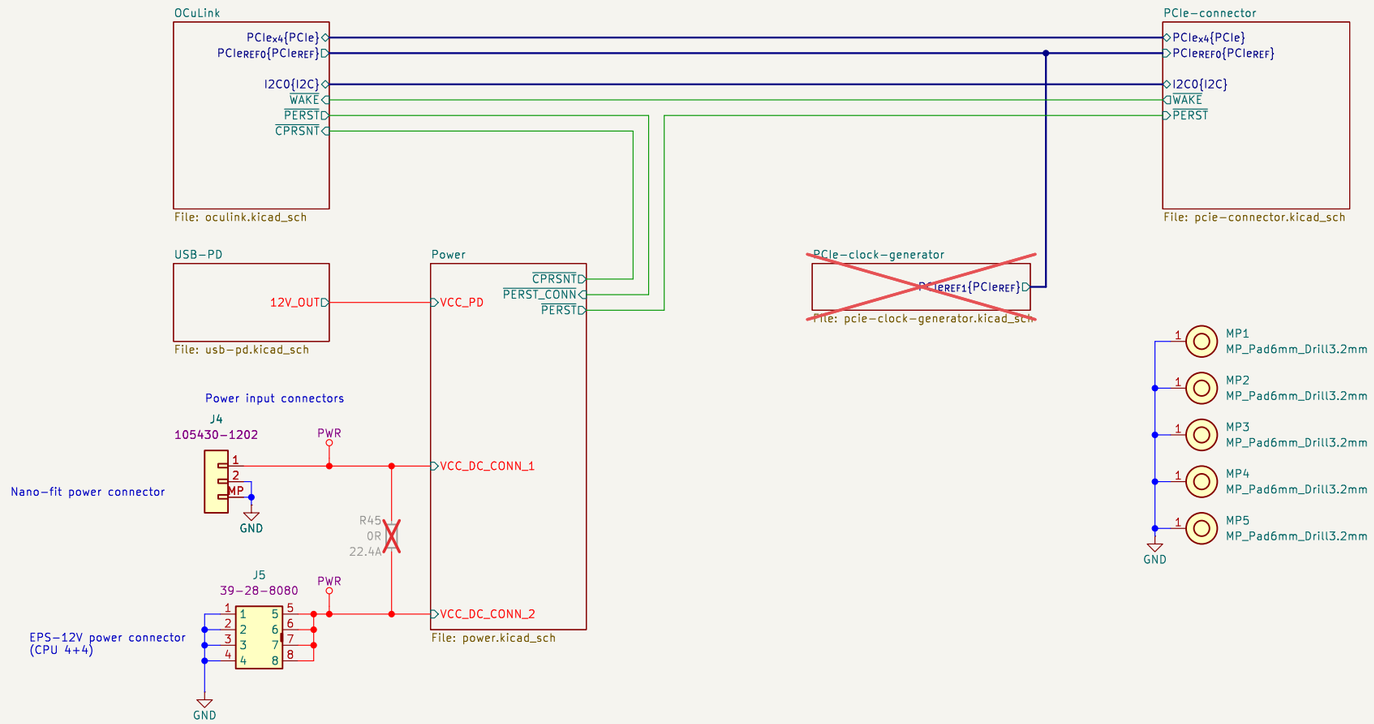

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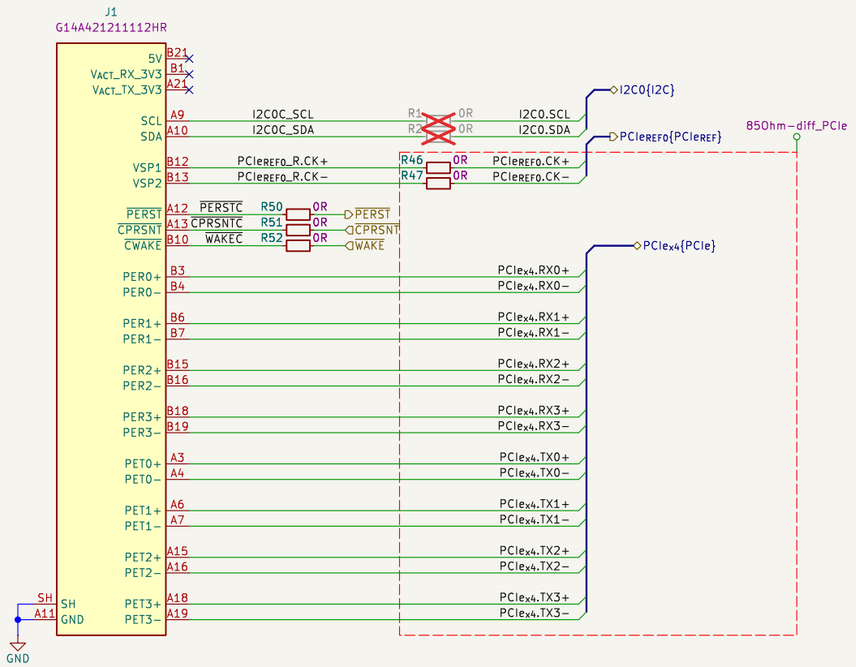
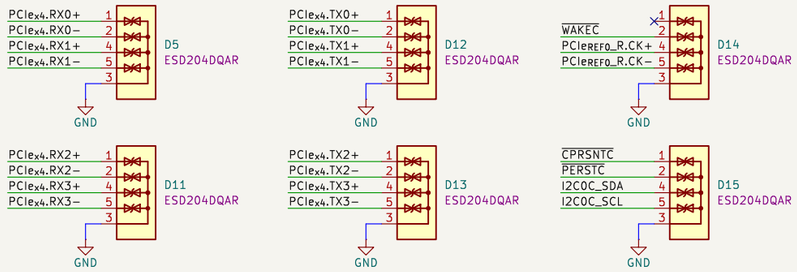
Sheet: /
File: oculink-to-pcie-adapter.kicad_sch

Title: OCuLink to PCIe adapter

