Thunderbolt – PCIe Adapter

Connectors

File: connectors.kicad_sch

Power

File: power.kicad_sch

Thunderbolt Controller – Power

File: tb-power.kicad_sch

TB Controller

File: tb.kicad_sch

FID1
Fiducial_1mm_Mask3mm

FID2
Fiducial_1mm_Mask3mm

FID3
Fiducial_1mm_Mask3mm

FID4
Fiducial_1mm_Mask3mm

FID5
Fiducial_1mm_Mask3mm

FID6
Fiducial_1mm_Mask3mm

FID7
Fiducial_1mm_Mask3mm

FID8
Fiducial_1mm_Mask3mm

Logo N1
antmicro_logo

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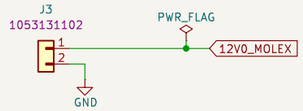
Sheet: /
File: thunderbolt-pcie-adapter.kicad_sch

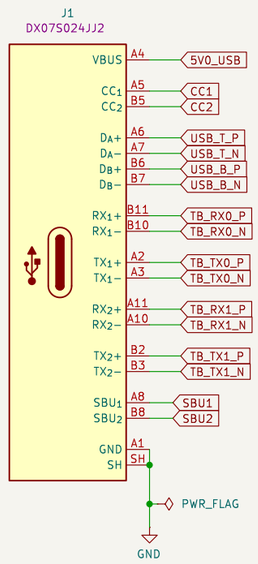
Title: Thunderbolt PCIe Adaper

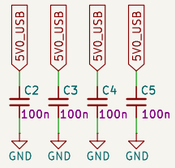
Size: A3	Date: 2023-08-09	**Rev: 1.0.2:255d7**
KiCad E.D.A. kicad-cli 7.0.11		Id: 1/5

