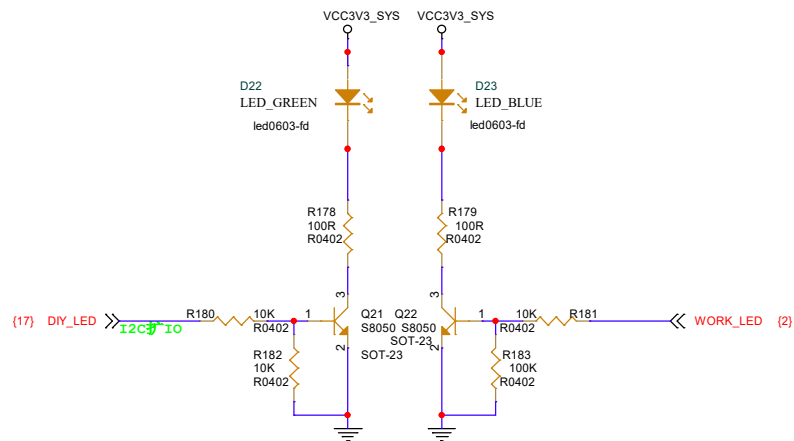
Page Num: 11

Modify Date:

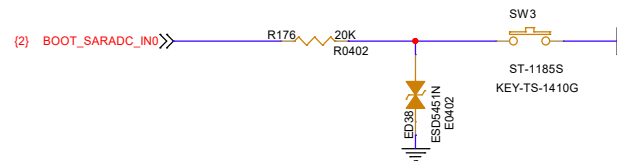
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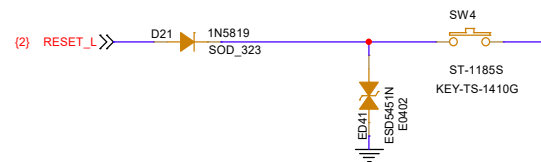
LED



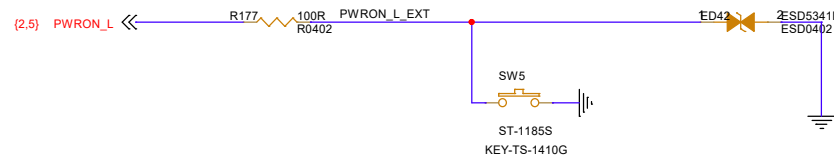
RECOVERY_KEY



BOOT



RESET_KEY

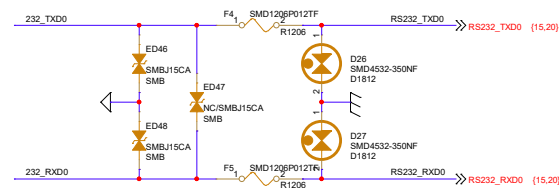
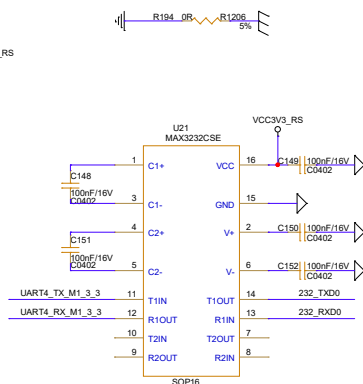
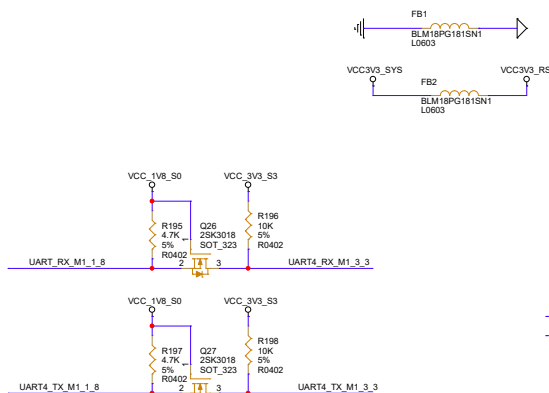
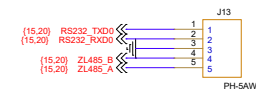
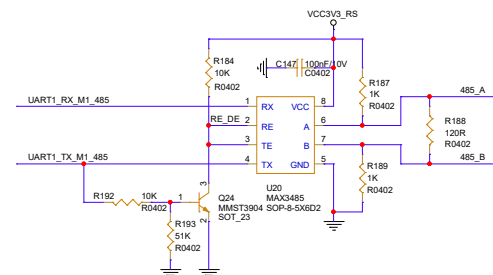
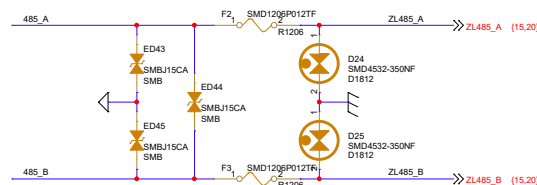
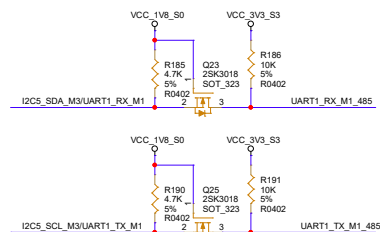