Size: A3	Date: 2025-06-18	**Rev: 1.0.0**
KiCad E.D.A. 9.0.2		Id: 1/9

OCuLink connector





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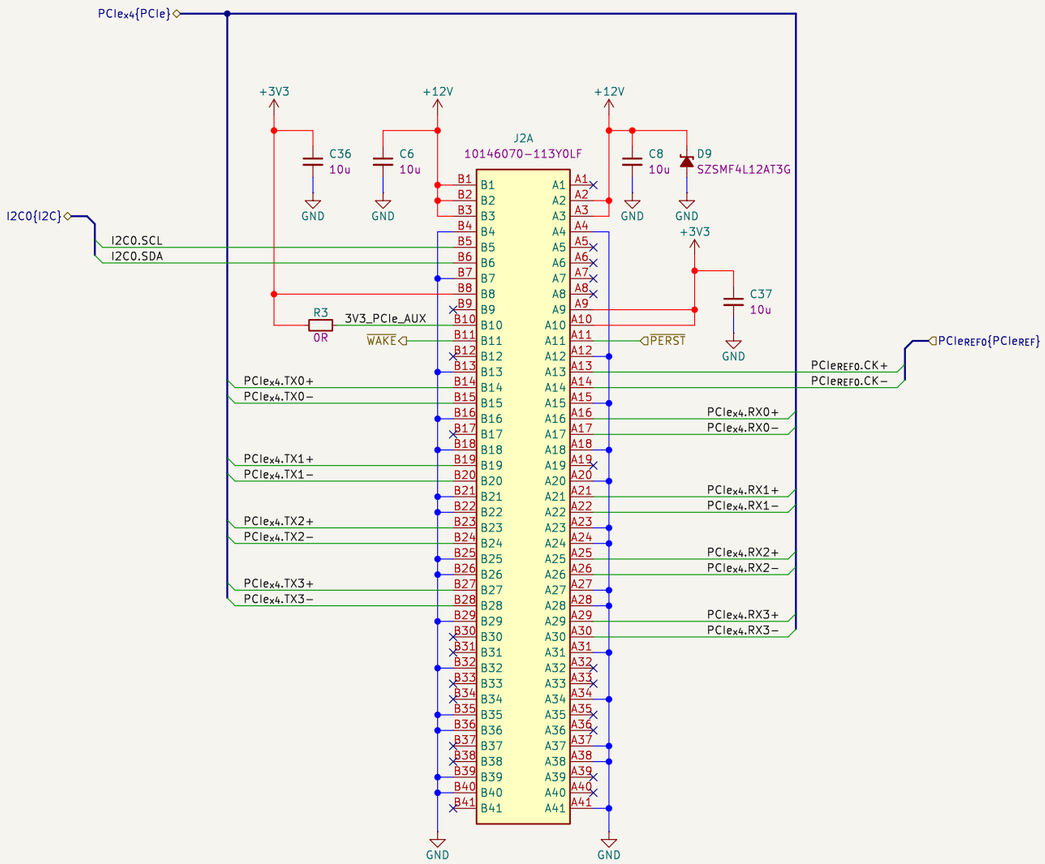
Sheet: /OCuLink/
File: oculink.kicad_sch

