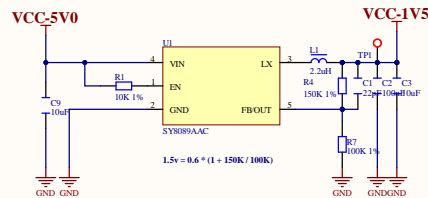


# Power Scheme

Sakura Pi RK3308B

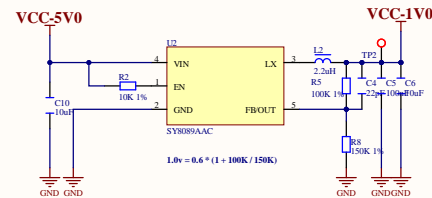
## SY8089A

DRAM 1.5v / 2A OUTPUT



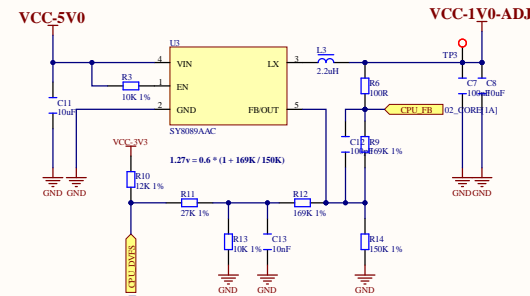
## SY8089A

CORE-LOGIC 1.0v / 2A OUTPUT



## SY8089A

CPU-CORE 1.0-1.35v / 2A OUTPUT

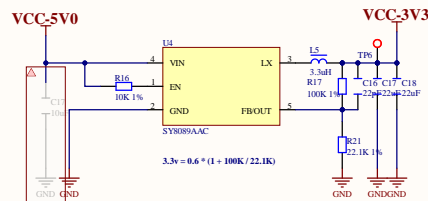


CPU\_DVFS

Using CPU PWM output for interfering with the feedback cause the output voltage can be kept in the range of 1.0v to 1.35v

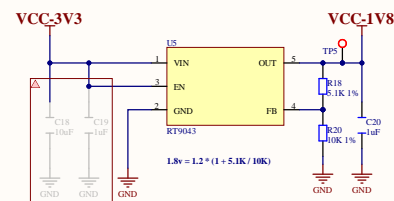
## SY8089A

3V3-IO 3.3v / 2A OUTPUT



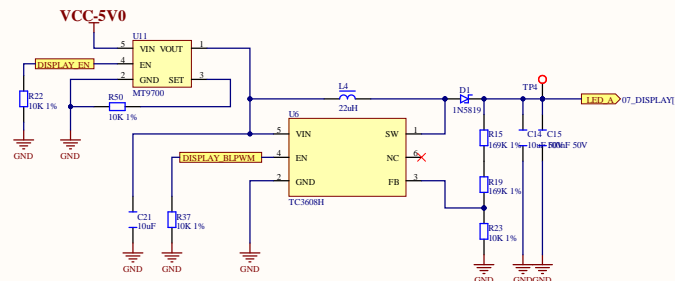
## TMI6030/RT9043

1V8-IO 1.8v / 300mA OUTPUT

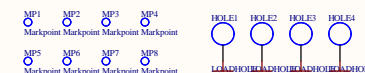
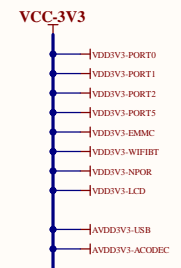
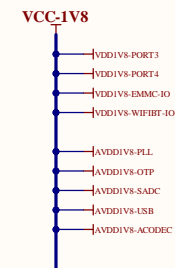
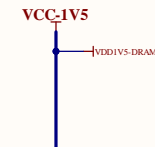
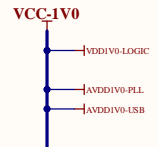
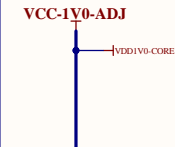
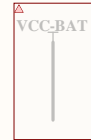