POWER

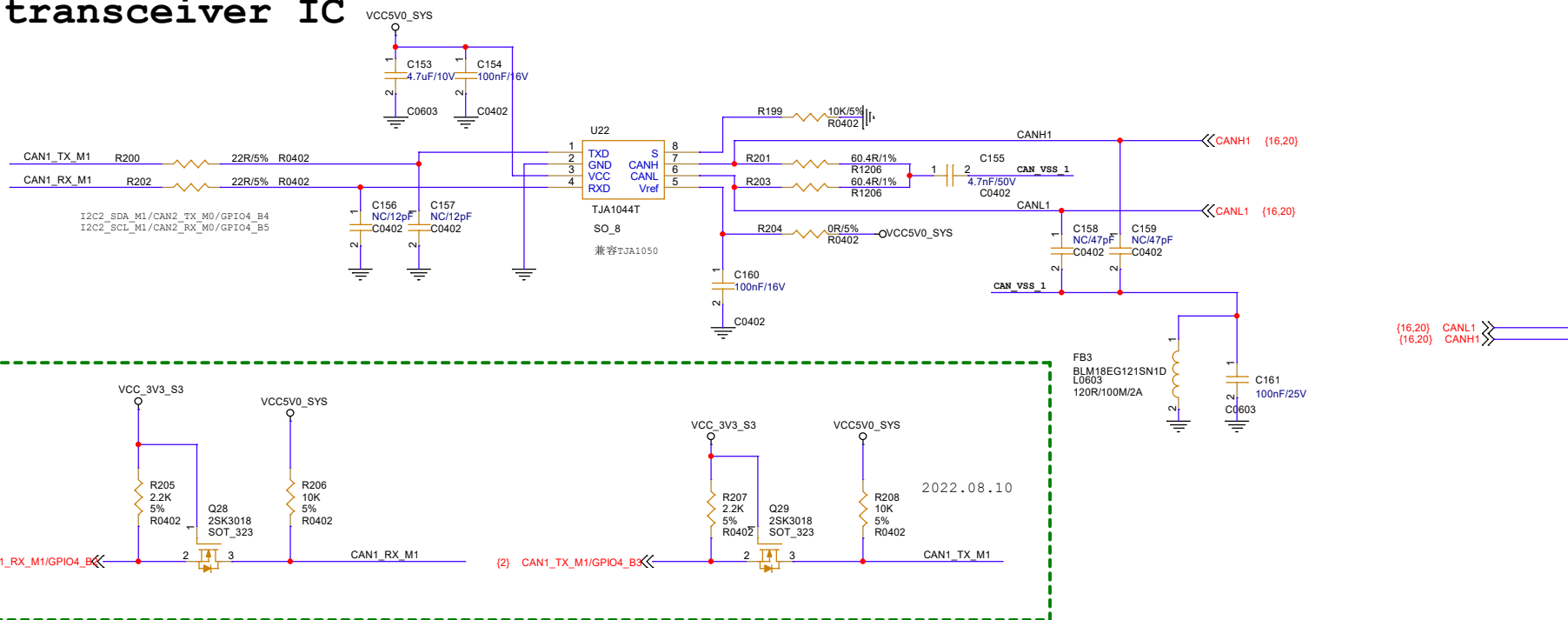


Title: KEY/LED/DEBUG	
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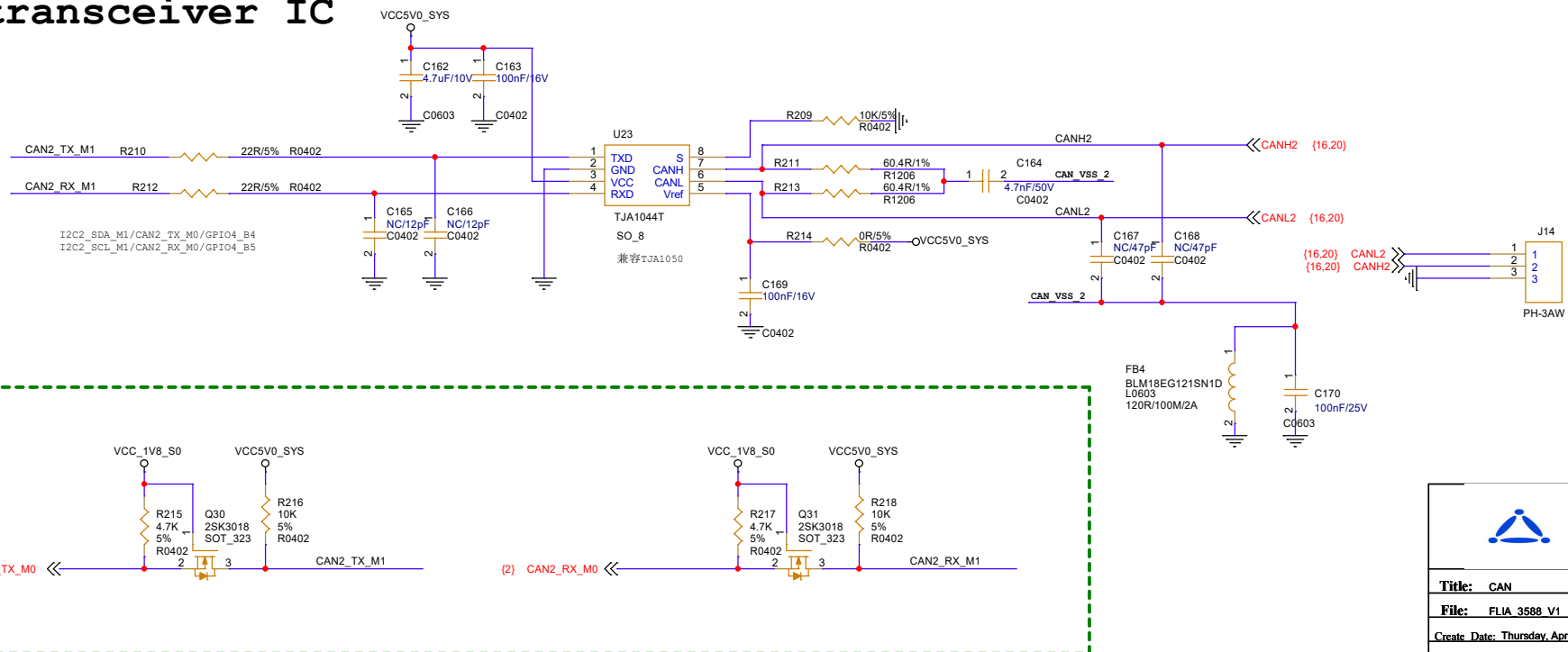
(2) I2C5_SCL_M3UART1_TX_M1
(2) I2C5_SDA_M3UART1_RX_M1
(2) UART_RX_M1_1_8
(2) UART_TX_M1_1_8



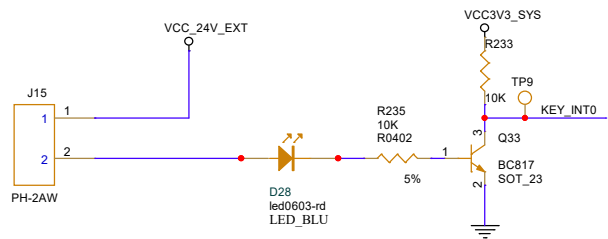
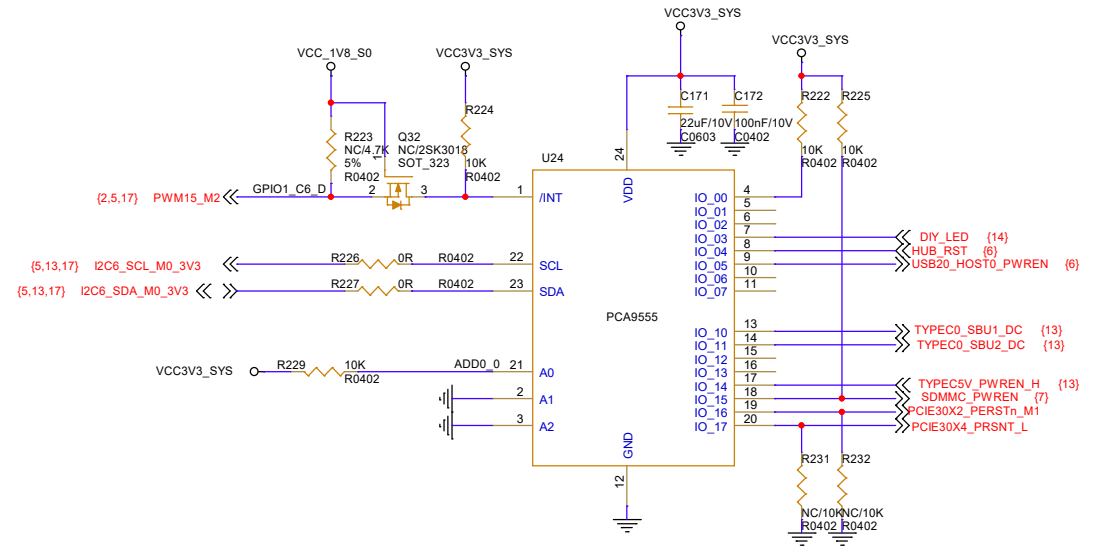
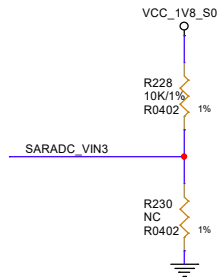
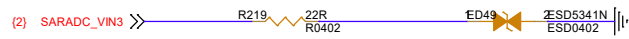
CAN transceiver IC



