

SPARKLE-UNIT
ESA ACADEMY

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File: main_board.kicad_sch

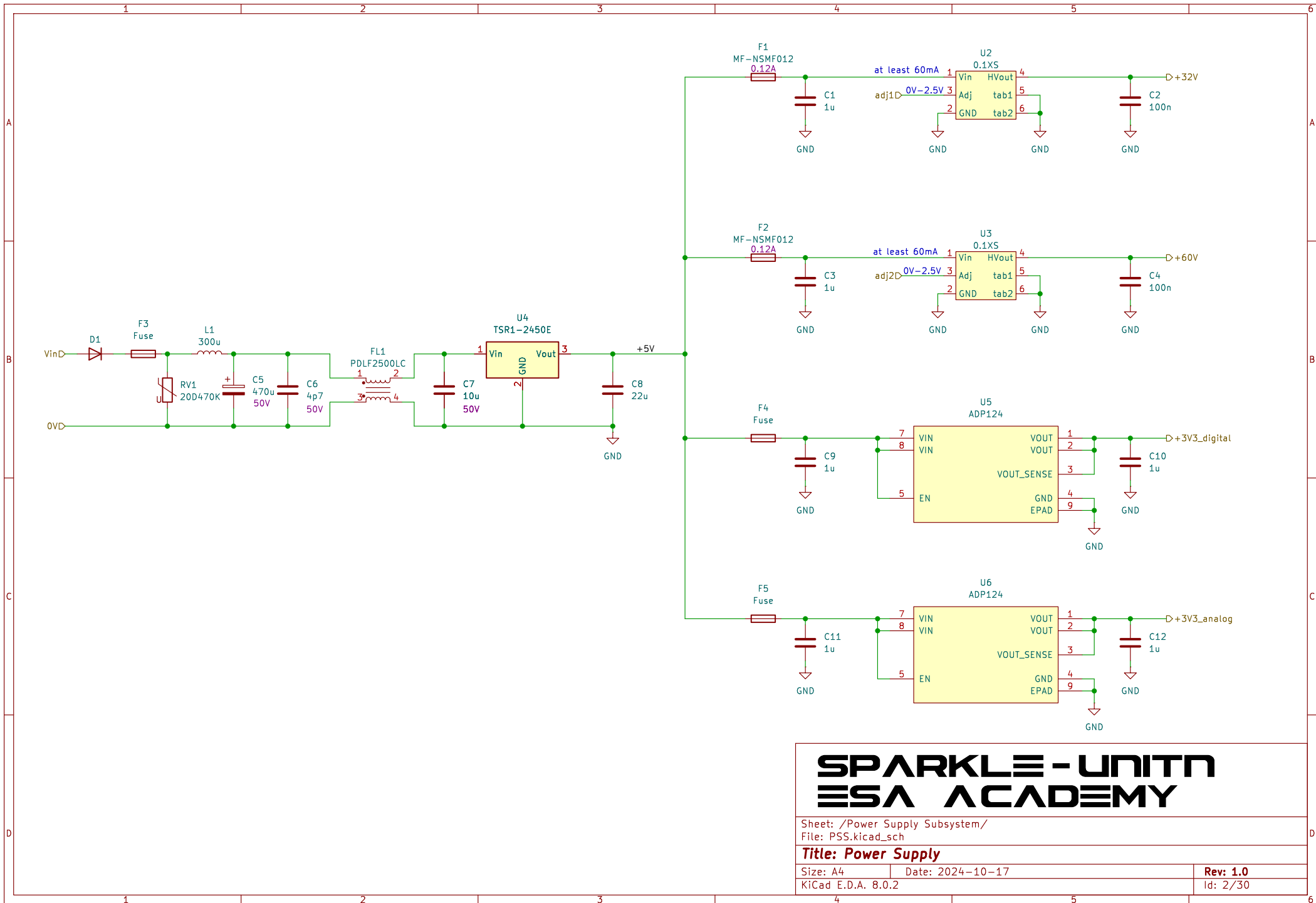
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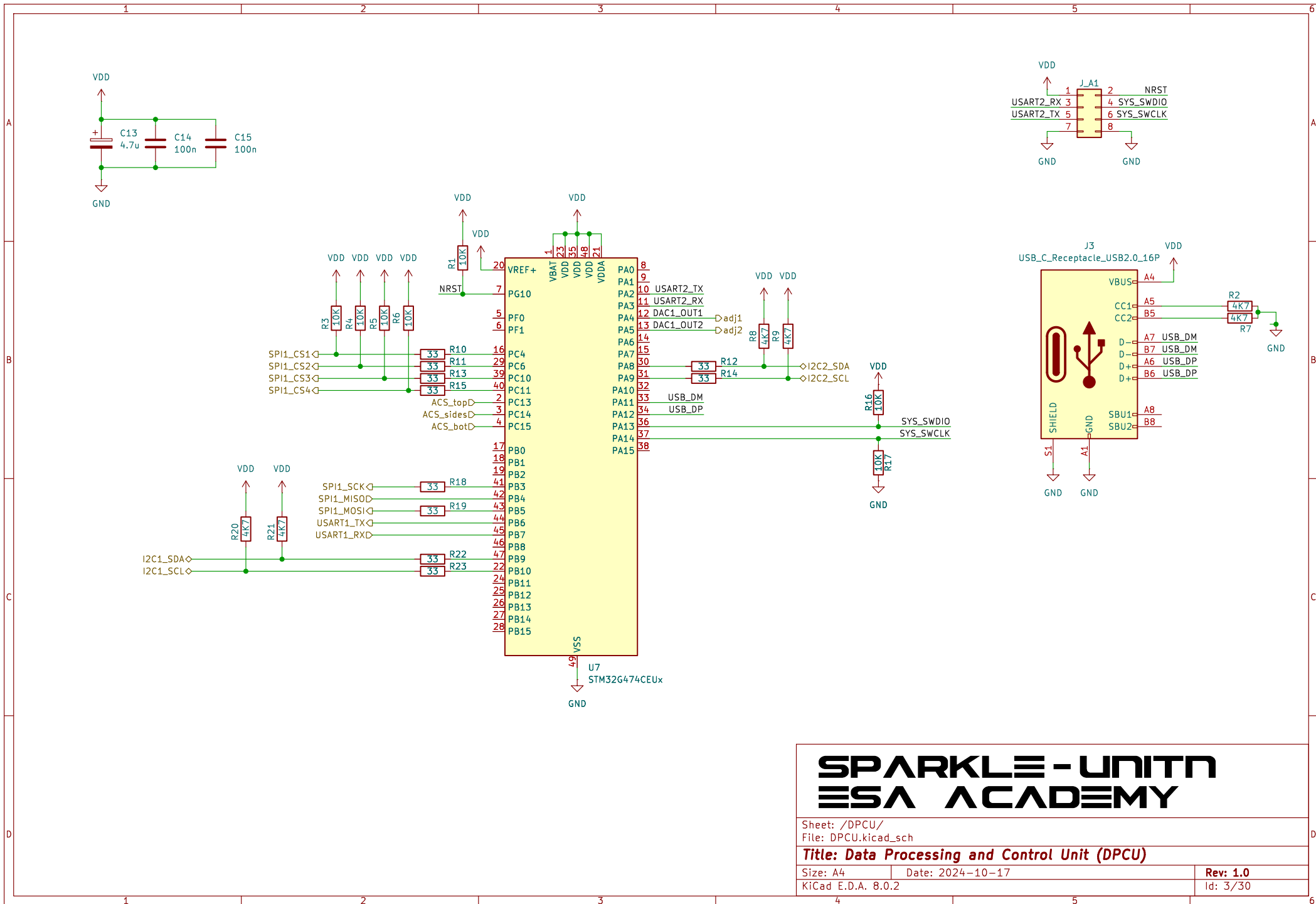
Size: A4 Date: 2024-10-17

