

12345678

A

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C

D

E

F

CSI

Display

Supply

USB

ID Serial

SoM

Interfaces

File:csi.kicad_sch

File:display.kicad_sch

File:supply.kicad_sch

File:usb-debug.kicad_sch

File:id-serial.kicad_sch

File:som.kicad_sch

File:Interfaces.kicad_sch

Logo

N3

crc_logo

Logo

N2

oshw_logo

Logo

N1

antmicro_logo

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Sheet: /

File: jetson-nano-baseboard.kicad_sch

Title: Jetson Nano Baseboard

Size: A3

Date: 2024-03-26

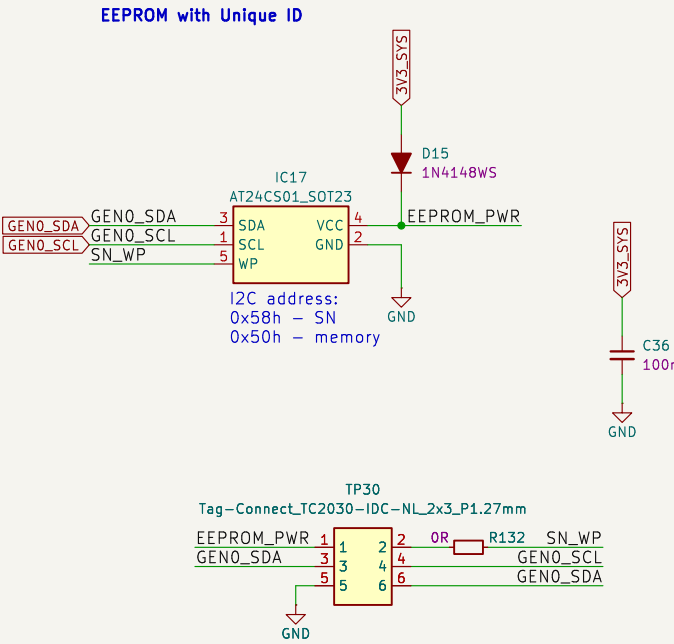
KiCad E.D.A. kicad-cli 7.0.11

Rev: 1.6.3:3d944

Id: 1/8



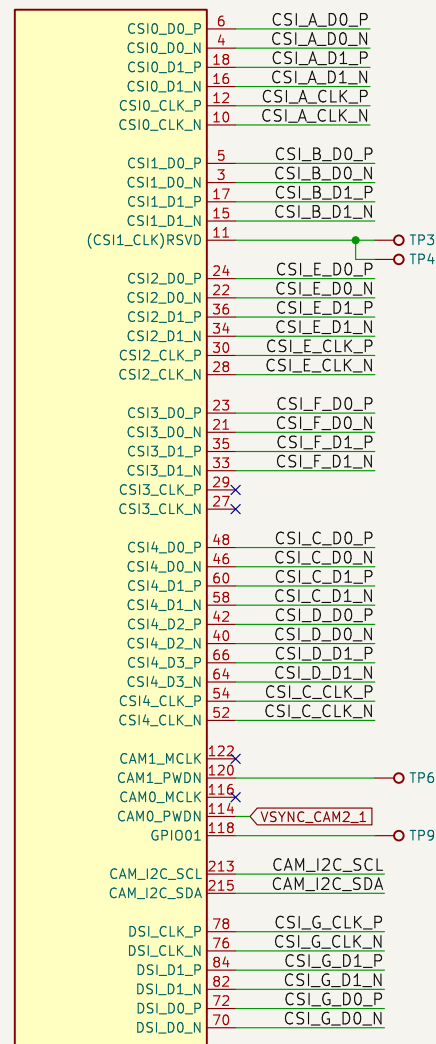
ID serial



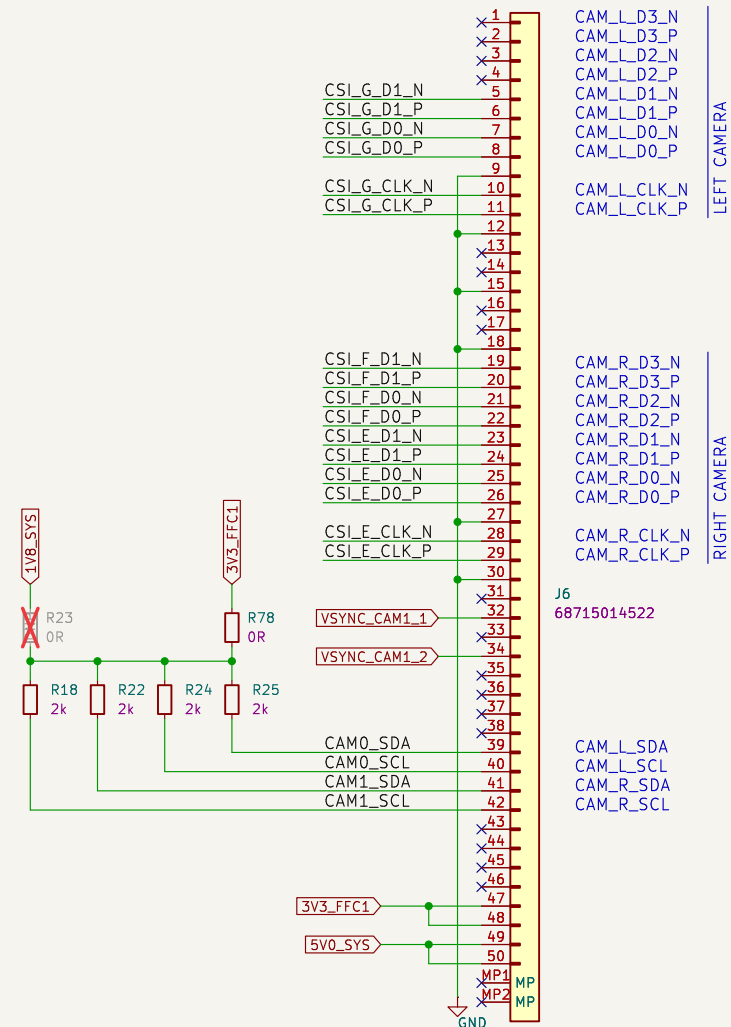
Camera Interfaces

SoM interface

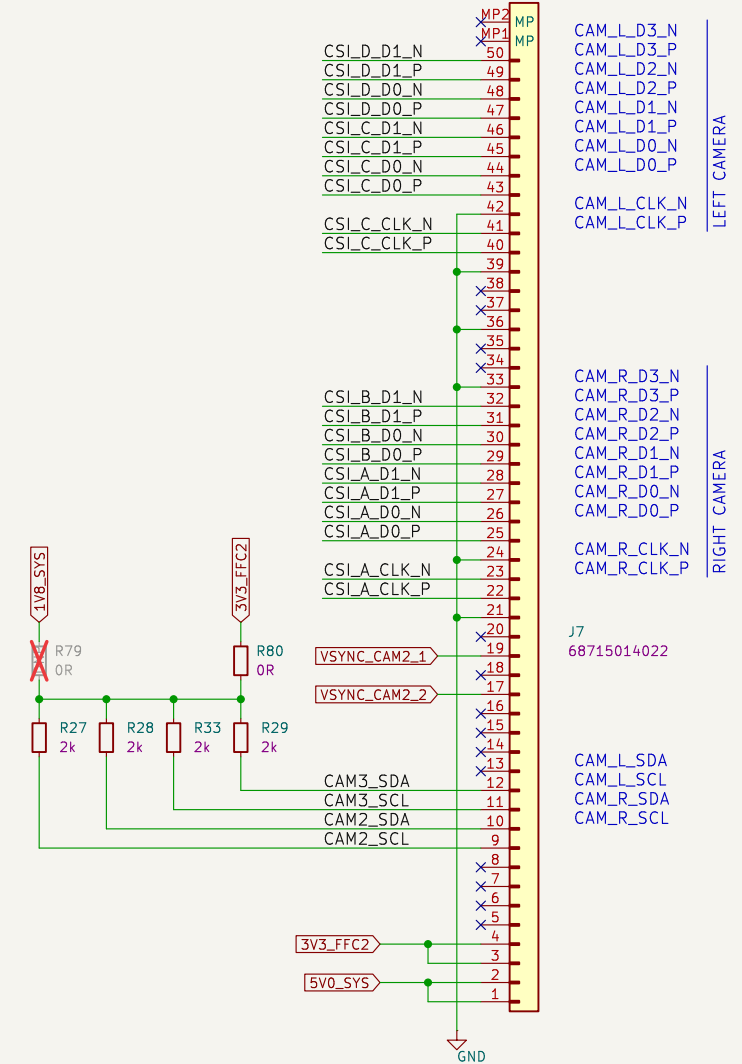
J15B
2309413-1



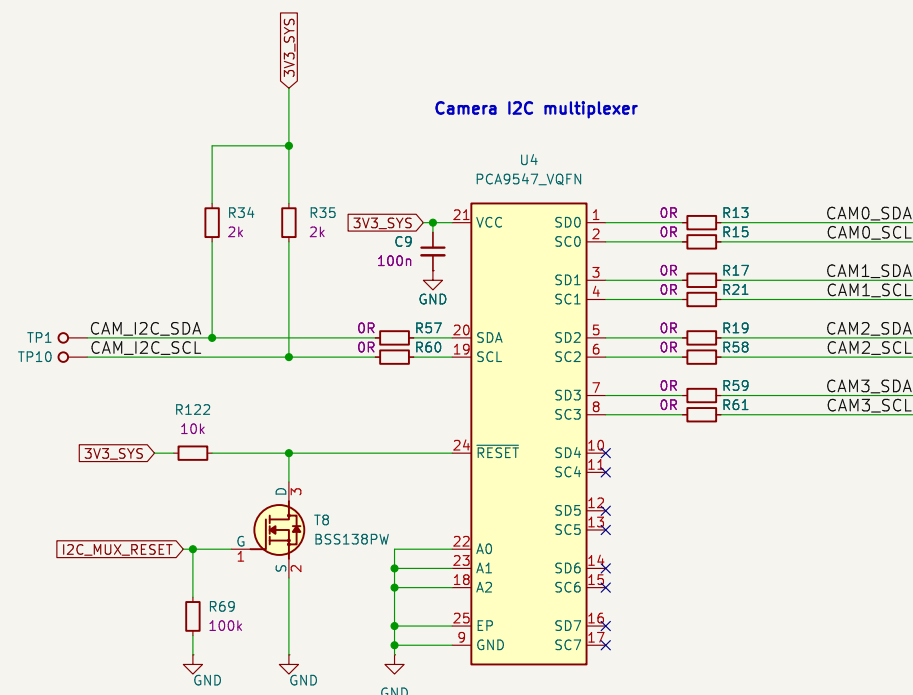
Camera FFC #1



Camera FFC #2



Camera I2C multiplexer



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Sheet: /CSI/
File: csi.kicad_sch