+12V Molex Connector

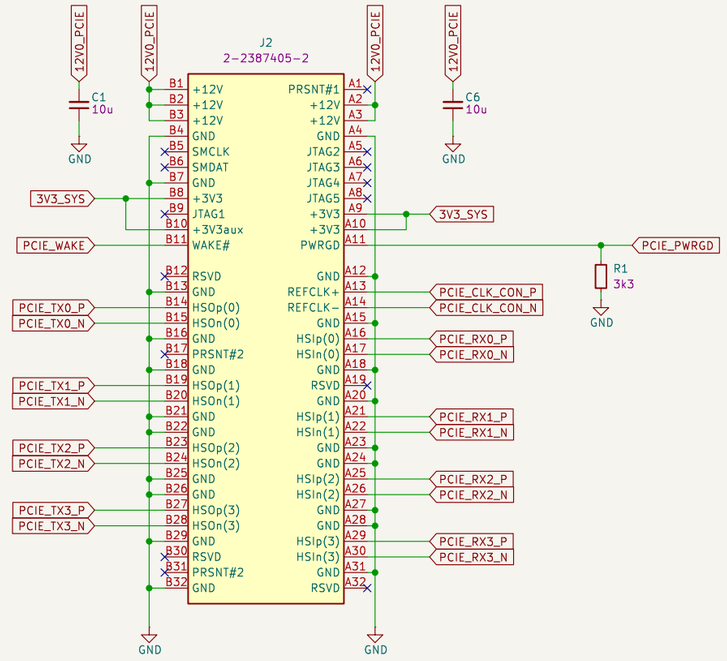


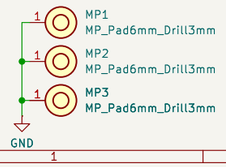
USB-C Connector





PCI Express Connector





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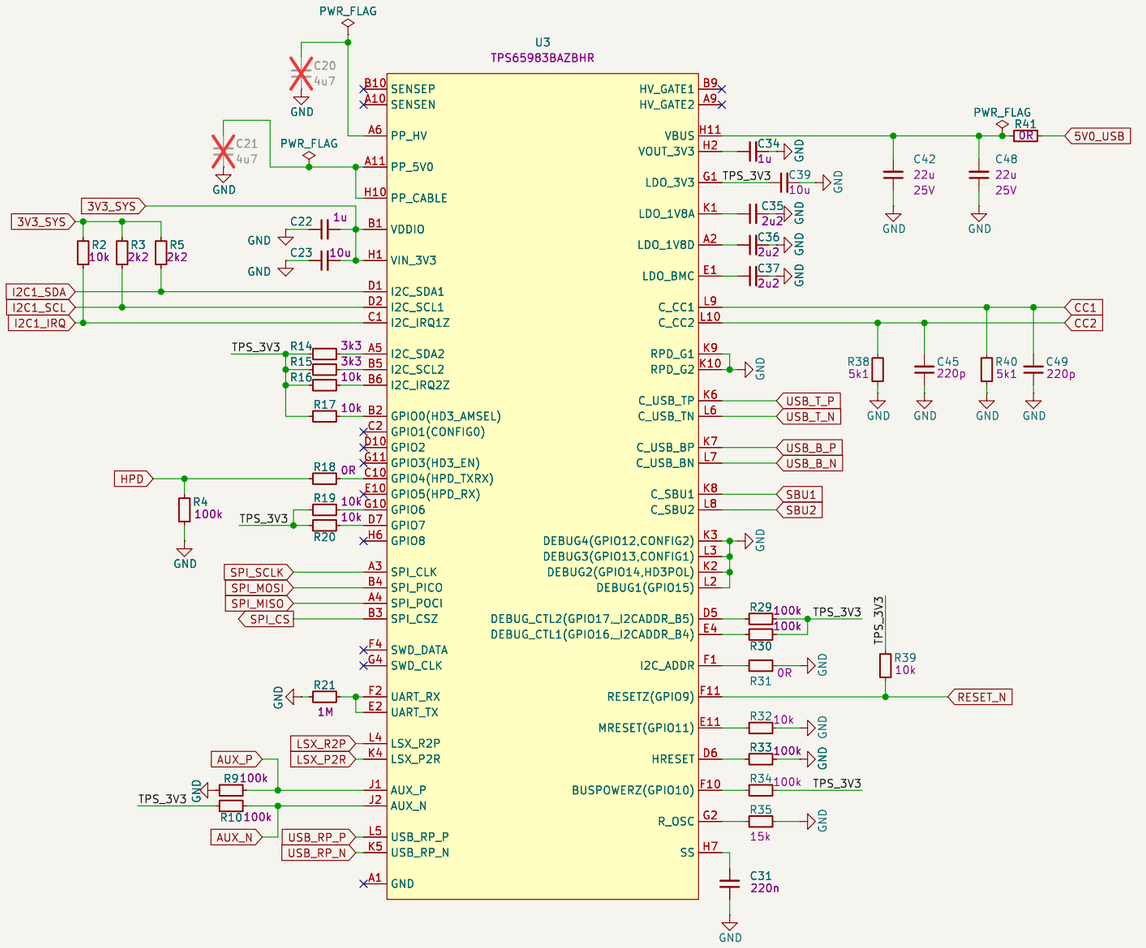
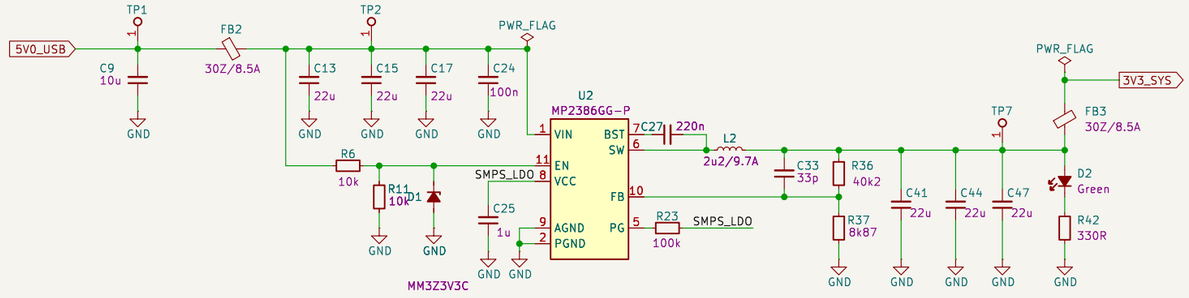
USB Power Delivery Controller

