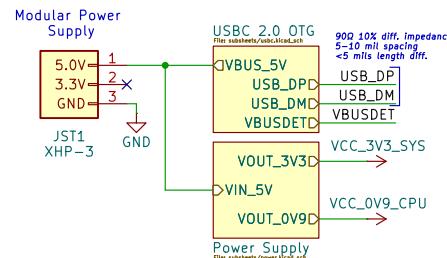
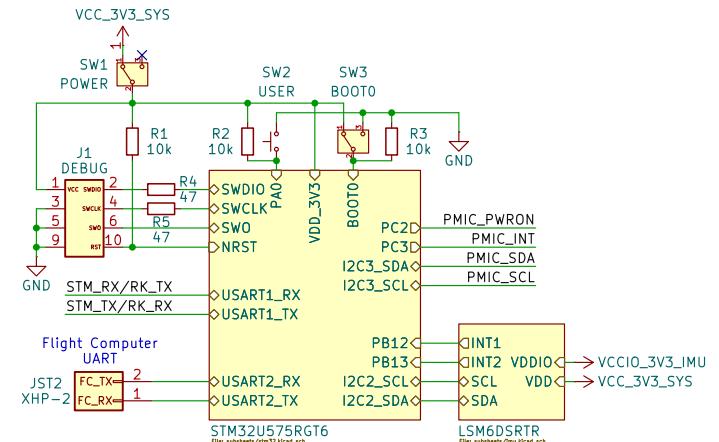


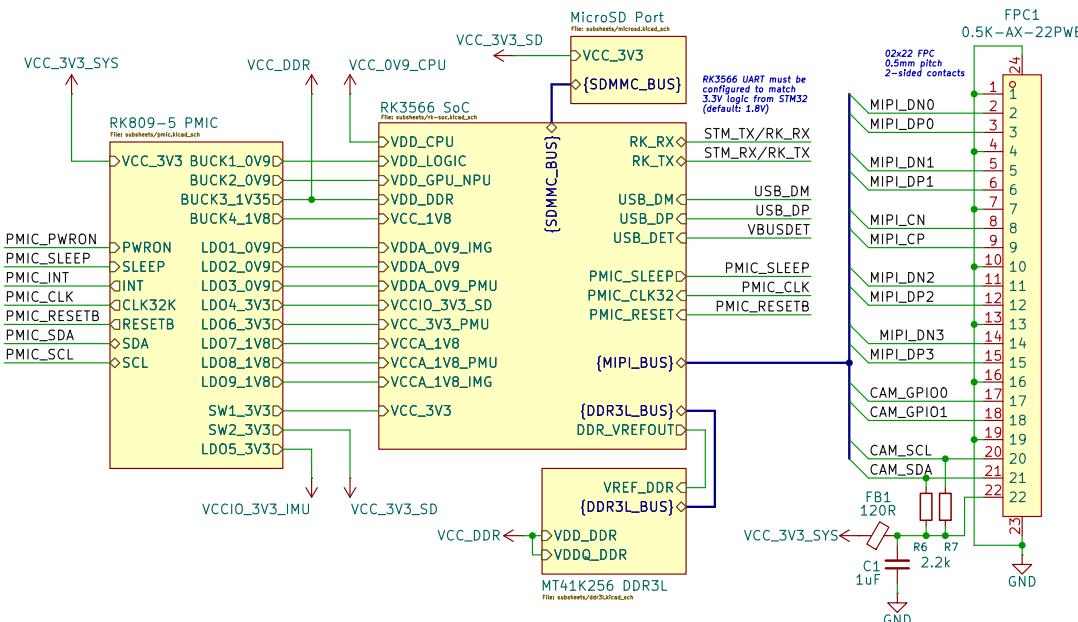
USB PORT & POWER SUPPLY



STM32 MCU & INERTIAL MEASUREMENT UNIT



RK809-5 PMIC, RK3566 SOC & PERIPHERALS



Author: Eric Handley

UVic Rocketry

Sheet: /

File: srad-camera.kicad_sch

Title: SRAD Camera

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 1/15

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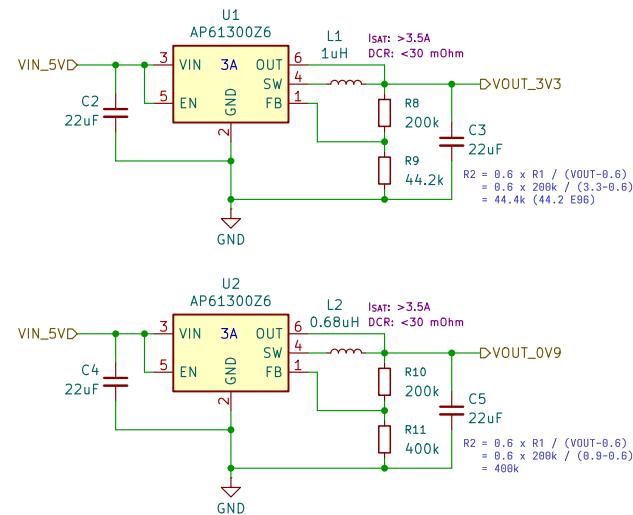
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Author: Eric Handley