Title: Jetson Nano Baseboard

Size: A3

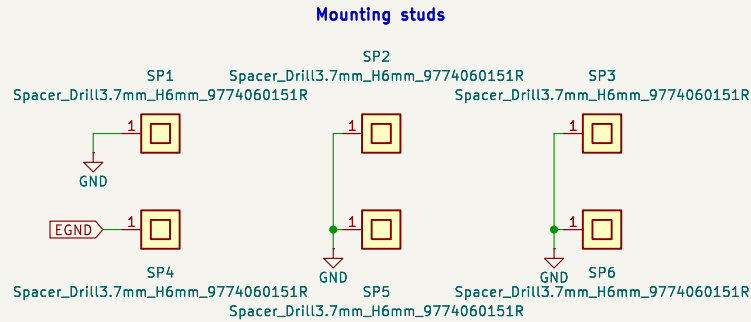
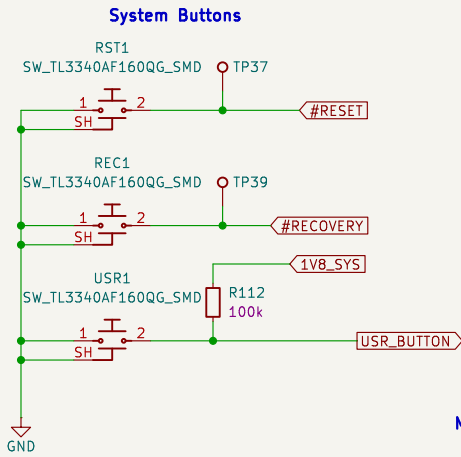
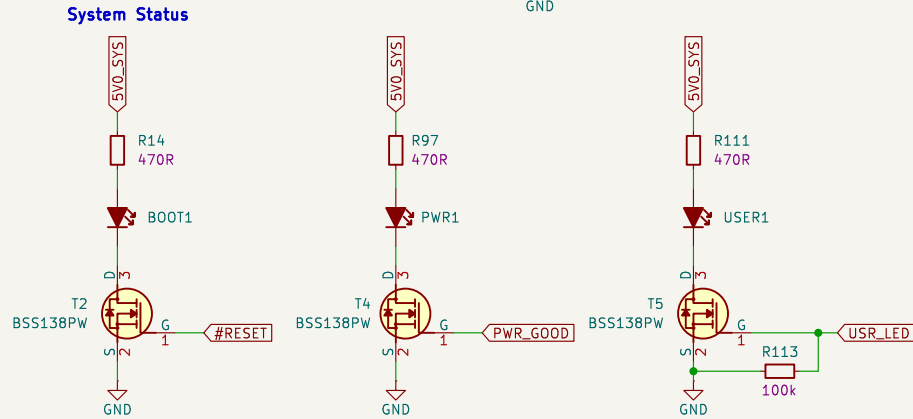
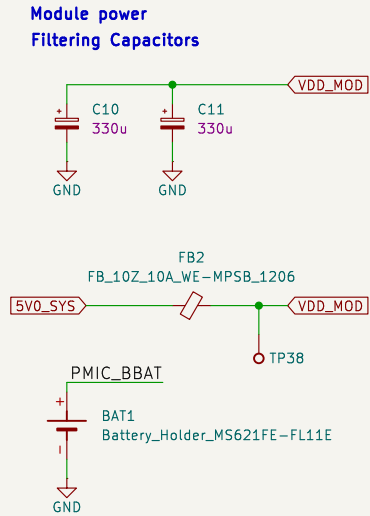
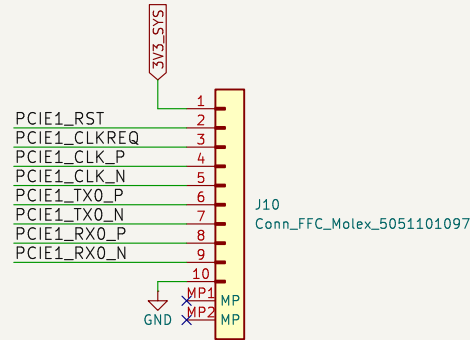
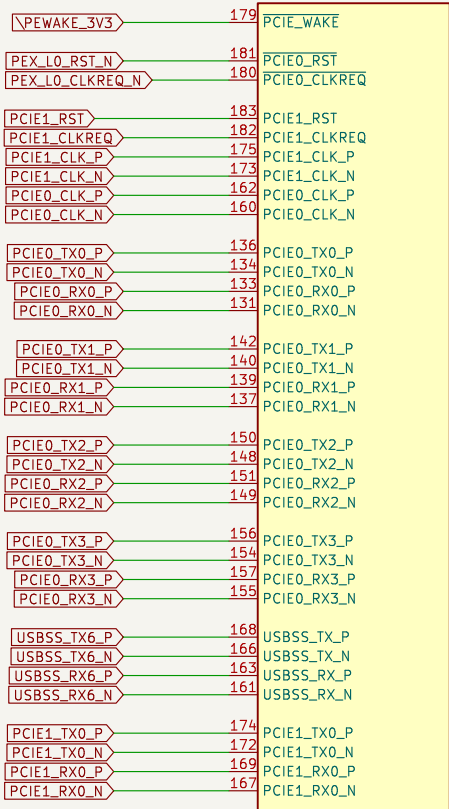
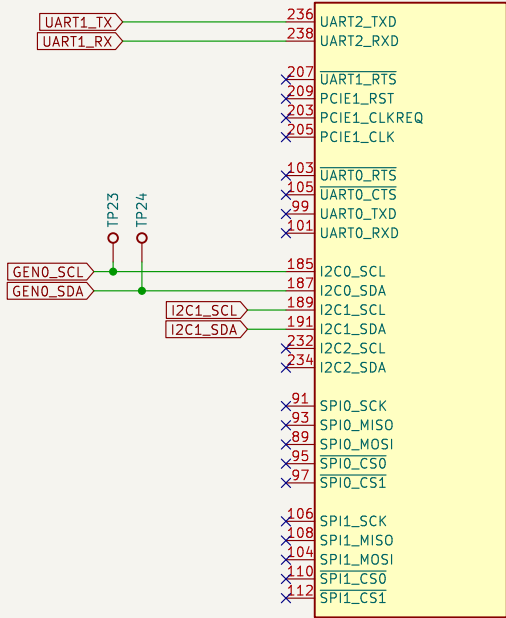
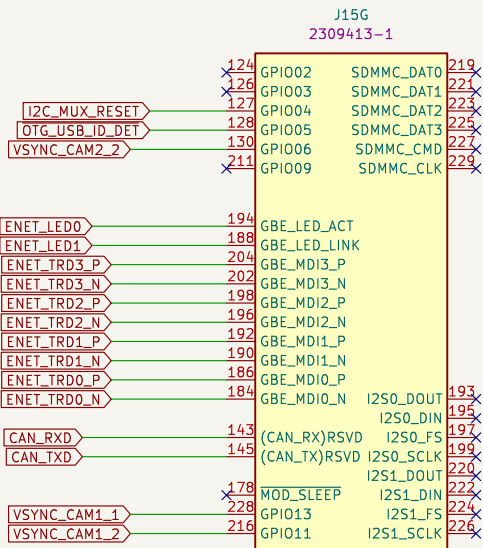
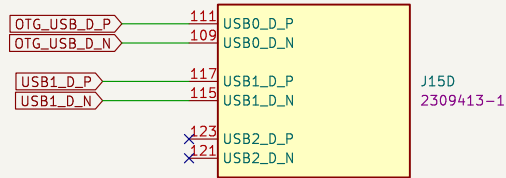
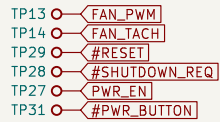
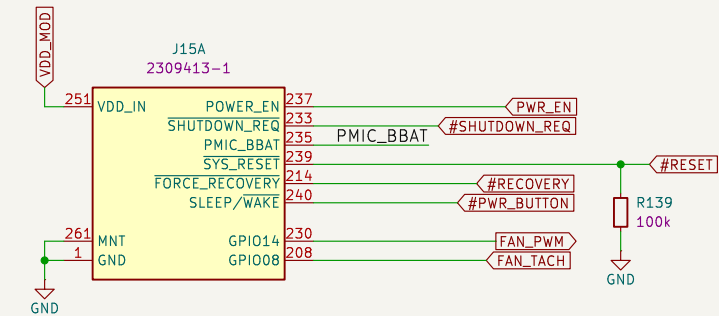
Date: 2024-03-26

