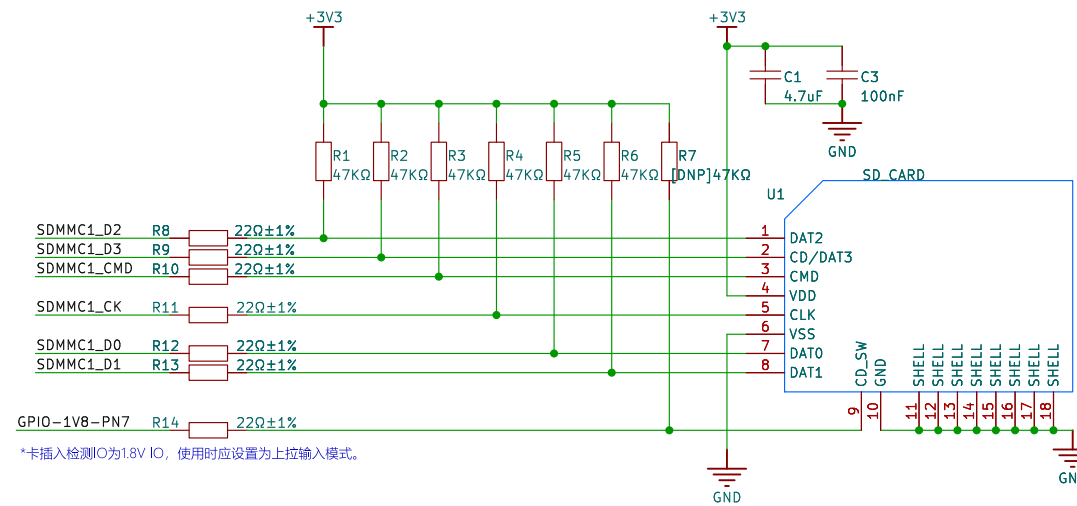


	1	2	3	4	5	6
A	<div>SD_CARD</div> <div>File: 1.kicad_sch</div>	<div>POWER</div> <div>File: 2.kicad_sch</div>	<div>RPI_CONNECTOR</div> <div>File: 3.kicad_sch</div>	<div>BTB_ARTPI2_H7R7</div> <div>File: 4.kicad_sch</div>	<div>LCD_CONNECTOR</div> <div>File: 5.kicad_sch</div>	<div>WIFI_STLINK</div> <div>File: 6.kicad_sch</div>
B						
C						
D					<div>RT-Thread Team</div> <div>Sheet: / File: H7R_basic.kicad_sch</div> <div>Title: ART-Pi 2 Base A 扩展板</div> <div>Size: A4Date: 2025-02-22KiCad E.D.A. 9.0.0</div> <div>Rev: V1.0_previewId: 1/7</div>	
	1	2	3	4	5	6