UVic Rocketry

Sheet: /Power Supply/

File: power.kicad_sch

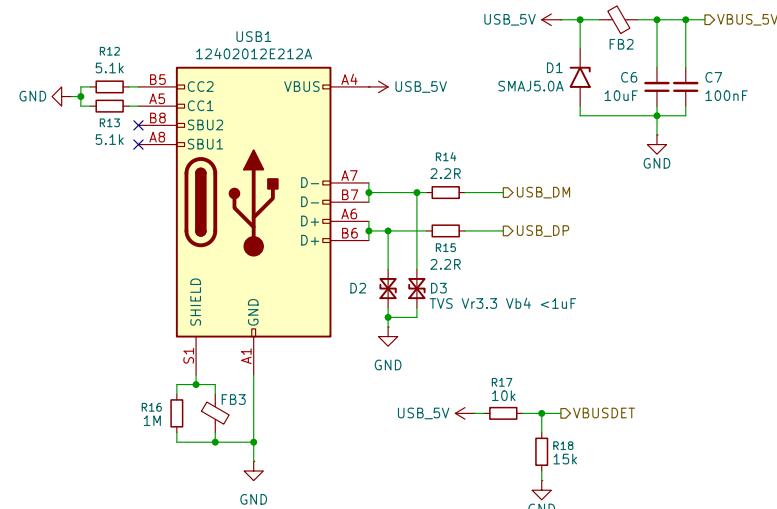
Title: Buck Converters

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 2/15



Author: Eric Handley

UVic Rocketry

Sheet: /USBC 2.0 OTG/

File: usbc.kicad_sch

Title: USB C Port

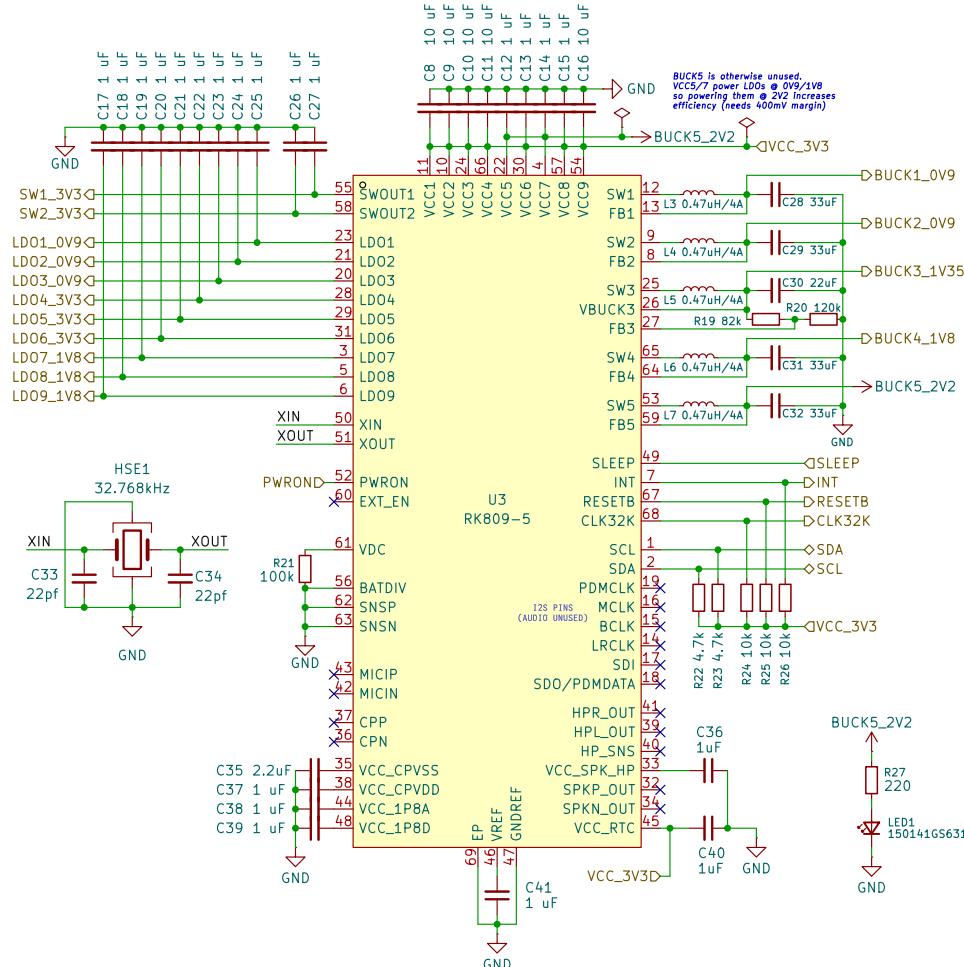
Size: A4

Date: 2025-11-23

Rev: 1.0

Id: 3/15

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Author: Eric Handley

UVic Rocketry

Sheet: /RK809-5 PMIC/

File: pmic.kicad_sch

Title: Power Management IC

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 4/15

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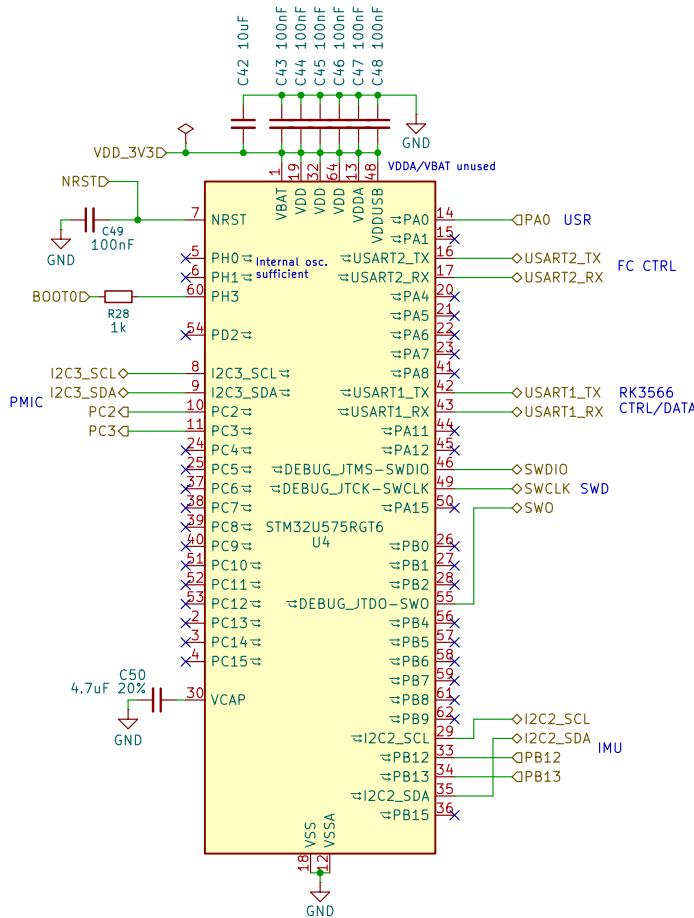
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Author: Eric Handley