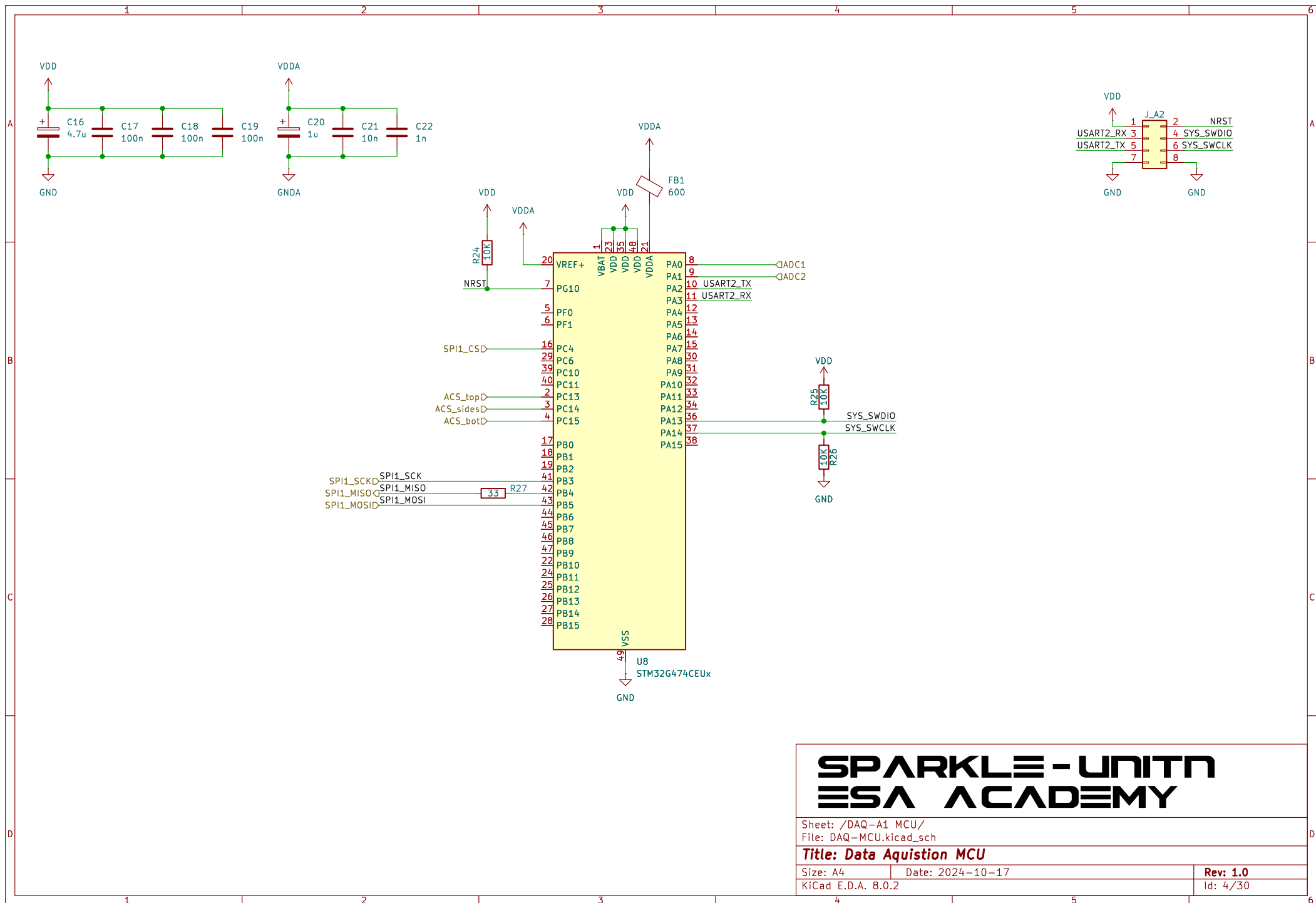
KiCad E.D.A. 8.0.2

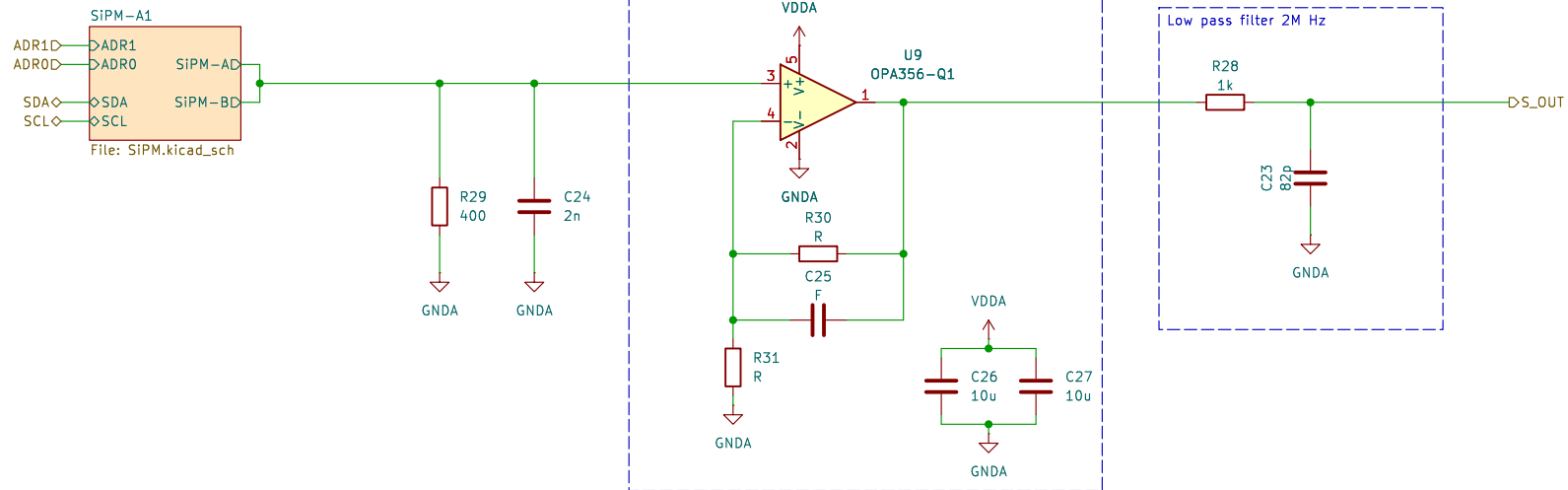
Rev: 1.0

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SPARKLE-UNIT
ESA ACADEMY

Sheet: /DAQ-A1 FEE 1SiPM/
 File: FEE-SiPM.kicad_sch

Title: Front-end Electronics for SiPM

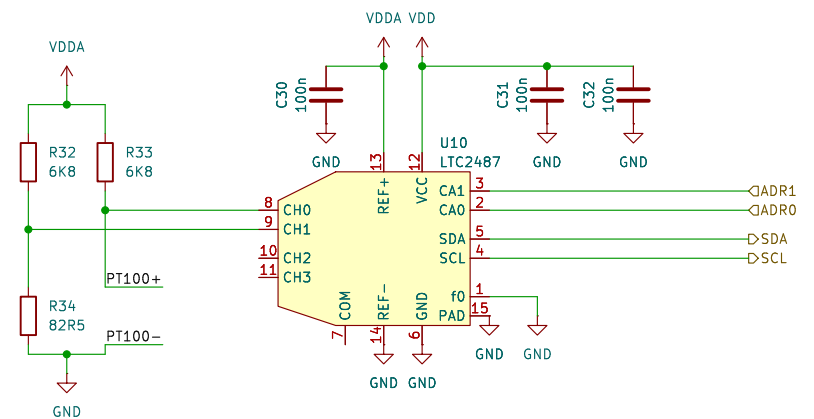
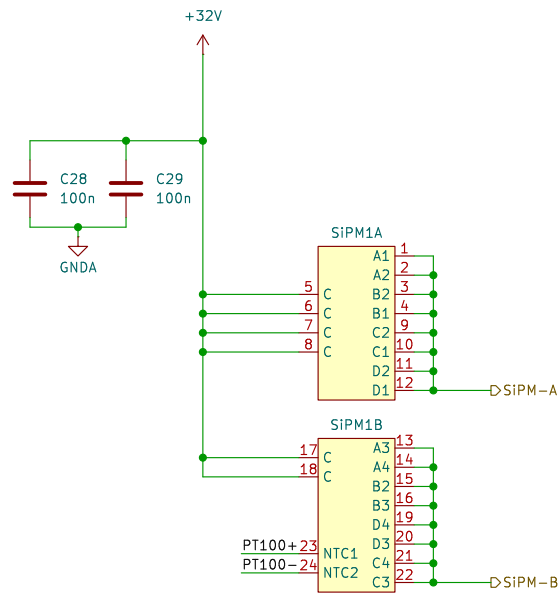
Size: A4

