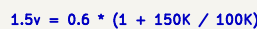


Sakura Pi RK3308B

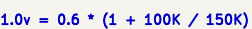
DRAM

1.5v / 2A OUTPUT



CORE-LOGIC

1.0v / 2A OUTPUT



CPU-CORE

1.0–1.35V / 2A OUTPUT

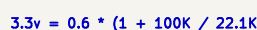


Using CPU PWM output for

interfering with the feedback cause

3V3-10

3.3v / 2A OUTPUT



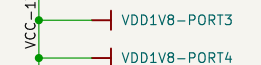
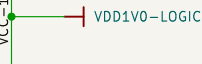
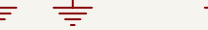
1V8-10 1.8v / 300mA OUTPUT

1.8v / 300mA OUTPUT

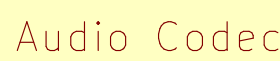
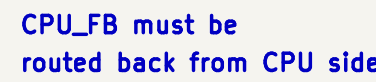


DISPLAY-BG

21v / 20mA OUTPUT



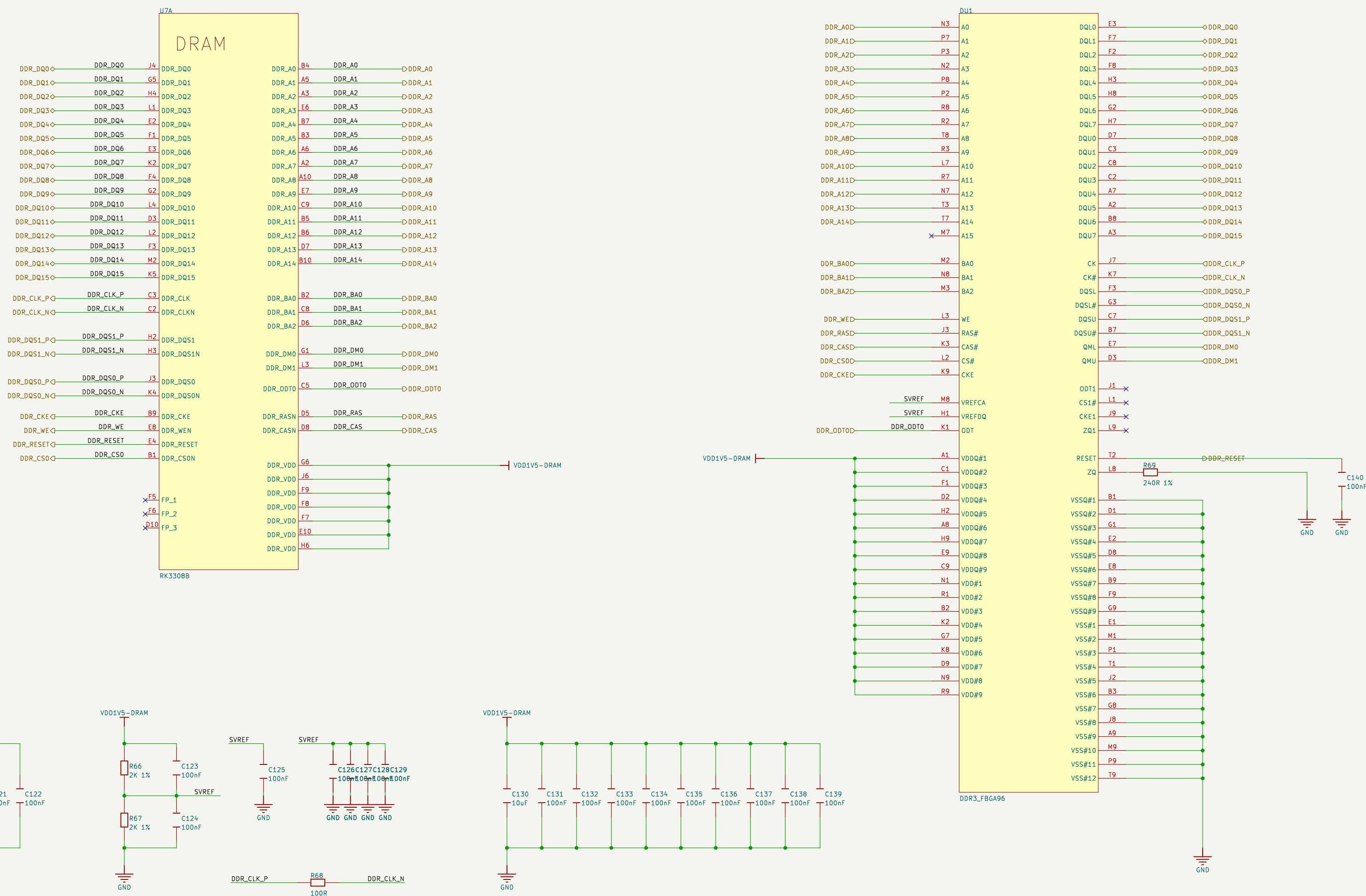
Sakura Pi RK3308B



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

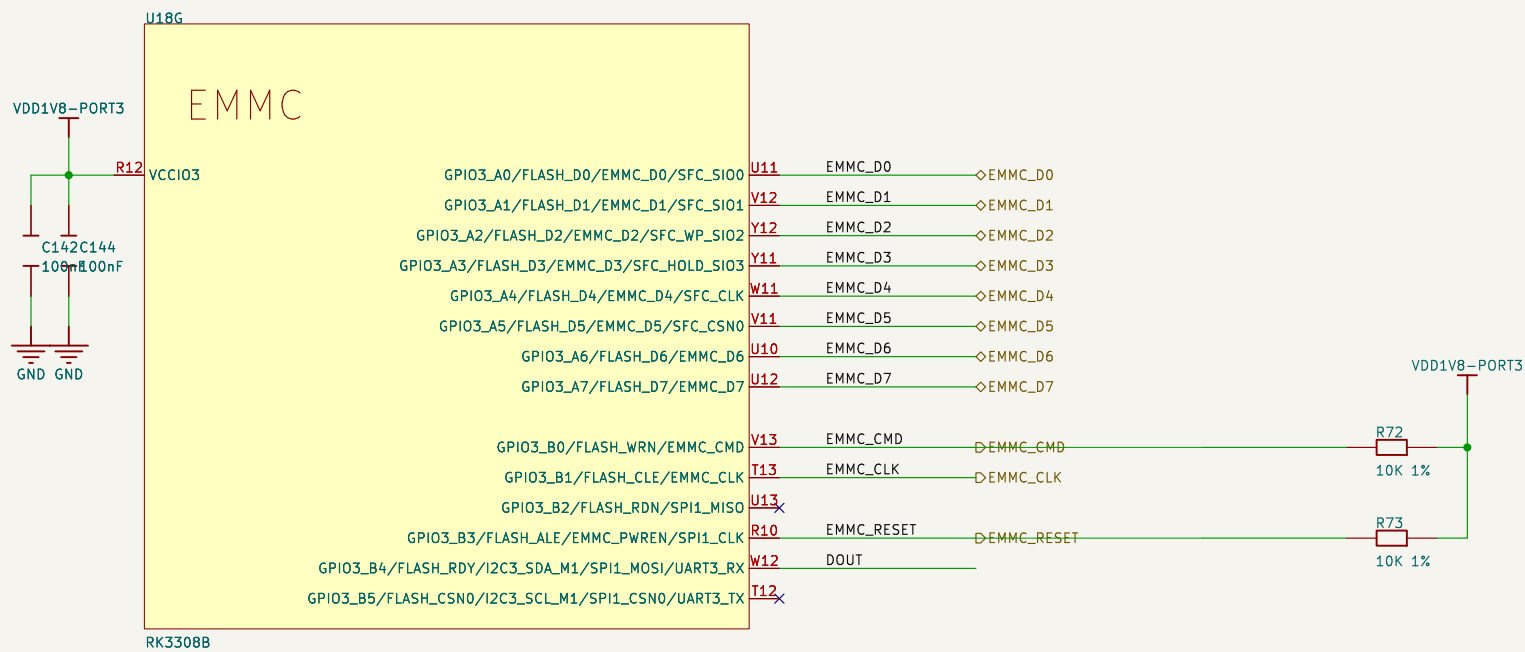
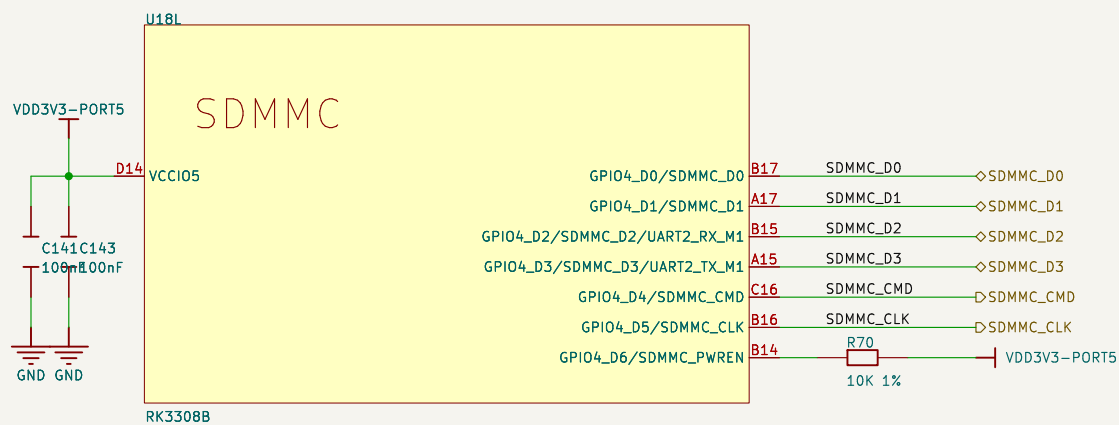
DRAM 1 x 16Bit 512MB

