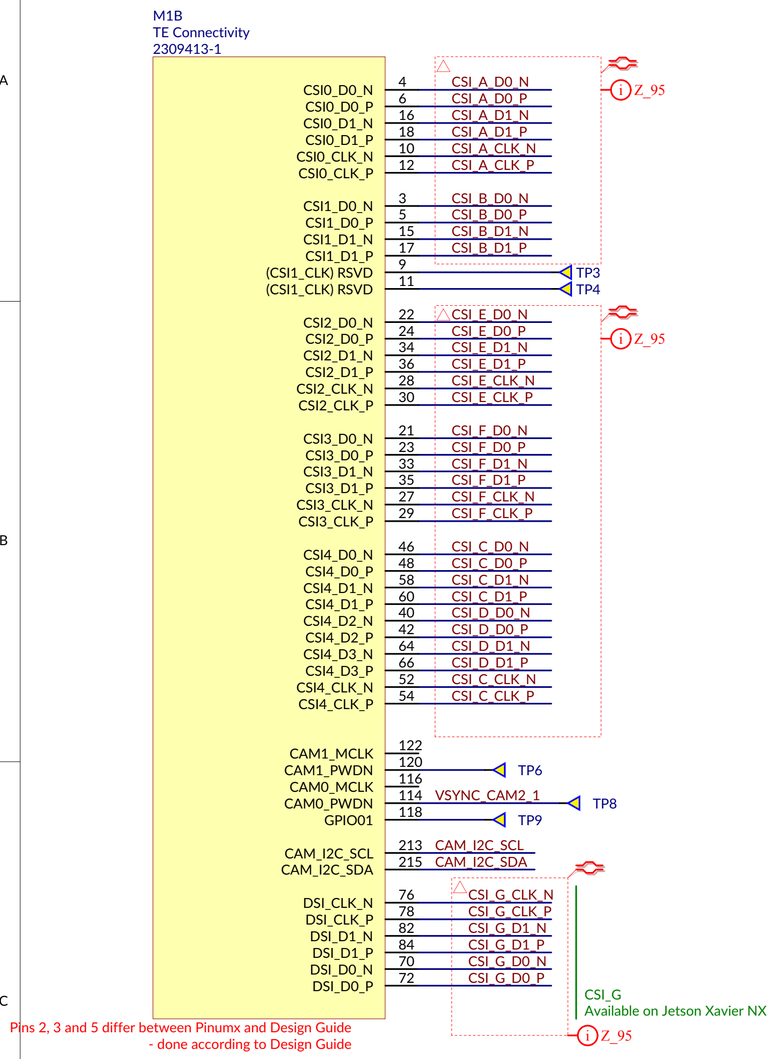
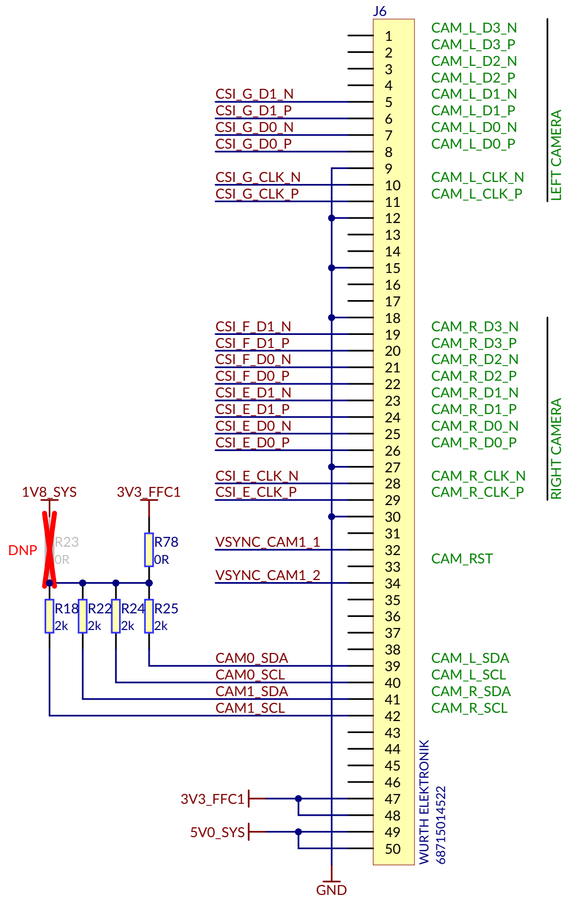
## SoM interface

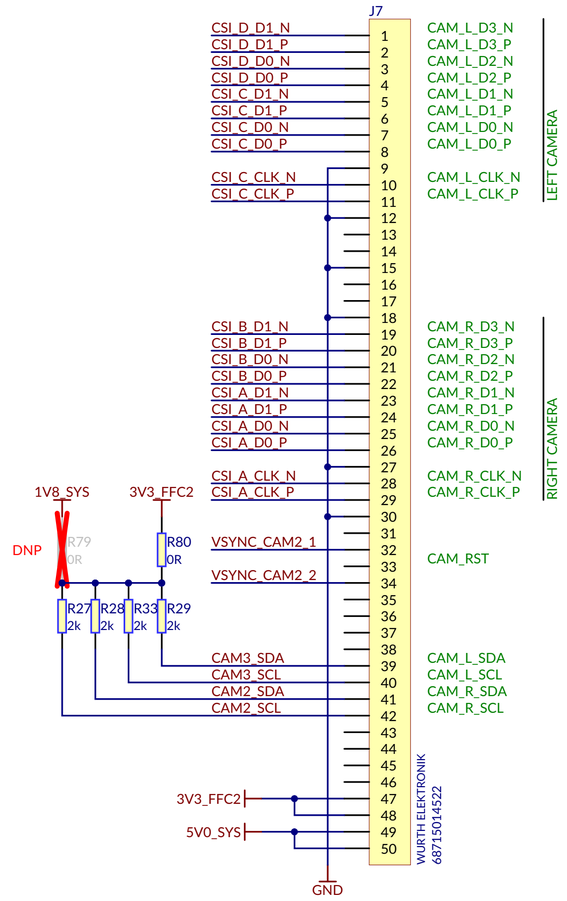



Pins 2, 3 and 5 differ between Pinumx and Design Guide
- done according to Design Guide

