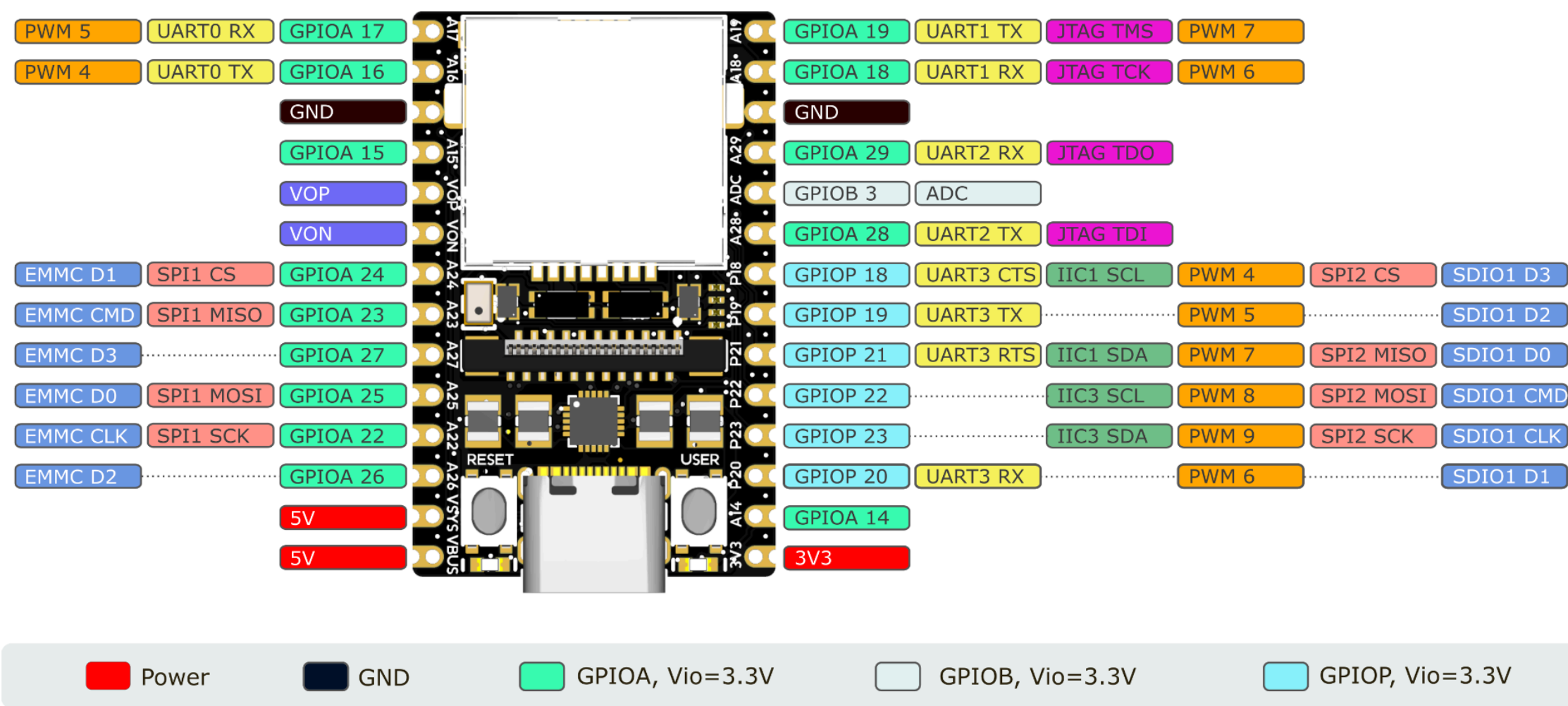
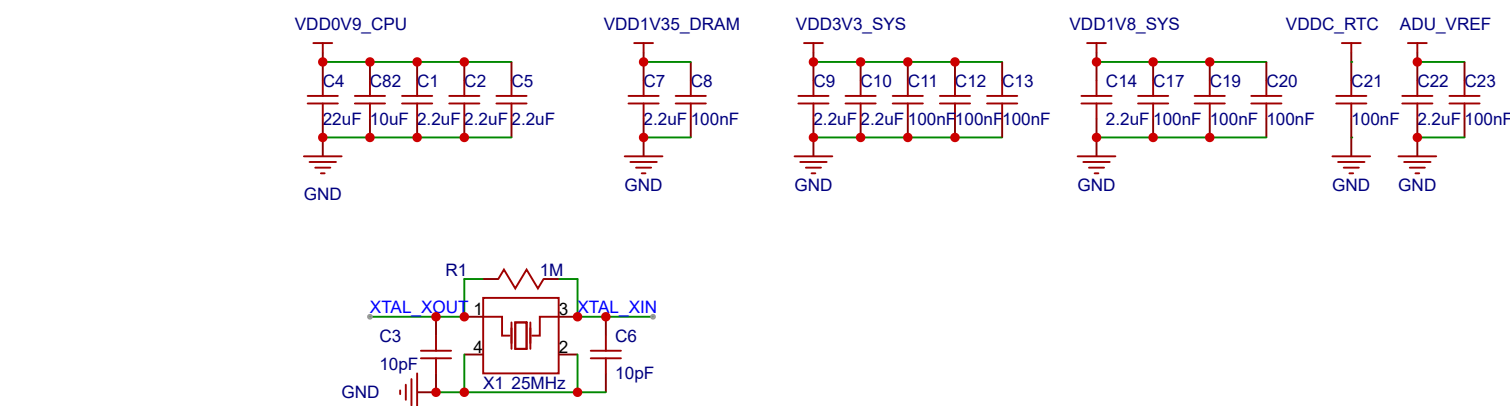