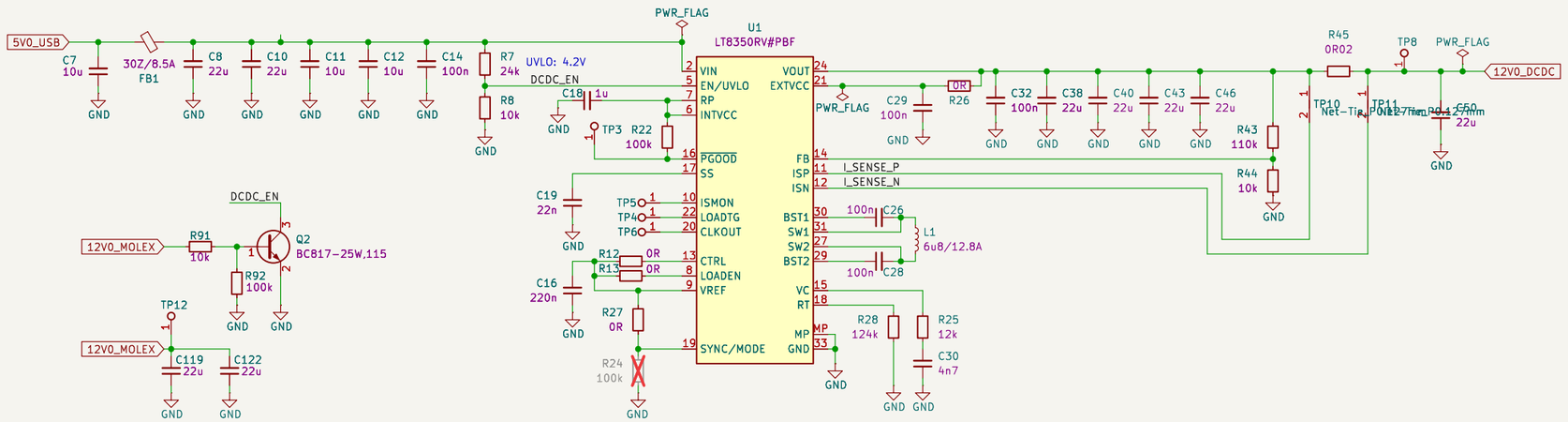


3V3 Buck Converter



Ideal diodes

12V Buck-Boost Converter



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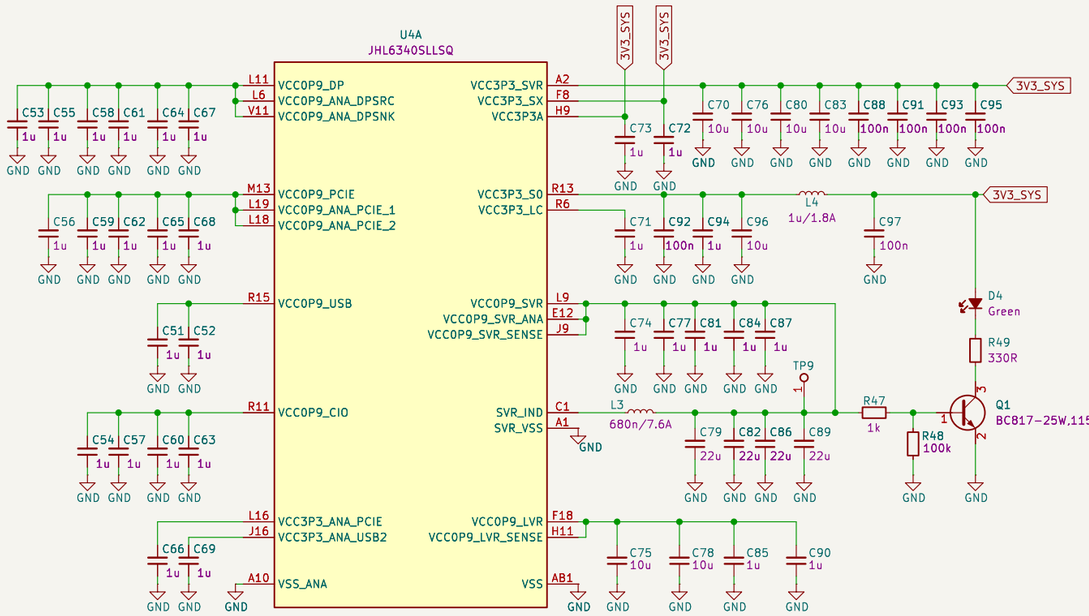
Sheet: /Power/
File: power.kicad_sch