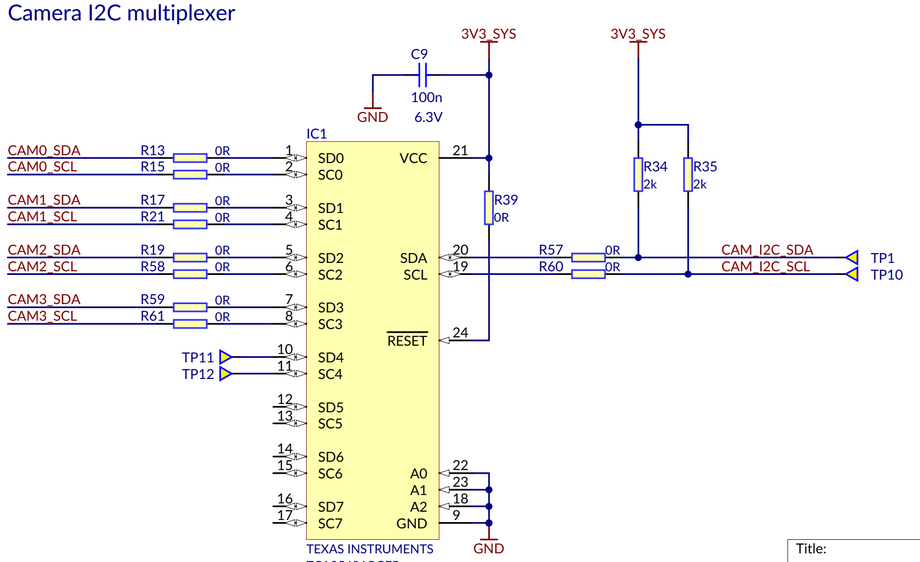
## Camera FFC #1




## Camera FFC #2




## Camera I2C multiplexer







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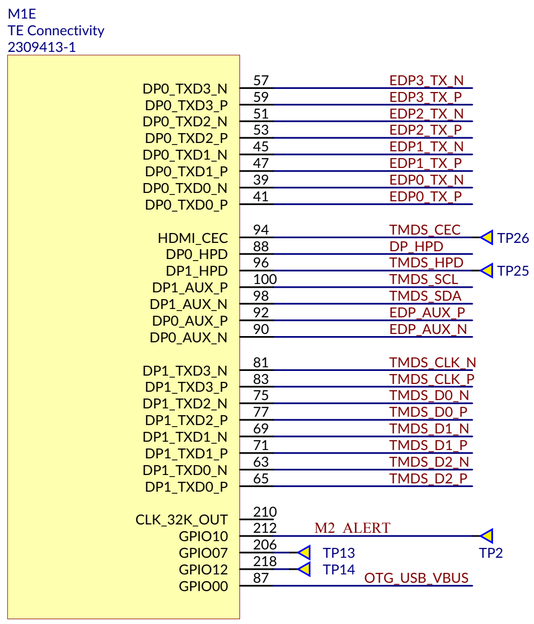
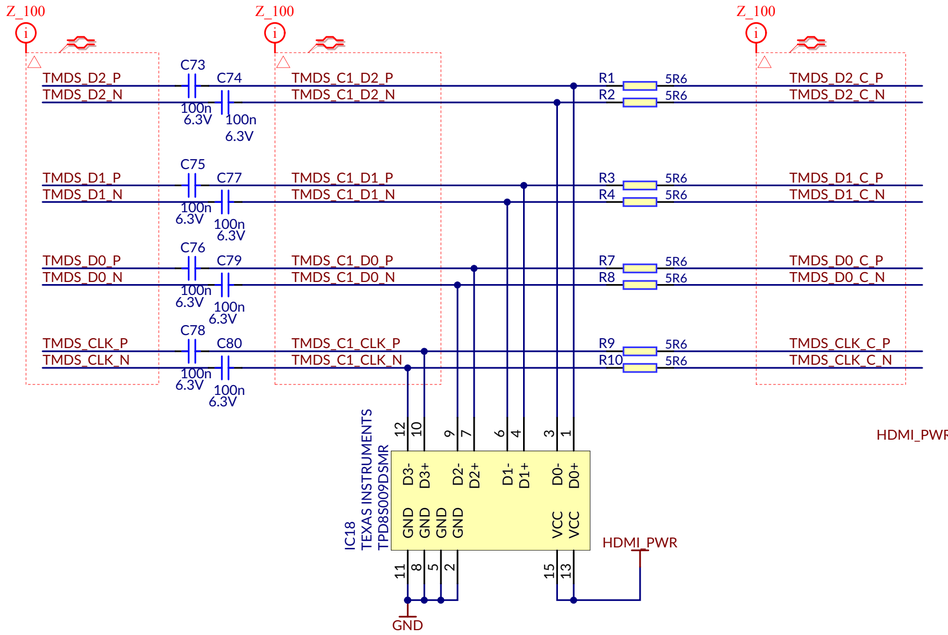
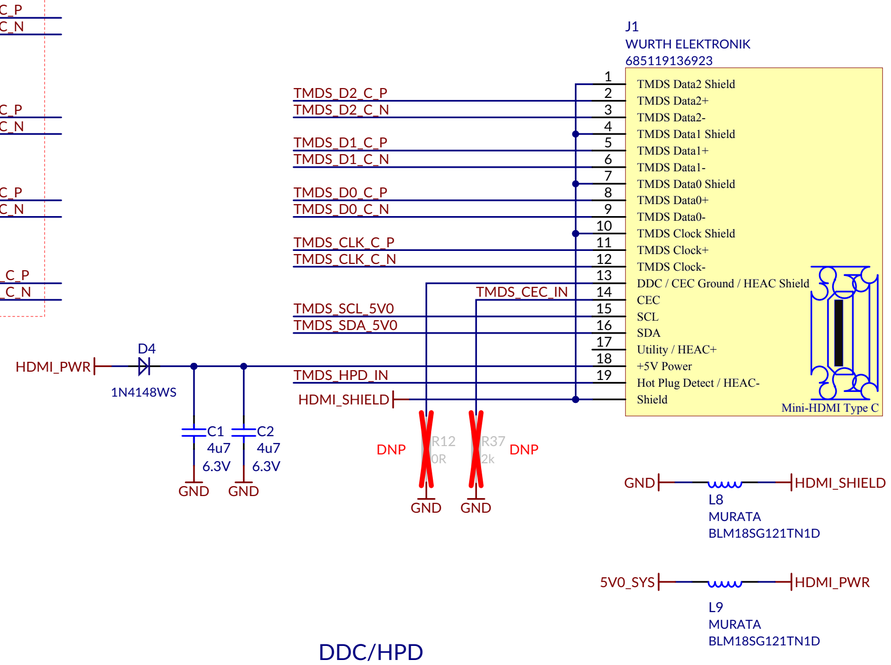