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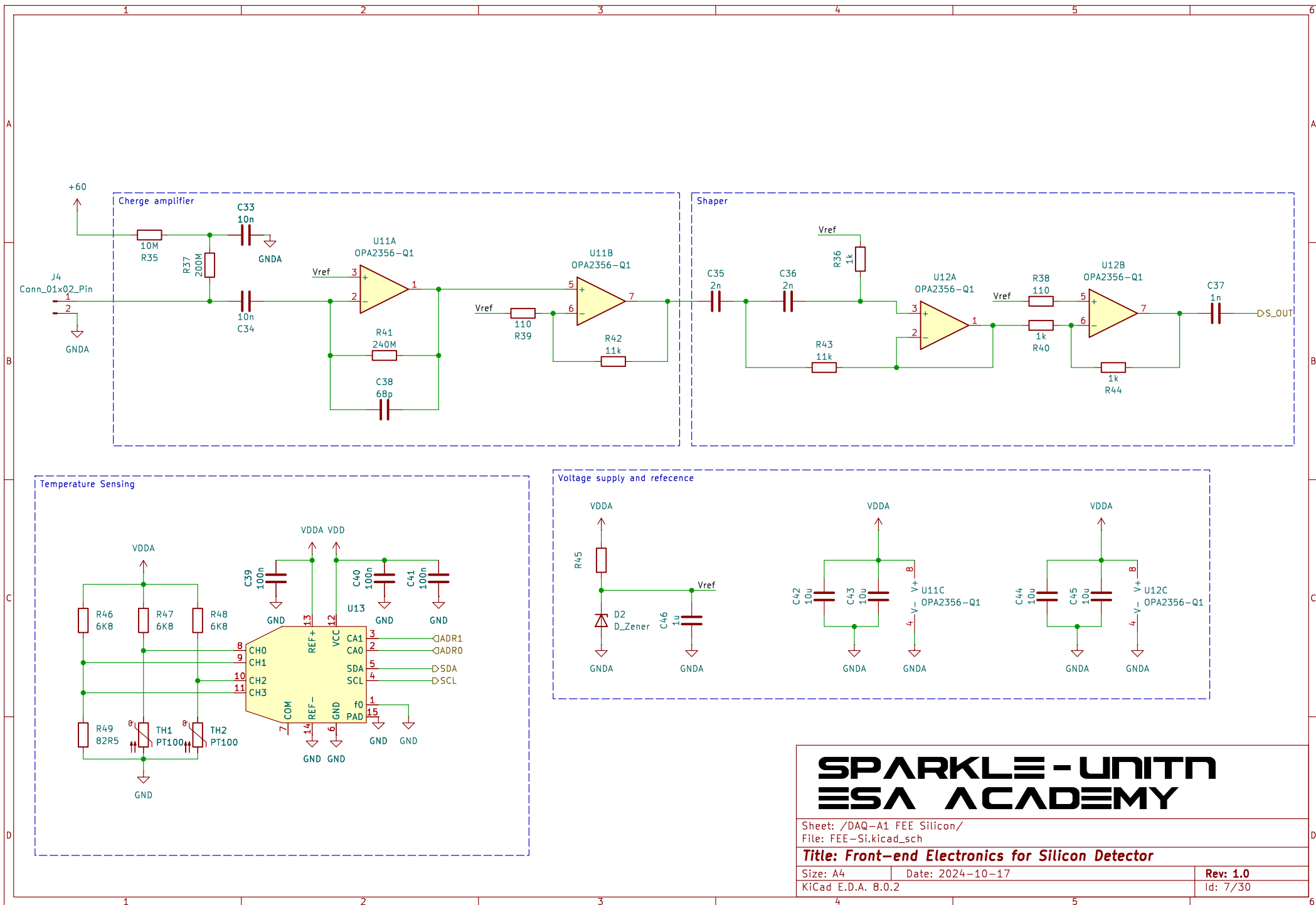


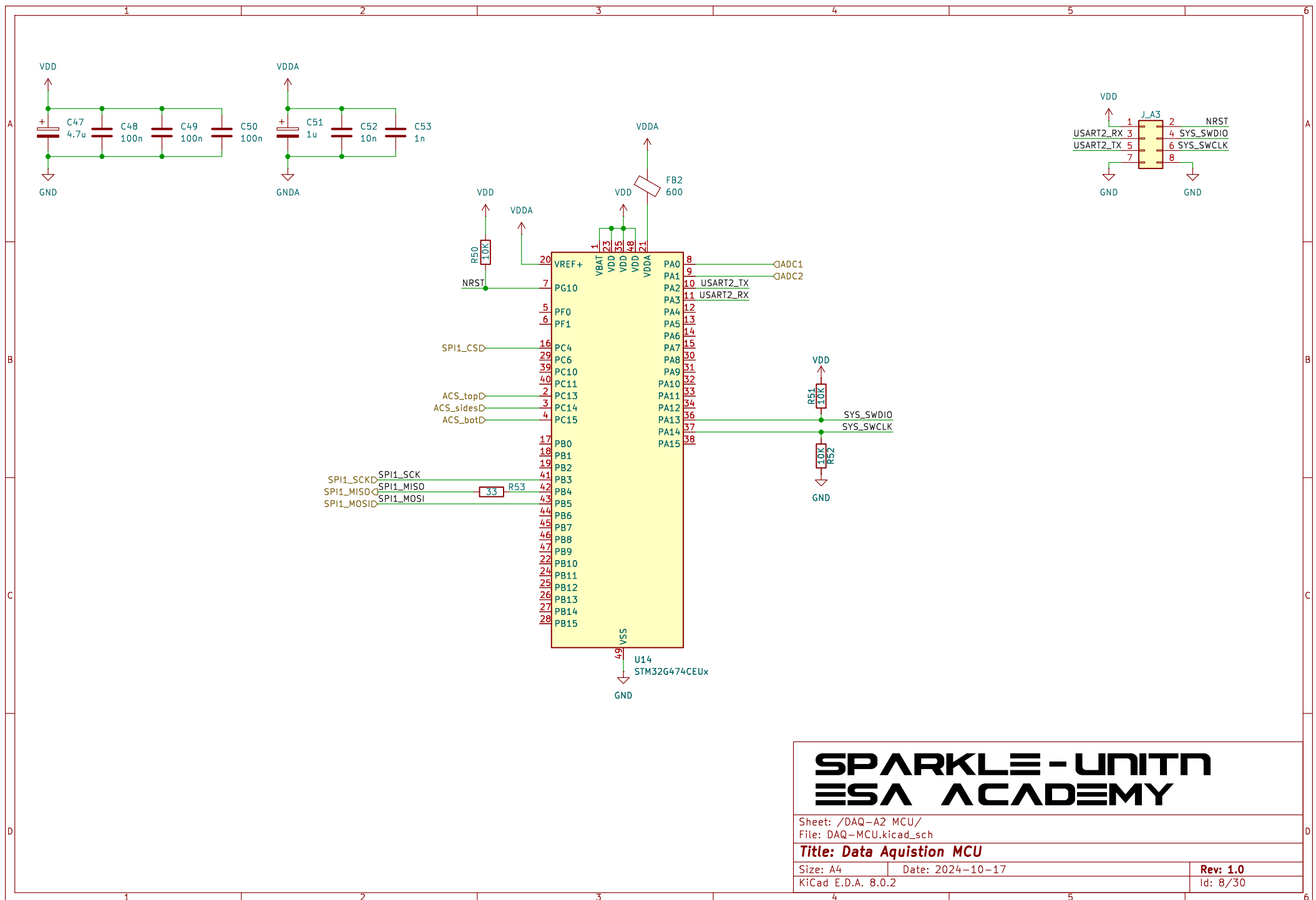
SPARKLE-UNITN ESA ACADEMY

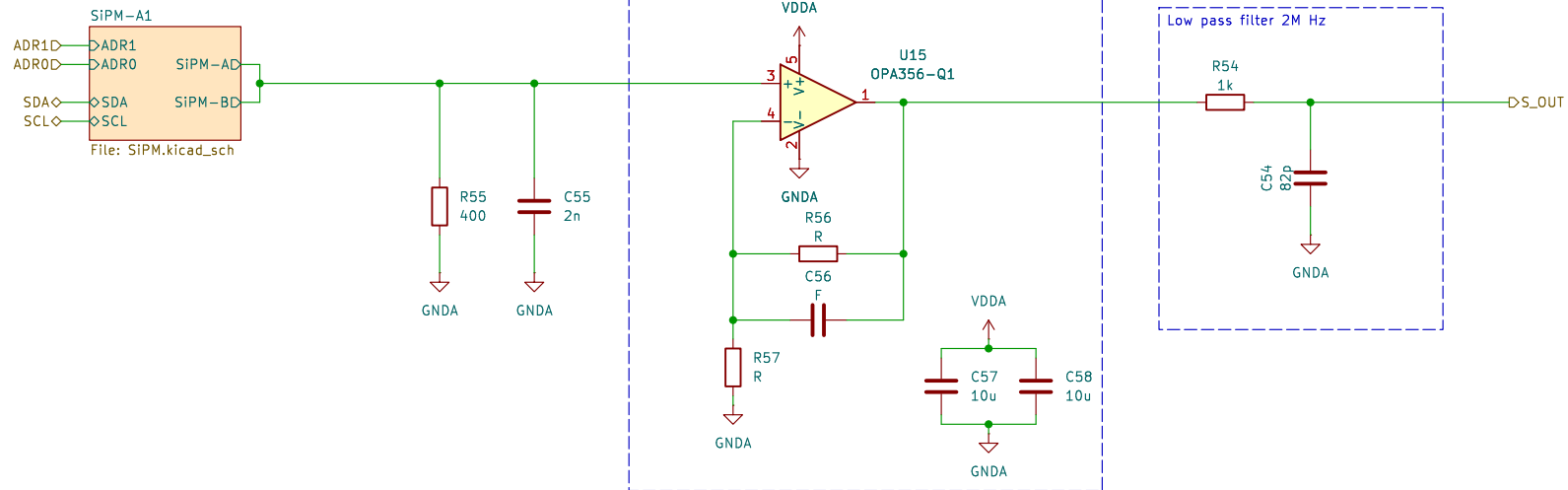
Sheet: /DAQ-A1 FEE 1SiPM/SiPM-A1/
File: SiPM.kicad_sch