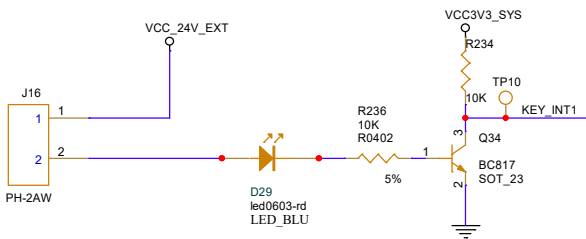
CAN transceiver IC



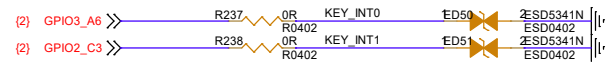
Title: CAN	
File: FLIA 3588 V1	REV: v1
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开机按键

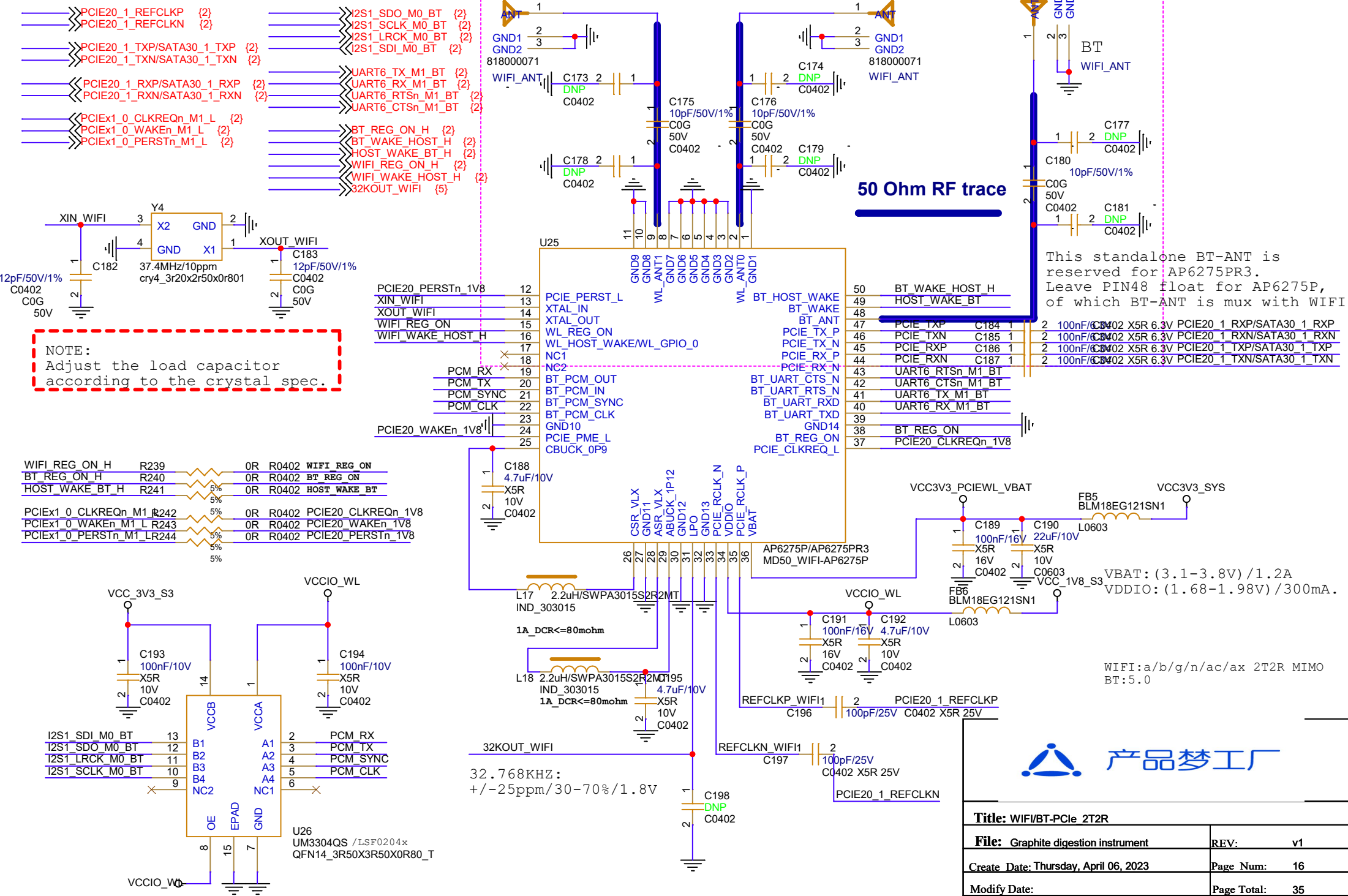


急停

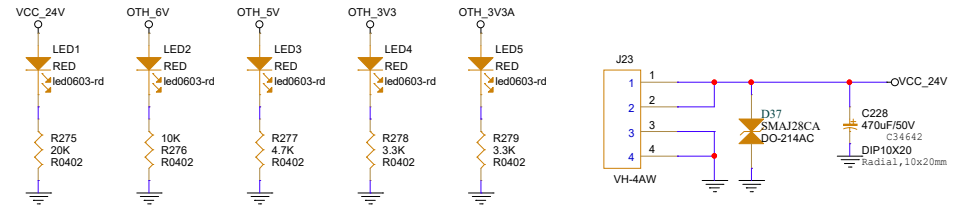
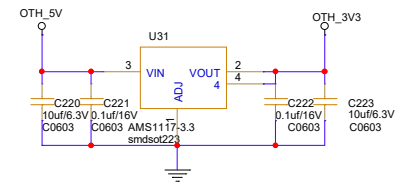
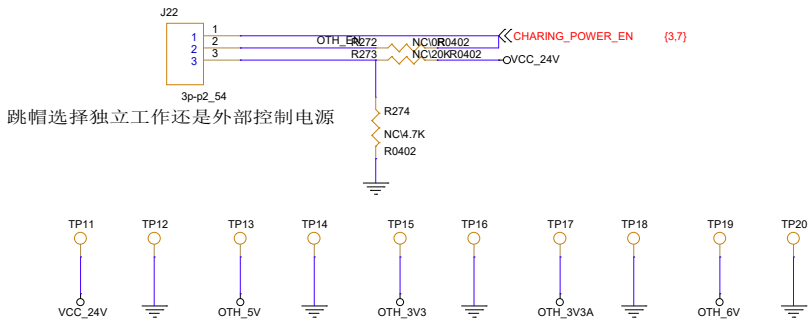
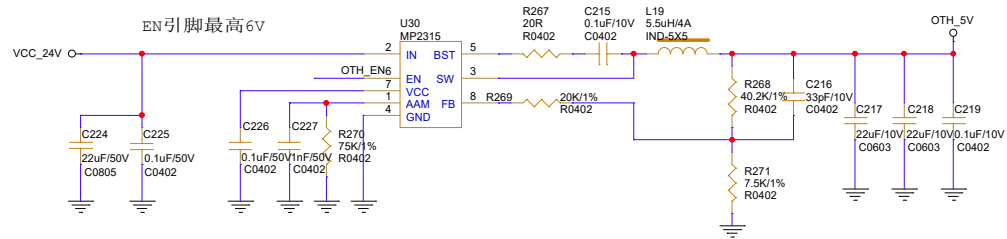