Rev: 1.6.3:3d944

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| Size: AS | Date: 2024 |
| KiCad E.D.A. | kicad-cli 7.0.11 |

SoM

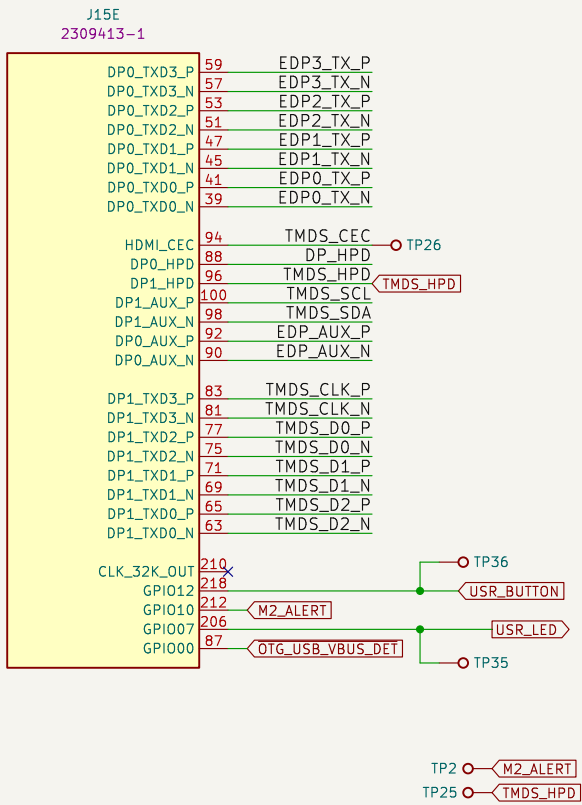
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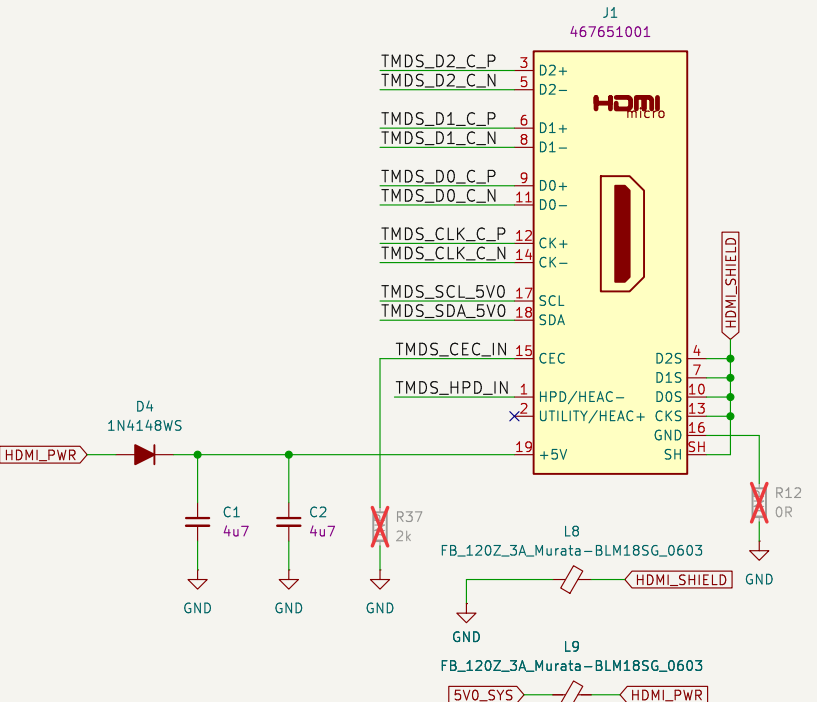
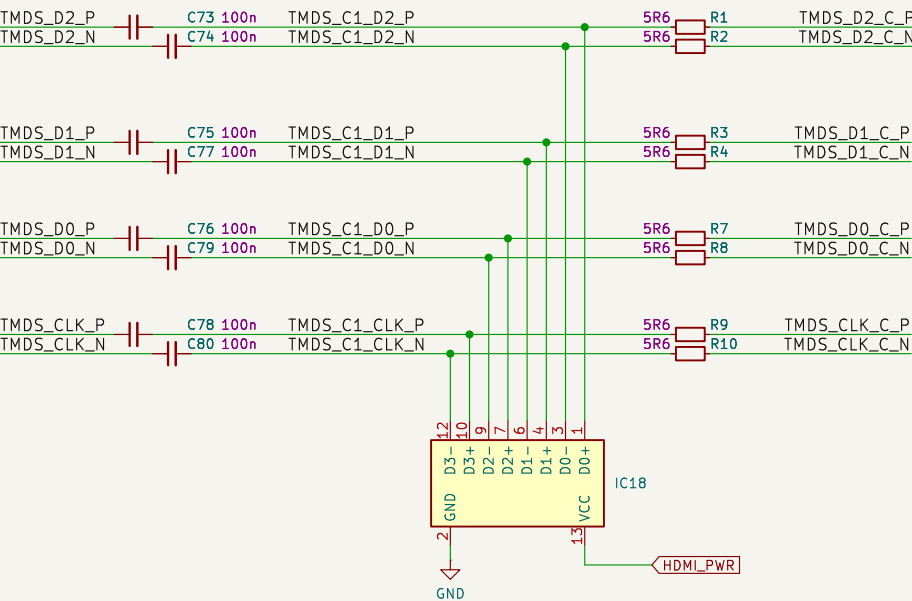
Mechanical model