Title: SiPM connector and tempaerature sensing

Size: A4	Date: 2024-10-17	Rev: 1.0
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SPARKLE-UNIT
ESA ACADEMY

Sheet: /DAQ-A2 FEE 1SiPM/
File: FEE-SiPM.kicad_sch

Title: Front-end Electronics for SiPM

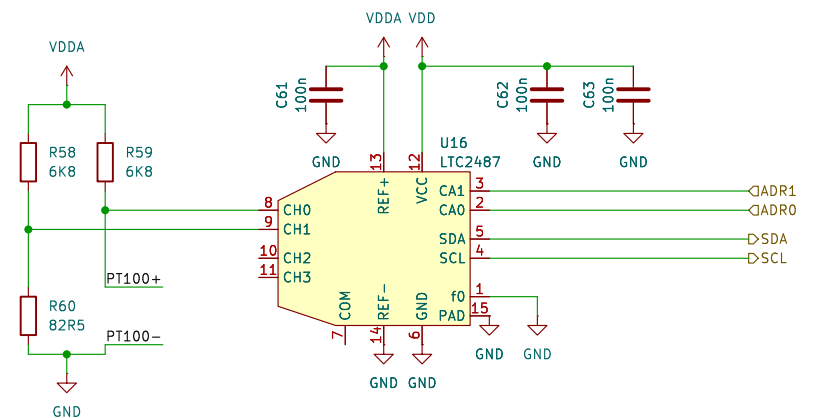
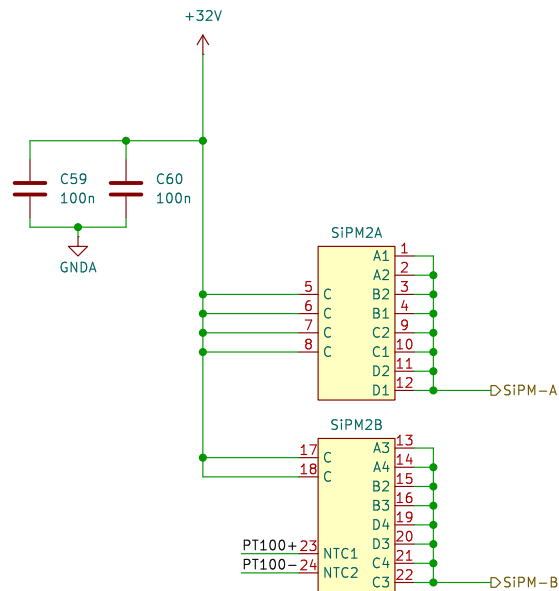
Size: A4

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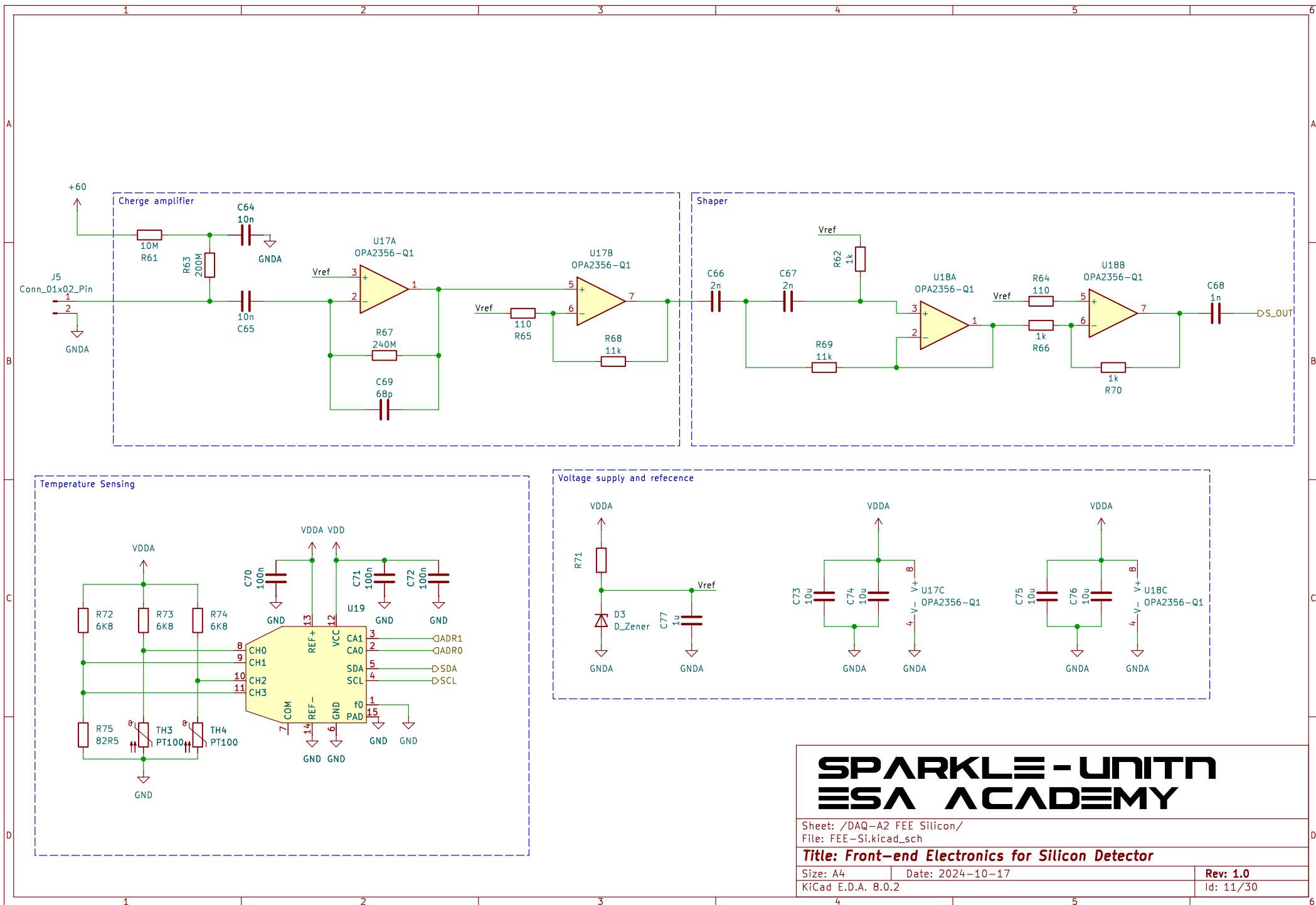


SPARKLE-UNITN ESA ACADEMY

Sheet: /DAQ-A2 FEE 1SiPM/SiPM-A1/
File: SiPM.kicad_sch

Title: SiPM connector and tempaerature sensing

Size: A4	Date: 2024-10-17	Rev: 1.0
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ESA ACADEMY