UVic Rocketry

Sheet: /STM32U575RG6/

File: stm32.kicad_sch

Title: STM32U575RG6 Microcontroller

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

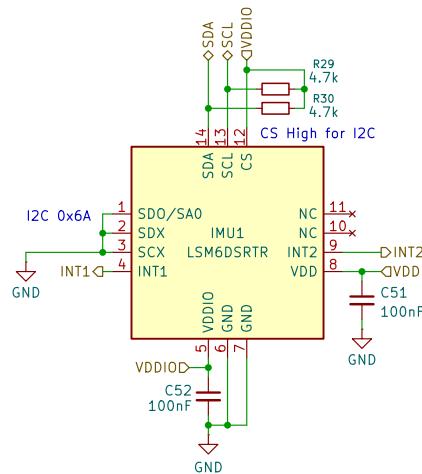
Id: 5/15

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Author: Eric Handley

UVic Rocketry

Sheet: /LSM6DSRTR/

File: imu.kicad_sch

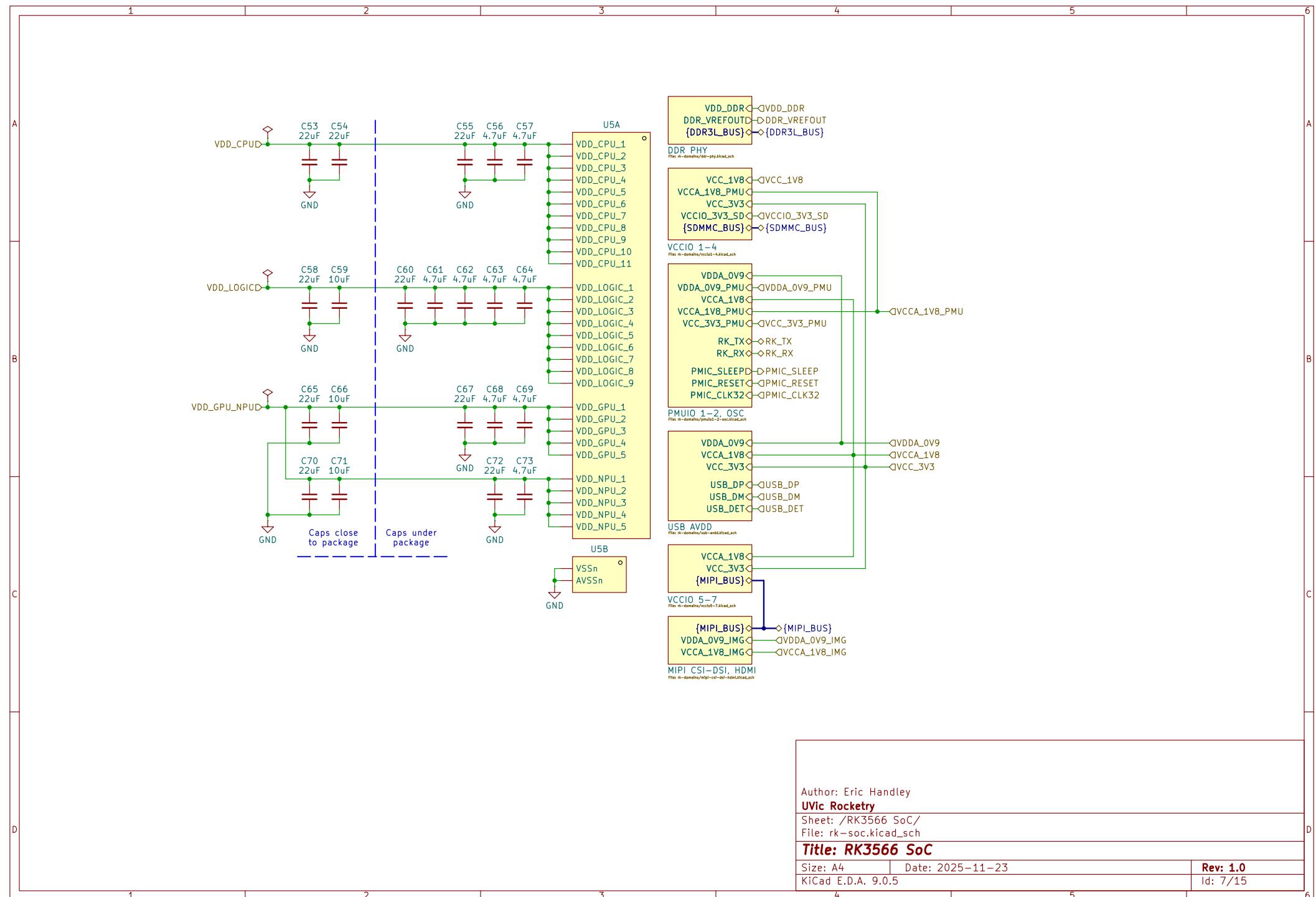
Title: Inertial Measurement Unit

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 6/15



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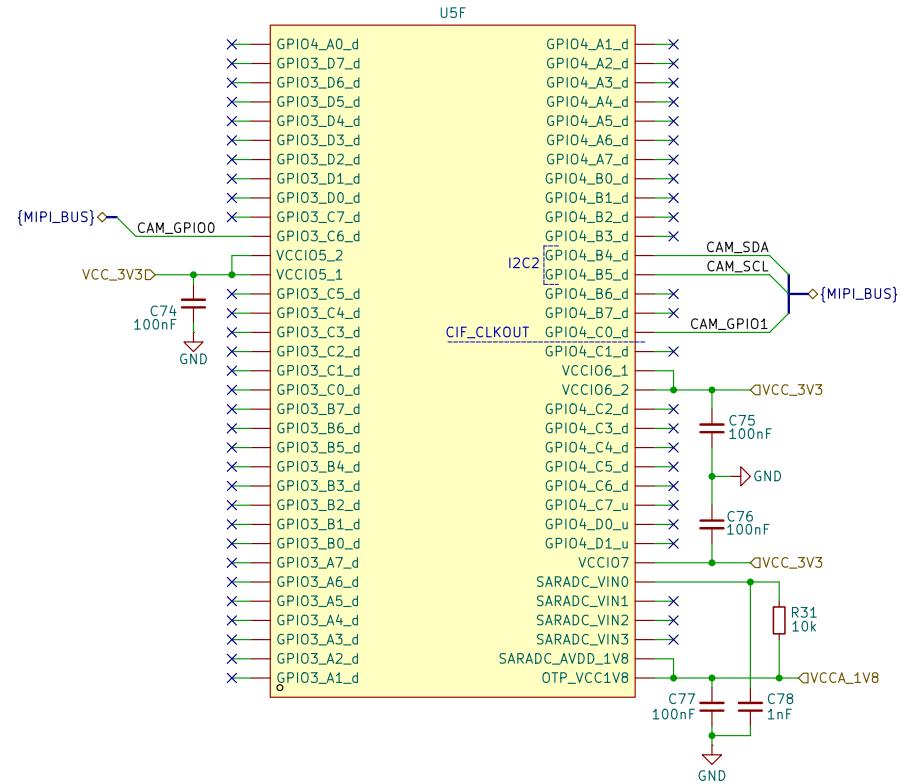
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Author: Eric Handley