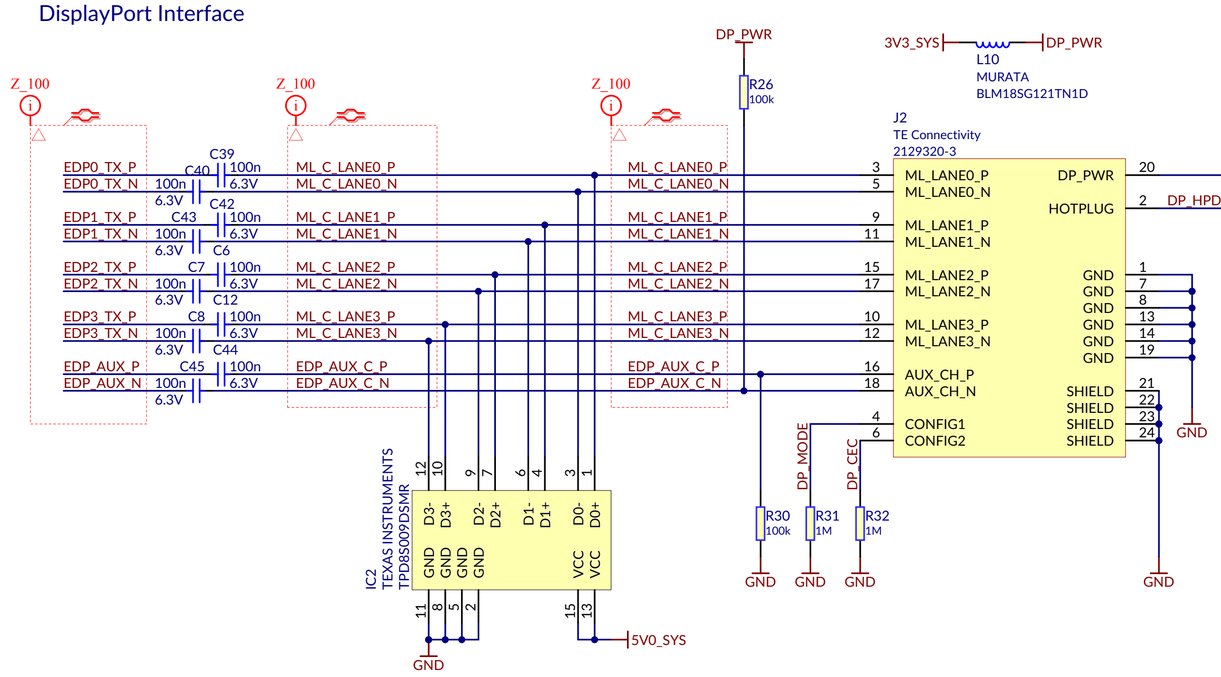

## HDMI Interface



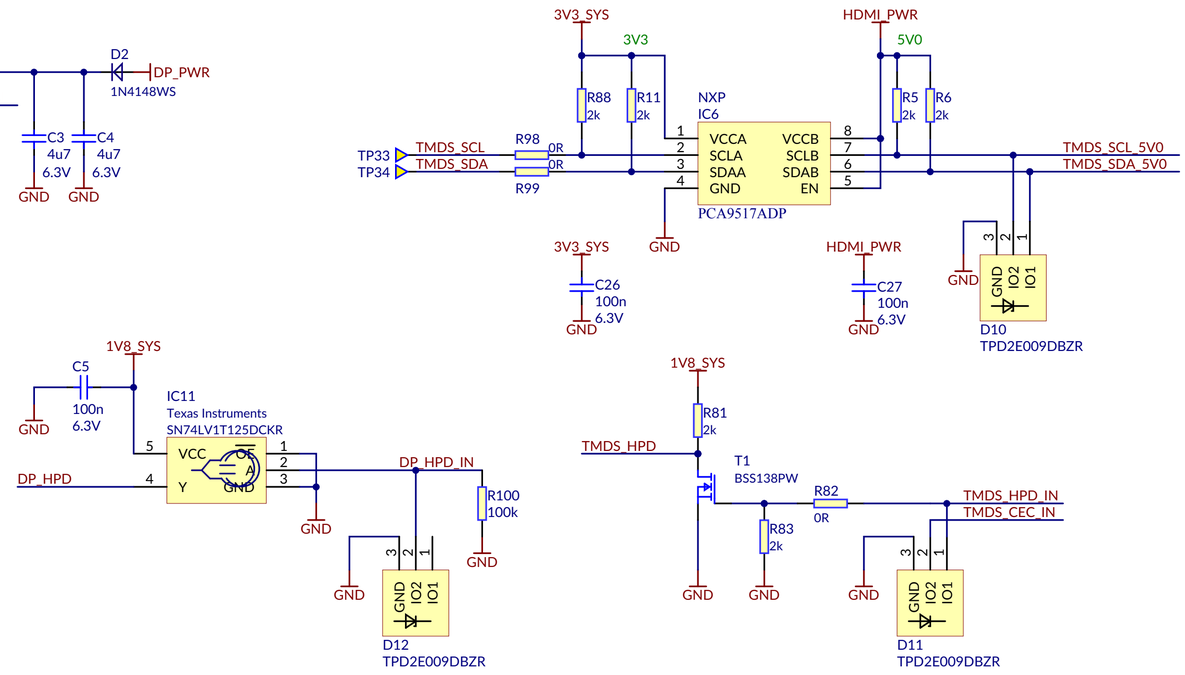

## HDMI Connector




## DisplayPort Interface




## DDC/HPD

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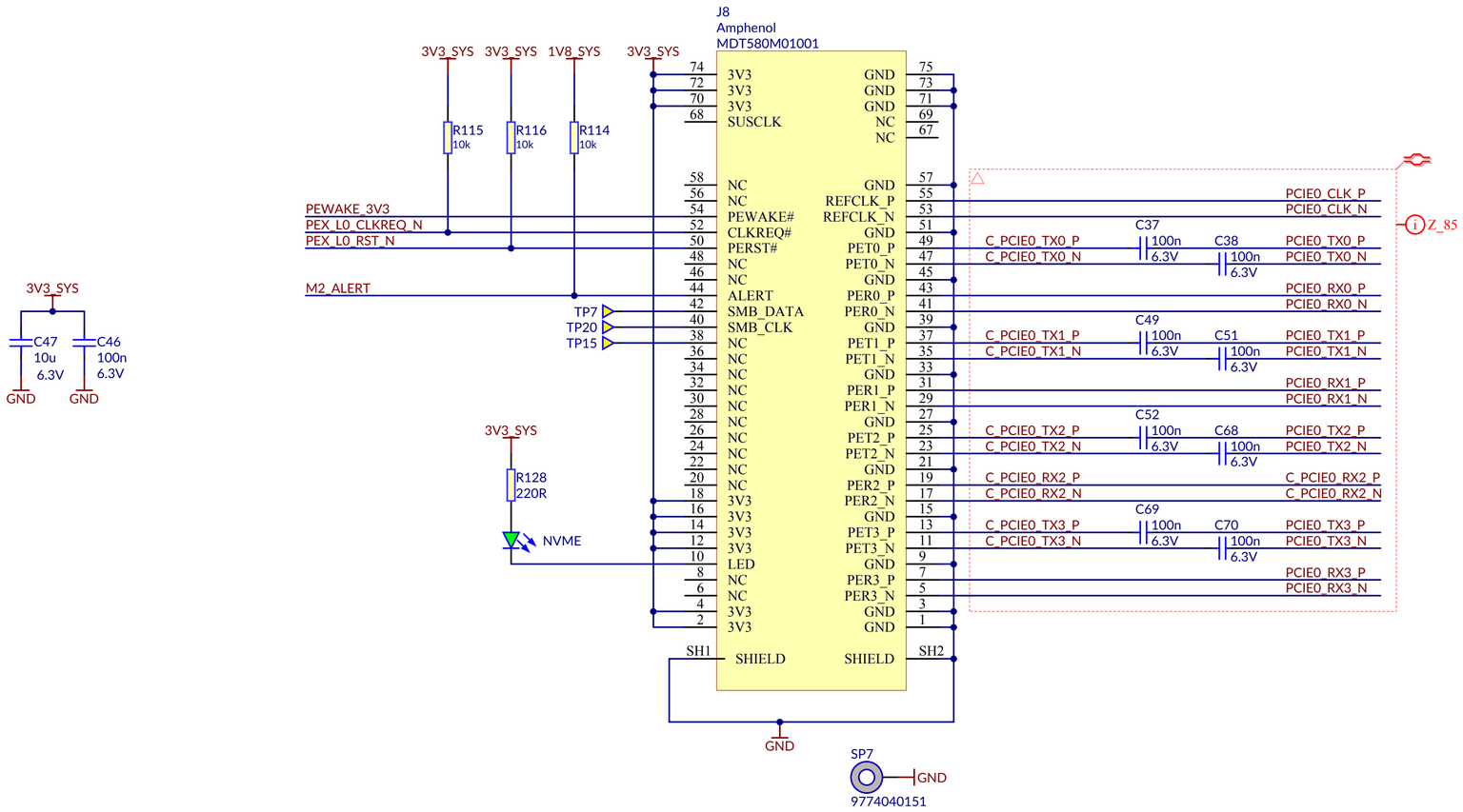