Sheet: /DAQ-A2 FEE Silicon/
File: FEE-Si.kicad_sch

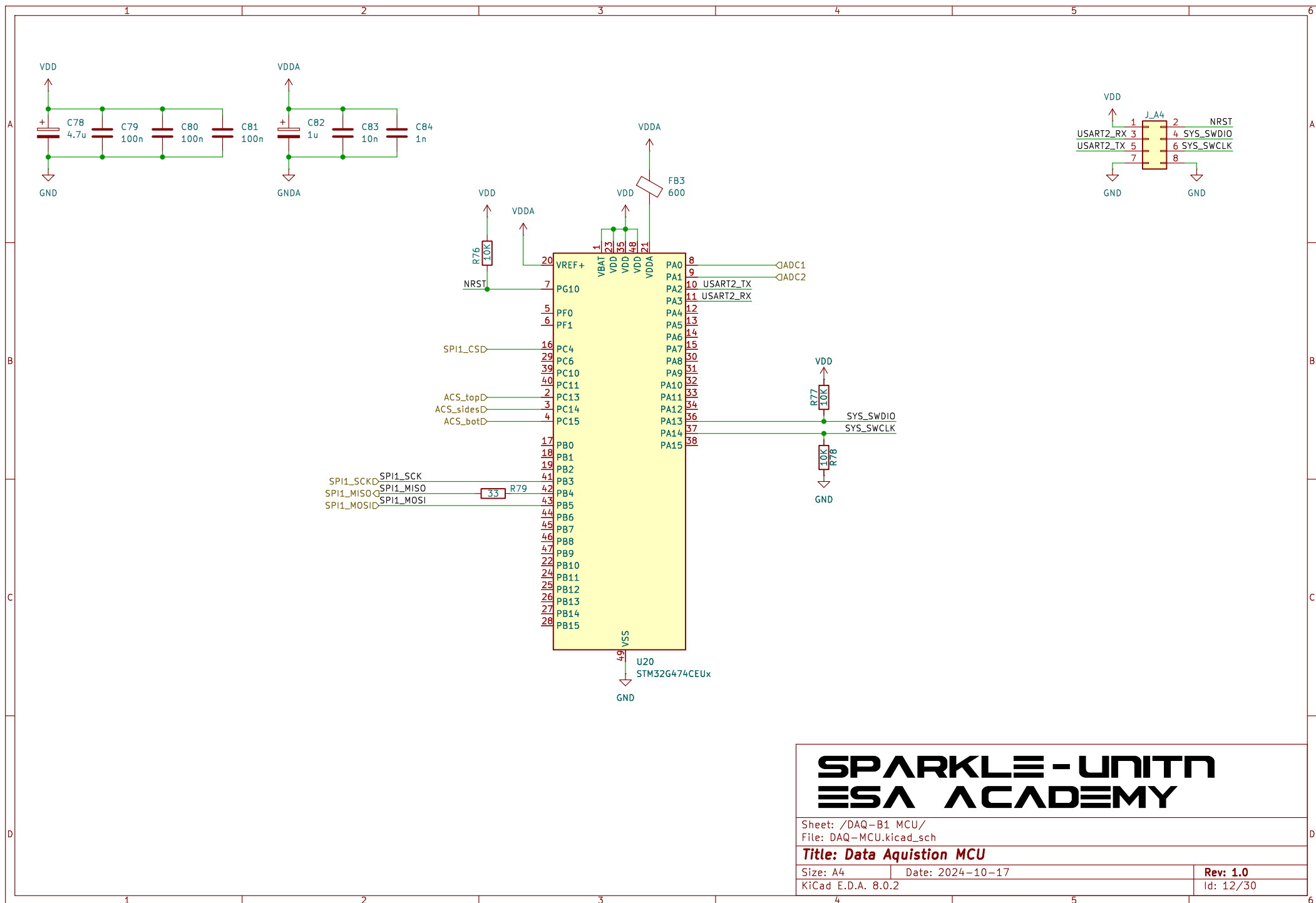
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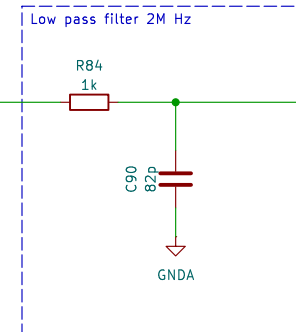
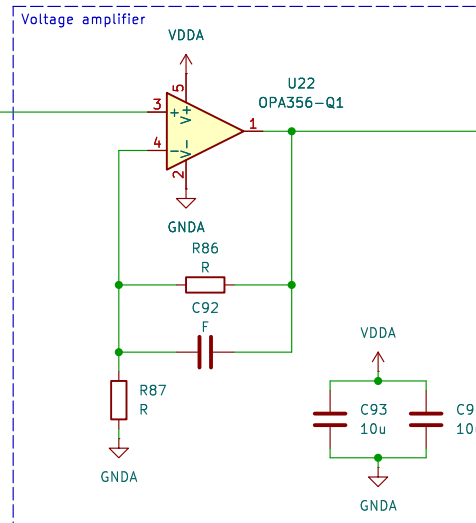
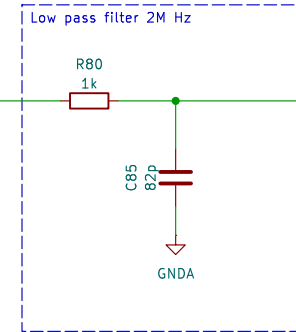
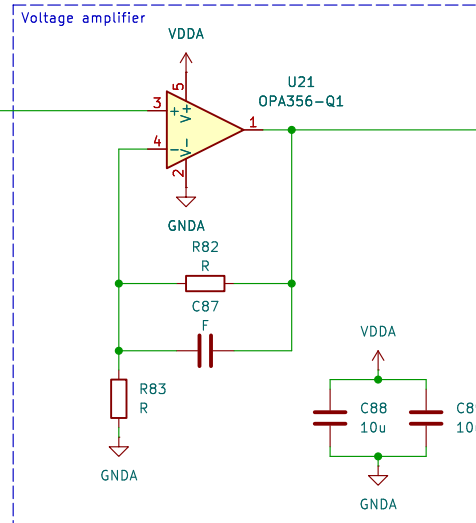
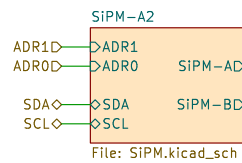
Size: A4 Date: 2024-10-17

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SPARKLE-UNIT

ESA ACADEMY

Sheet: /DAQ-B1 FEE SiPM/
File: FEE-SiPM_half.kicad_sch

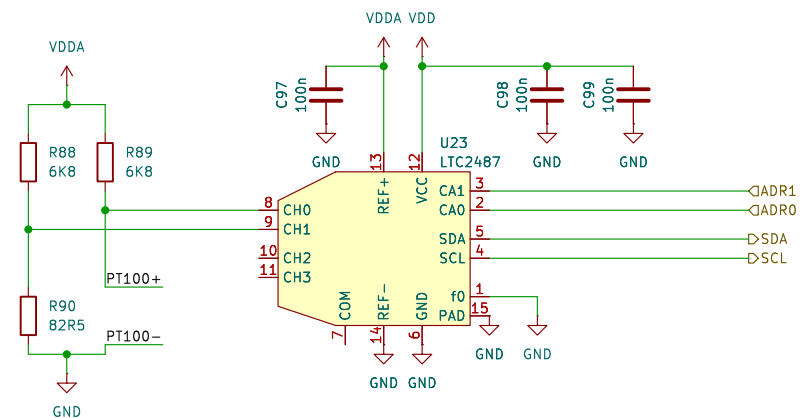
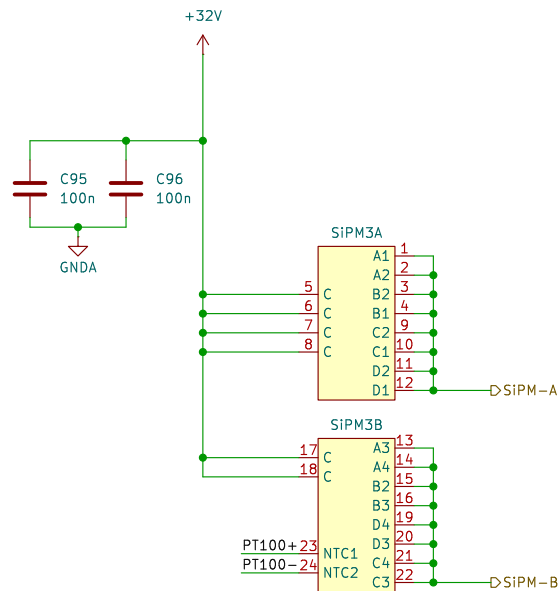
Title: Front-end Electronics for SiPM

