

# Jetson Orin Baseboard Storage Expansion

Expansion Connector



File: expansion-conn.kicad\_sch

M.2



File: m-2.kicad\_sch

USB and SD Card



File: sd.kicad\_sch



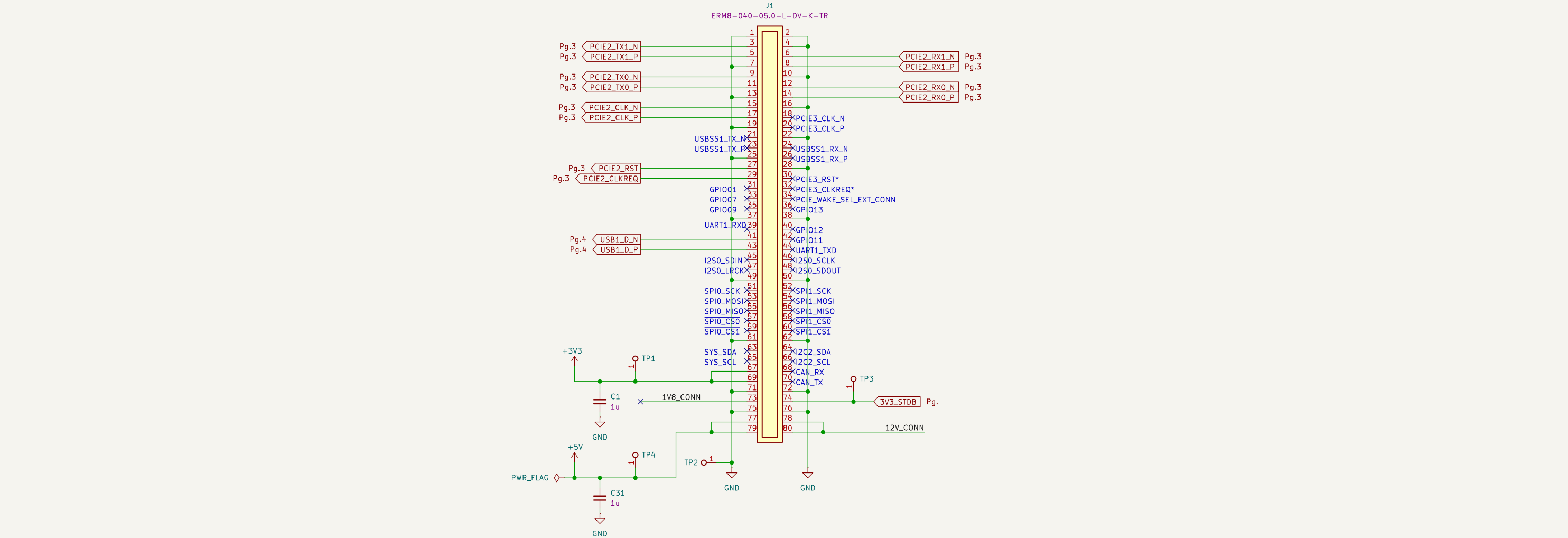
Antmicro Ltd

Sheet: /  
File: jetson-orin-baseboard-storage-expansion.kicad\_sch

**Title: Jetson Orin Baseboard Storage Expansion**

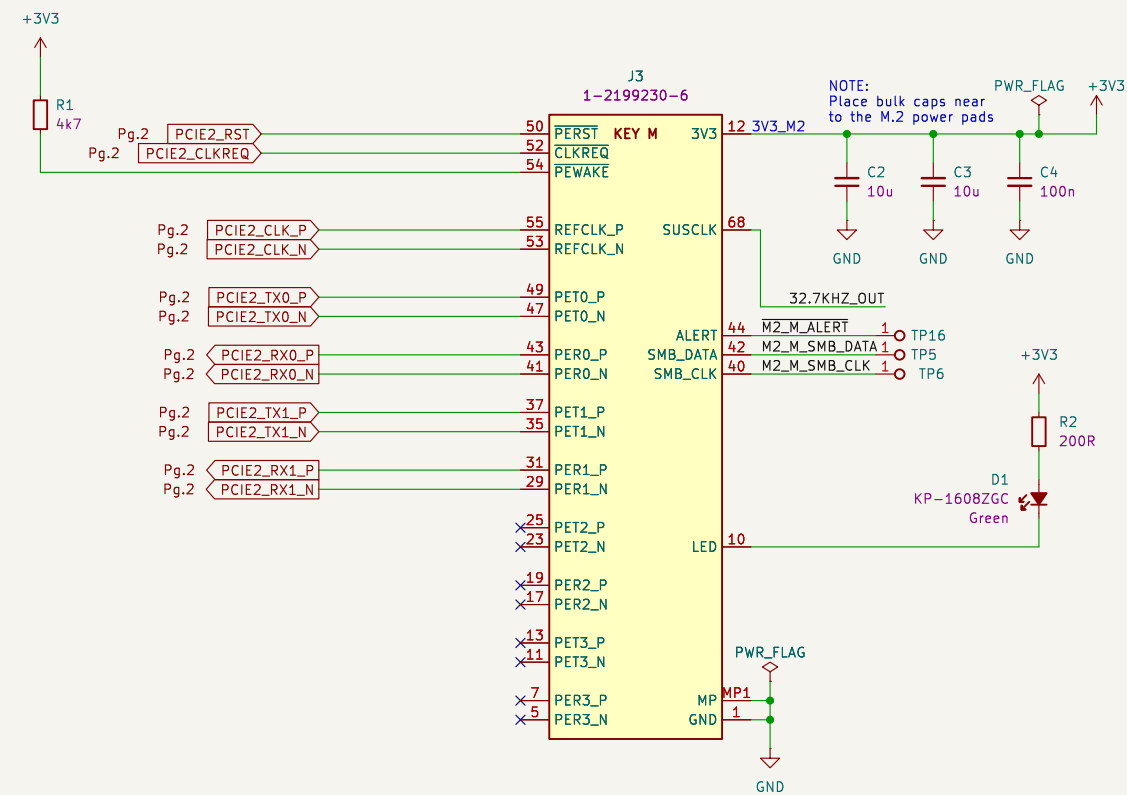