Title: Extension Interface	
File: Graphite digestion instrument	REV: v1
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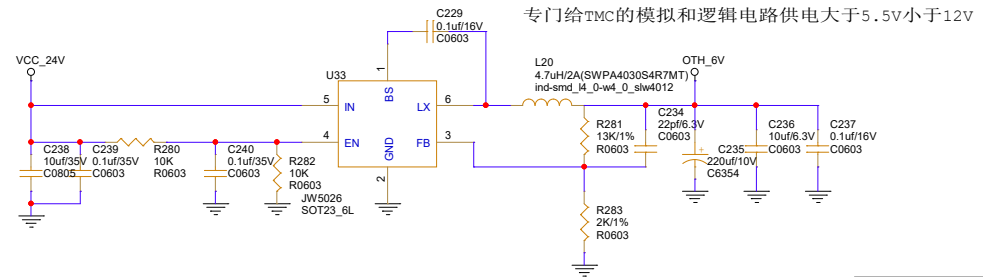
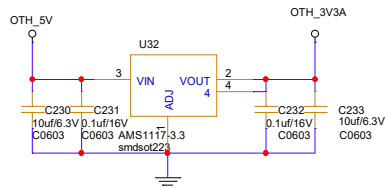
PCIE WIFI6/BT Module-2T2R



Title: WIFI/BT-PCIe 2T2R	
File: Graphite digestion instrument	REV: v1
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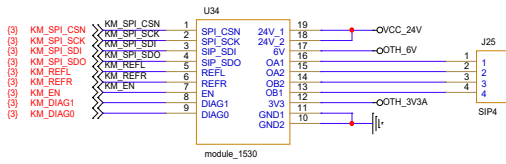
电机部分参考电压



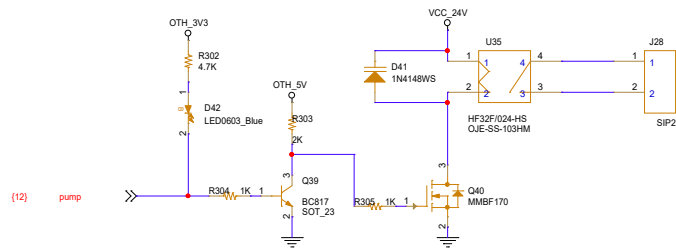
专门给TMC的模拟和逻辑电路供电大于5.5v小于12v



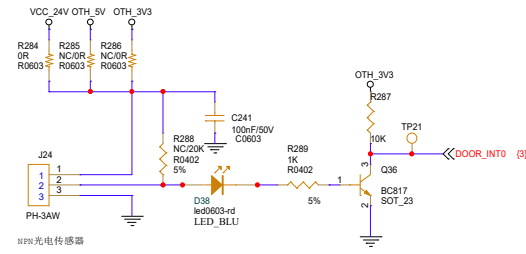
Title: OTHER POWER	
File: Graphite digestion instrument	REV: v1
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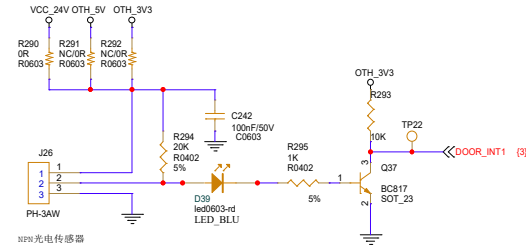
开环驱动



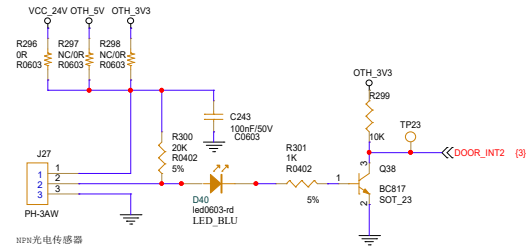
清洗泵控制



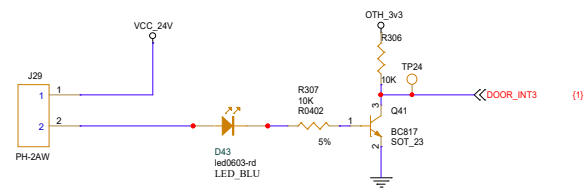
关门霍尔/光电
0位光电



限位光电/霍尔



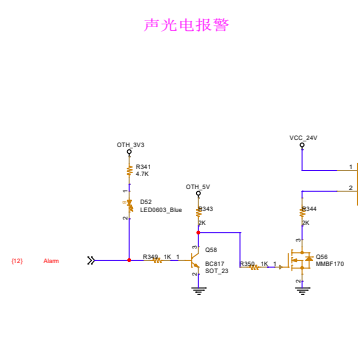
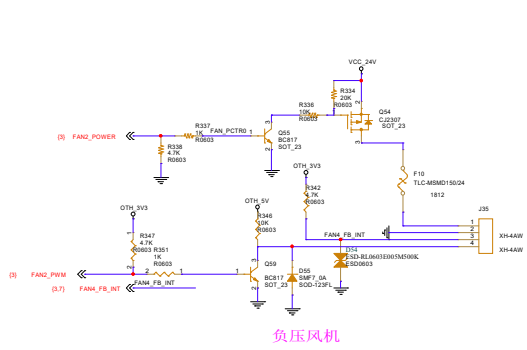
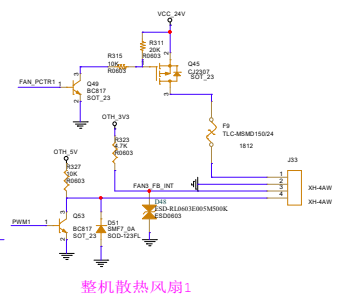
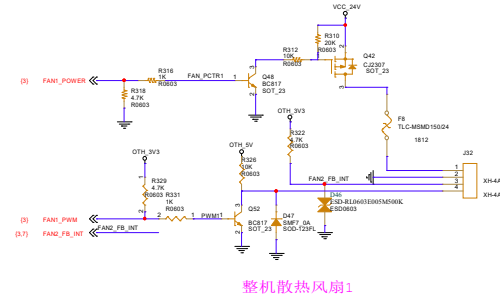
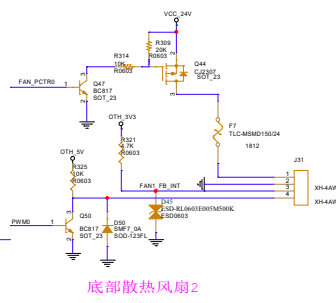
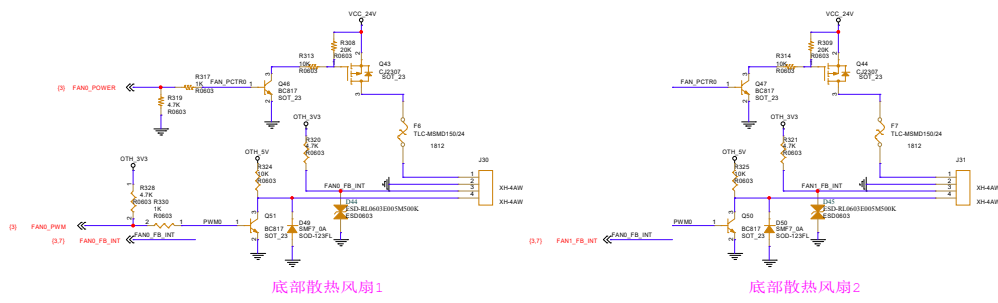
预留限位光电/霍尔