LicheeRV Nano 70418 Pin Definition





3CH DCDC + LDO

The schematic diagram illustrates a 3CH DCDC + LDO power supply system. The input is VDD3V3_SYS. The system consists of three DCDC converters (U1, U2, U3) and one LDO (U4). The DCDC converters are configured to output VDD1V35_DRAM, VDD0V9_CPU, and VSYS. The LDO is configured to output VDD1V8_SYS. The diagram includes various components like capacitors (C76, C77, C78, C79, C80, C81, C30, C42), resistors (R12, R13, R14, R15, R16, R17, R140, R141), inductors (L1, L2, L3), and a diode (D1). A dashed box labeled 'DNP' contains components C81 and R140, R141.

[illegible]

Backlight LED Driver

VSYS

BL_PWM

R11 10K

C35 2.2uF

L4 10uH

U14 AW9962EDNR

VIN NC CTRL

SW FB GND

C40 10uF/25V

LCD0_BL+

LCD0_BL-

R19 10R

R18 10R

BL

GND

$R = 200\text{mV}/20\text{mA}/N = 10\Omega/N$

Backlight LED (N)	BL (R18)
1 Series	NC
2 Series	10 Ω
4 Series	3.3 Ω

PWR & User LED | BOOT & RESET KEY

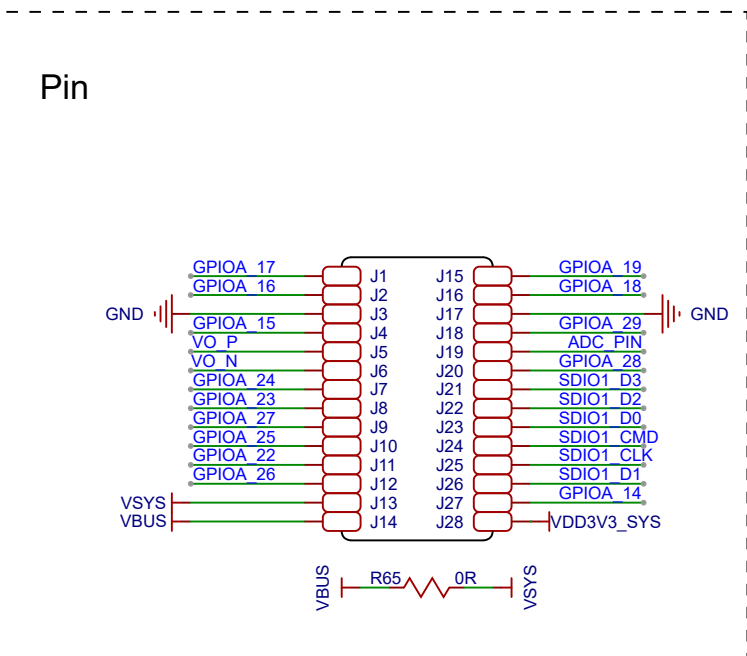