Size: A3	Date: 2024-08-20	Rev: 1.2.0:668b5
KiCad E.D.A. kicad-cli 7.0.11		Id: 1/4

Expansion connector

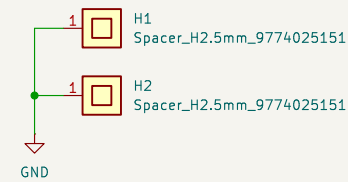


## M.2 connector

PCIe WAKE# Open Drain with pull up  
on platform. Active Low



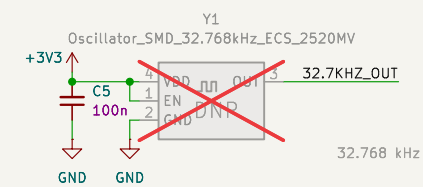
## M.2 spacers



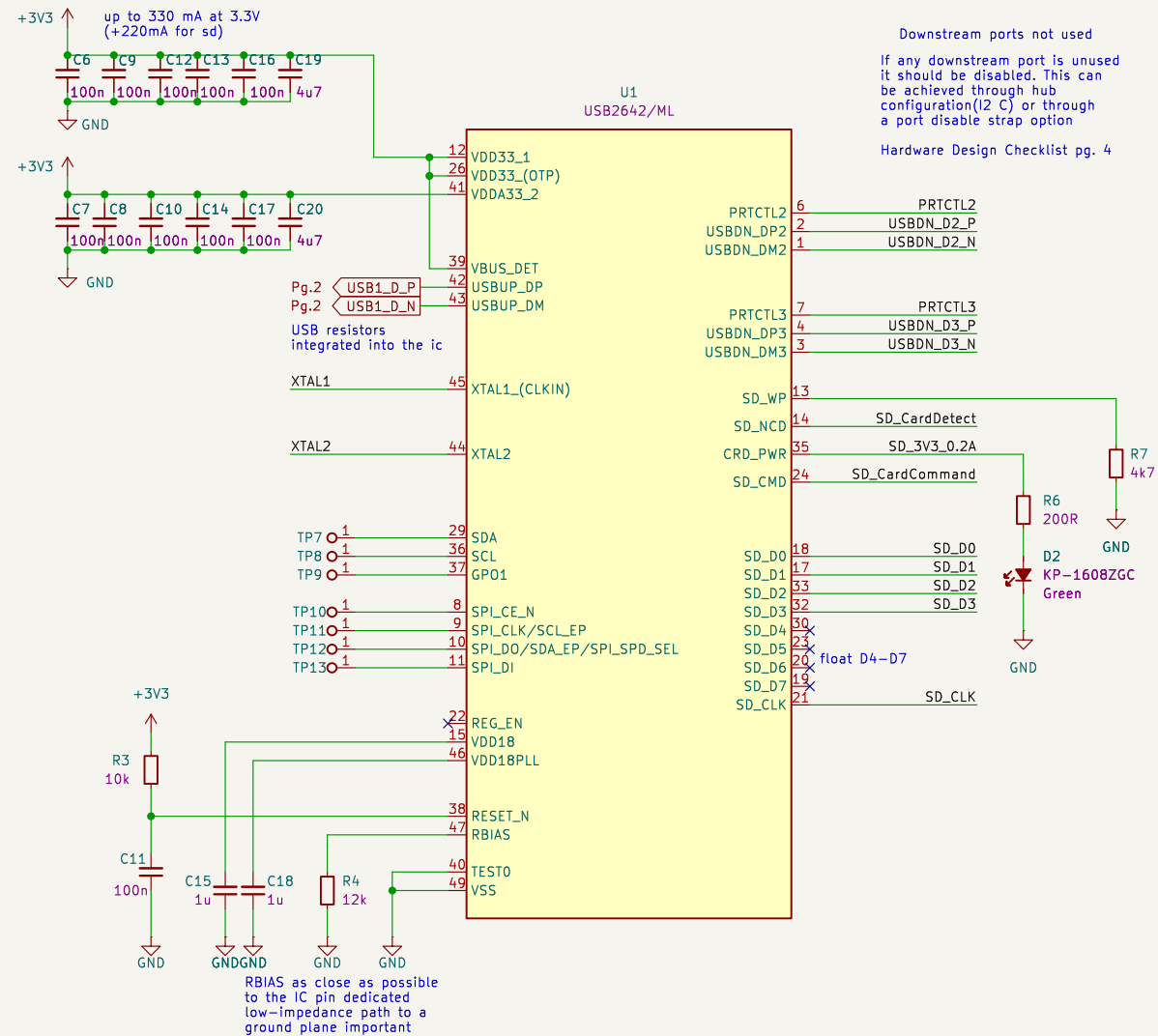
Spacers for 2 lane NVMe M.2 drives  
Support for the 2280 and 2242 disk sizes

