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

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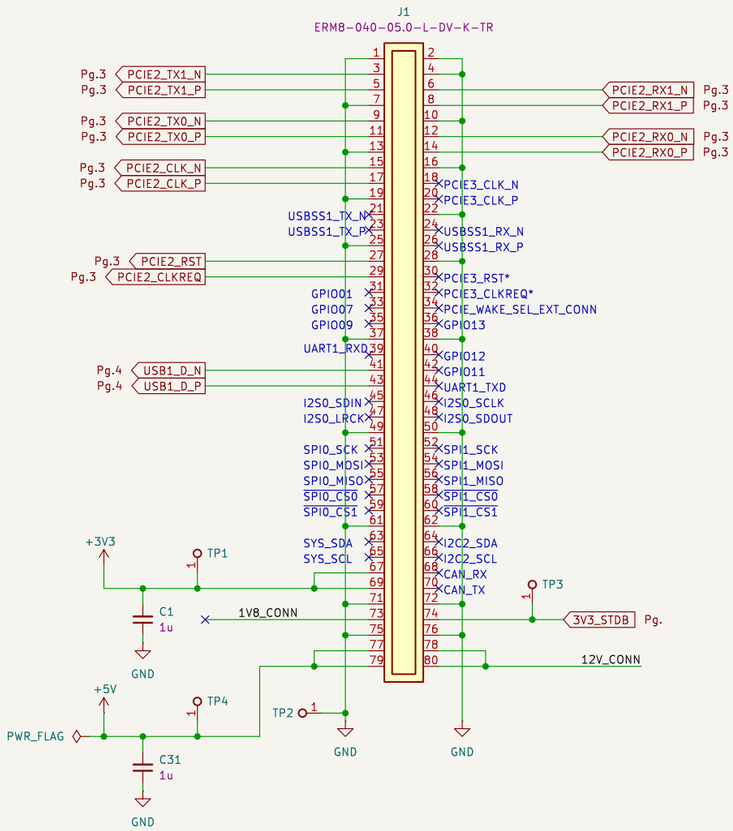
Sheet: /

File: jetson-orin-baseboard-storage-expansion.kicad_sch

Title: Jetson Orin Baseboard Storage Expansion

Size: A3	Date: 2024-10-15	**Rev: 1.2.1:a9010**
KiCad E.D.A. kicad-cli 7.0.11		Id: 1/4

Expansion connector



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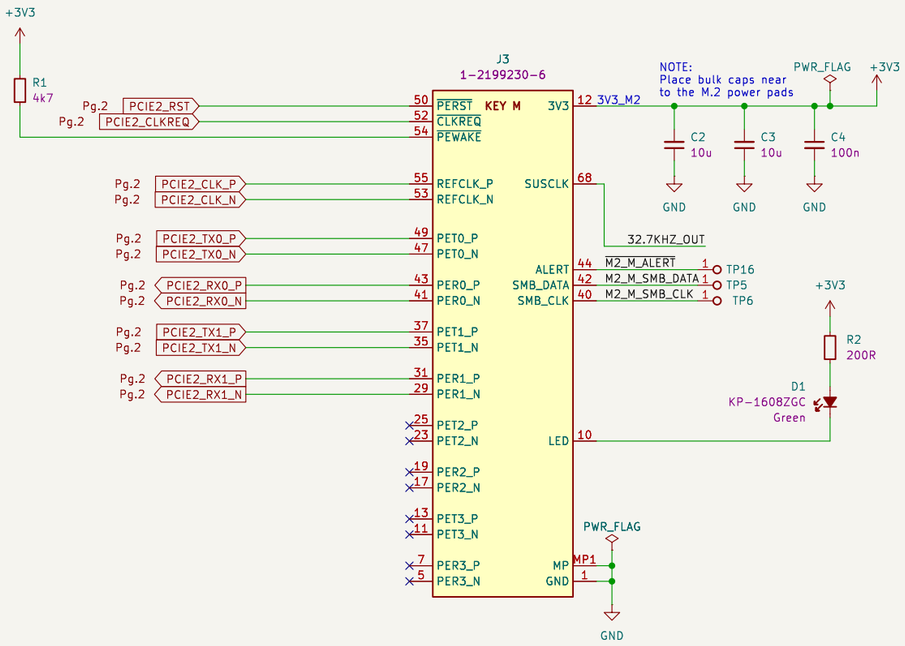
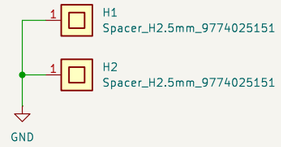
Sheet: /Expansion Connector/		
File: expansion-conn.kicad_sch		
Title: Jetson Orin Baseboard Storage Expansion		
Size: A3	Date: 2024-10-15	**Rev: 1.2.1:a9010**
KiCad E.D.A. kicad-cli 7.0.11		Id: 2/4