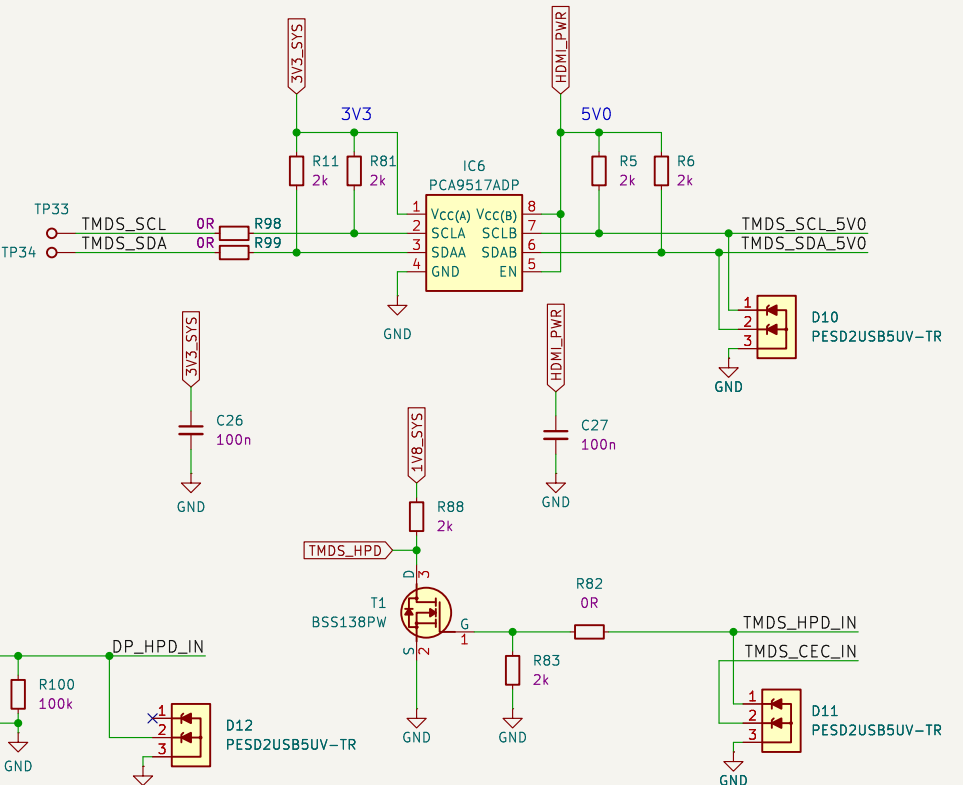
Display



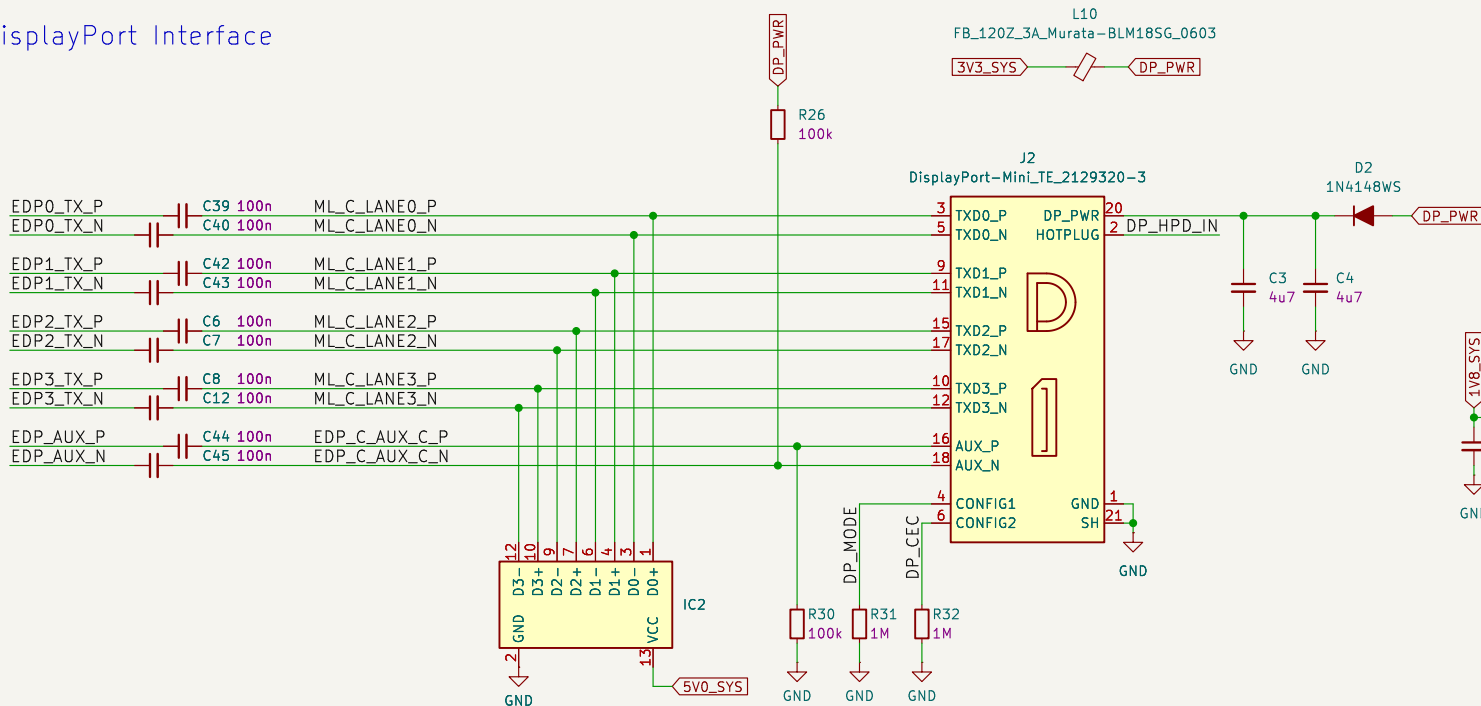
HDMI Interface



DDC/HPD



DisplayPort Interface



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Sheet: /Display/

File: display.kicad_sch

Title: Jetson Nano Baseboard