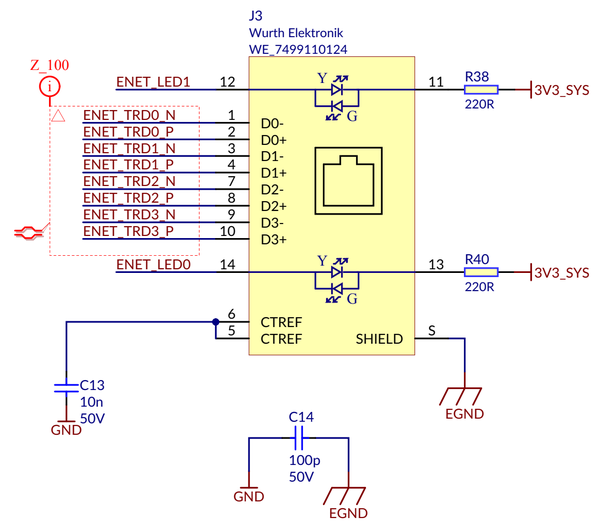
## M.2 PCIe Interface




## Ethernet interface

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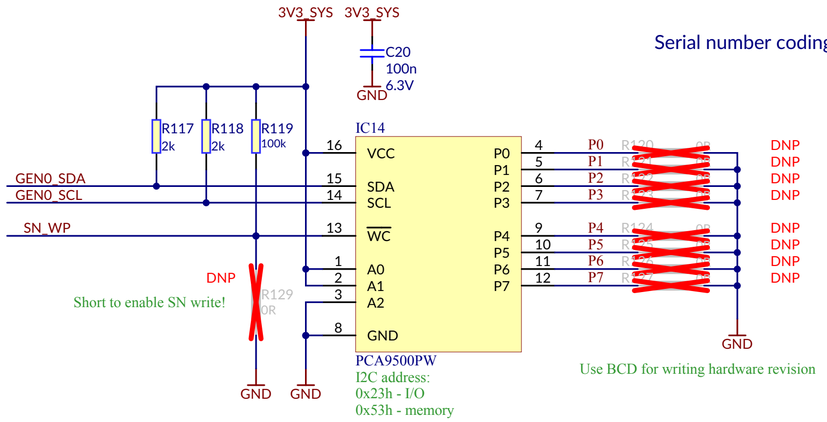
## GPIO expander