## TC3608H

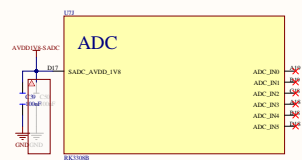
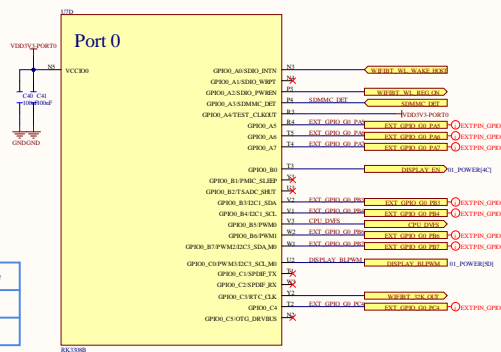
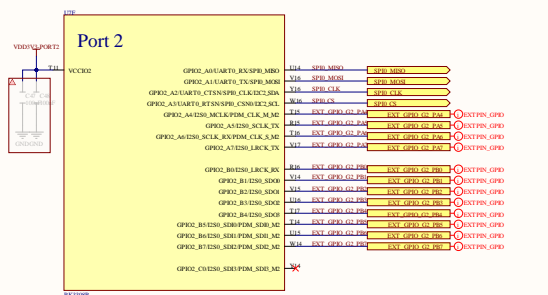
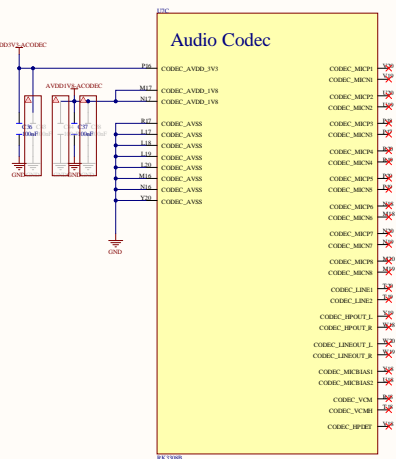
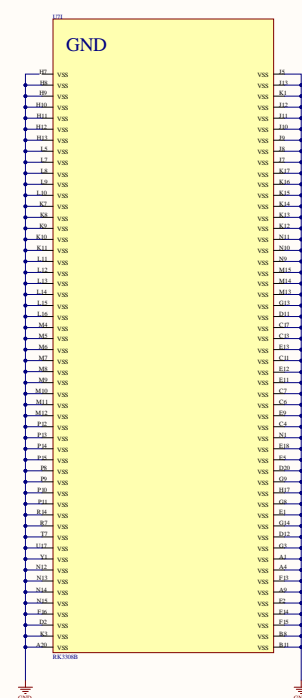
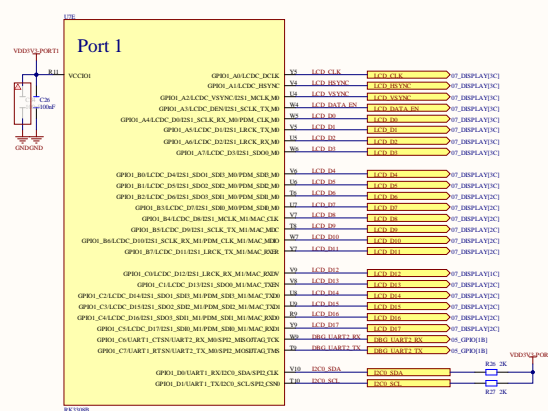
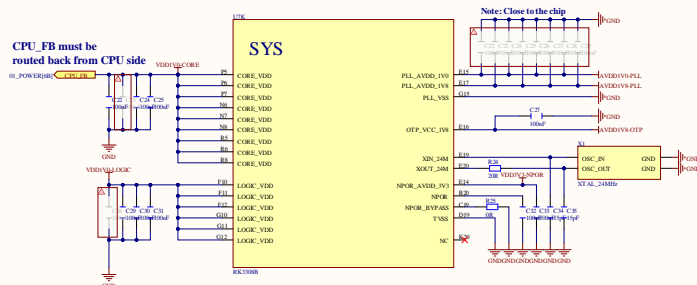
DISPLAY-BG 21v / 20mA OUTPUT



# Power Tree



Title		
Size	Number	Revision
A2		
Date	4/07/2025	Sheet of
File	Z:\00000000\01 POWER.SCHDoc	Drawn By:

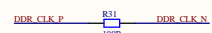
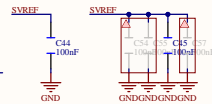
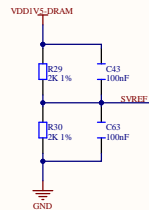
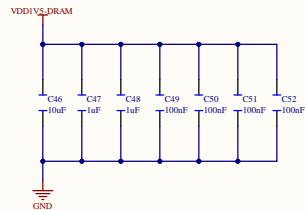
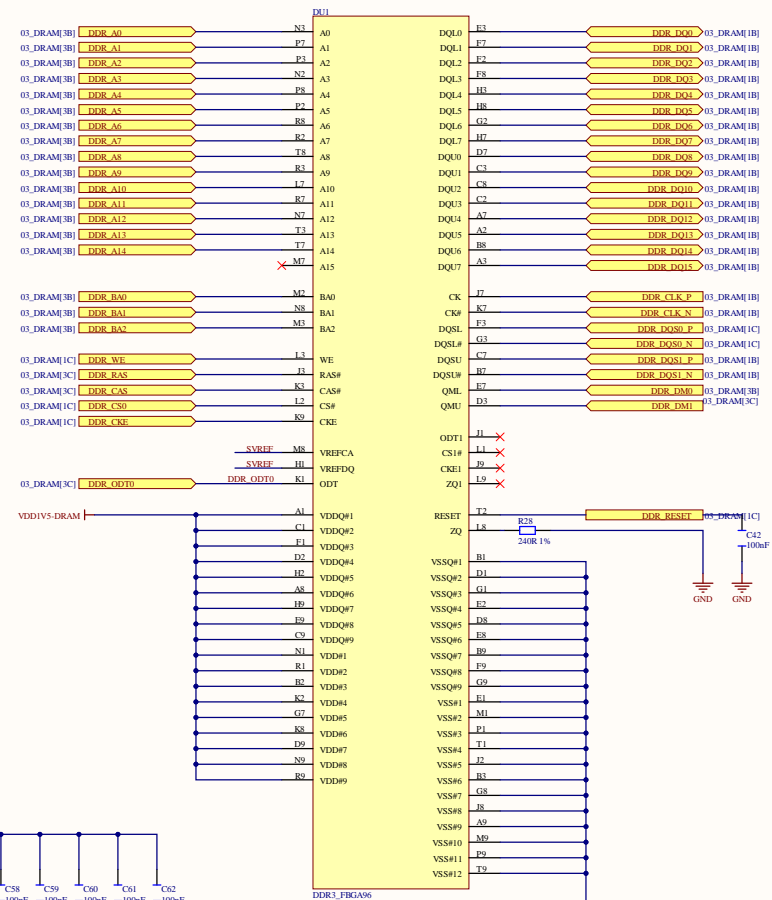
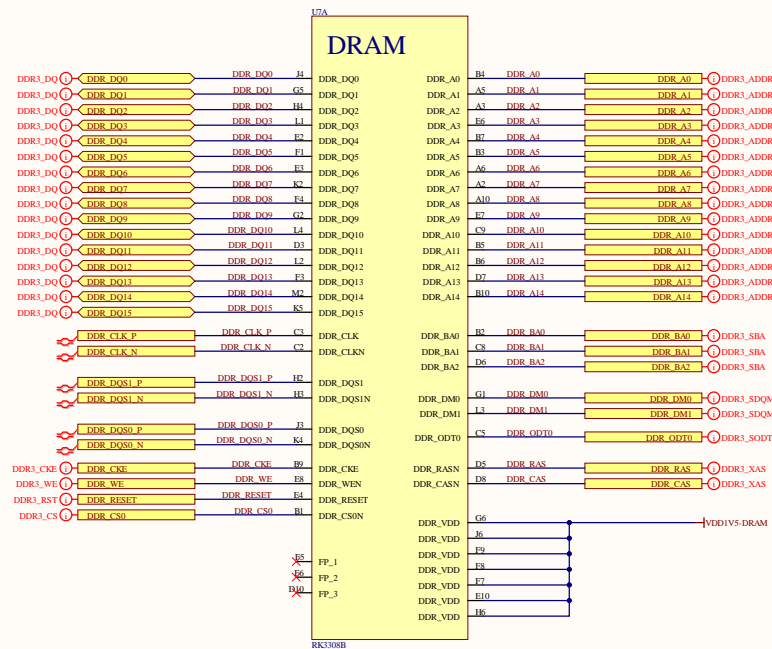
CPU Core  
Sakura Pi RK3308B —