Size: A4 Date: 2024-10-17

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SPARKLE-UNITN ESA ACADEMY

Sheet: /DAQ-B1 FEE SiPM/SiPM-A2/
File: SiPM.kicad_sch

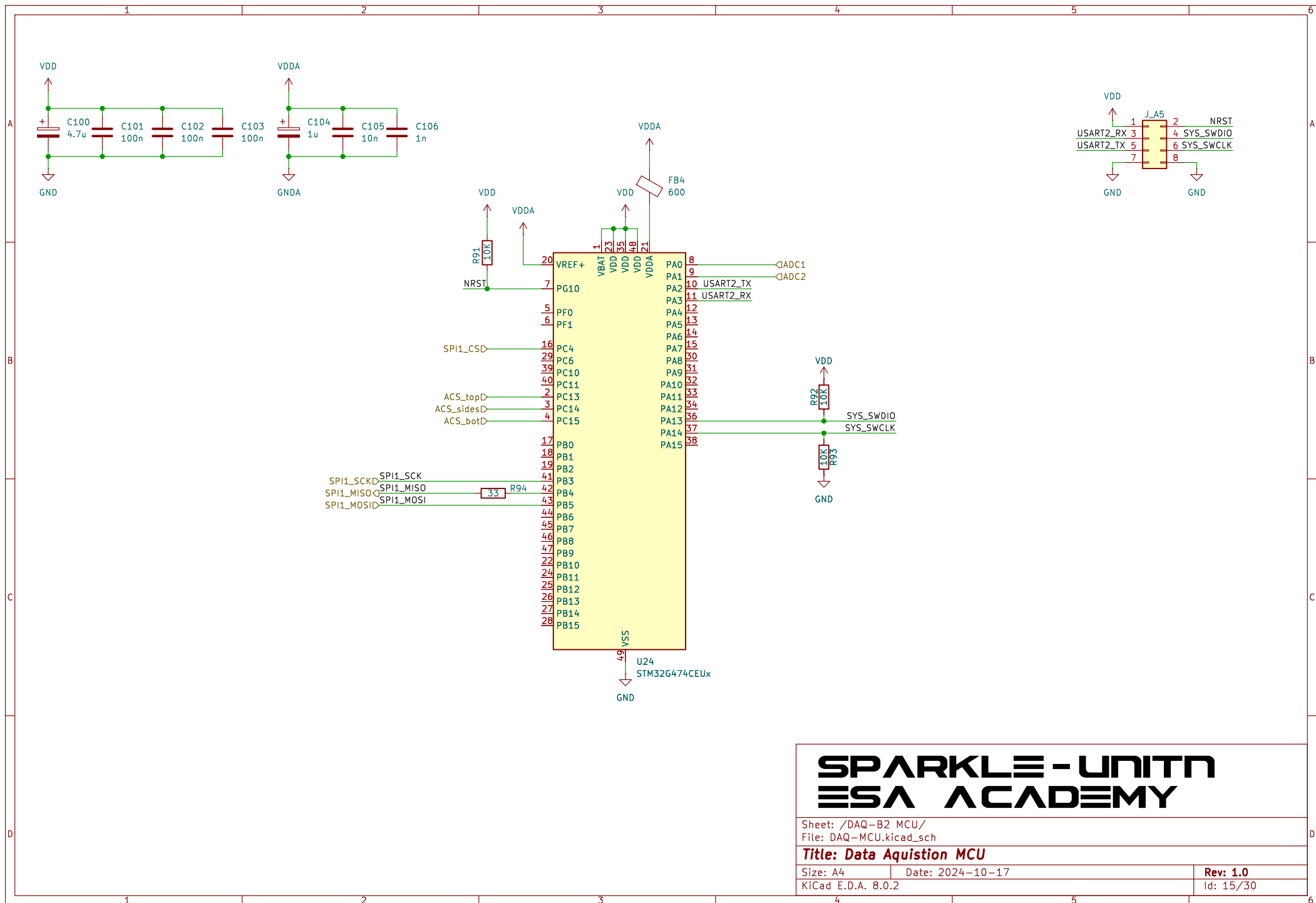
Title: SiPM connector and tempaerature sensing

Size: A4 Date: 2024-10-17

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SPARKLE-UNITN ESA ACADEMY

Sheet: /DAQ-B2 MCU/
File: DAQ-MCU.kicad_sch

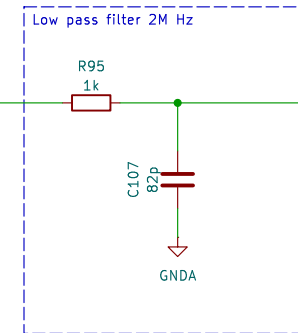
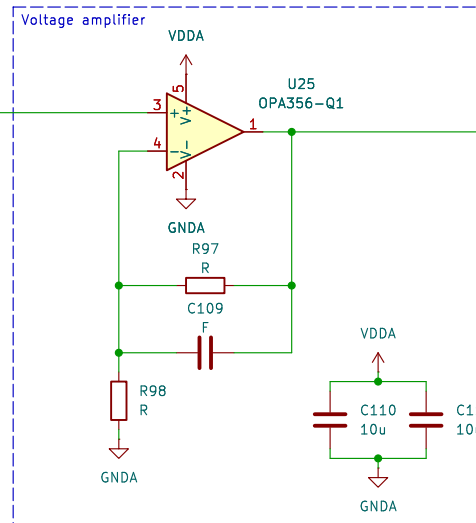
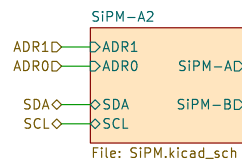
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Size: A4 Date: 2024-10-17

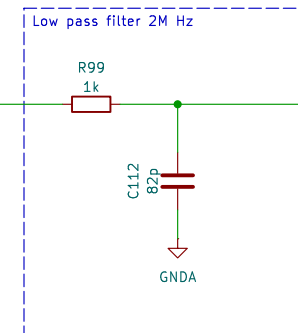
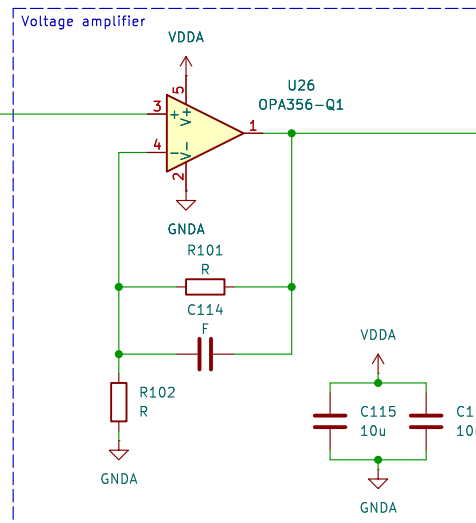
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DS_OUT-A



DS_OUT-B

SPARKLE-UNIT

ESA ACADEMY

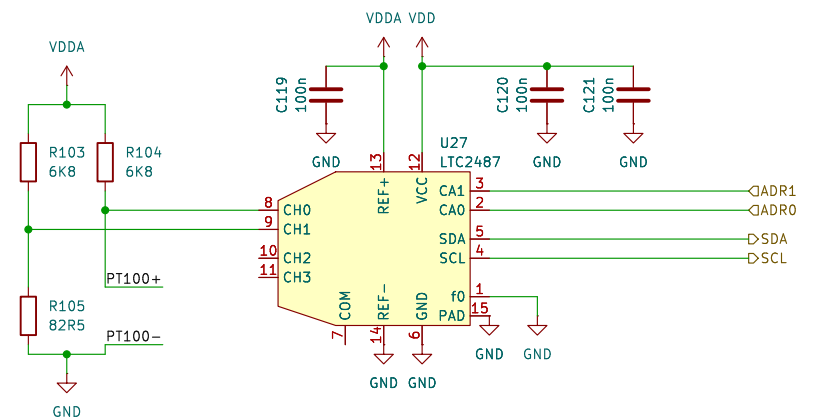
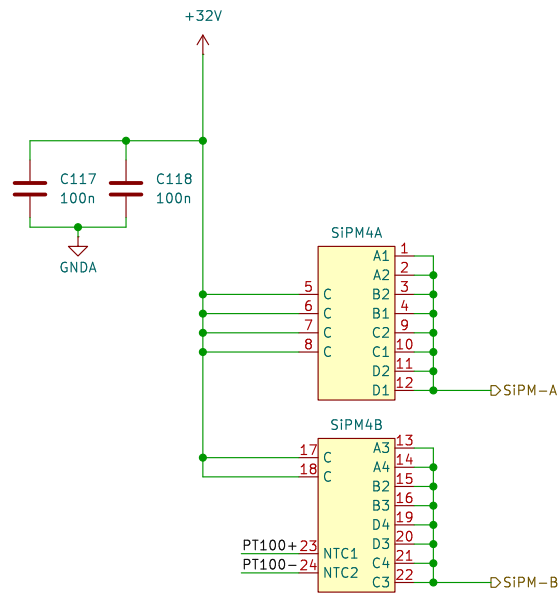
Sheet: /DAQ-B2 FEE 2SiPM/
File: FEE-SiPM_half.kicad_sch