UVic Rocketry

Sheet: /RK3566 SoC/VCCIO 5-7/

File: vccio5-7.kicad_sch

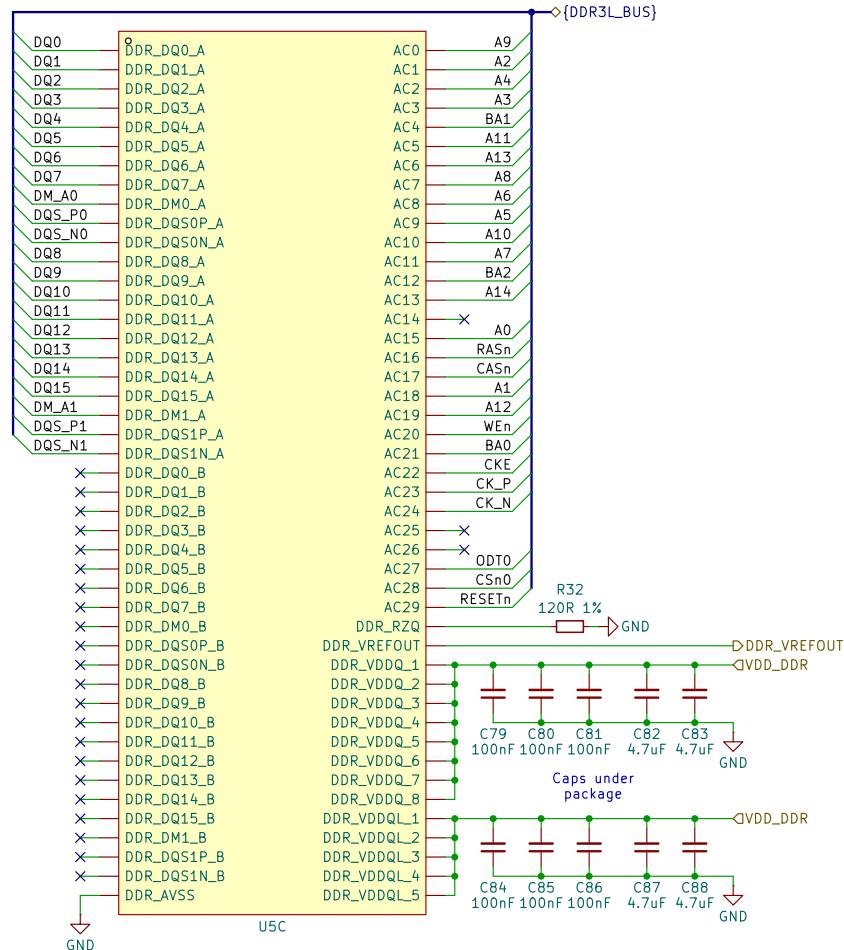
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Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 8/15



Author: Eric Handley

UVic Rocketry

Sheet: /RK3566 SoC/DDR PHY/

File: ddr-phy.kicad_sch

Title: DDR PHY

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 9/15

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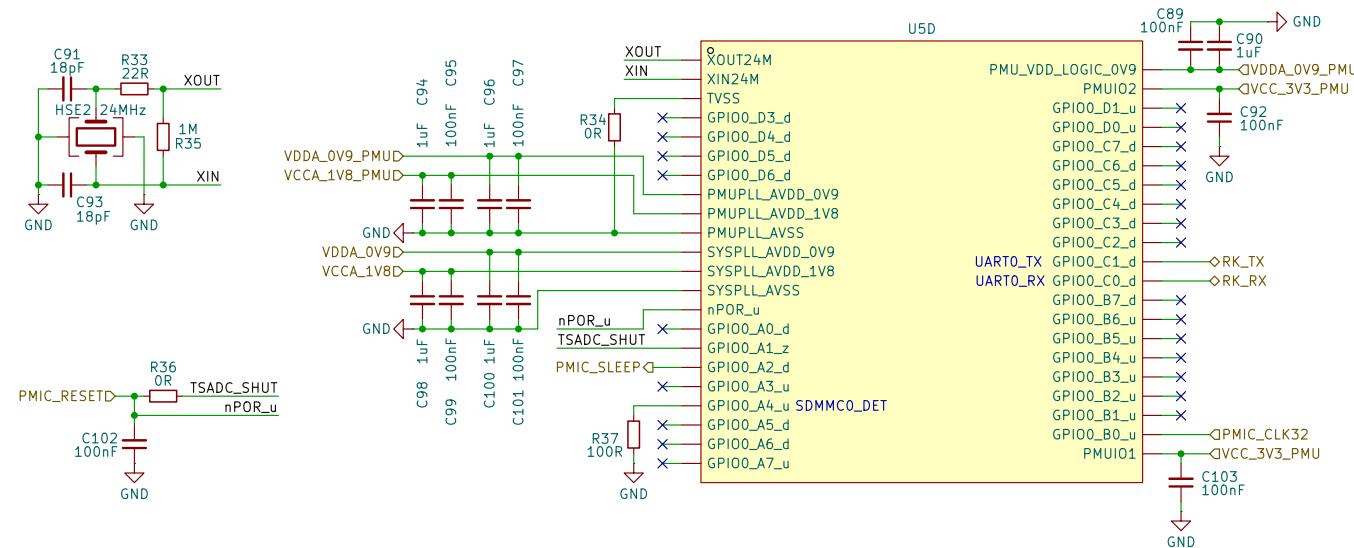
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Author: Eric Handley