Size: A3

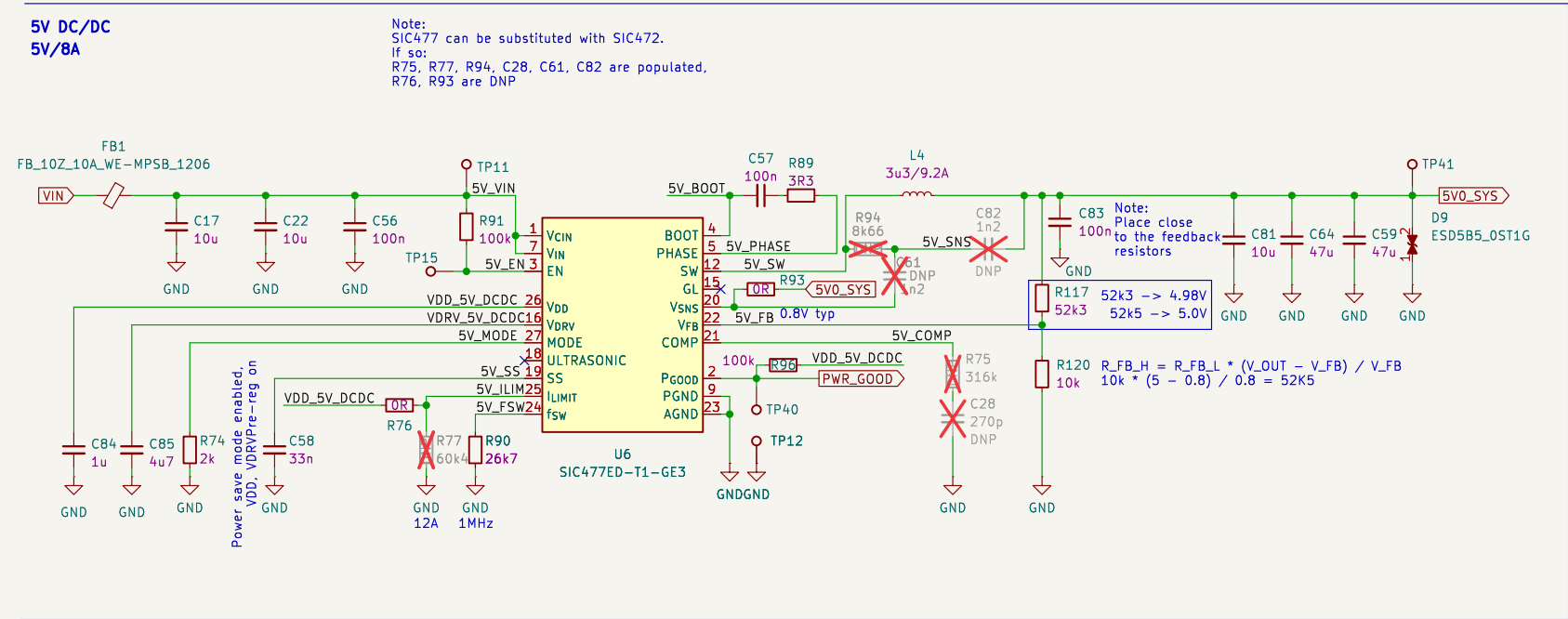
Date: 2024-03-26

Rev: 1.6.3:3d944

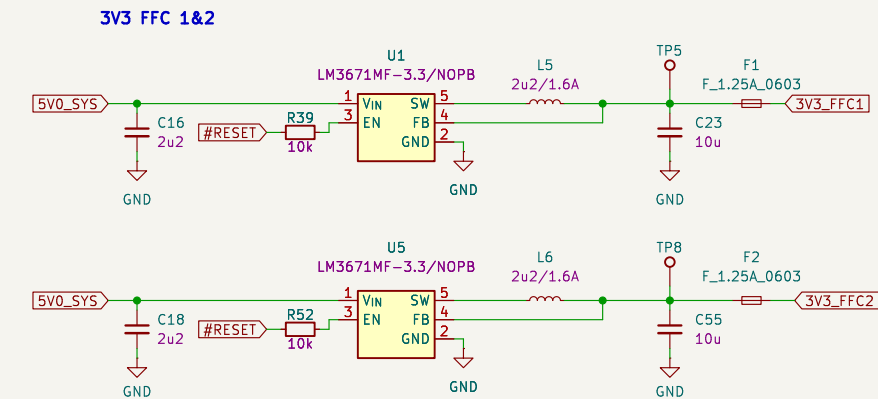
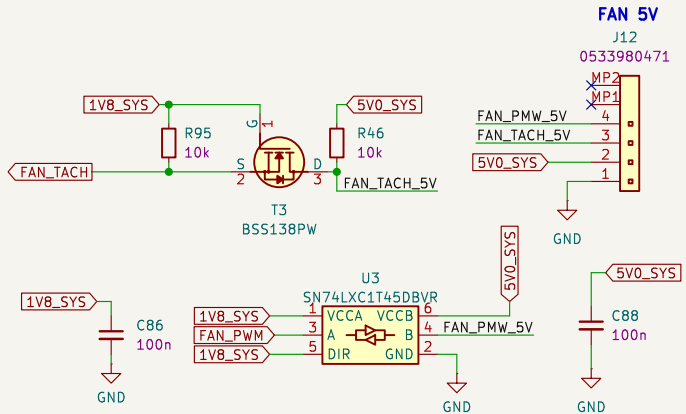
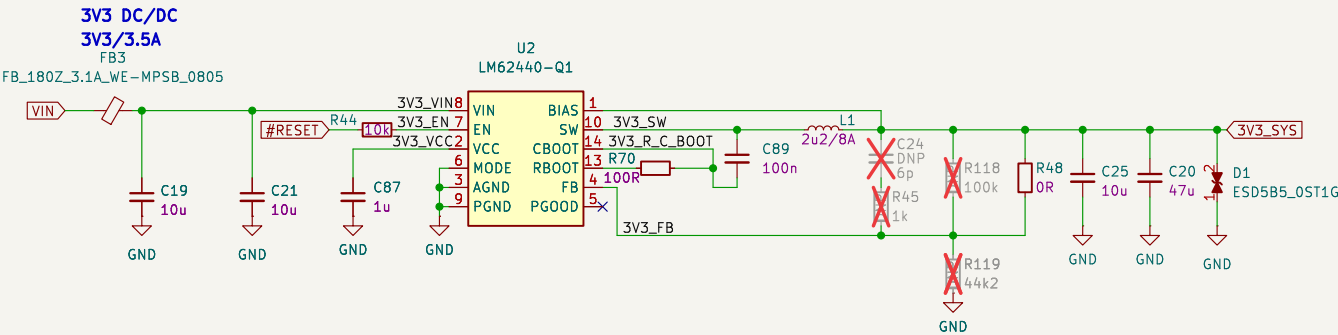
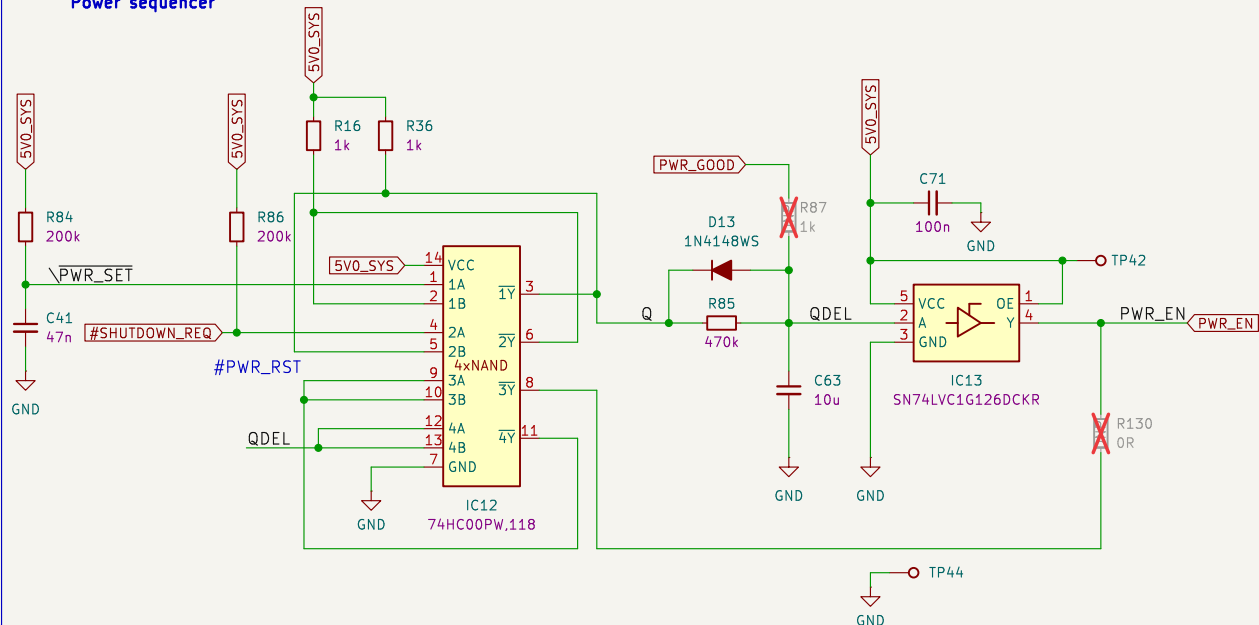
KiCad E.D.A. kicad-cli 7.0.11