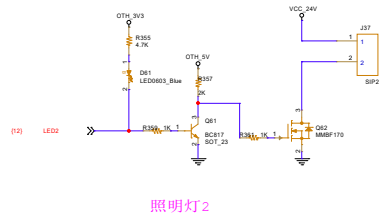
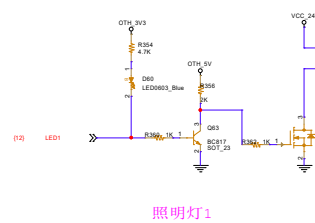
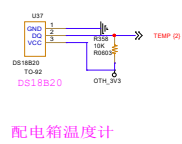
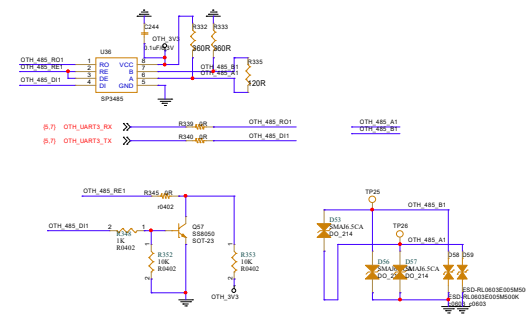
开门按键

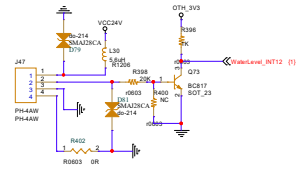
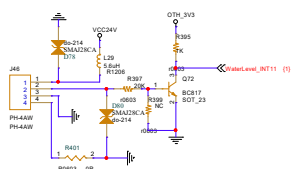
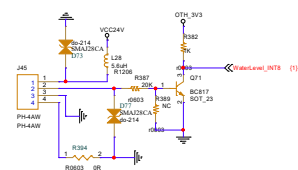
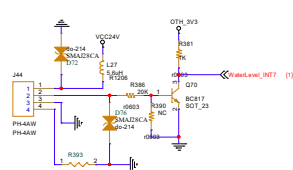
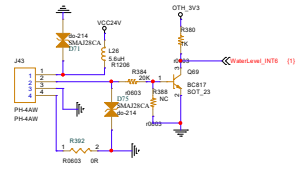
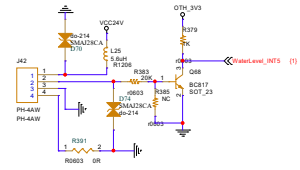
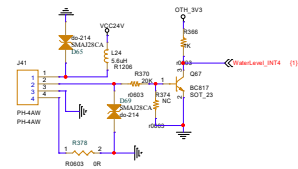
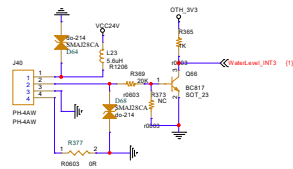
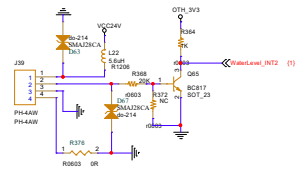
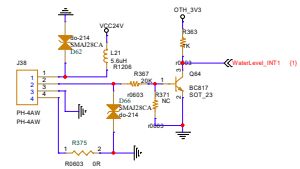


Title: OTHER MOTO	
File: Graphite digestion instrument	REV: v1
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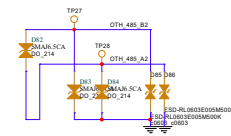
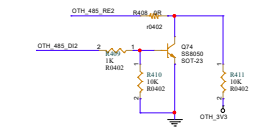
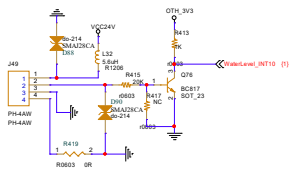
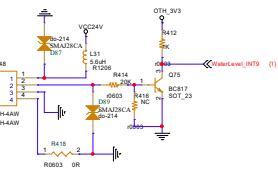
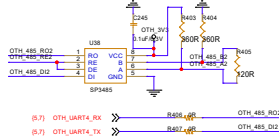


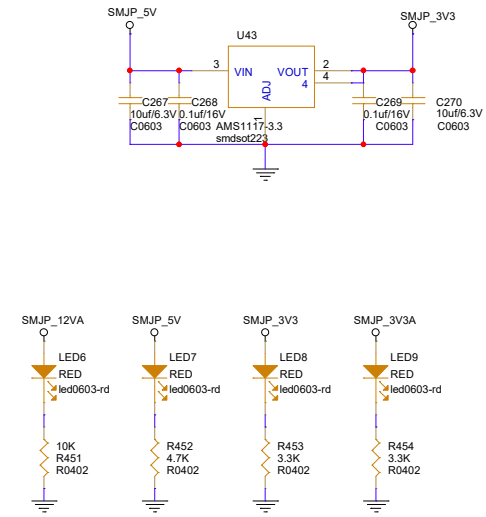
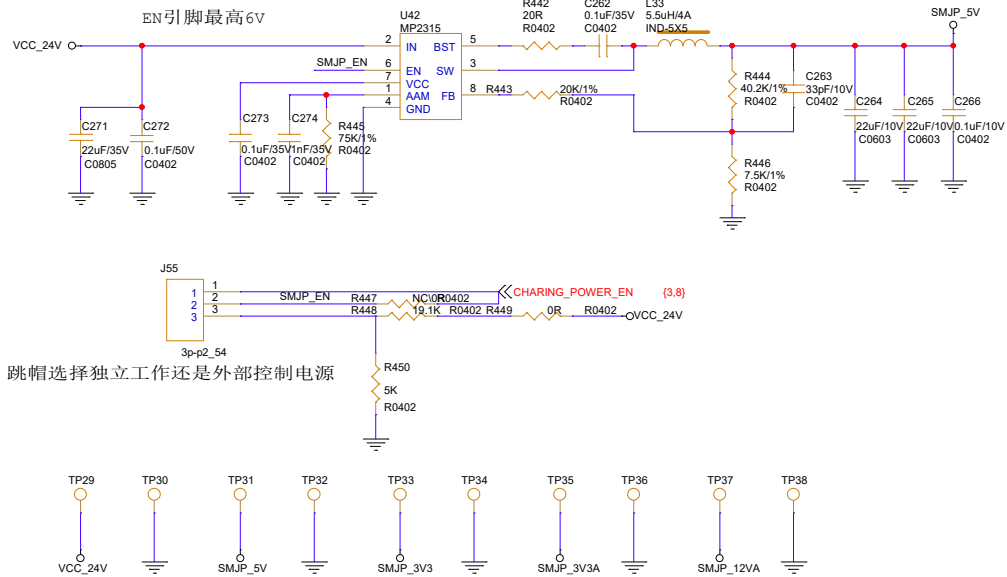
冷凝模块