SD_CARD



*卡插入检测IO为1.8V IO，使用时应设置为上拉输入模式。

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Sheet: /SD_CARD/

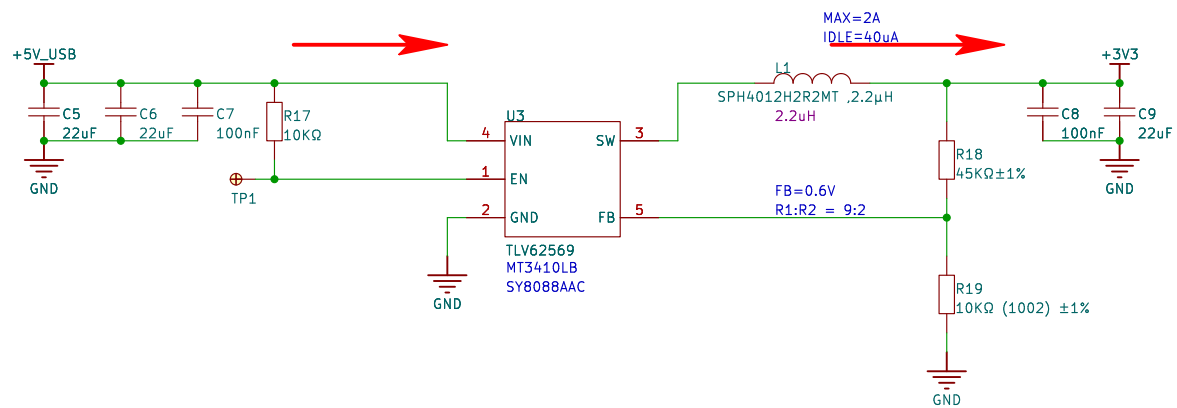
File: 1.kicad_sch

Title: SD_CARD

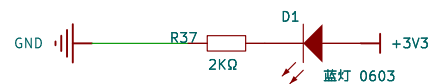
Date: 2025-02-22

Rev: V1.0_preview

Id: 2/7



LED_PWR



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Sheet: /POWER/
File: 2.kicad_sch