Title: OCuLink to PCIe adapter

Size: A3	Date: 2025−06−18	**Rev: 1.0.0**
KiCad E.D.A. 9.0.2		Id: 2/9

PCIe x16 connector



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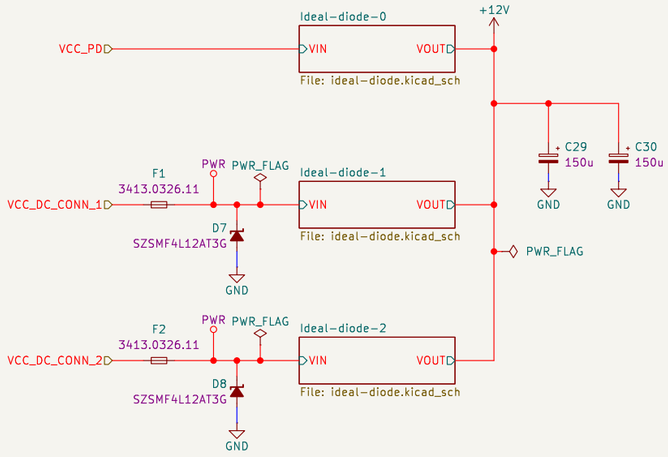
Sheet: /PCIe-connector/

File: pcie-connector.kicad_sch

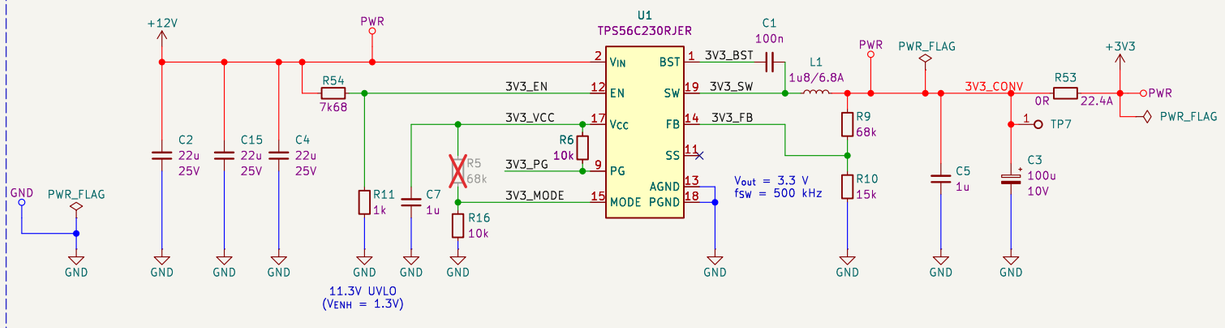
Title: OCuLink to PCIe adapter

Size: A3	Date: 2025-06-18	**Rev: 1.0.0**
KiCad E.D.A. 9.0.2		Id: 3/9

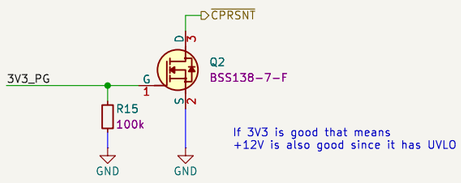
Power supply ORing

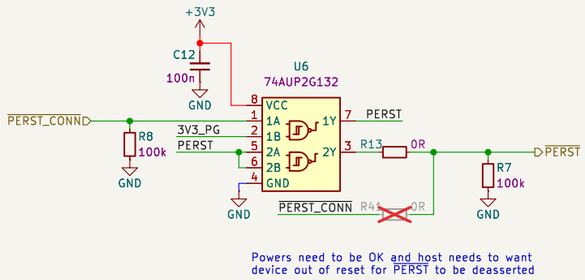


+3V3 DC/DC converter

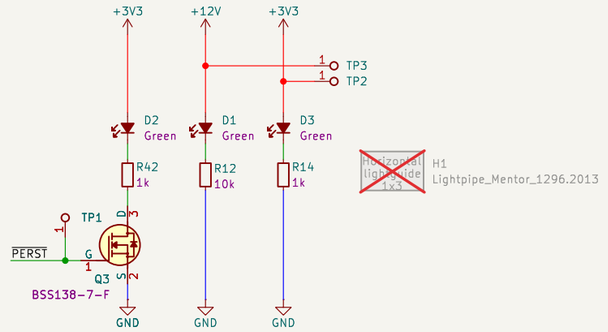


PERST and CPRSNT control





Power indicator LEDs and testpoints



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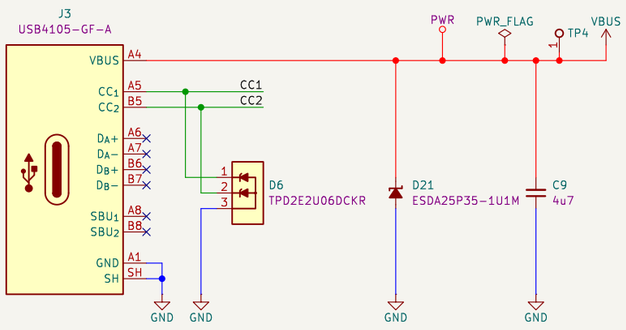
Sheet: /Power/
File: power.kicad_sch