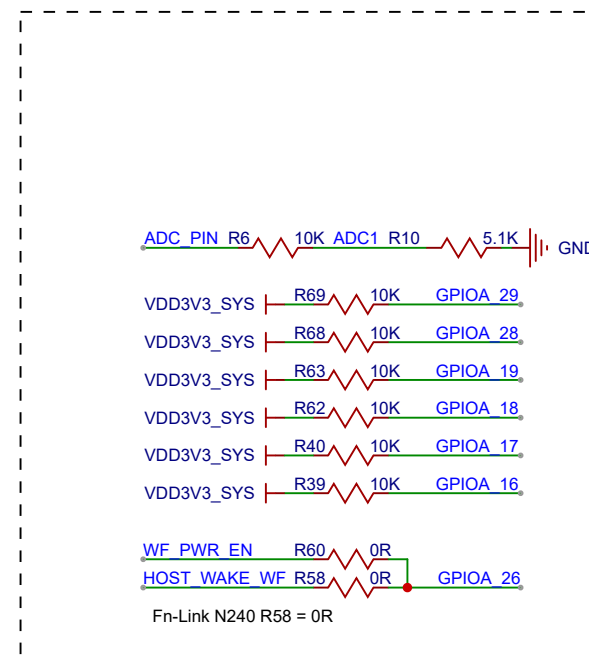
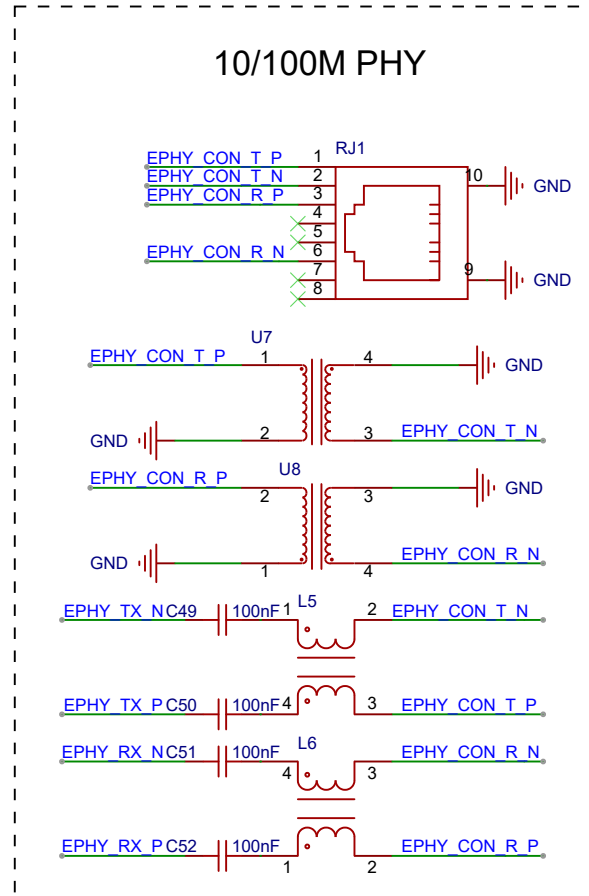
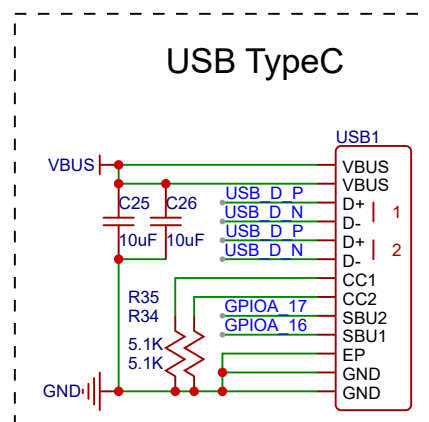
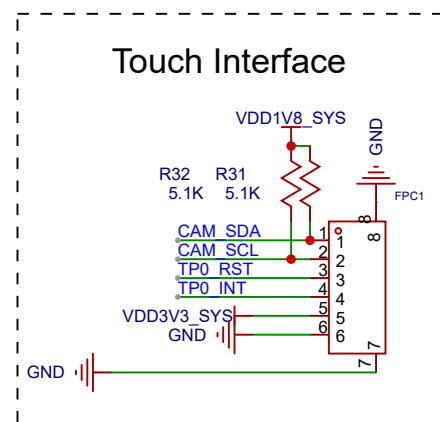
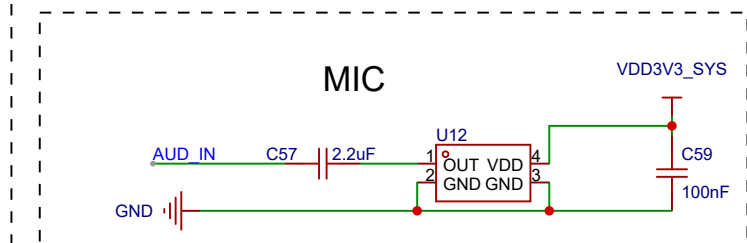
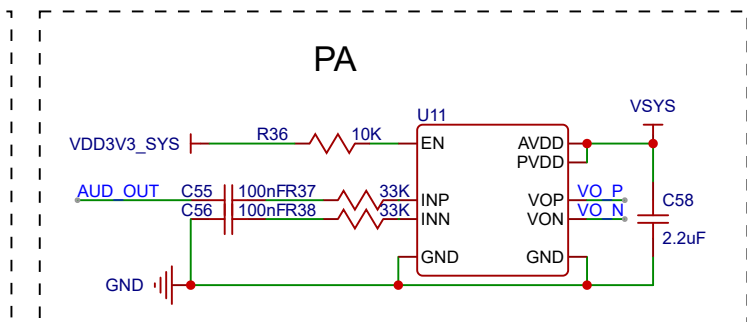
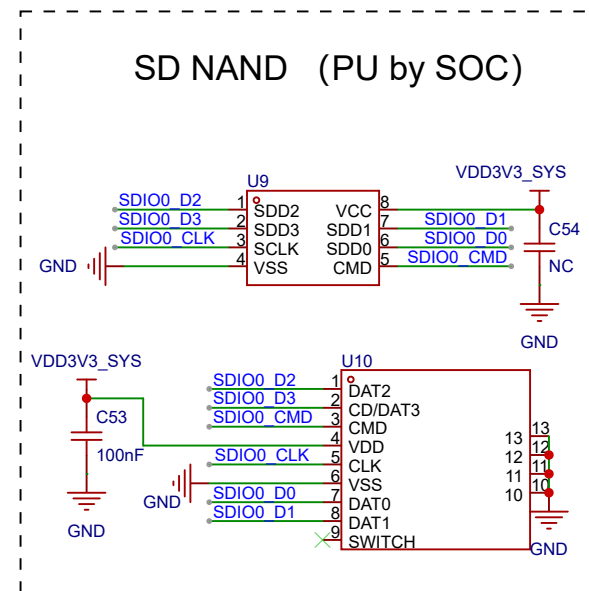
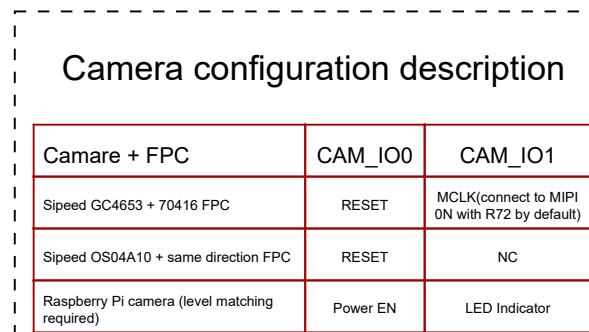
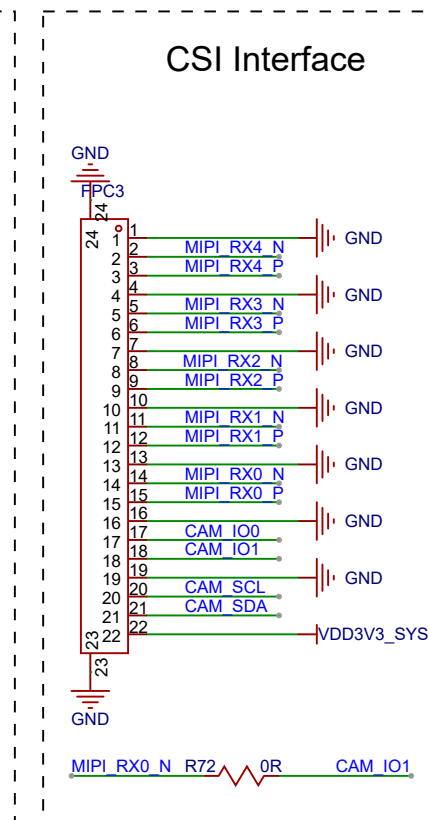
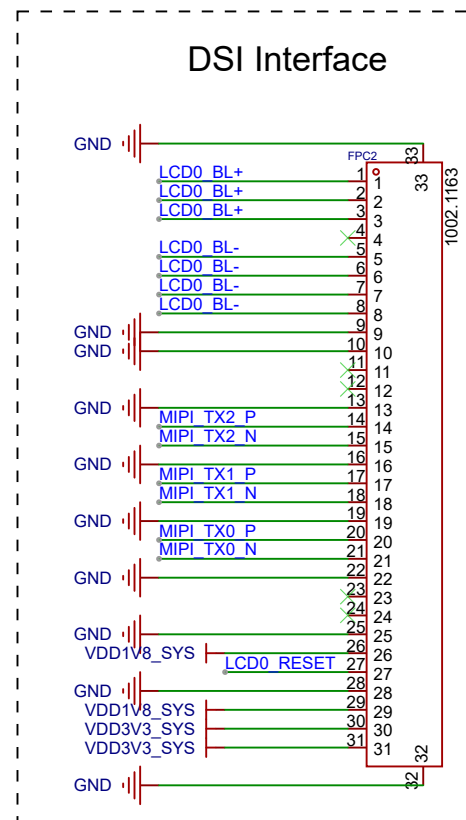
PWR LED (LED1) connected to GPIOA 14 via R28 (5.1K) to GND.