M.2 connector

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



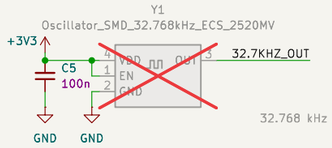
M.2 spacers



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



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Antmicro Ltd		
Sheet: /M.2/		
File: m-2.kicad_sch		
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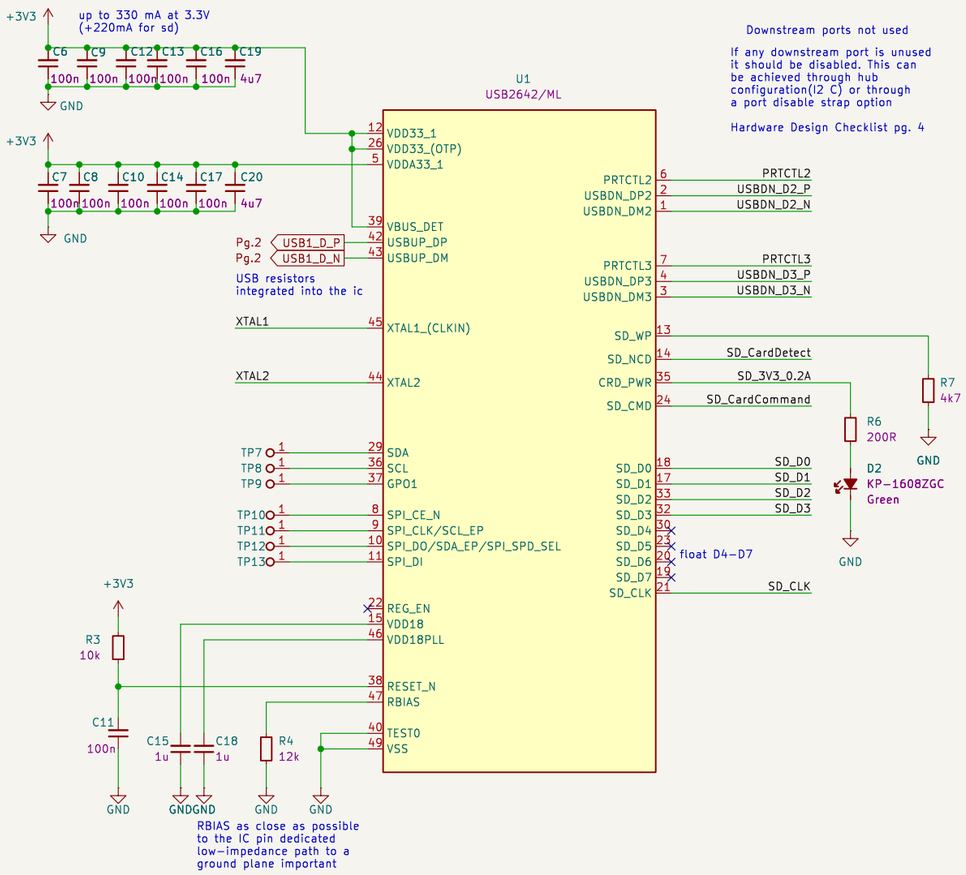
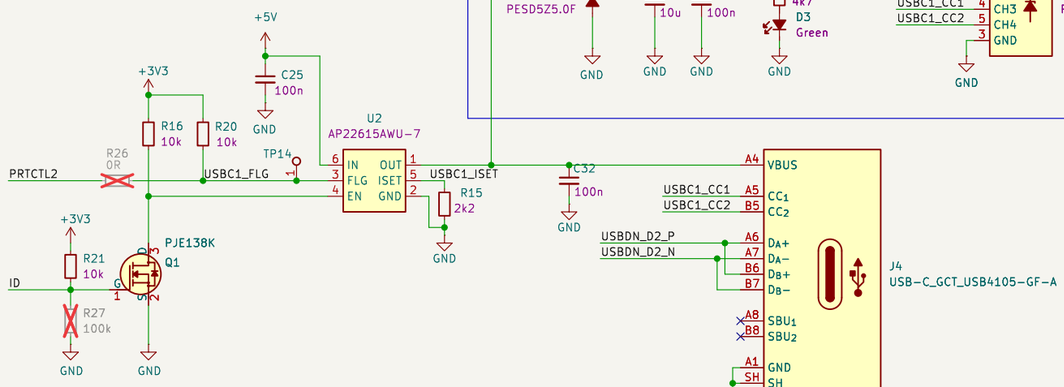
Size: A3	Date: 2024-10-15	**Rev: 1.2.1:a9010**
KiCad E.D.A. kicad-cli 7.0.11		Id: 3/4