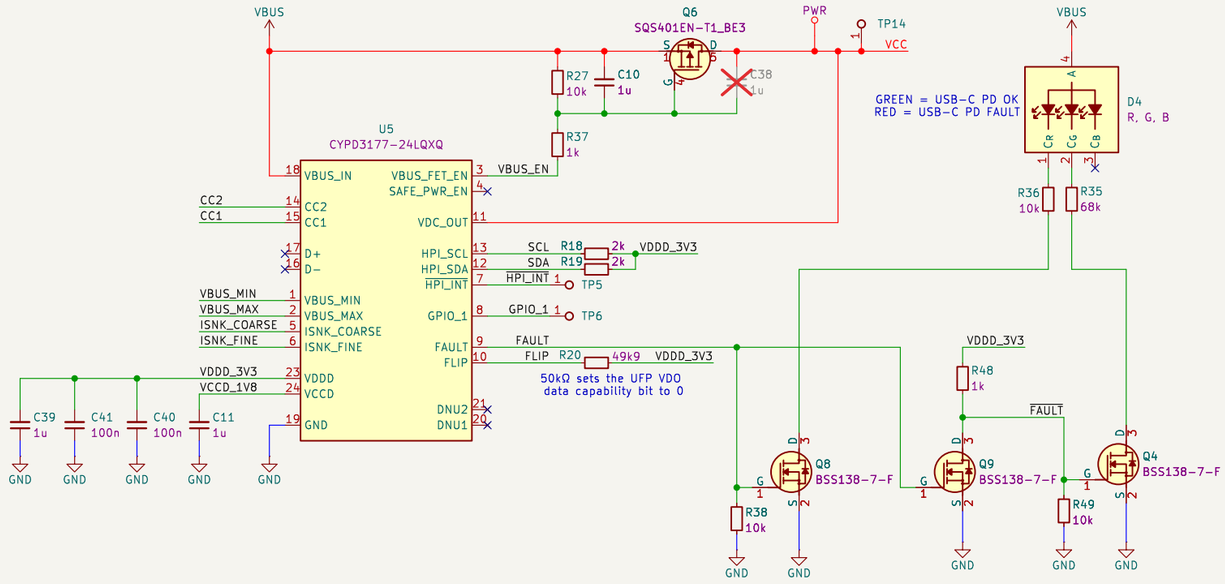
Title: OCuLink to PCIe adapter

Size: A3	Date: 2025-06-18	**Rev: 1.0.0**
KiCad E.D.A. 9.0.2		Id: 4/9

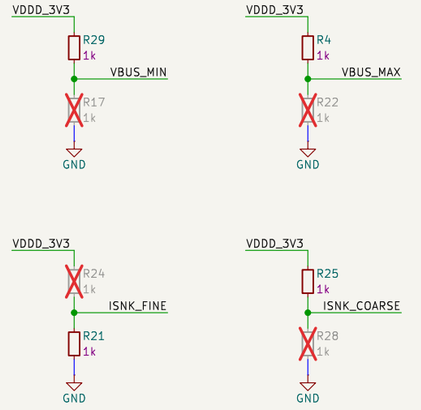
USB-C connector



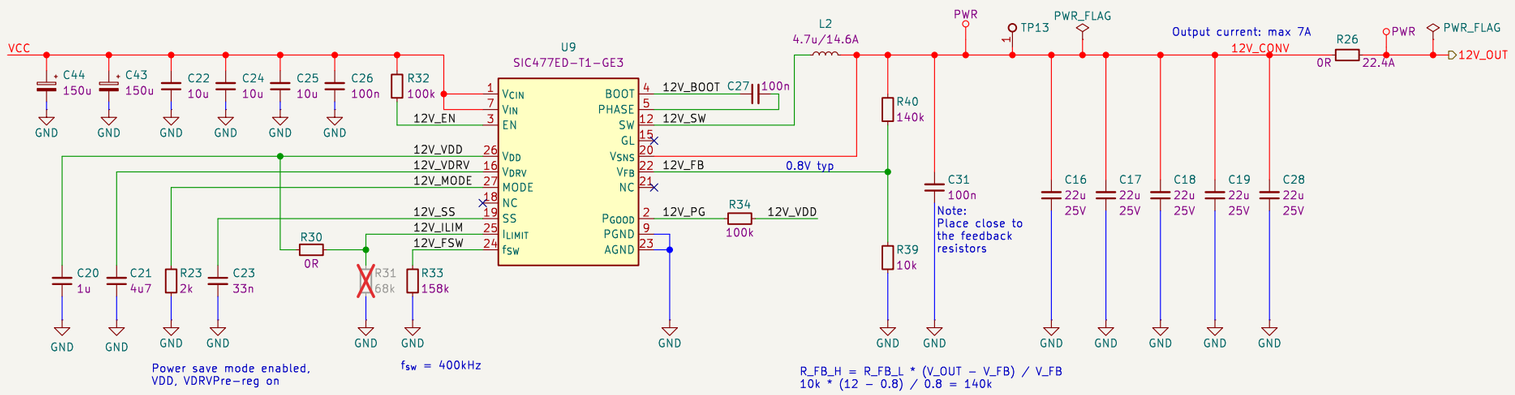
USB-C PD Controller



CONFIGURATION	
VBUS_MIN	20V
VBUS_MAX	20V
ISNK_FINE	0mA
ISNK_COARSE	5A



+12V DC/DC converter



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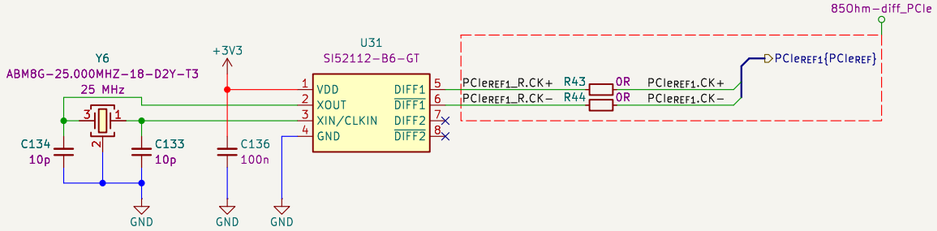
Sheet: /USB-PD/
File: usb-pd.kicad_sch
Title: OCuLink to PCIe adapter
Size: A3 | Date: 2025-06-18 | **Rev: 1.0.0**
KiCad E.D.A. 9.0.2 | Id: 5/9



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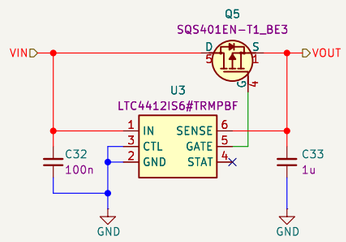
Sheet: /PCIe-clock-generator/
File: pcie-clock-generator.kicad_sch

Title: OCuLink to PCIe adapter