## SUSCLK SOURCE

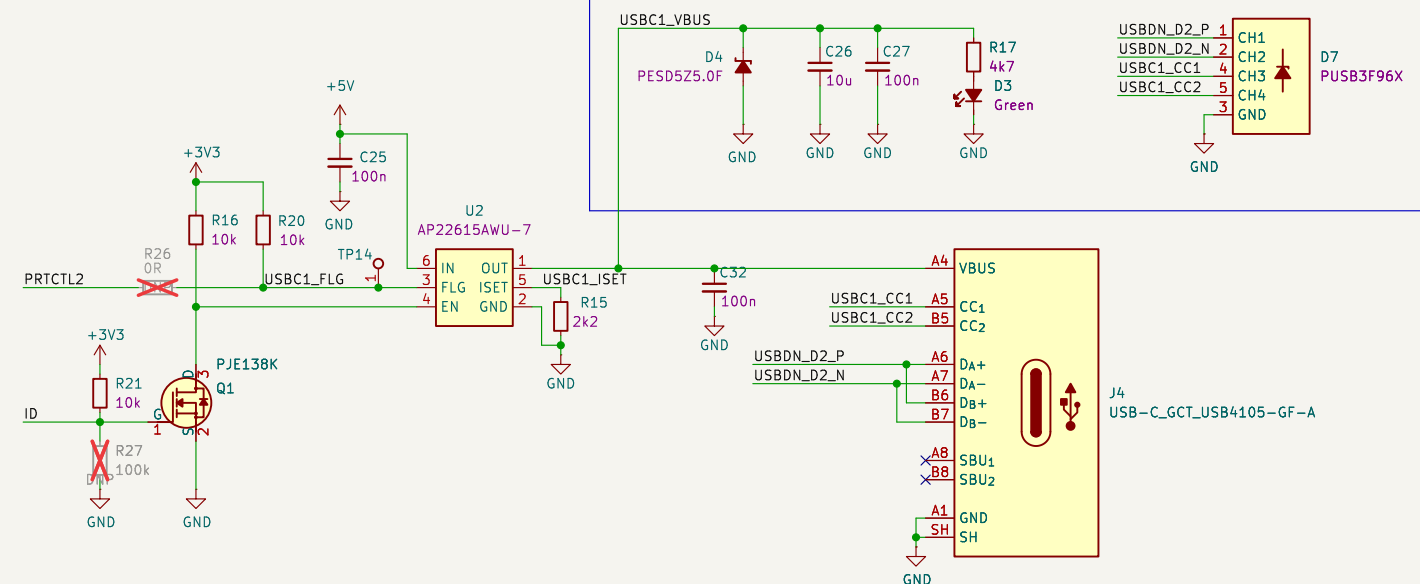
NOTE: DNP  
32 kHz clock useful for card power-saving but not required