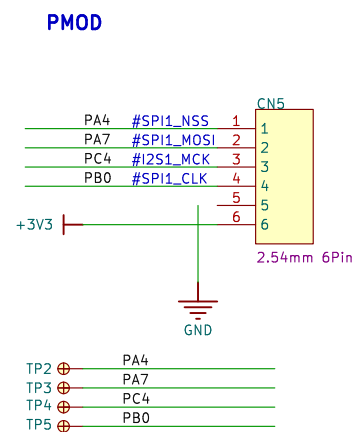
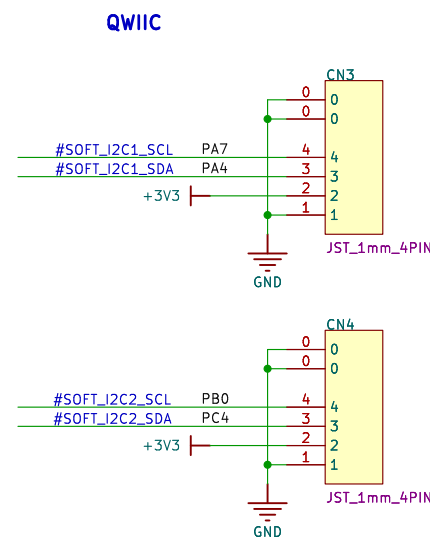
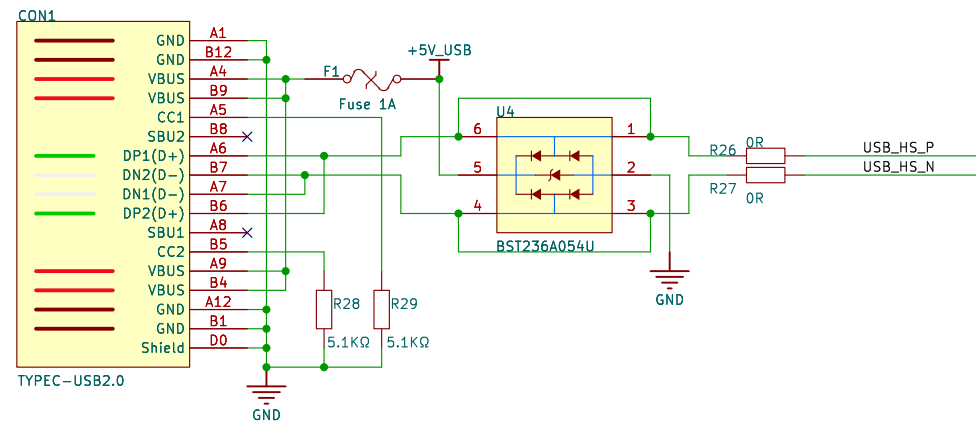