UVic RocketrySheet: /RK3566 SoC/PMUIO 1-2, OSC/
File: pmui01-2-osc.kicad_sch**Title: PMUIO 1/2, OSC**

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 10/15

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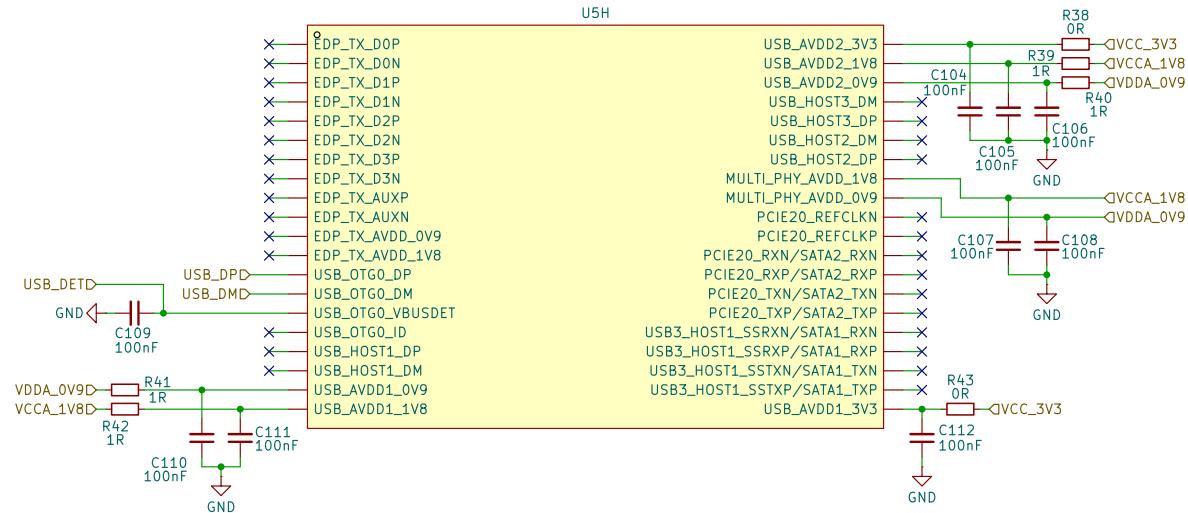
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Author: Eric Handley

UVic Rocketry

Sheet: /RK3566 SoC/USB_AVDD/

File: usb-avdd.kicad_sch

Title: USB AVDD

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 11/15

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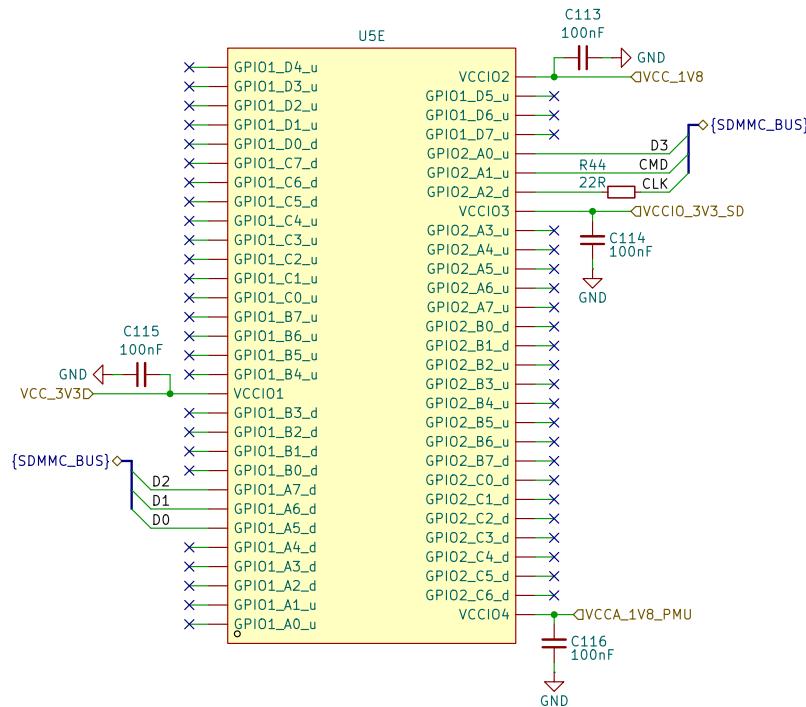
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Author: Eric Handley