Sakura Pi RK3308B

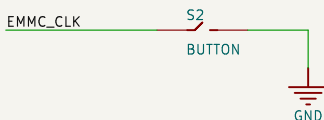


Onboard Storage

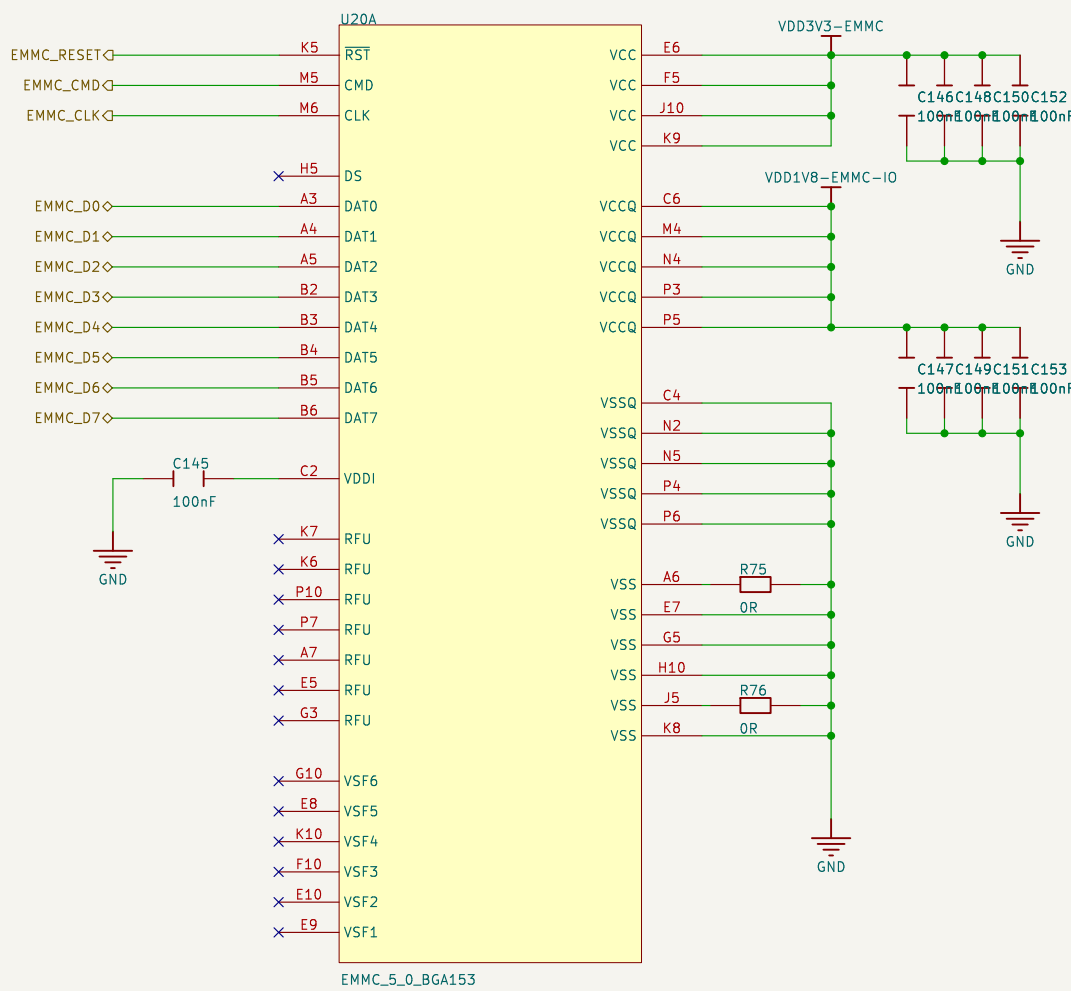
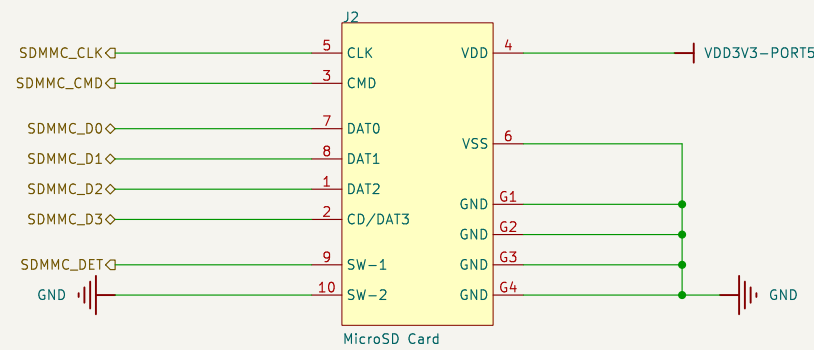
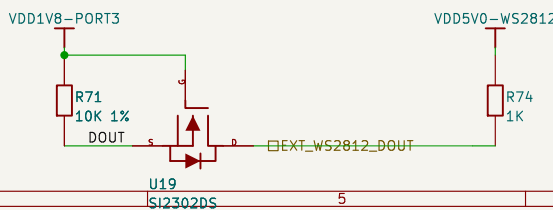
Sakura Pi RK3308B