Speed	Voltage	R3 state
HS200	1.8v	HIGH
MMCHS	3.3v	LOW

Title		
Size A1	Number	Revision
Date: 4/27/2024	Sheet of 2	Drawn By: CORE-S-202

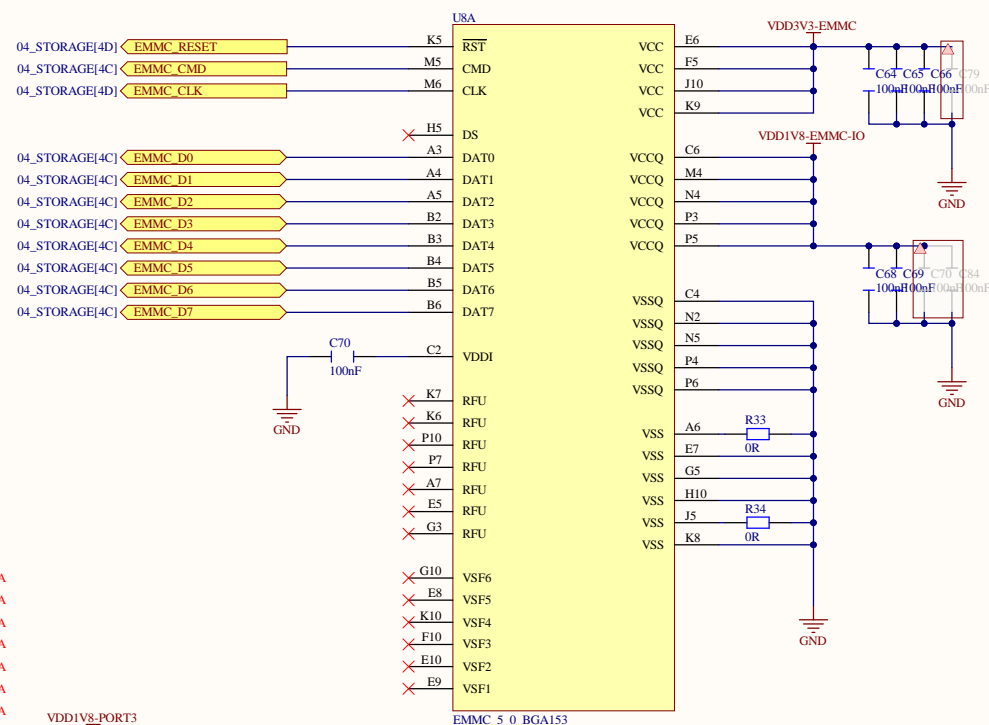
# DRAM 1 x 16Bit 512MB

## Sakura Pi RK3308B



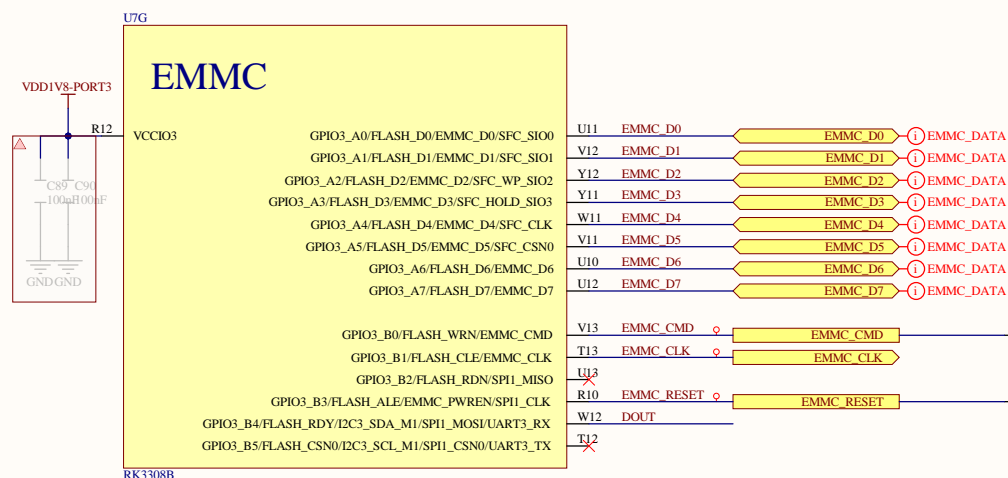
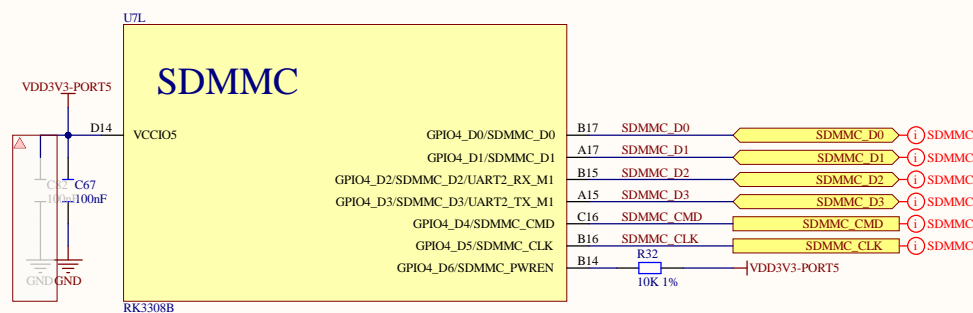
Title		
Size	Number	Revision
A2		
Date:	4/07/2025	Sheet of
File:	Z:\projects\03_DRAM\SchDoc	Dra A B-