Id: 5/8

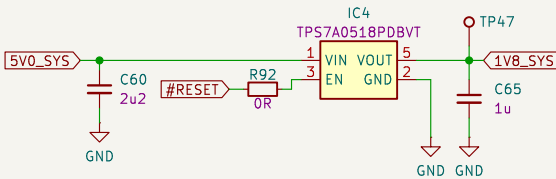
Power Supply



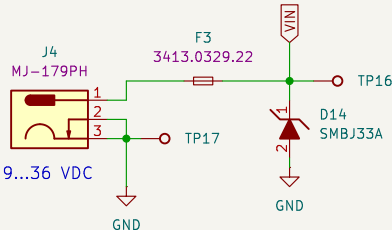
Power sequencer



System 1V8

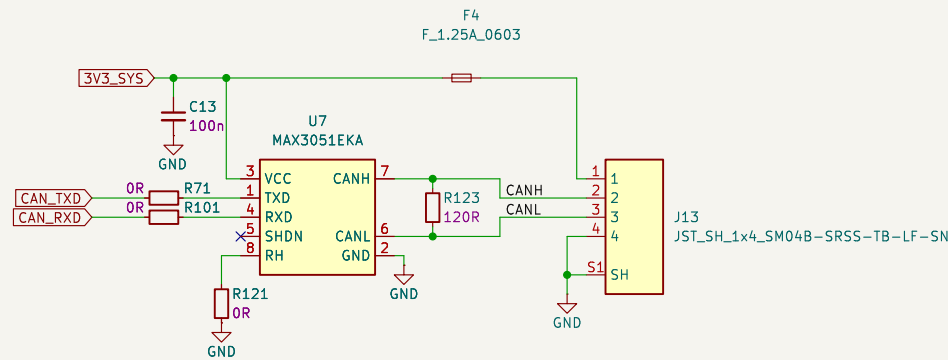


Power input

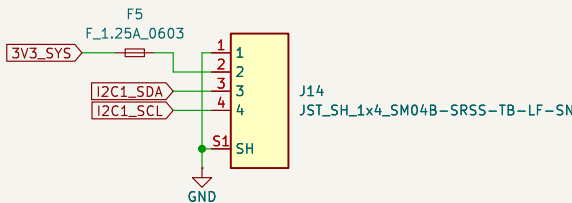


Interfaces

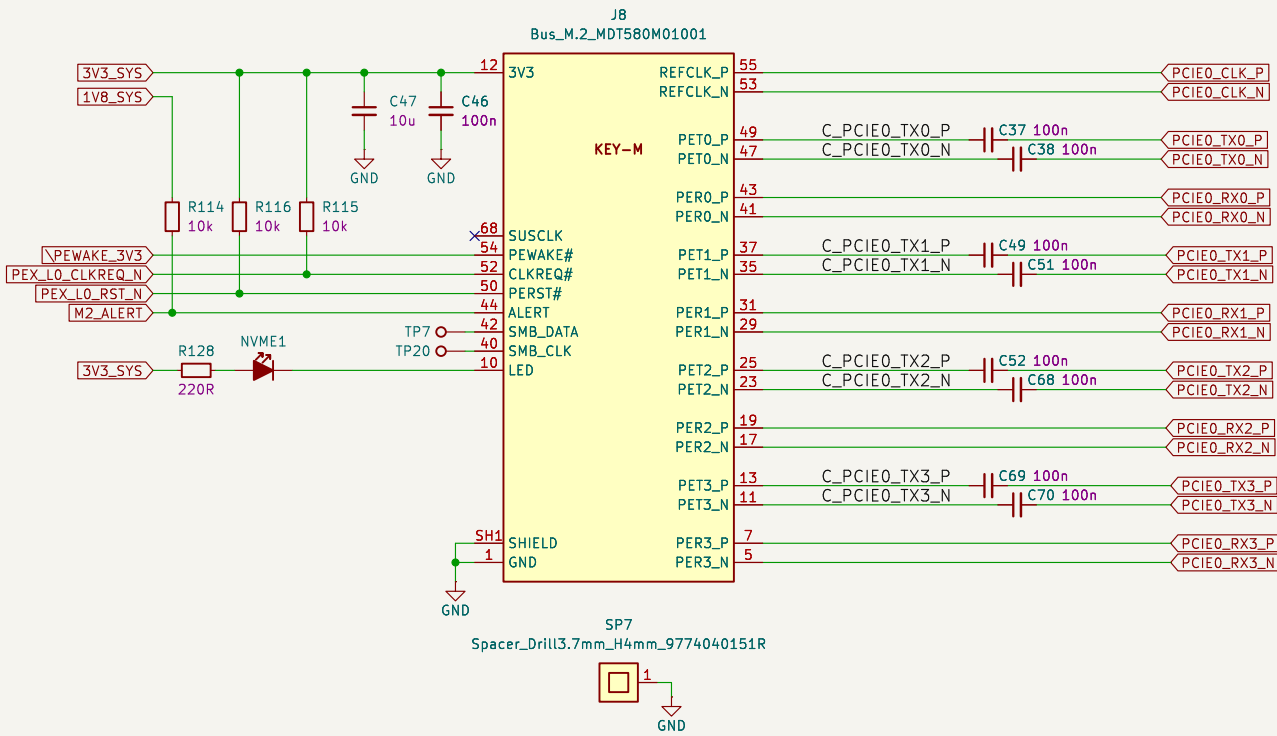
CAN Interface



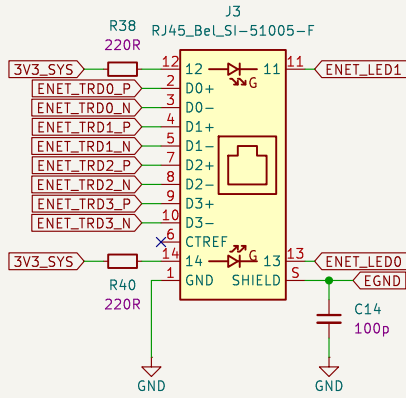
I2C Connector