USB 2.0 Flash Media Card Controller

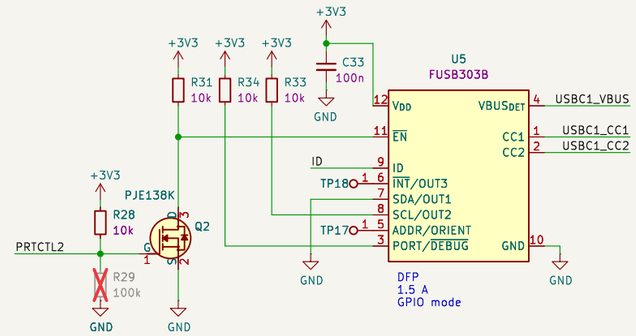


USB-C 1

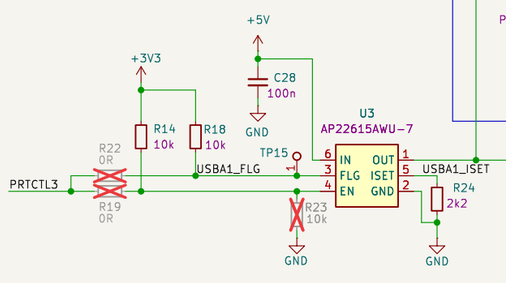


ESD/EMI protection

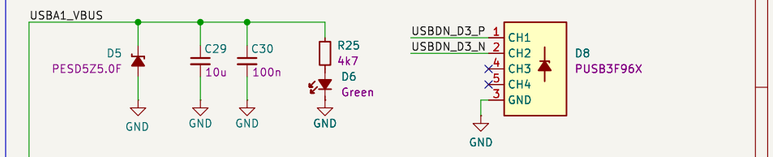
USB-C 1 CC controller



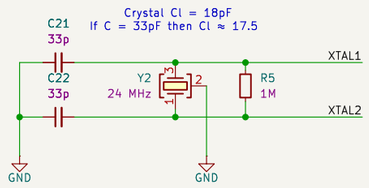
USB-A 1



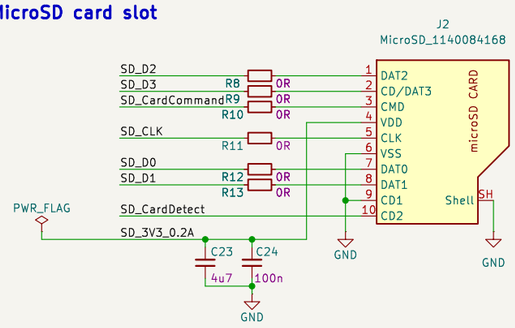
ESD/EMI protection



Clock circuit



MicroSD card slot



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Antmicro Ltd	
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Size: A3	Date: 2024-10-15
KiCad E.D.A. kicad-cli 7.0.11	Id: 4/4

Rev: 1.2.1:a9010