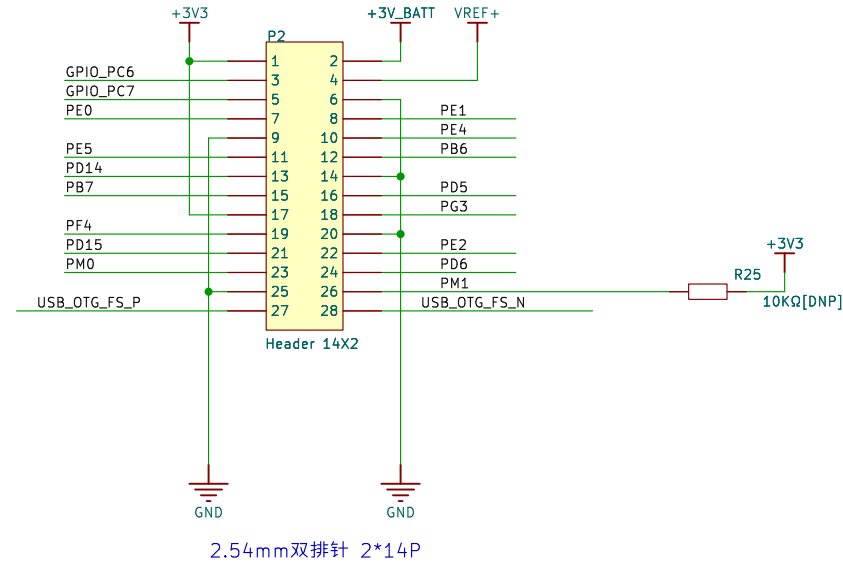
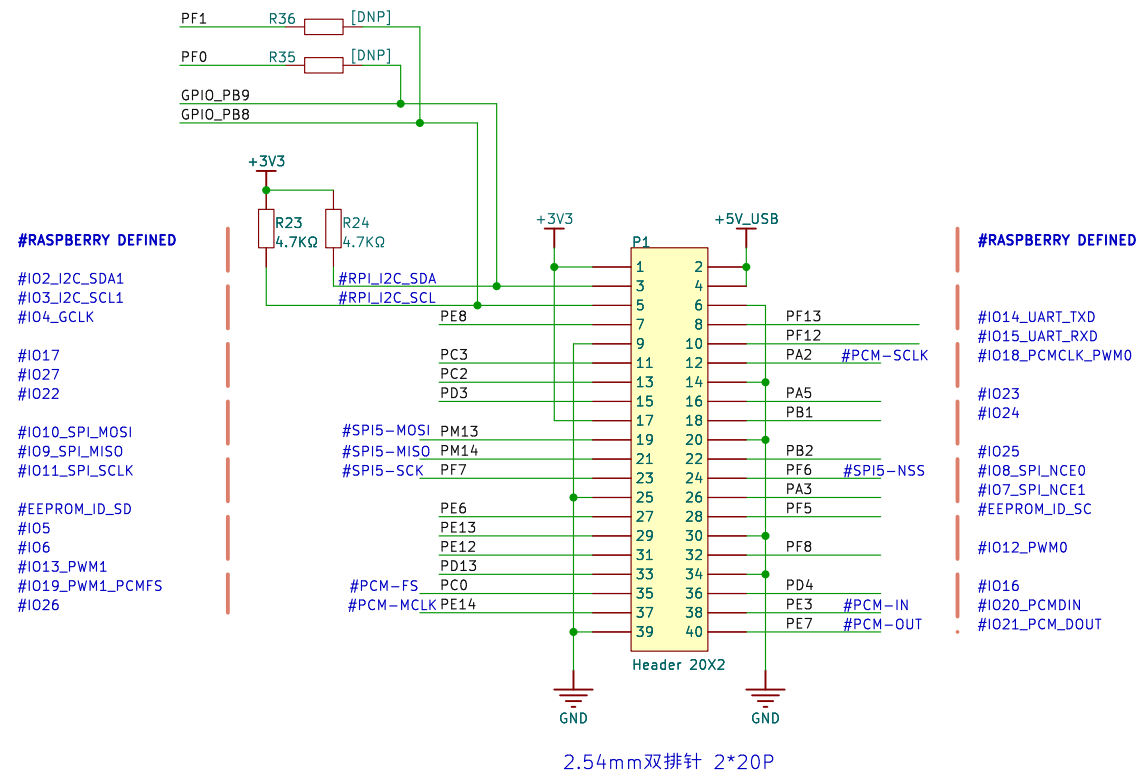
Title: POWER