UVic Rocketry

Sheet: /RK3566 SoC/VCCIO 1-4/

File: vccio1-4.kicad_sch

Title: VCCIO 1/2/3/4

Size: A4 Date: 2025-11-23

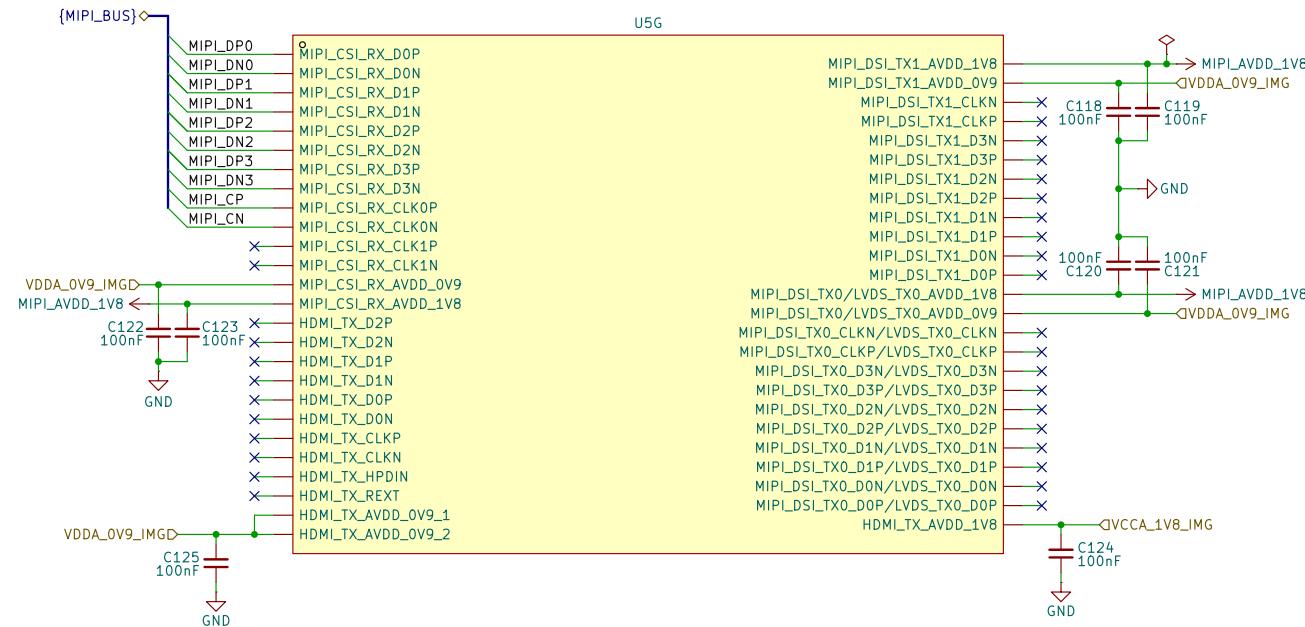
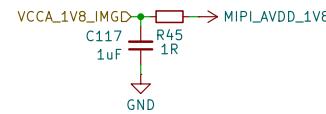
KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 12/15

1 2 3 4 5 6

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Author: Eric Handley

UVic RocketrySheet: /RK3566 SoC/MIPI CSI-DSI, HDMI/
File: miipi-csi-dsi-hdmi.kicad_sch**Title: MIPI CSI/DSI, HDMI**