Title: Front-end Electronics for SiPM

Size: A4
KiCad E.D.A. 8.0.2

Date: 2024-10-17

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SPARKLE-UNIT

ESA ACADEMY

Sheet: /DAQ-B2 FEE 2SiPM/SiPM-A2/
File: SiPM.kicad_sch

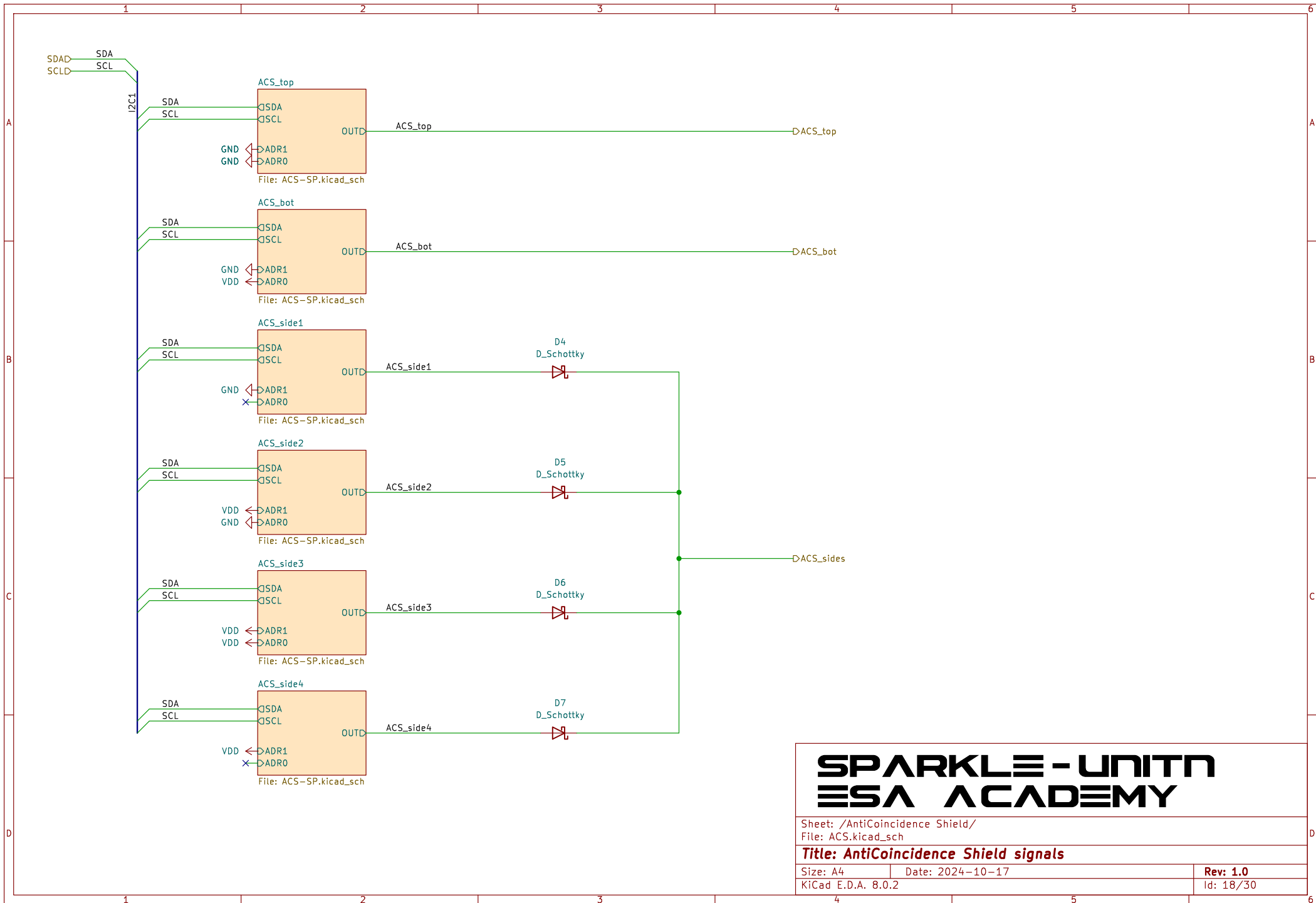
Title: SiPM connector and temperature sensing

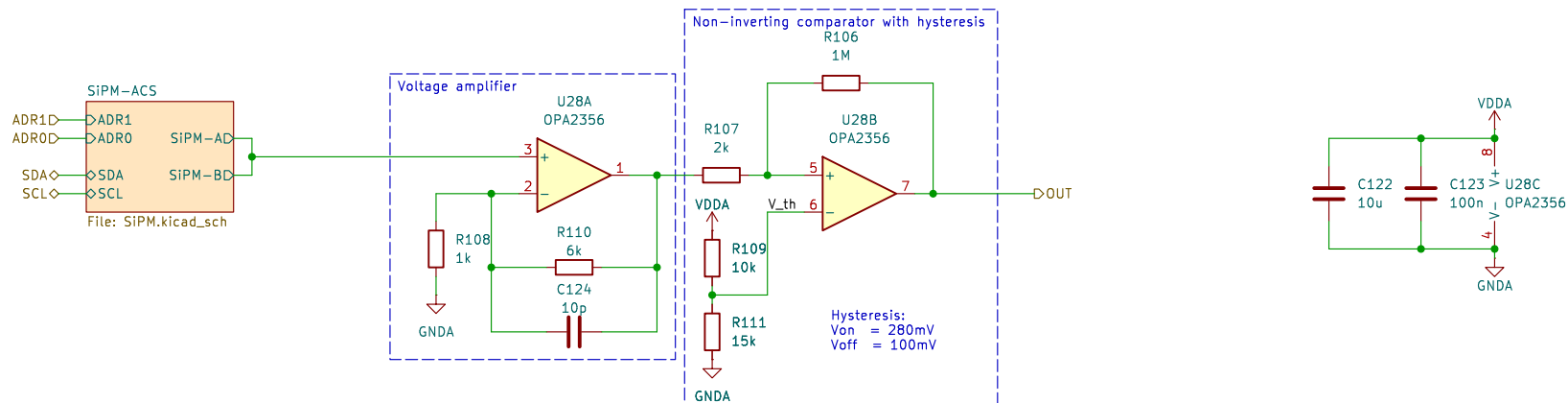
Size: A4 Date: 2024-10-17

KiCad E.D.A. 8.0.2

Rev: 1.0

Id: 17/30





SPARKLE-UNIT

ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_top/
File: ACS-SP.kicad_sch

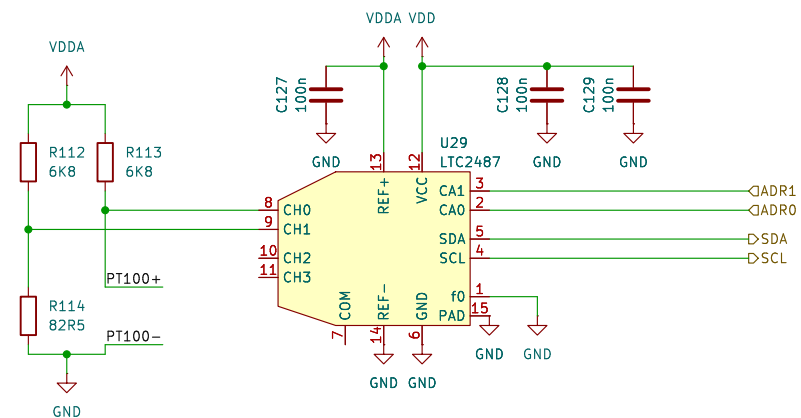
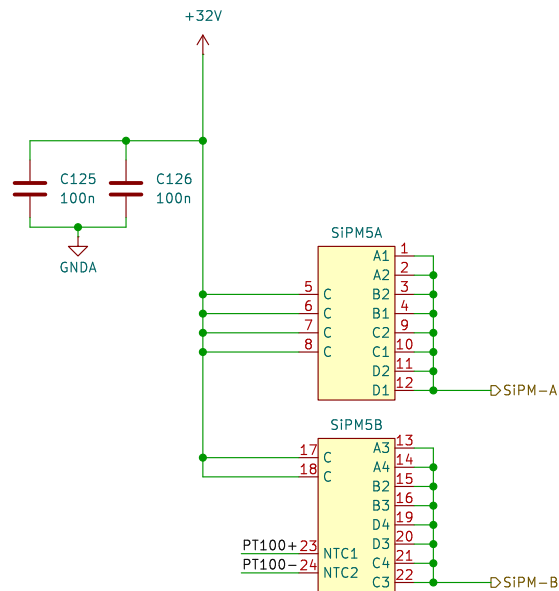
Title: ACS signal conditioning