Size: A4
KiCad E.D.A. 9.0.0

Date: 2025-02-22

Rev: V1.0_preview

Id: 3/7



*使用EMMC版本ARTPi2-H7R7核心板时，如果使用SDMMC8线模式，因PB8 PB9被解除焊接，要使用I2C，应当补焊R35 R36

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Sheet: /RPL_CONNECTOR/
File: 3.kicad_sch

Title: CONNECTOR

Size: A3 Date: 2025-02-22
KiCad E.D.A. 9.0.0

Rev: V1.0_preview
Id: 4/7

LCD-**RGB888**

LTDC_R7	LCD_R7
LTDC_R6	LCD_R6
LTDC_R5	LCD_R5
LTDC_R4	LCD_R4
LTDC_R3	LCD_R3
LTDC_R2	LCD_R2
LTDC_R1	LCD_R1
LTDC_R0	LCD_R0

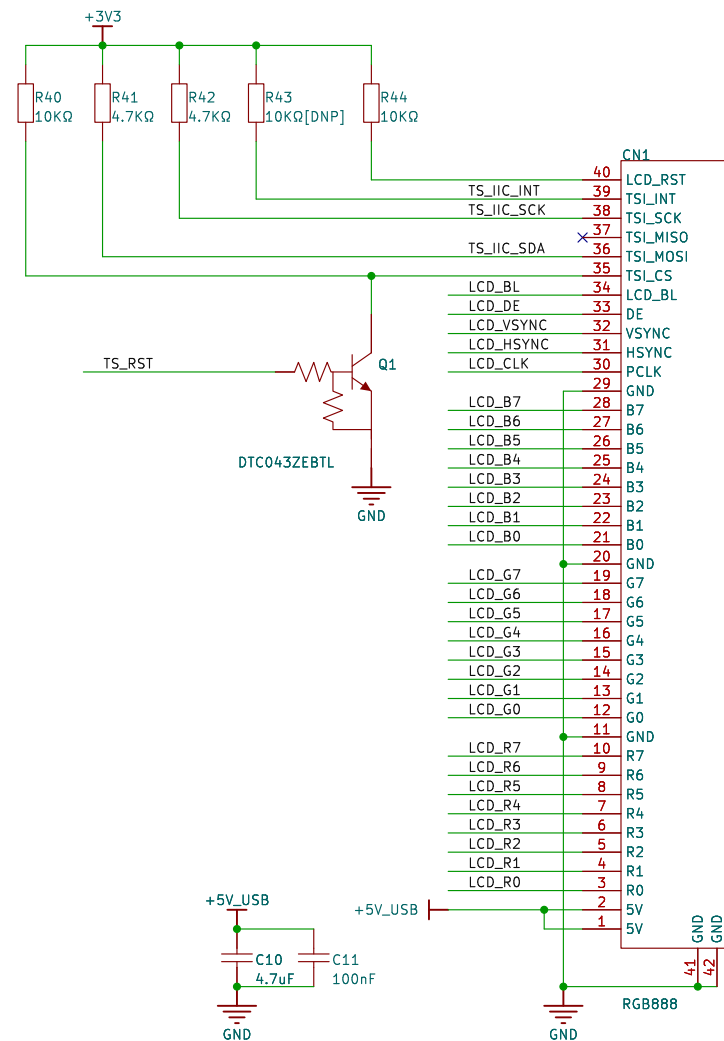
LTDC_G7	LCD_G7
LTDC_G6	LCD_G6
LTDC_G5	LCD_G5
LTDC_G4	LCD_G4
LTDC_G3	LCD_G3
LTDC_G2	LCD_G2
LTDC_G1	LCD_G1
LTDC_G0	LCD_G0