## Sakura Pi RK3308B

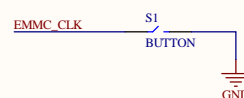


**A6 / J5 0R resistors are used to switch the eMMC version configuration.**

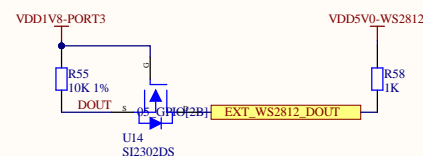
Type	A6 Installed	J5 Installed
eMMC 5.0	Yes	Yes
eMMC 4.x	No	No



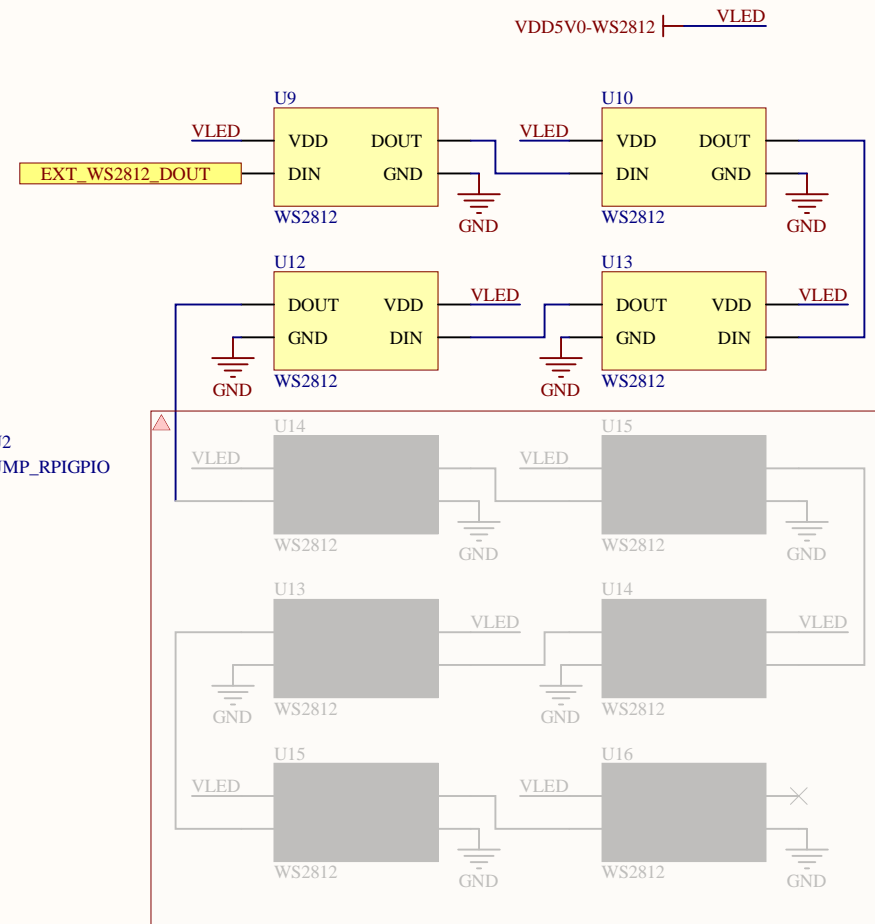
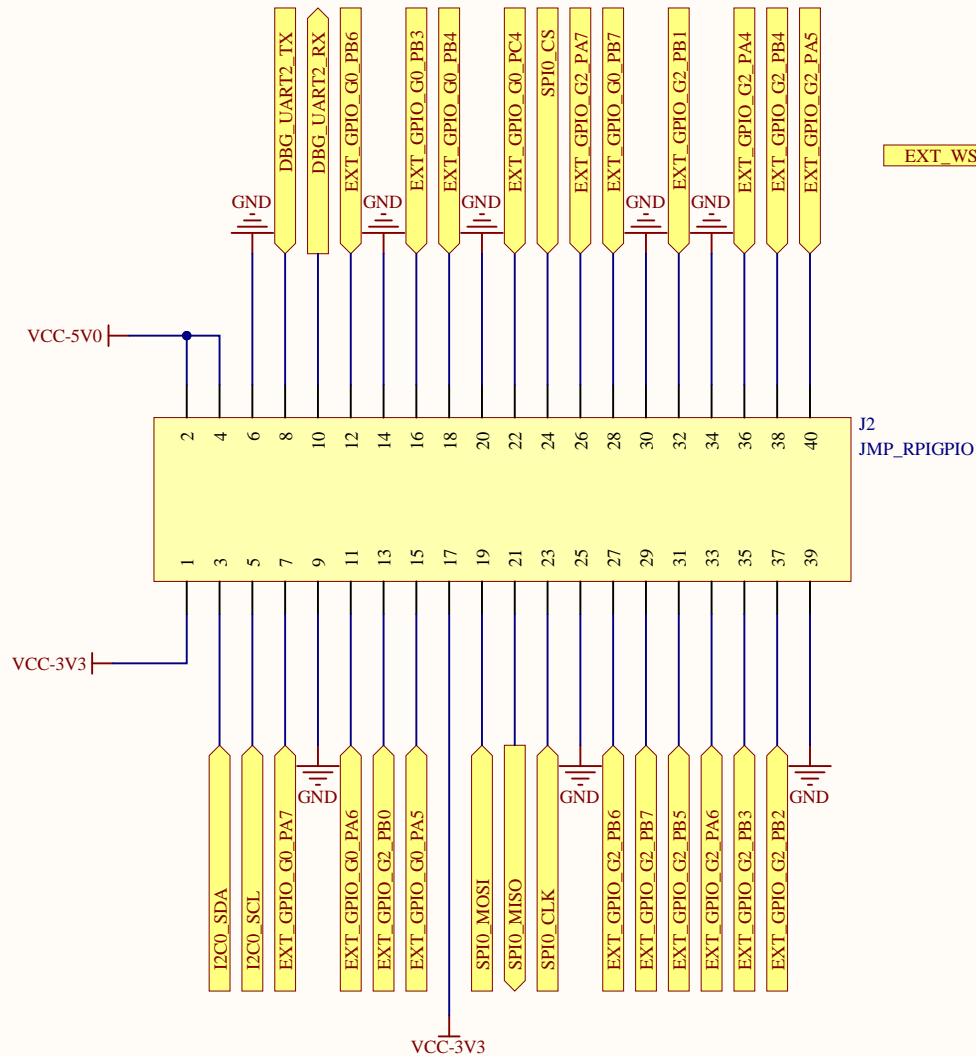
## MASK Button