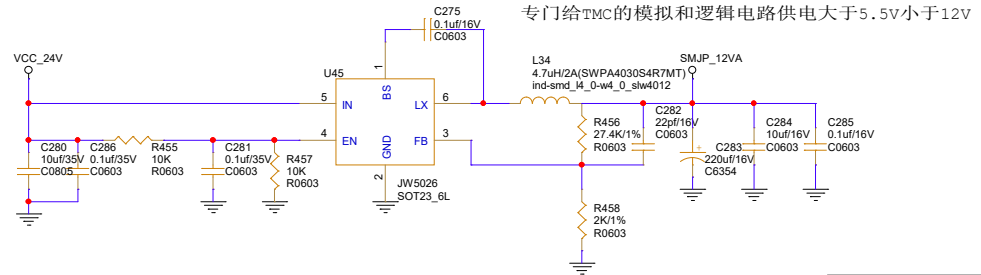
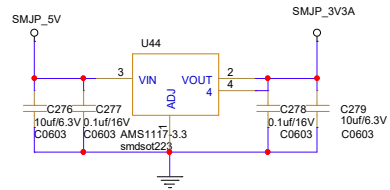


PH计



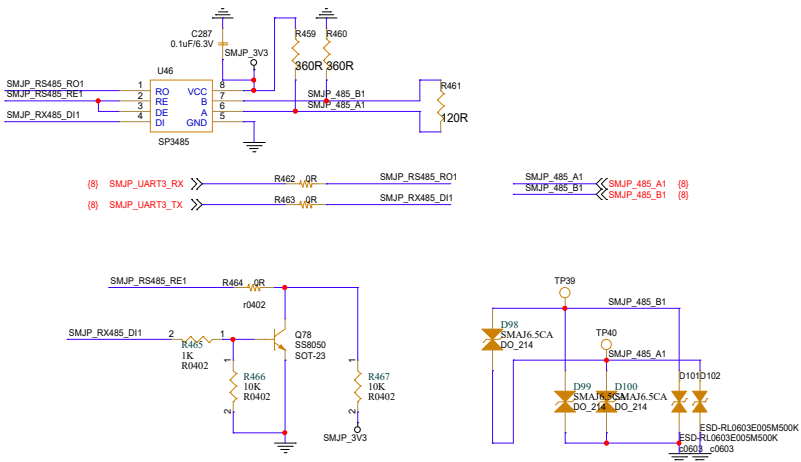


电机部分参考电压

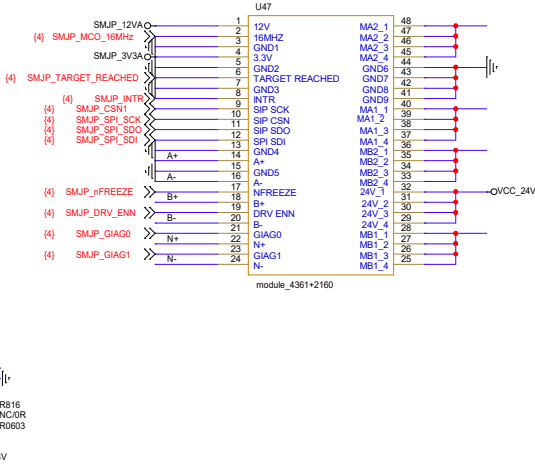


Title: SMJP POWER	
File: Graphite digestion instrument	REV: v1
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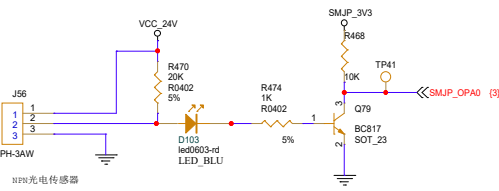
舵机



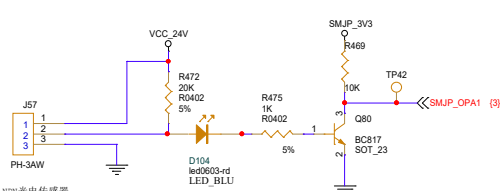
转盘电机



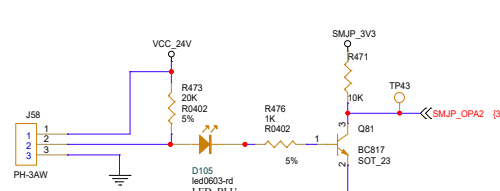
旋转原点光电

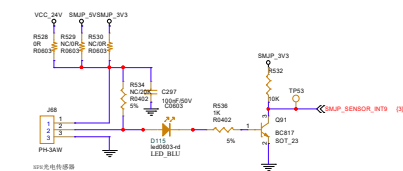
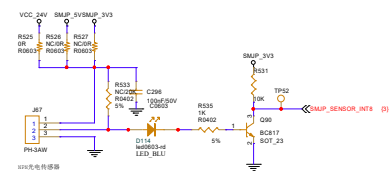
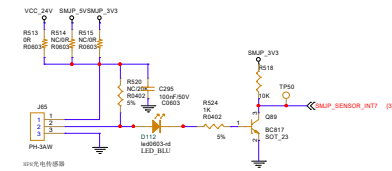
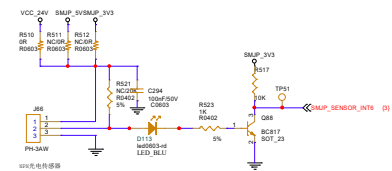
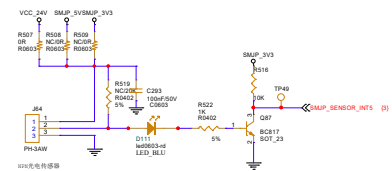
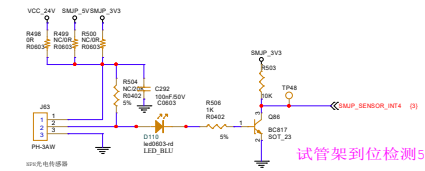
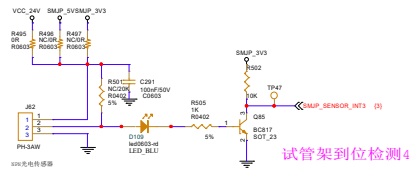
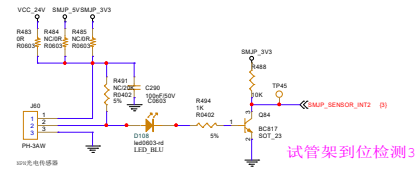
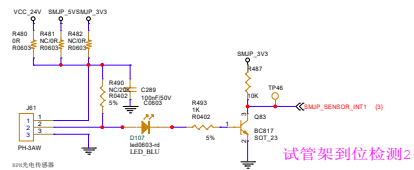
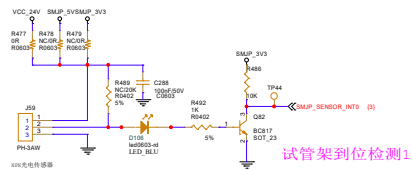


码盘光电（预留）

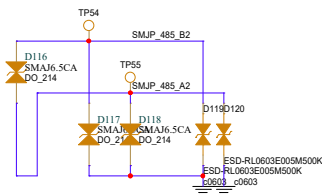
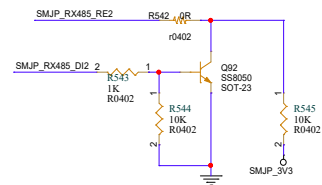
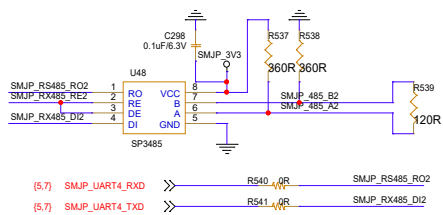