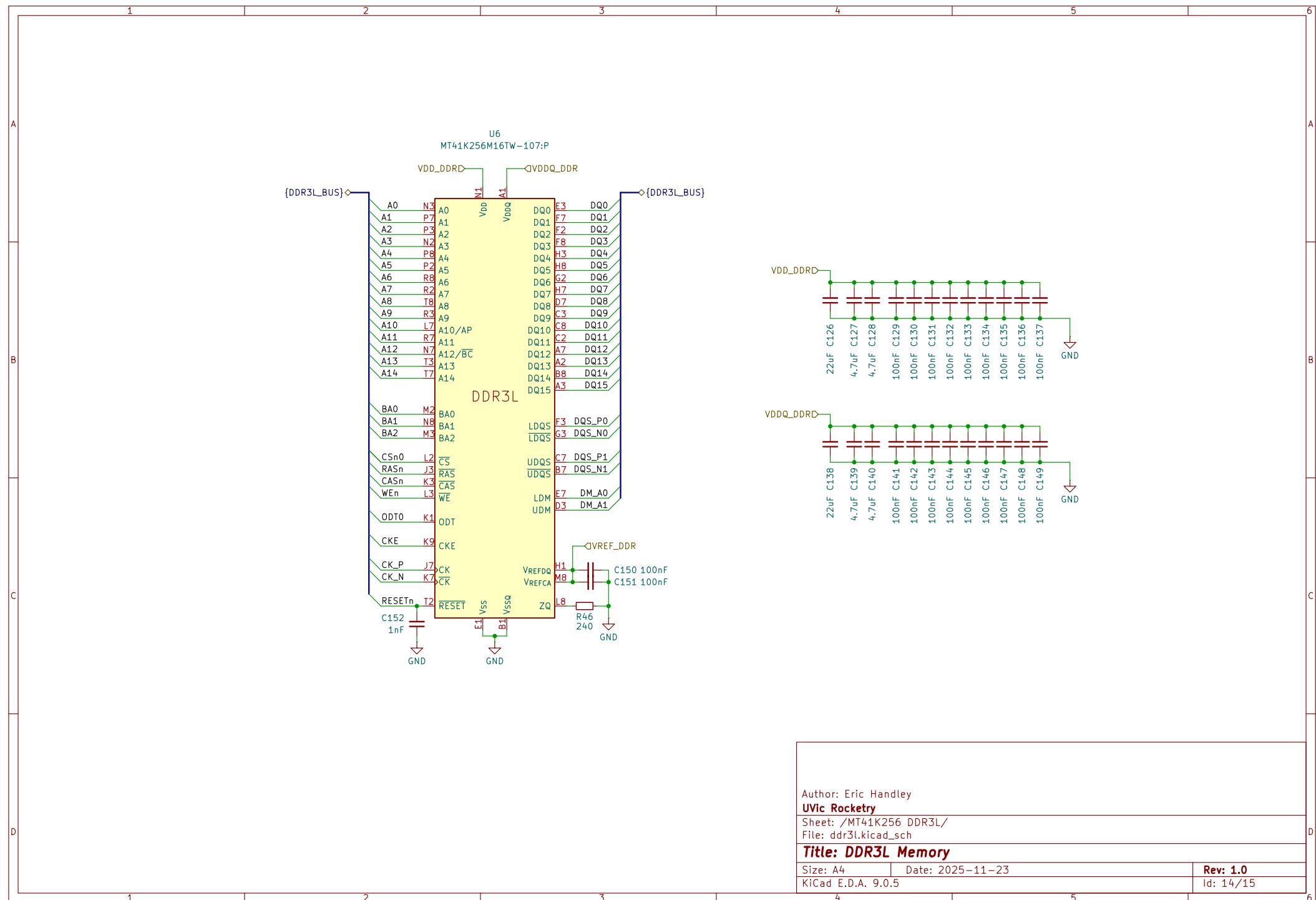
Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 13/15

1 2 3 4 5 6



1 2 3 4 5 6

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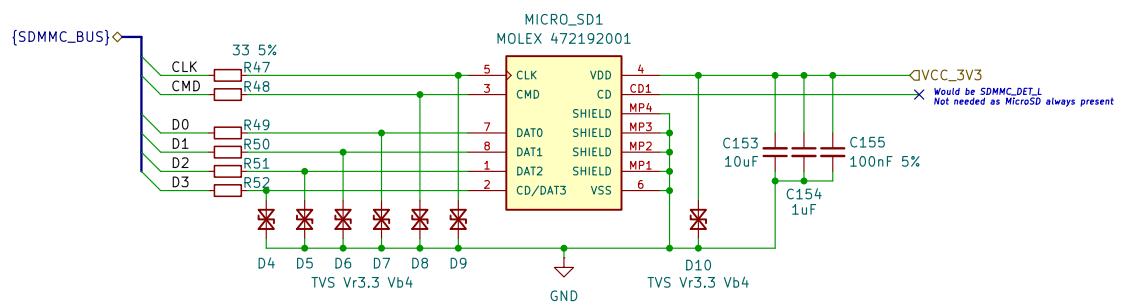
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Author: Eric Handley

UVic Rocketry

Sheet: /MicroSD_Port/

File: microsd.kicad_sch

Title: MicroSD Card Enclosure

Size: A4 Date: 2025-11-23

KiCad E.D.A. 9.0.5

Rev: 1.0

Id: 15/15

1 2 3 4 5 6