LTDC_B7	LCD_B7
LTDC_B6	LCD_B6
LTDC_B5	LCD_B5
LTDC_B4	LCD_B4
LTDC_B3	LCD_B3
LTDC_B2	LCD_B2
LTDC_B1	LCD_B1
LTDC_B0	LCD_B0

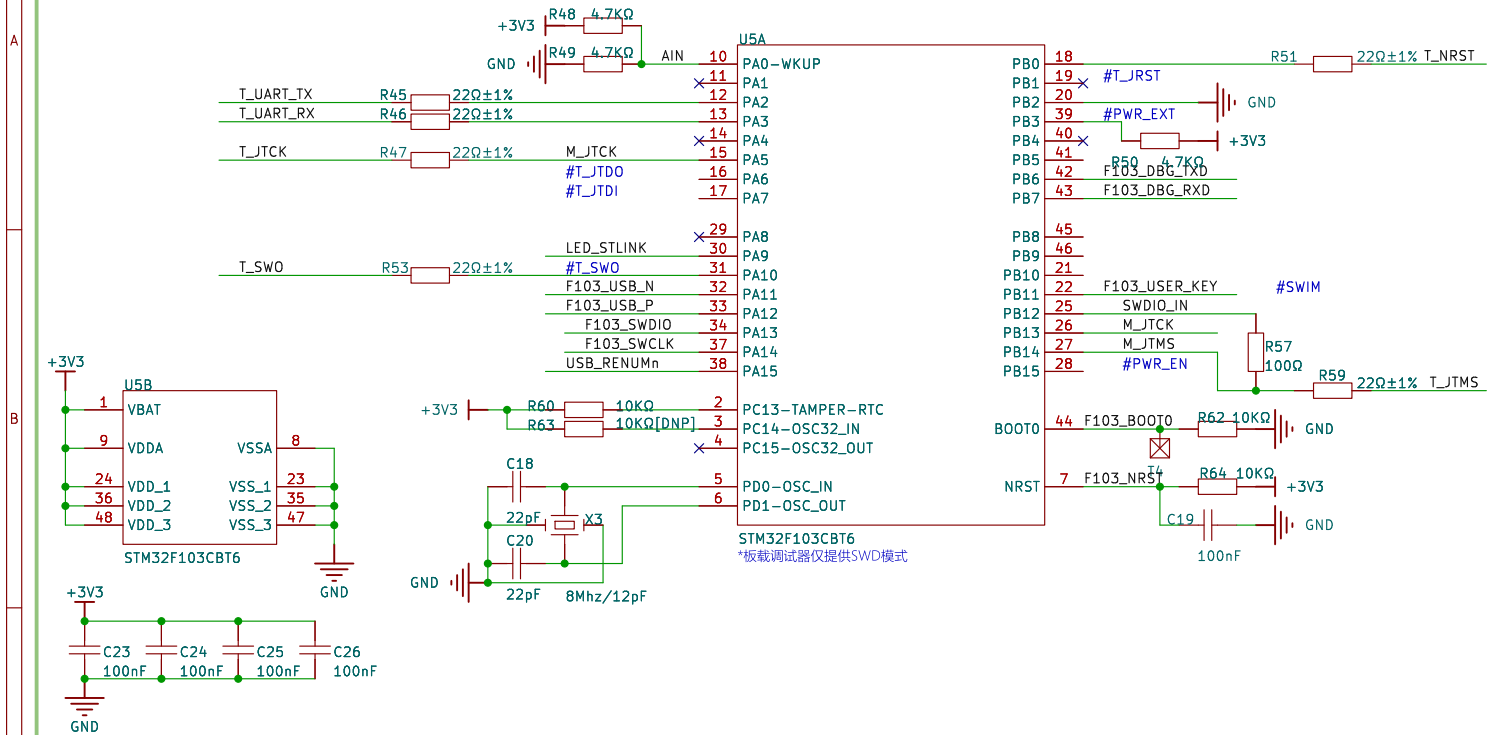
LTDC_VSYNC	LCD_VSYNC
LTDC_HSYNC	LCD_HSYNC
LTDC_CLK	LCD_CLK
LTDC_DE	LCD_DE

PG15 LCD_BL

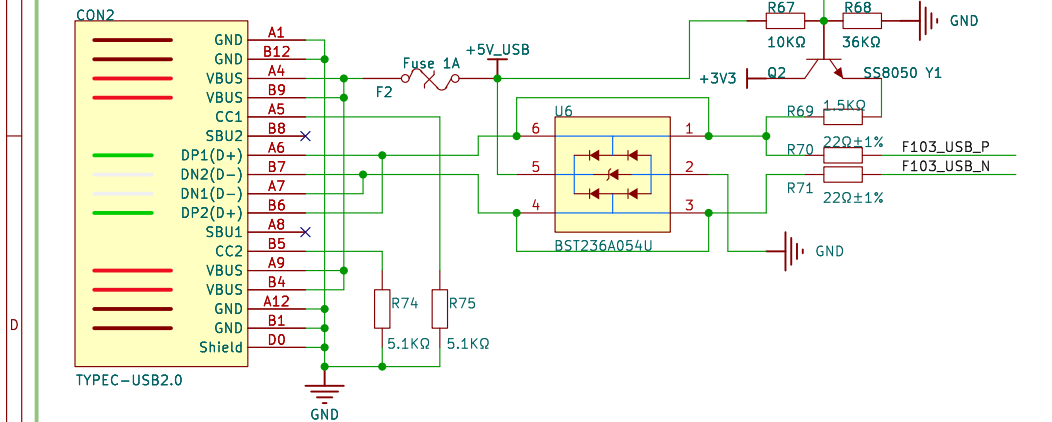
GPIO-1V8-PN12	TS_RST
PE15	TS_IIC_INT
PF0	TS_IIC_SDA
PF1	TS_IIC_SCK