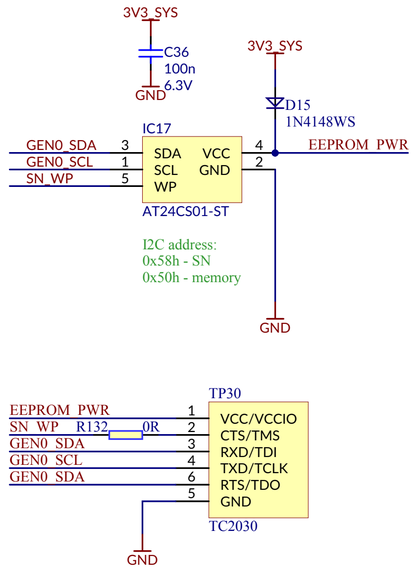

## Serial number coding




Use BCD for writing hardware revision

## EEPROM with Unique ID

TX2 uses RM24C128

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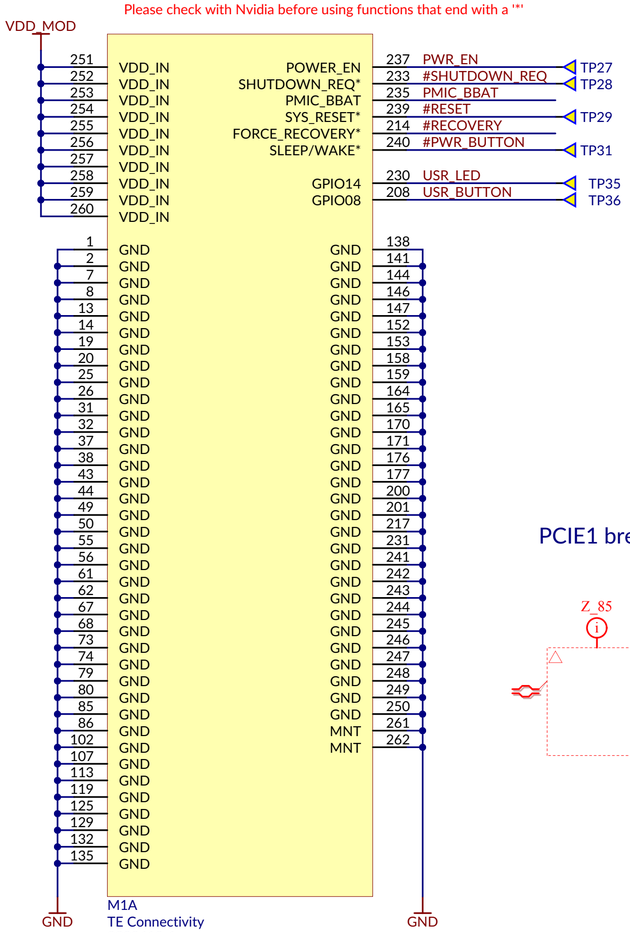
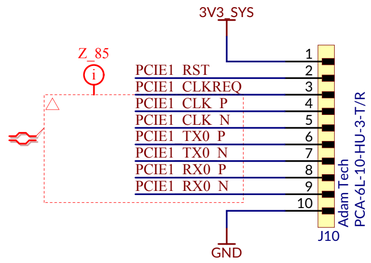
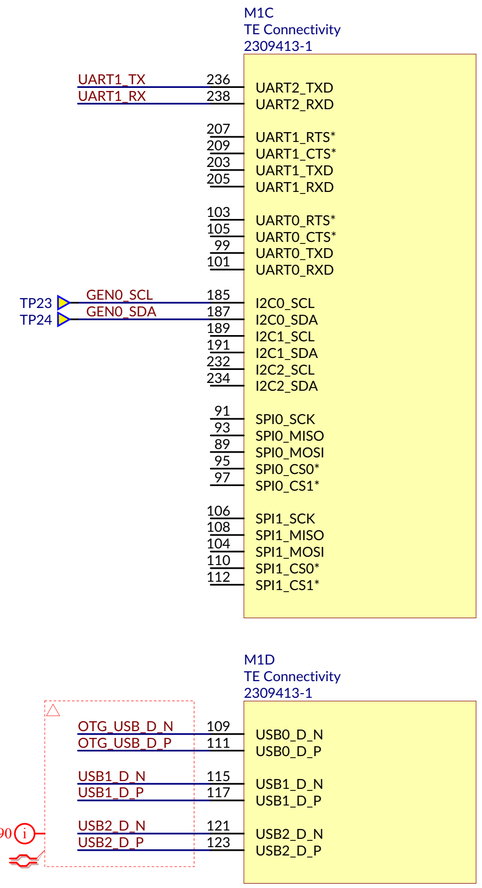
## SoM interfaces

Please check with Nvidia before using functions that end with a '*'