## WS2812 Level Shift



# Sakura Pi RK3308B —

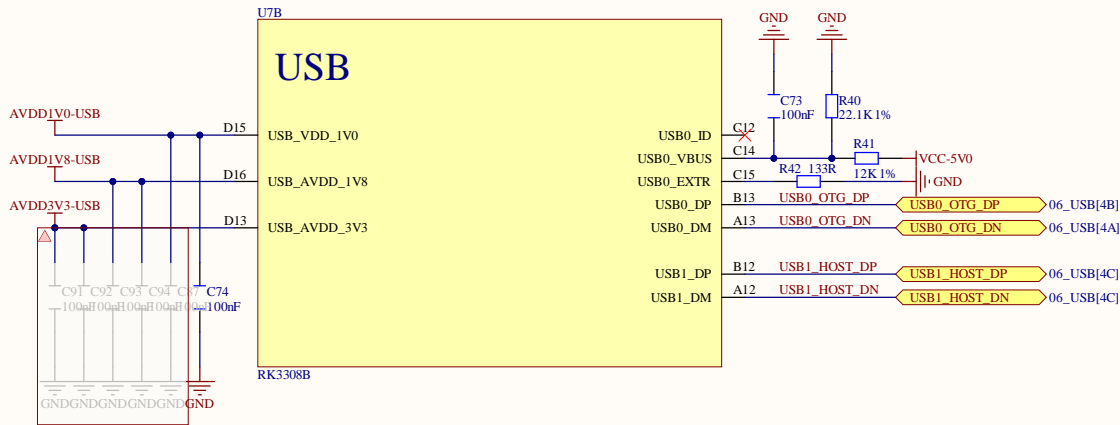
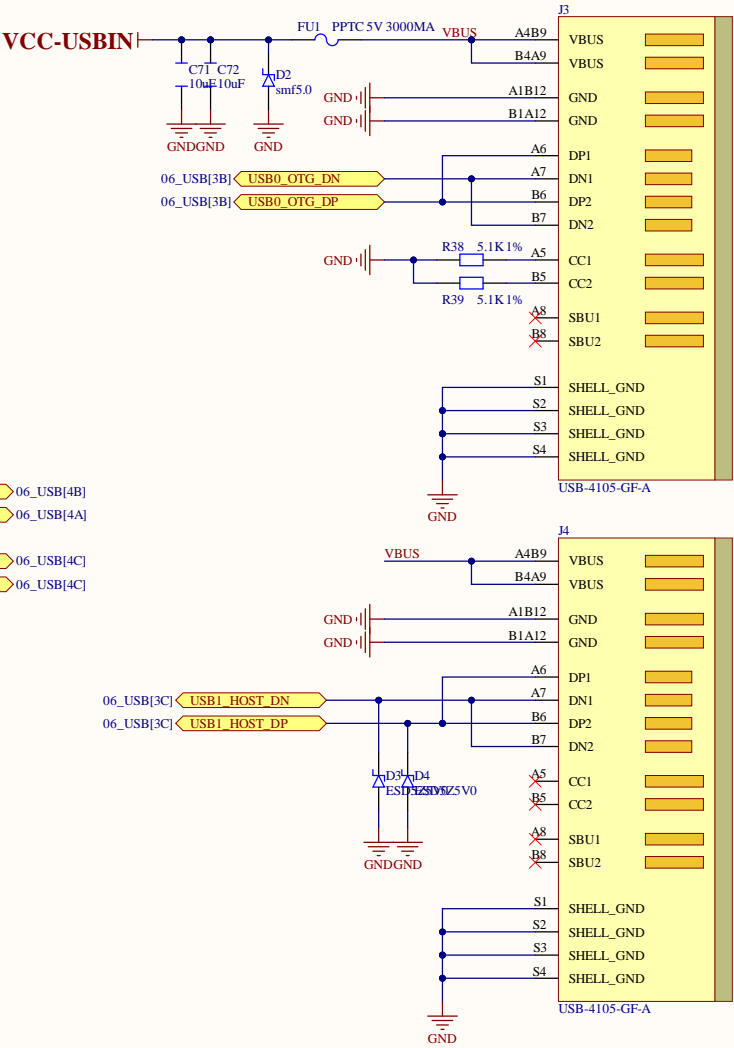


Title		
Size A	Number	Revision
Date:	4/07/2025	Sheet of
File:	Z:\projects\...\05_GPIO.SchDoc	Drawn By:

# USB OTG & Host

Sakura Pi RK3308B

Note: Type-C 5v Power In



Title		
Size B	Number	Revision
Date:	4/07/2025	Sheet of
File:	Z:\projects\...\06_USB.SchDoc	Drawn By:

# Sakura Pi RK3308B

Title		
Size A	Number	Revision
Date:	4/07/2025	Sheet of
File:	Z:\projects\...07_DISPLAY.SchDoc	Drawn By:

## Sakura Pi RK3308B