MASK Button



WS2812 Level Shift

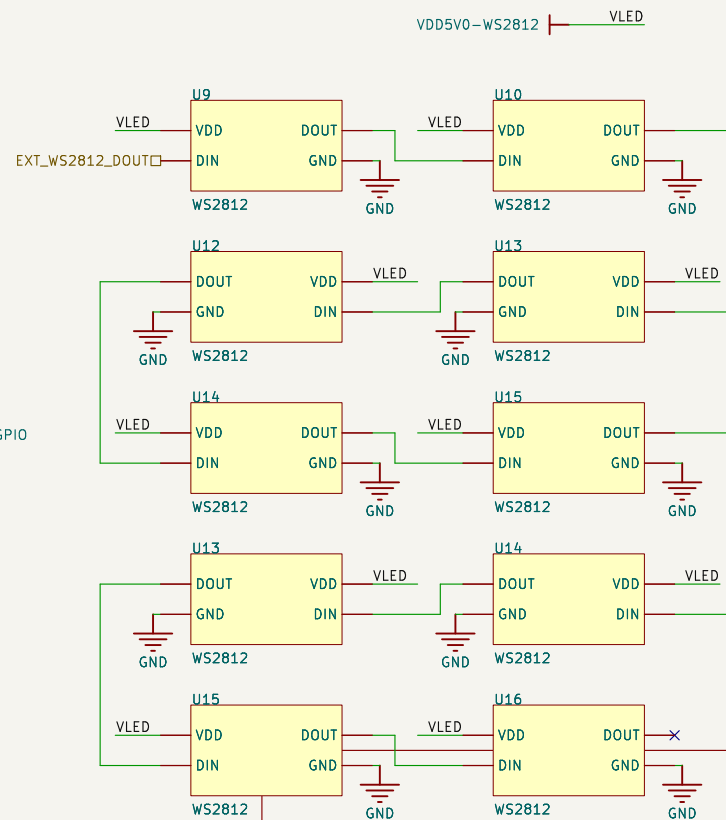
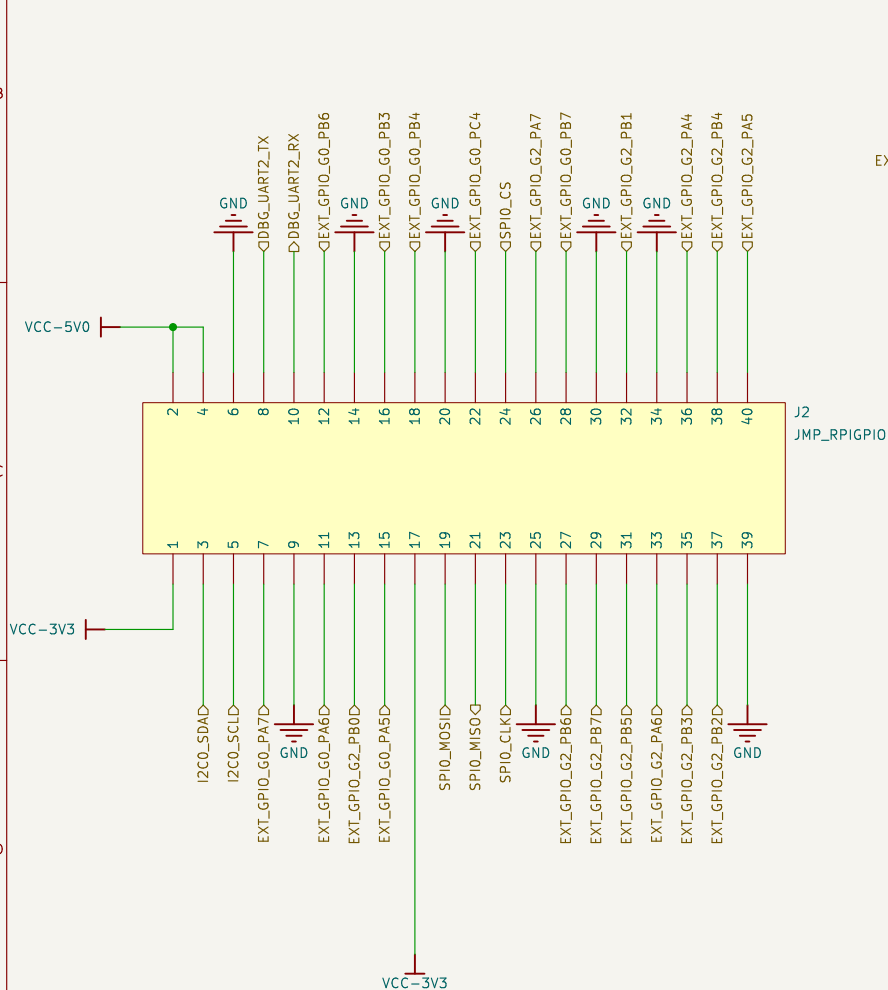


A6 / J5 0R resistors are used to switch the eMMC version configuration.

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

GPIO Pins

Sakura Pi RK3308B



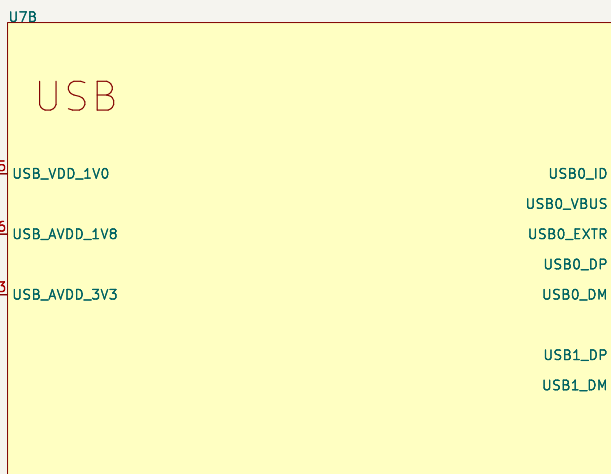
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File: 05_GPIO.kicad_sch

Title:

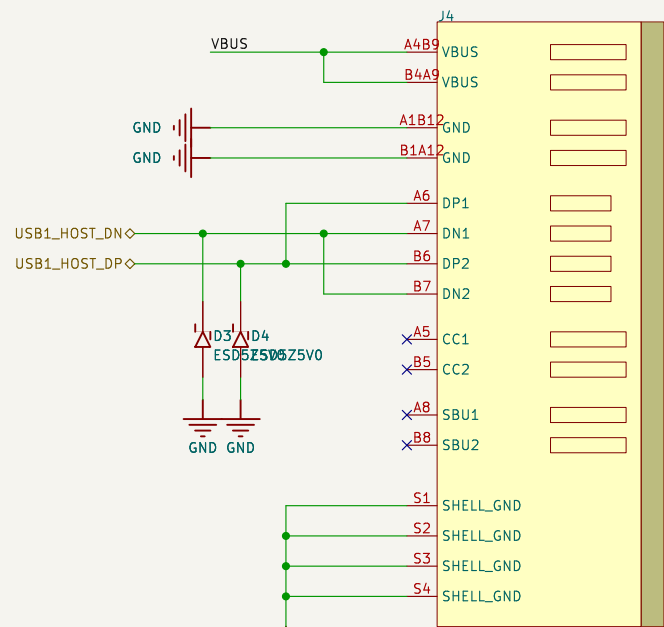
Size: A Date:
KiCad E.D.A. 9.0.2

Rev:
Id: 1/1

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The diagram illustrates the PCB layout for the USB-4105-GF-A module. It shows the internal wiring from the VCC-USBIN input to the module's pins. Key components include a 5V PPTC fuse (FU1), decoupling capacitors C71 (10µF) and C72 (10µF), and a 5.0V voltage detector (VD2). The layout is divided into two main sections: a light blue area for power and ground connections, and a light yellow area for signal connections. The module's pins are labeled on the right, with corresponding internal connection points on the left. The power section includes connections for VBUS (A4B9, B4A9), GND (A1B1, B1A1), and USB_OTG signals (A6, A7, B6, B7). The signal section includes connections for CC1 (A5), CC2 (B5), SBU1 (A8), SBU2 (B8), and SHELL_GND (S1, S2, S3, S4). The module is identified as USB-4105-GF-A.



Title:

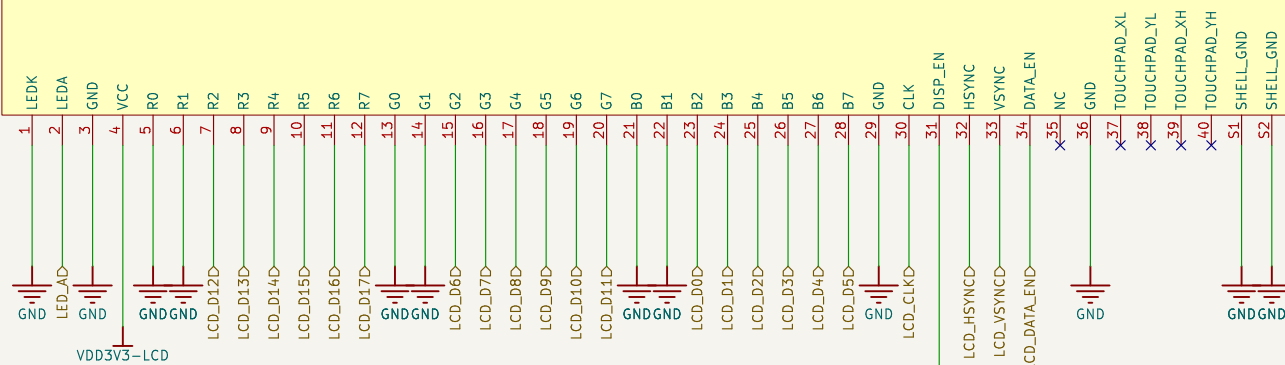
Rev:

KiCad E.D.A. 9.0.2

Display Connector

Sakura Pi RK3308B

J5 LCDTFT 40PIN



R56
10K 1%

VDD3V3-LCD

Sheet: /
File: 07_DISPLAY.kicad_sch

Title:

Size: A Date:
KiCad E.D.A. 9.0.2

Rev:
Id: 1/1

Wireless WiFi & BT

Sakura Pi RK3308B