Title: Thunderbolt PCIe Adaper

Size: A3	Date: 2023-08-09	**Rev: 1.0.2:255d7**
KiCad E.D.A. kicad-cli 7.0.11		Id: 3/5

Thunderbolt Controller — Power



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Title: Thunderbolt PCIe Adaper	
Size: A3 | Date: 2023-08-09	**Rev: 1.0.2:255d7**
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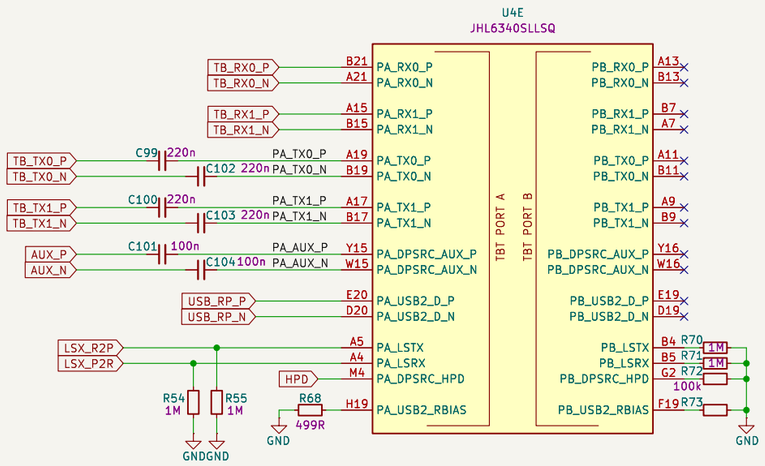
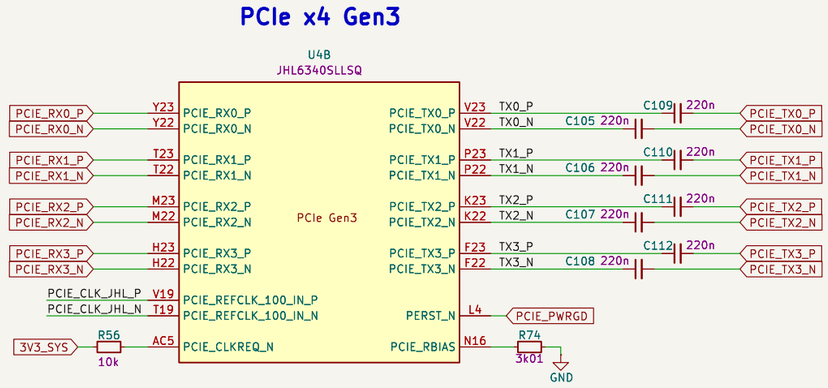
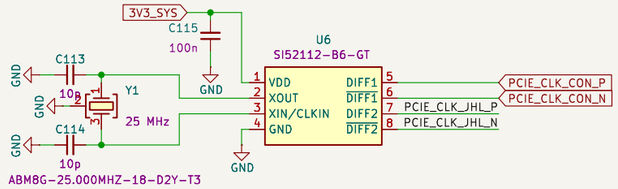
Thunderbolt Controller