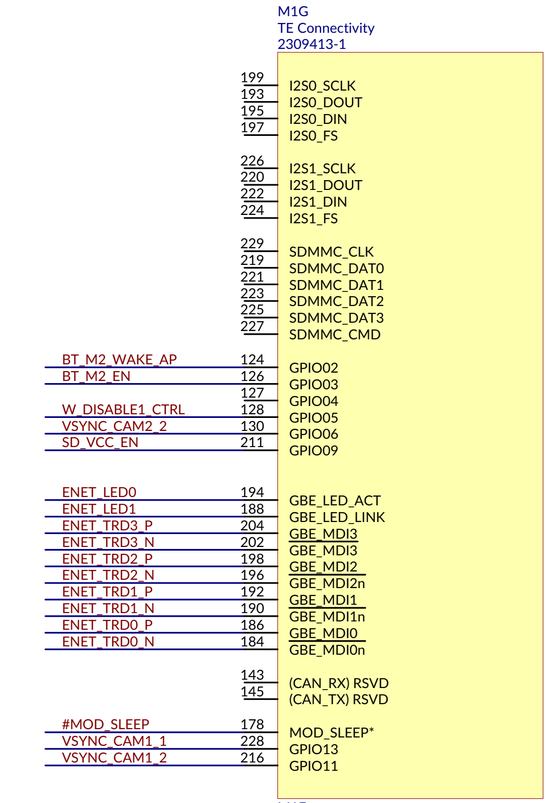

## PCIE1 breakout

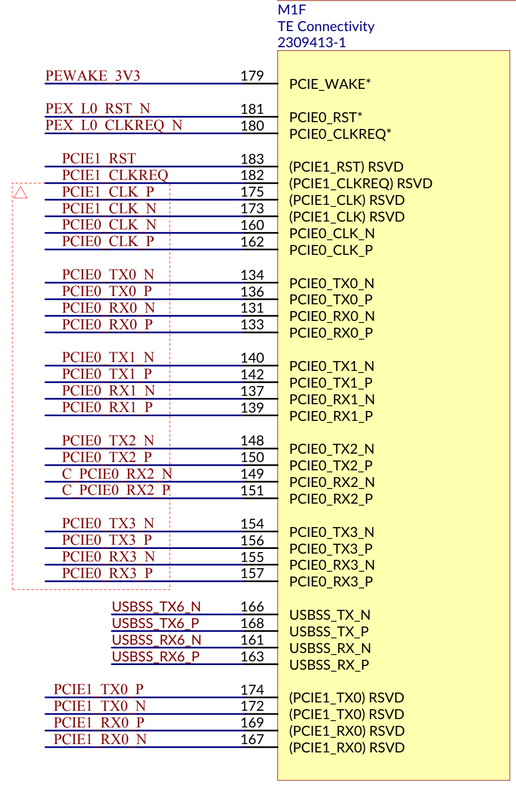


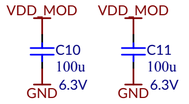


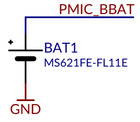




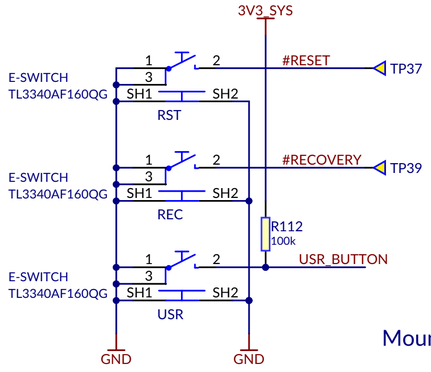




## Bypass Capacitors

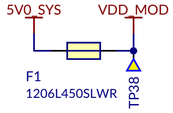


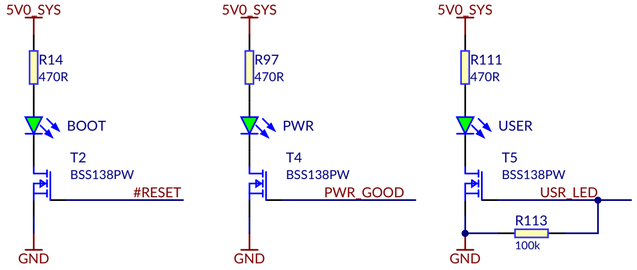

## System Buttons



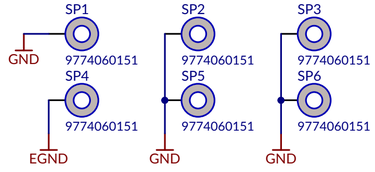

## Module power




## System Status




## Mounting studs




## Mechanical model

M2

Jetson Nano

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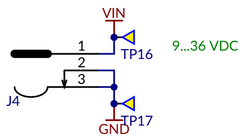
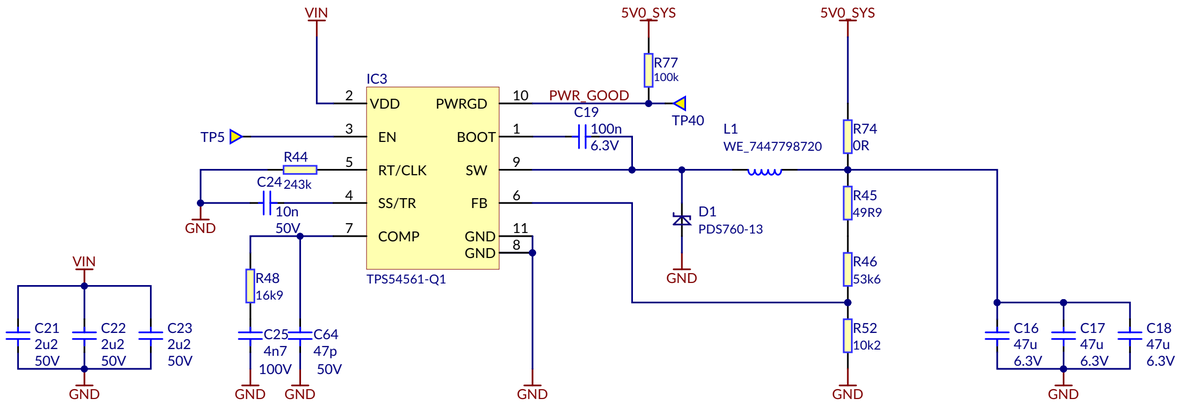
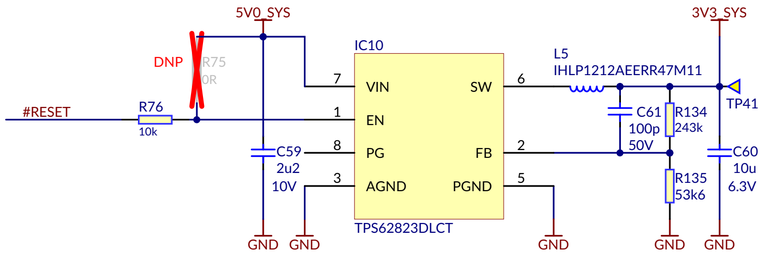
## Power input