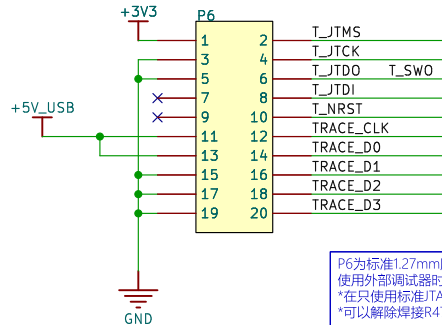
MCU_DEBUGGER_F103



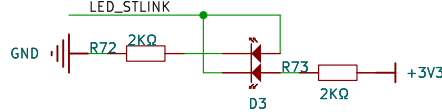
USB-DBG



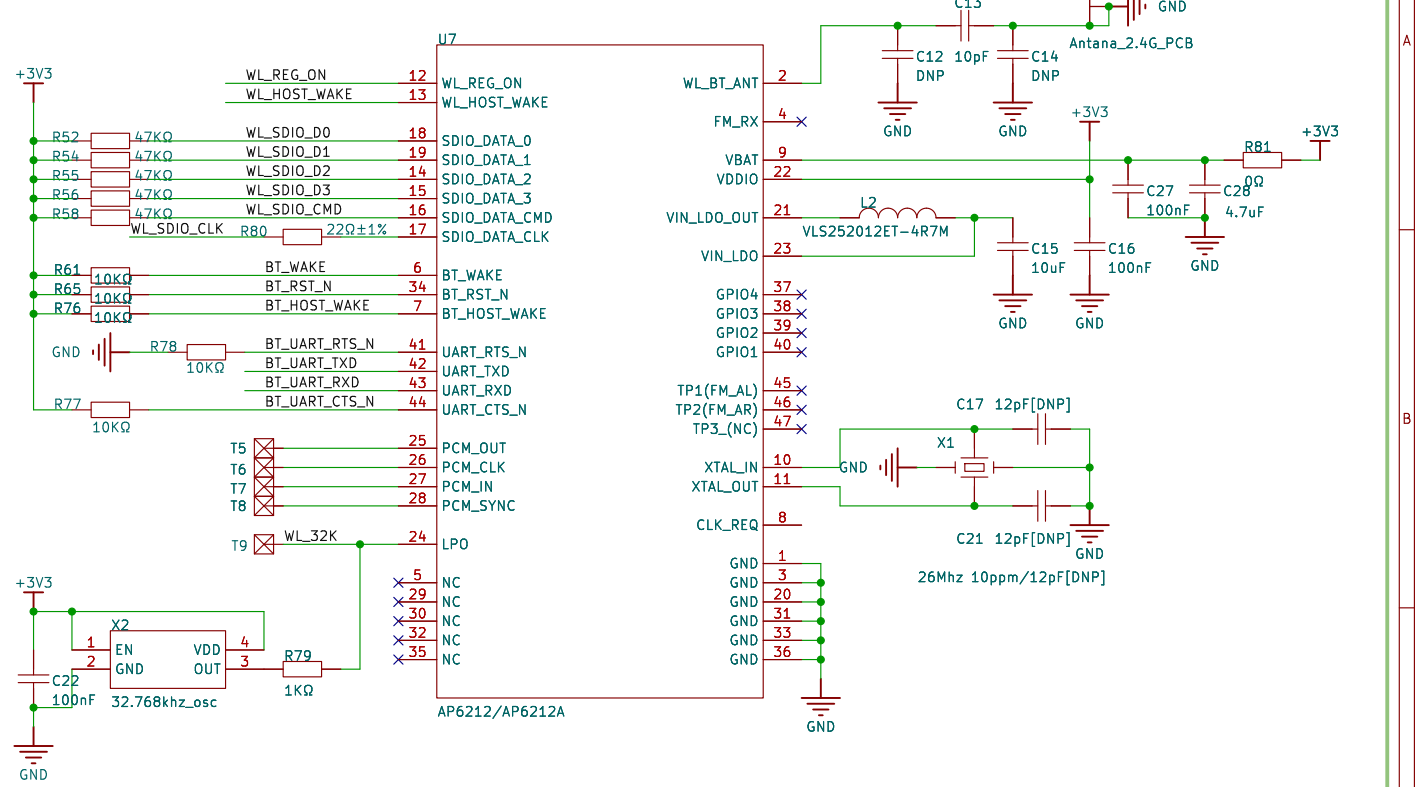
DEBUG PROBE



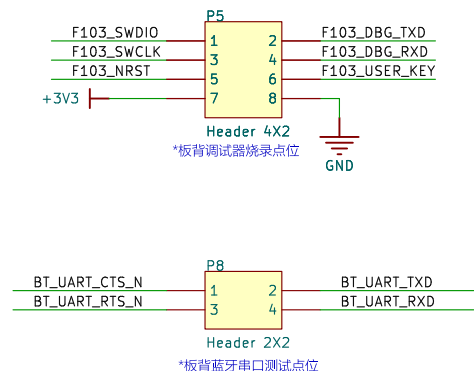
DEBUG_LED



WIFI&BT CYWL6208



DEBUG PogoPin



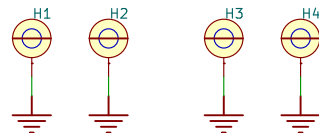
Target Debug Interface

UART4_RX	T_UART_RX
UART4_TX	T_UART_TX
SWDIO_JTMS	T_JTMS
SWDCK_JTDO	T_JTCK
JTDO	T_JTDO
JTDI	T_JTDI
NRST	T_NRST
PE2	TRACE_CLK
PE3	TRACE_D0
PE4	TRACE_D1
PE5	TRACE_D2
PE6	TRACE_D3

注意在使用外部JTAG或Trace调试时，需关注调试所占IO的复用情况

BlueTooth & WIFI

#PB14	SDMMC2_D0	WL_SDIO_D0
#PB15	SDMMC2_D1	WL_SDIO_D1
#PG11	SDMMC2_D2	WL_SDIO_D2
#PG12	SDMMC2_D3	WL_SDIO_D3
#PD7	SDMMC2_CMD	WL_SDIO_CMD
#PC1	SDMMC2_CK	WL_SDIO_CLK
PM2	WL_REG_ON	
PC5	WL_HOST_WAKE	
PF2	BT_WAKE	
PF3	BT_HOST_WAKE	
PM3	BT_RST_N	
TP16	#PE10	USART7_CTS
TP17	#PE9	USART7_RTS
TP18	#PMB	USART7_RXD
TP19	#PM9	USART7_TXD



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Sheet: /WIFI_STLINK/
File: 6.kicad_sch

Title: WIFI&STLINK

Size: A3
Date: 2025-02-22
KiCad E.D.A. 9.0.0

Rev: V1.0_preview
Id: 7/7