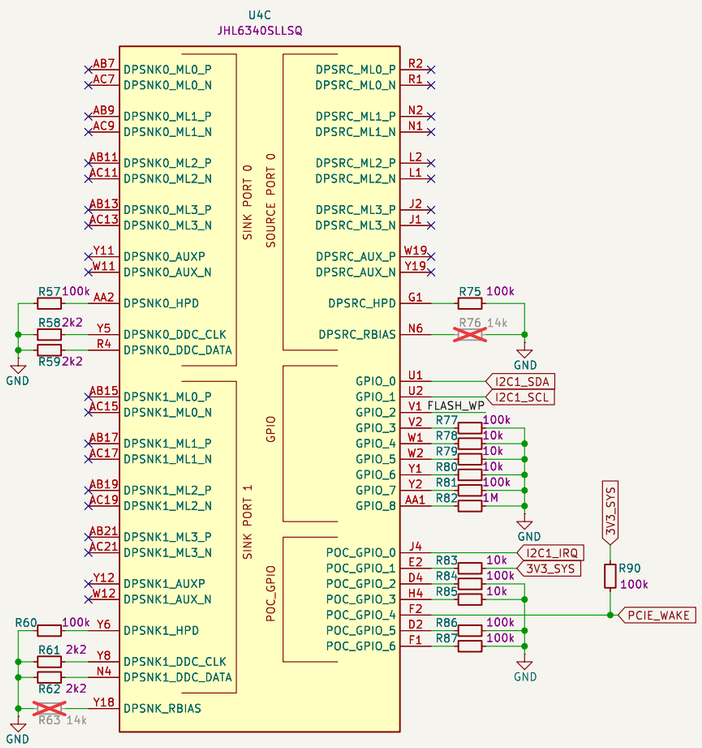
PCIe x4 Gen3



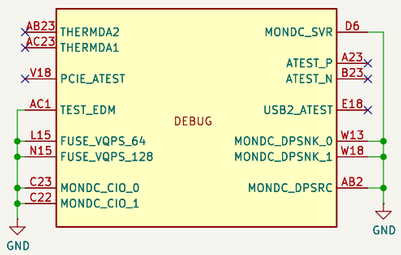
PCIe Clock Generator



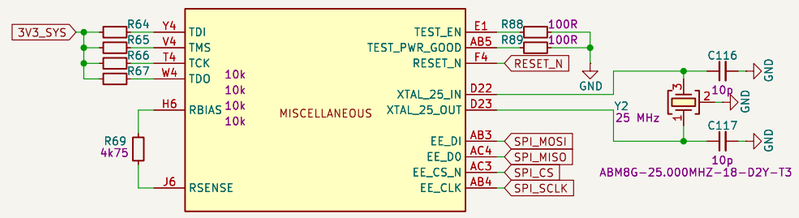
DisplayPorts



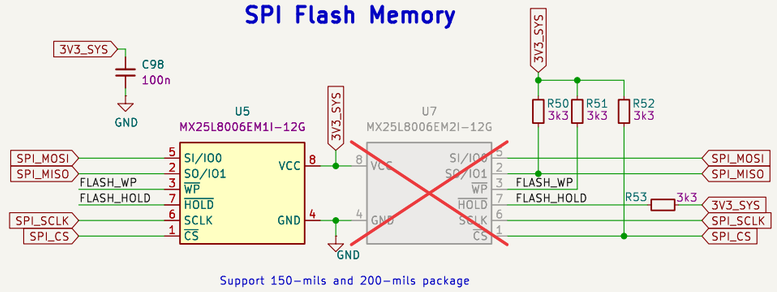
Thunderbolt Controller Debug



Thunderbolt Controller Misc



SPI Flash Memory



Support 150-mils and 200-mils package

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