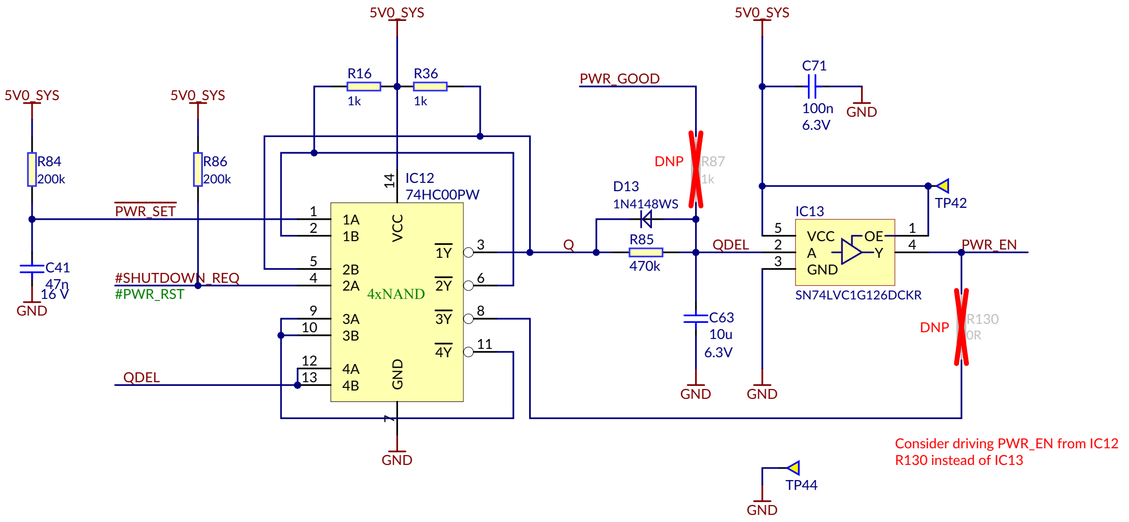

## Main DC/DC



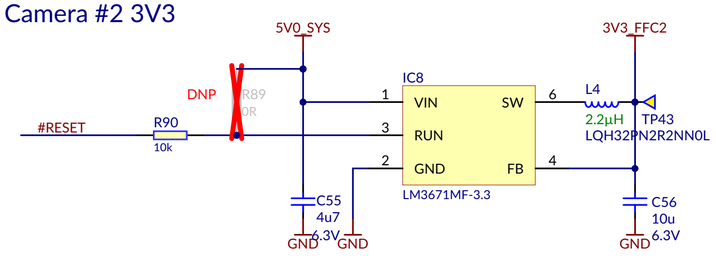

## System 3V3



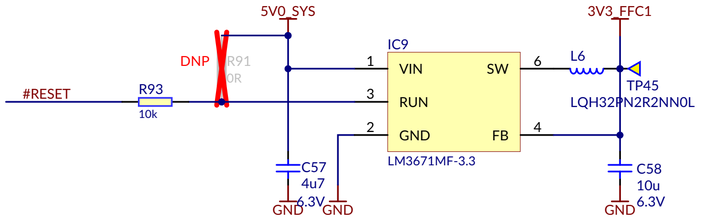

## Power sequencer



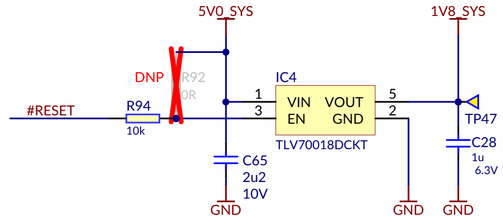

## Camera #2 3V3



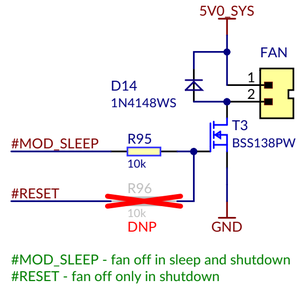

## Camera #1 3V3




## System 1V8




## FAN 5V




#MOD_SLEEP - fan off in sleep and shutdown
#RESET - fan off only in shutdown

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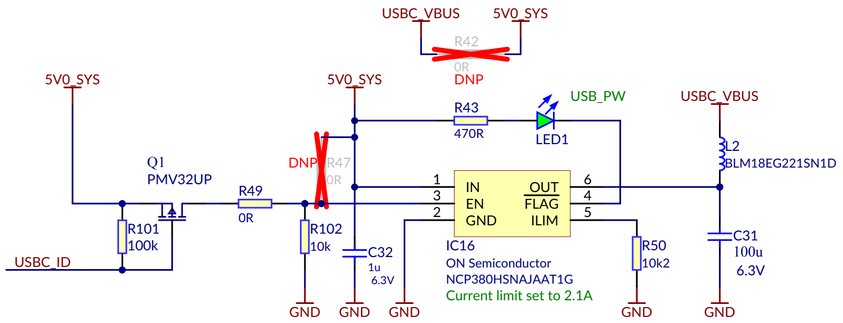
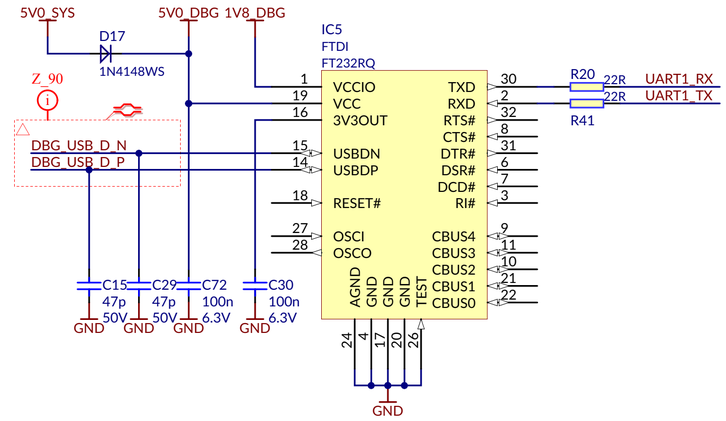
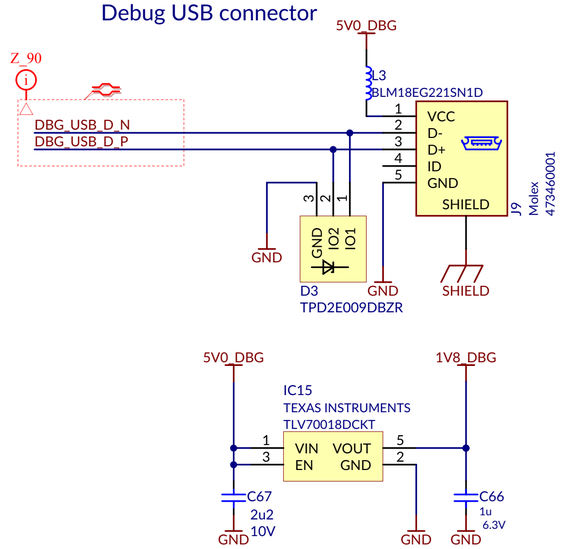
## USB Load Switch