预留光电

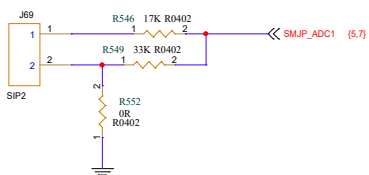




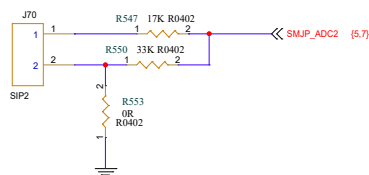
5路电磁加热控制



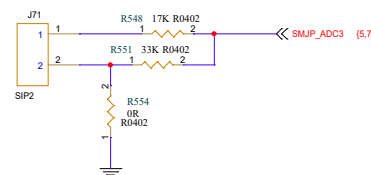
温度监测1



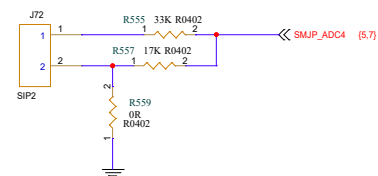
温度监测2



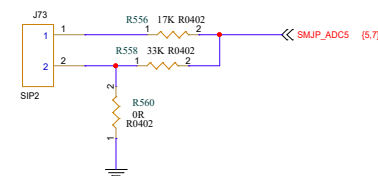
温度监测3



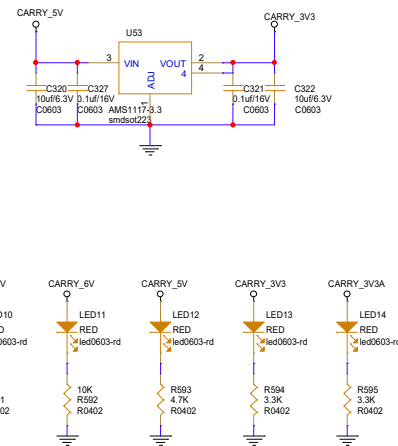
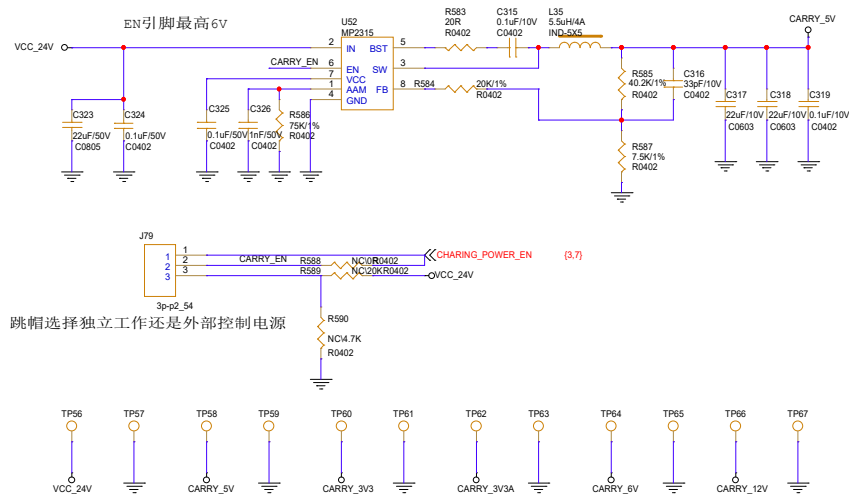
温度监测4



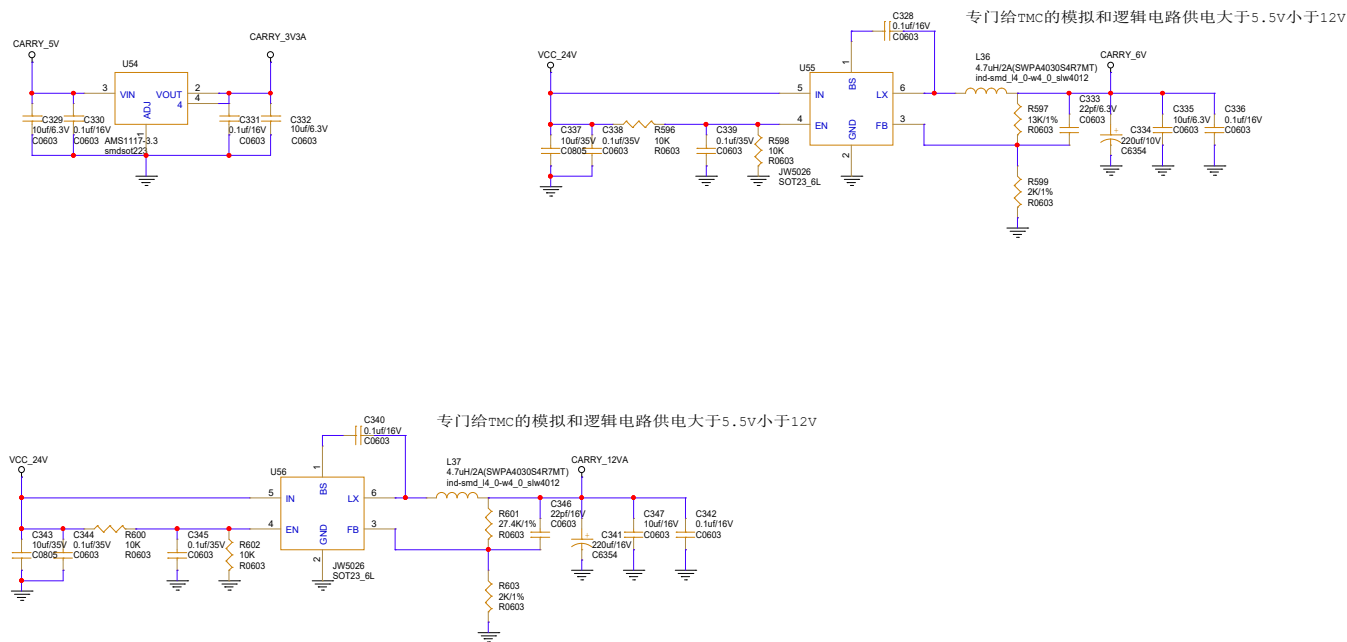
温度监测5



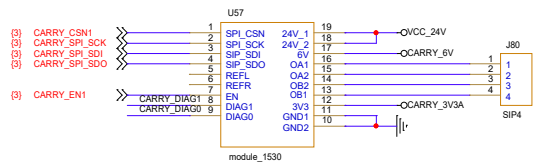
Title: SMJP TEMPERATURE	
File: Graphite digestion instrument	REV: v1
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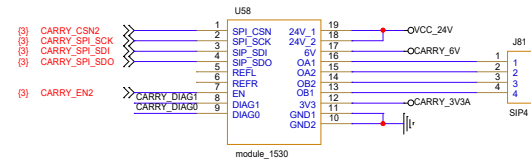
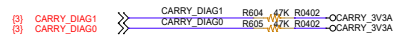
电机部分参考电压