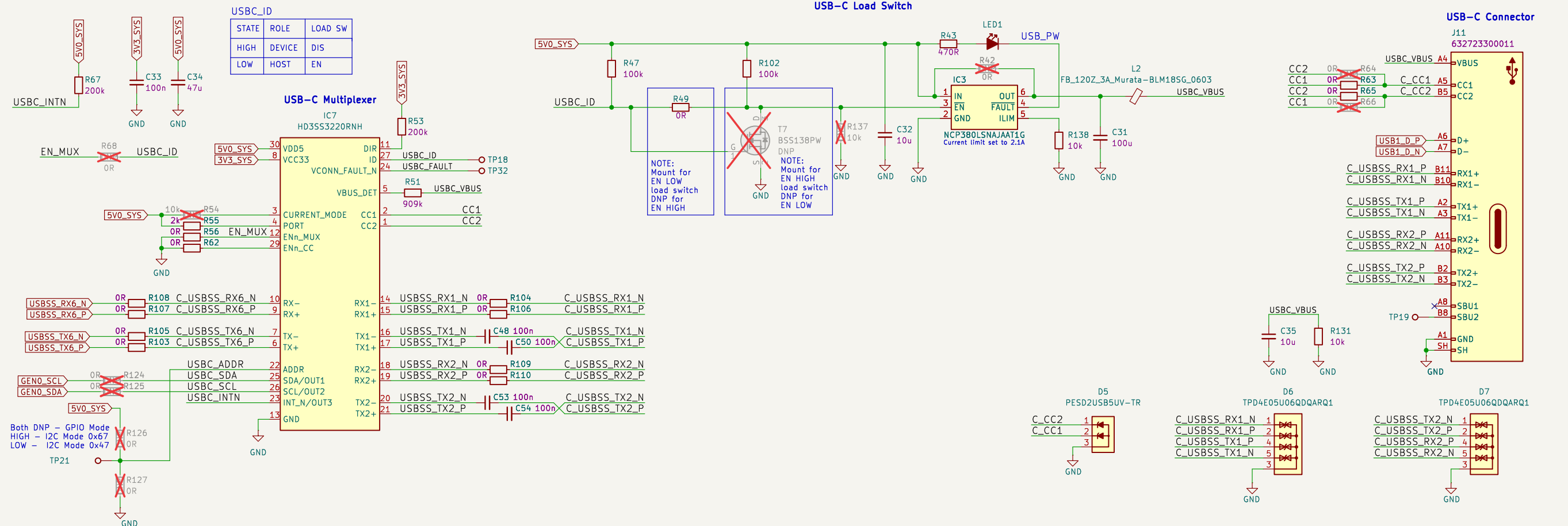
M.2 NVMe Interface



Ethernet



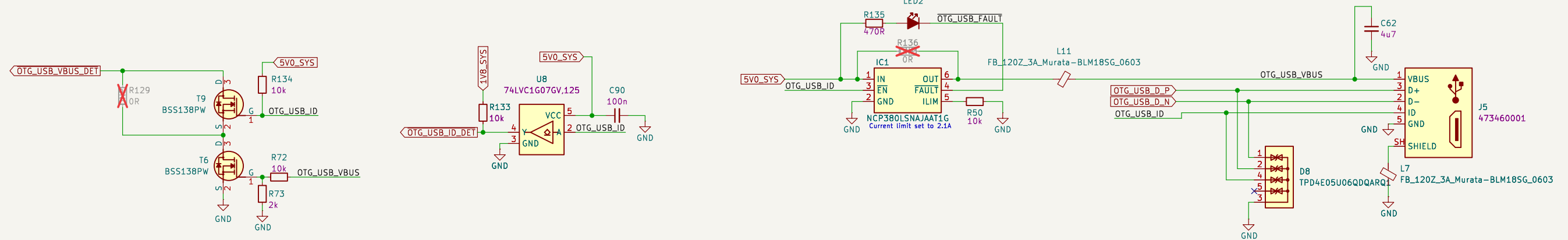
USB



OTG/Flash USB

| STATE | VBUS_DET | ID_DET |
|--------|----------|--------|
| DISC | HIGH-Z | HIGH |
| HOST | HIGH-Z | LOW |
| DEVICE | LOW | HIGH |

| VBUS | ID | STATE |
|------|------|--------|
| LOW | HIGH | DISC |
| HIGH | LOW | HOST |
| HIGH | HIGH | DEVICE |



Debug UART