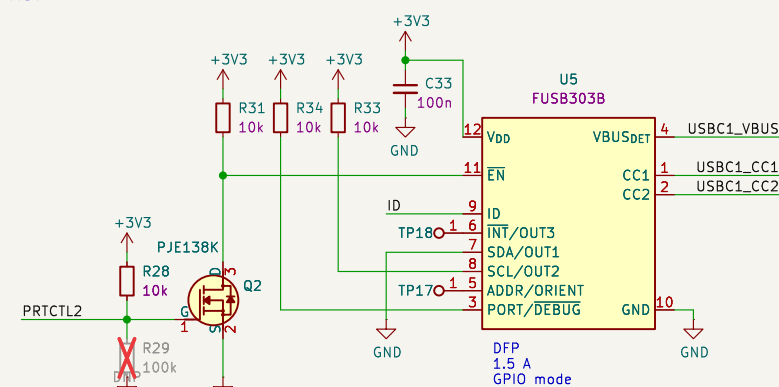
## USB 2.0 Flash Media Card Controller



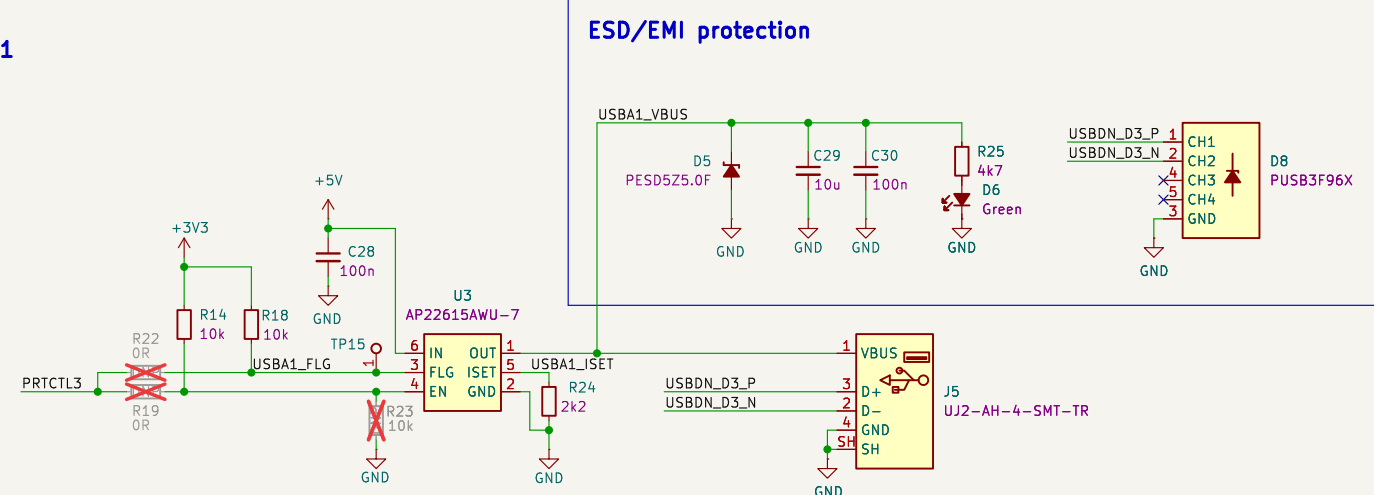
USB-C 1



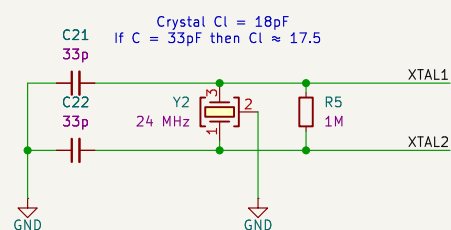
## USB-C 1 CC controller



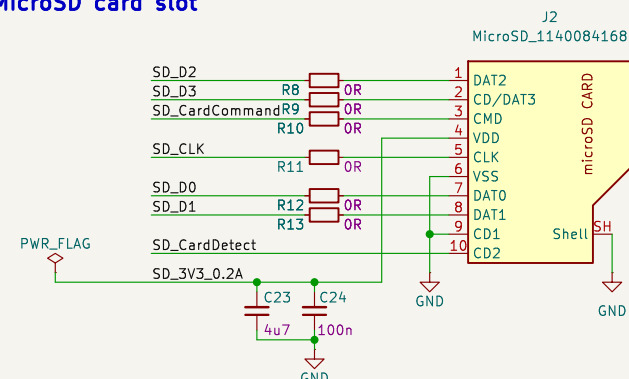
USB-A 1



### Clock circuit



**MicroSD card slot**



CRD\_PWR is capable of supplying up to 200 mA continuously to the attached media. Fault protection will shut off if current exceeds the 200 mA



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Sheet: /USB and SD Card/  
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Size: A3	Date: 2024-08-20
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