Size: A3	Date: 2025-06-18	**Rev: 1.0.0**
KiCad E.D.A. 9.0.2		Id: 8/9

Ideal diode



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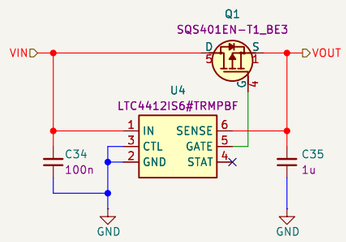
Sheet: /Power/Ideal-diode-0/

File: ideal-diode.kicad_sch

Title: OCuLink to PCIe adapter

Size: A3	Date: 2025-06-18	**Rev: 1.0.0**
KiCad E.D.A. 9.0.2		Id: 6/9

Ideal diode



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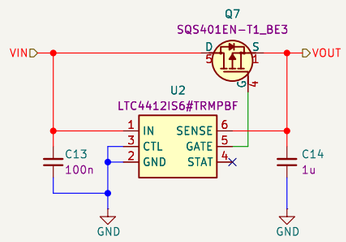
Sheet: /Power/Ideal-diode-1/
File: ideal-diode.kicad_sch

Title: OCuLink to PCIe adapter

Size: A3	Date: 2025-06-18	**Rev: 1.0.0**
KiCad E.D.A. 9.0.2		Id: 7/9

Ideal diode



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Sheet: /Power/Ideal-diode-2/
File: ideal-diode.kicad_sch

Title: OCuLink to PCIe adapter

Size: A3	Date: 2025-06-18	**Rev: 1.0.0**
KiCad E.D.A. 9.0.2		Id: 9/9