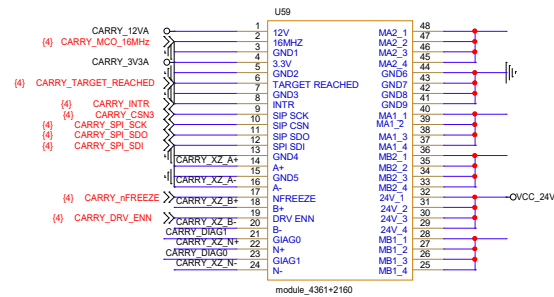
Title: CARRY POWER	
File: Graphite digestion instrument	REV: v1
Create Date: Thursday, April 06, 2023	Page Num: 28
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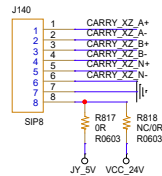
夹爪电机



升降电机

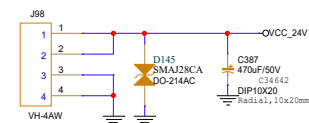
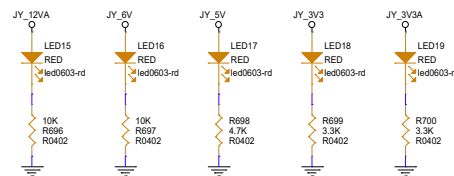
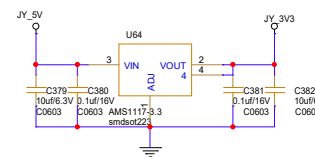
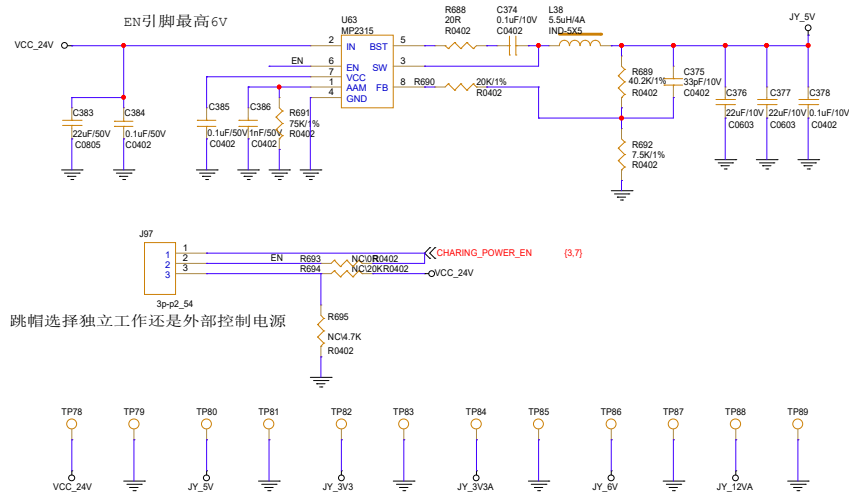


旋转电机

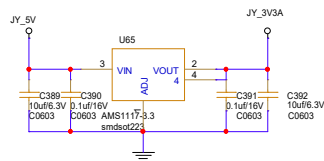


产品梦工厂

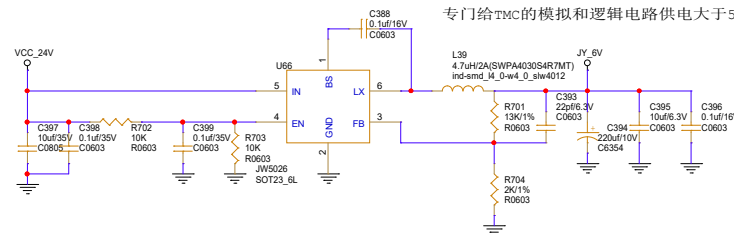
Title: CARRY MOTO	
File: Graphite digestion instrument	REV: v1
Create Date: Thursday, April 06, 2023	Page Num: 29
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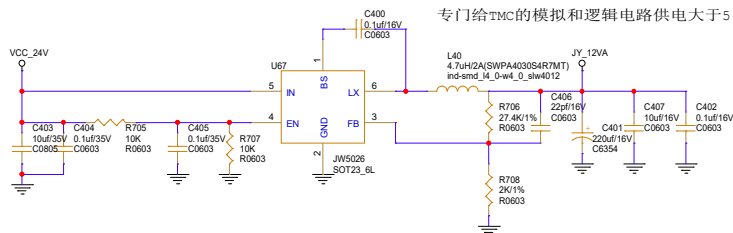
电机部分参考电压



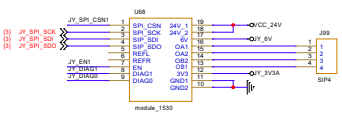
专门给TMC的模拟和逻辑电路供电大于5.5v小于12v



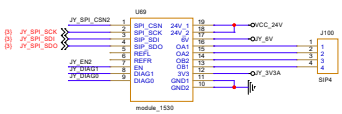
专门给TMC的模拟和逻辑电路供电大于5.5v小于12v



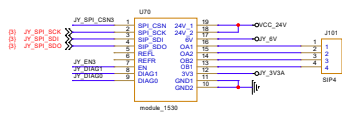
Title: JY POWER	
File: Graphite digestion instrument	REV: v1
Create Date: Thursday, April 06, 2023	Page Num: 32
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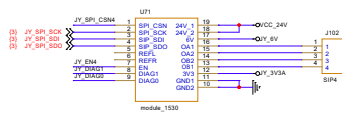
加液泵1



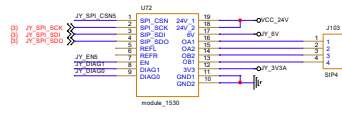
加液泵2



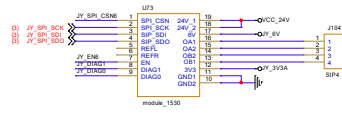
加液泵3



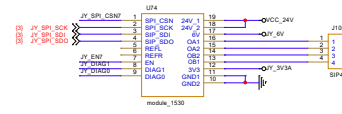
加液泵4



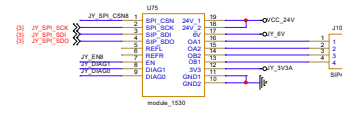
加液泵5



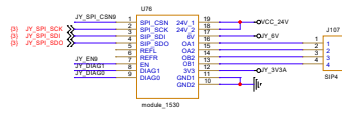
加液泵6



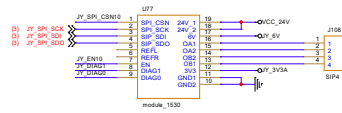
加液泵7



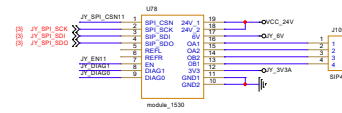
加液泵8



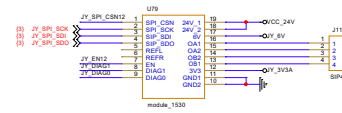
加液泵9



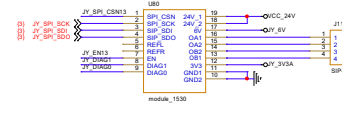
加液泵10



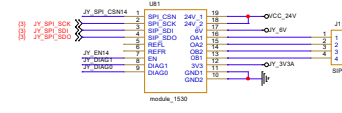
加液泵11



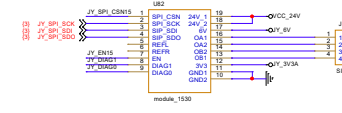
加液泵12



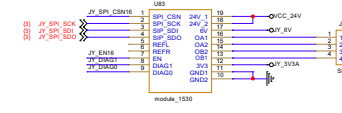
加液泵13



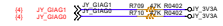
加液泵14



加液泵15



加液泵16



加液泵17