## Debug UART

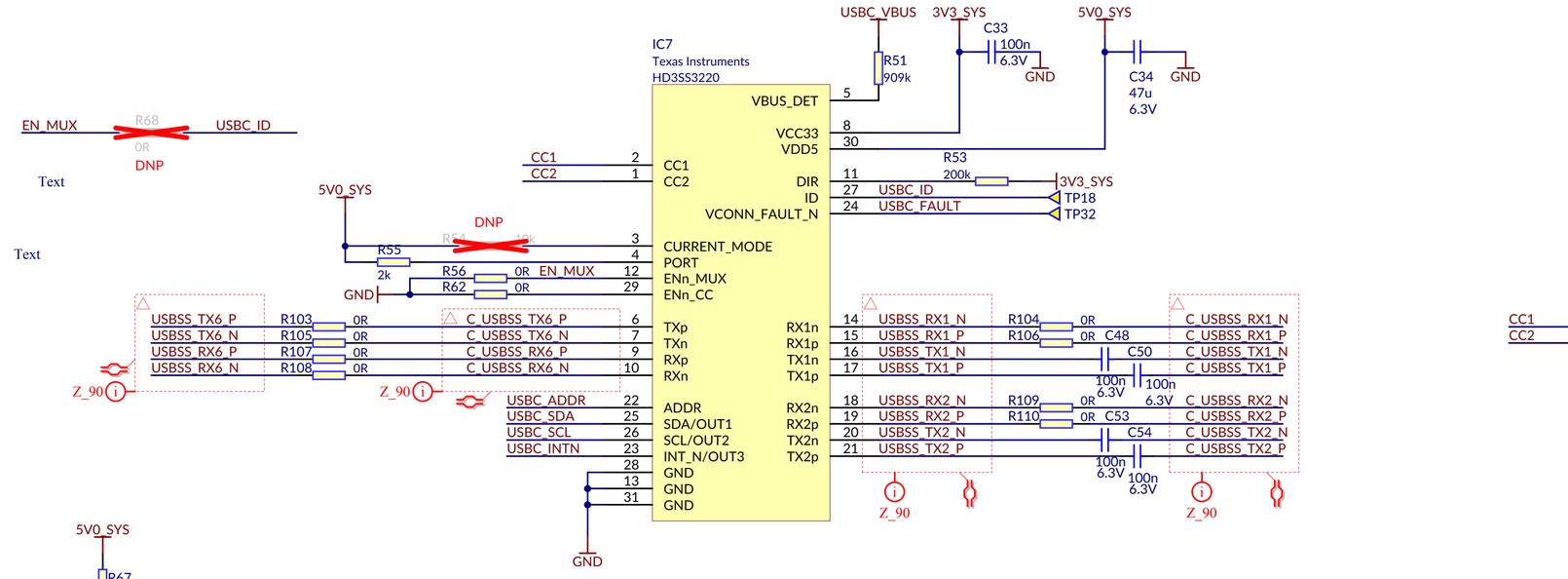



## Debug USB connector

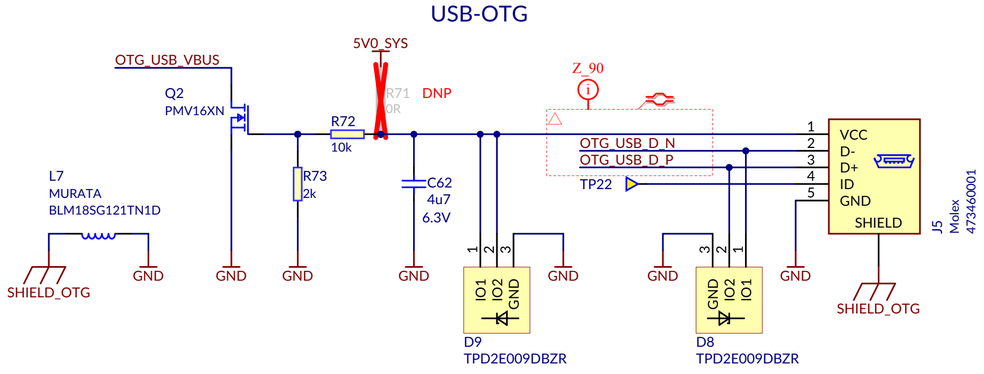



With D17 there's no need to separate 1V8_DBG from 1V8_SYS

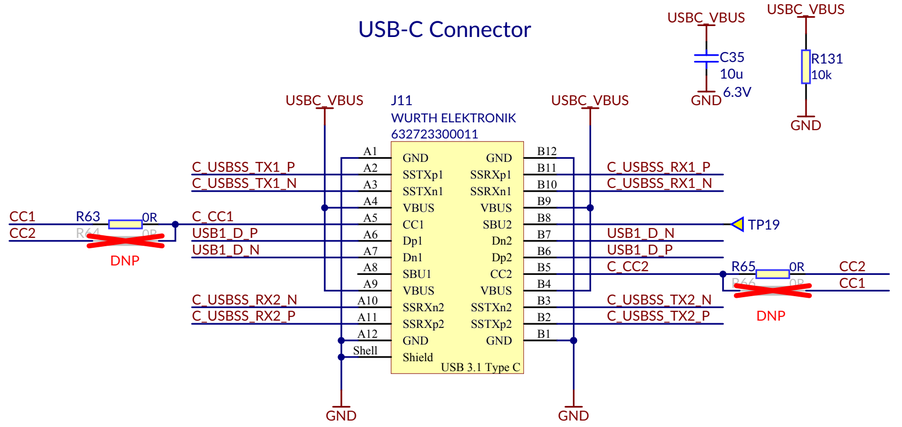
## USB-C Multiplexer




## USB-OTG




## USB-C Connector

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