BOOT KEY connected to VDD3V3_SYS via R25 (10K) to SW1, which is connected to GND.

User LED (LED2) connected to VDD3V3_SYS via R30 (5.1K) to GND.

RESET KEY (SYS_RSTN) connected to VDD1V8_SYS via R64 (10K) to SW2, which is connected to GND. A 100nF capacitor C63 is connected between the switch SW2 and GND.





LicheeRV Nano	Speed GC4653	Speed OS04A10	RPI 2lan Camera
MIPI RX 4		CSI D3	CSI D0
MIPI RX 3		CSI D1	CSI D1
MIPI RX 2	CSI CLK	CSI CLK	CSI CLK
MIPI RX 1	CSI D0	CSI D0	
MIPI RX 0	CSI D1	CSI D2	
IO0 (Connect R4N)	MCLK	RST	Power EN
IO1	RST	NC	LED

LicheRV Nano	Speed GC4653	Speed OS04A10	RPI 2lan Camera
MIPI RX 4	CSI CLK	CSI D3	CSI D0
MIPI RX 3	CSI D0	CSI D1	CSI D1
MIPI RX 2	CSI D1	CSI CLK	CSI CLK
MIPI RX 1		CSI D0	
MIPI RX 0		CSI D2	
IO0	RST	RST	Power EN
IO1 (Connect R0N)	MCLK	NC	LED

70405 Camera Interface

70415 / 70418 Camera Interface