Size: A4 Date: 2024-10-17

KiCad E.D.A. 8.0.2

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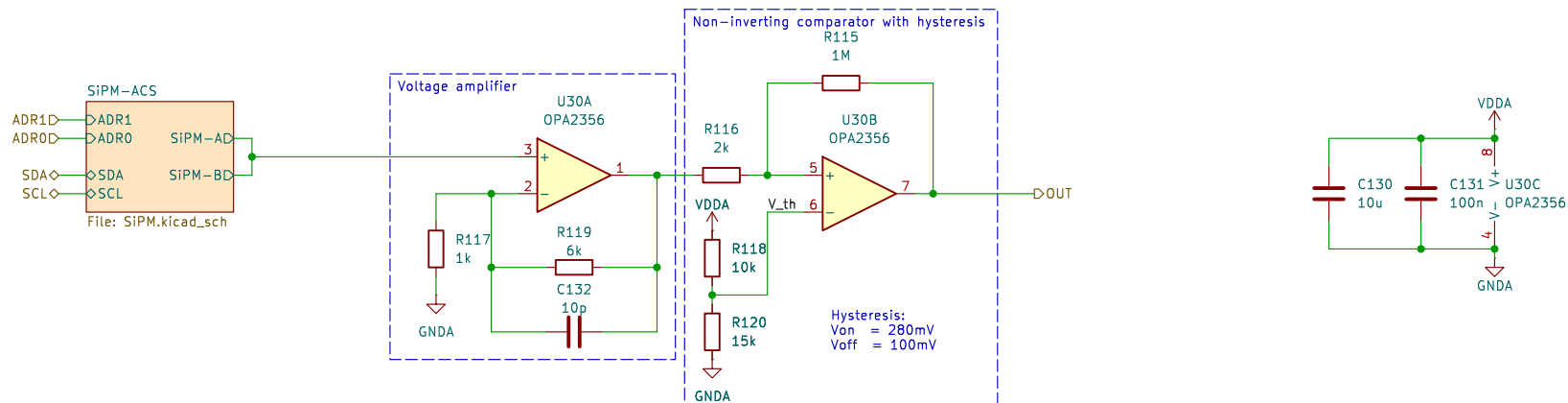


SPARKLE-UNIT ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_top/SiPM-ACS/
File: SiPM.kicad_sch

Title: SiPM connector and tempaerature sensing

Size: A4	Date: 2024-10-17	Rev: 1.0
KiCad E.D.A. 8.0.2		Id: 20/30



SPARKLE-UNIT
ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_bot/
File: ACS-SP.kicad_sch

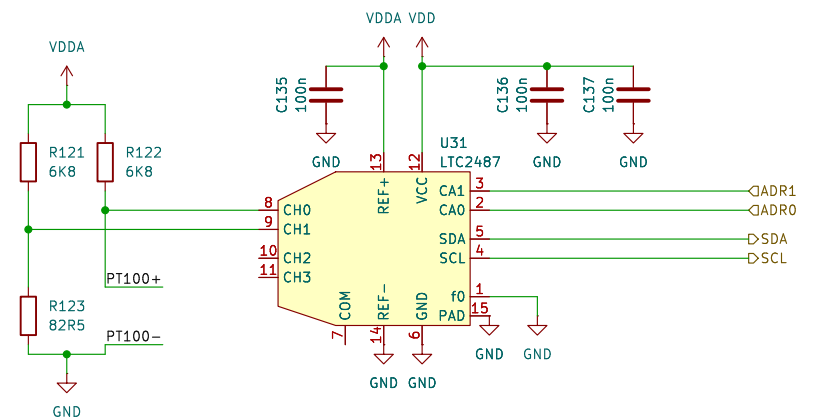
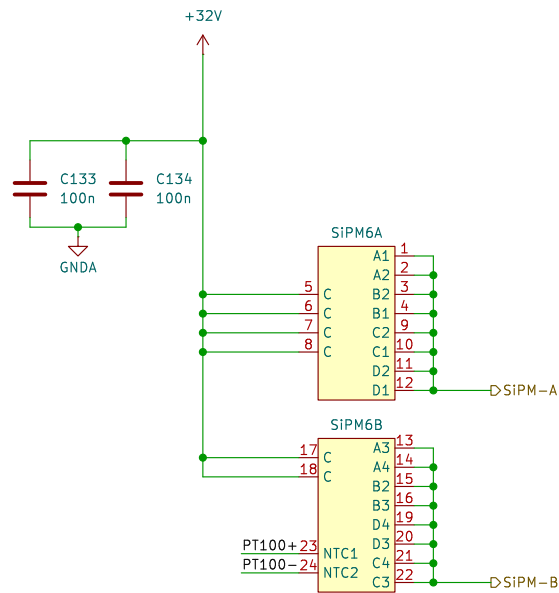
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Size: A4 Date: 2024-10-17

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Rev: 1.0

Id: 21/30



SPARKLE-UNIT

ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_bot/SiPM-ACS/
File: SiPM.kicad_sch

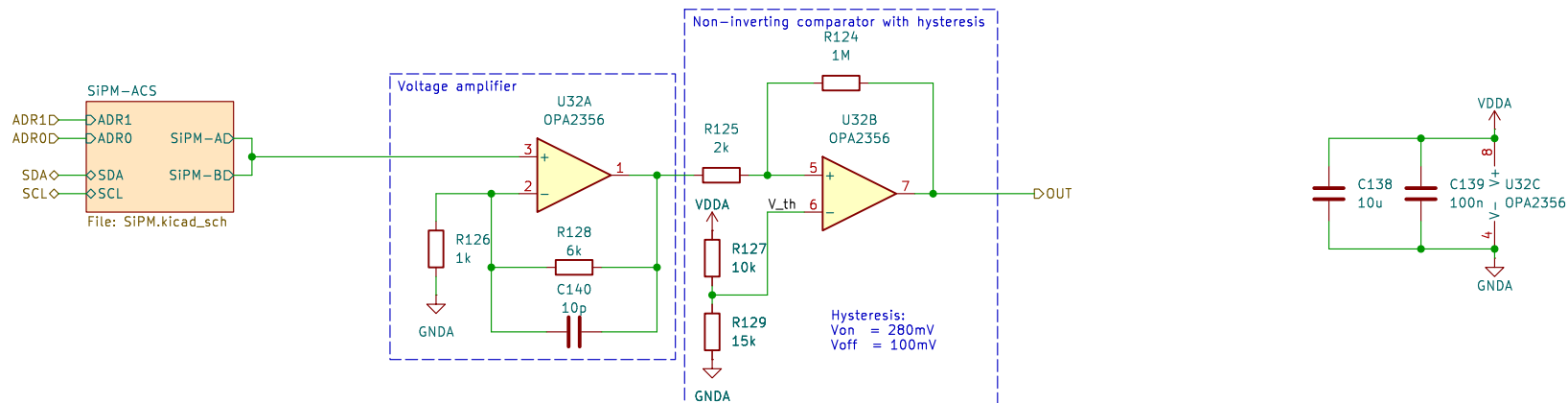
Title: SiPM connector and temperature sensing

Size: A4 Date: 2024-10-17

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Rev: 1.0

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SPARKLE-UNIT

ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_side1/
 File: ACS-SP.kicad_sch

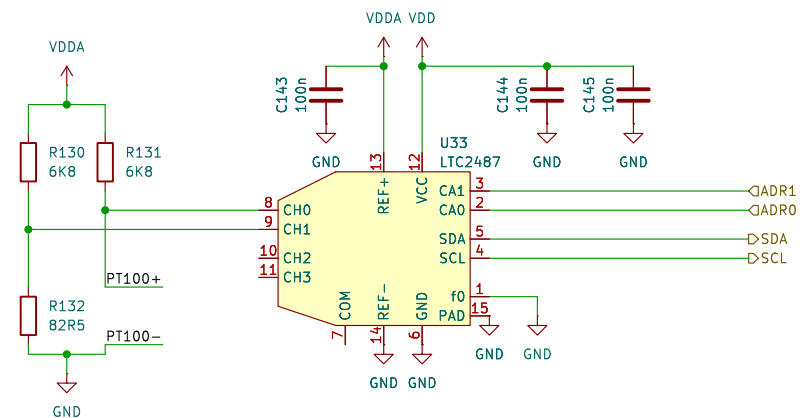
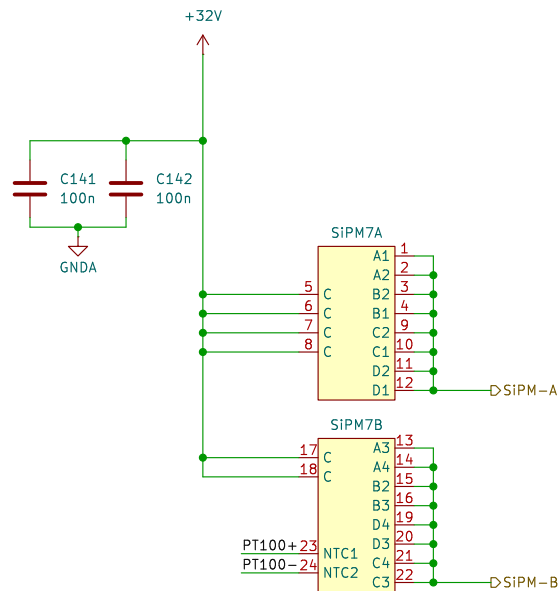
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Size: A4 Date: 2024-10-17

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Id: 23/30



SPARKLE-UNIT

ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_side1/SiPM-ACS/
File: SiPM.kicad_sch

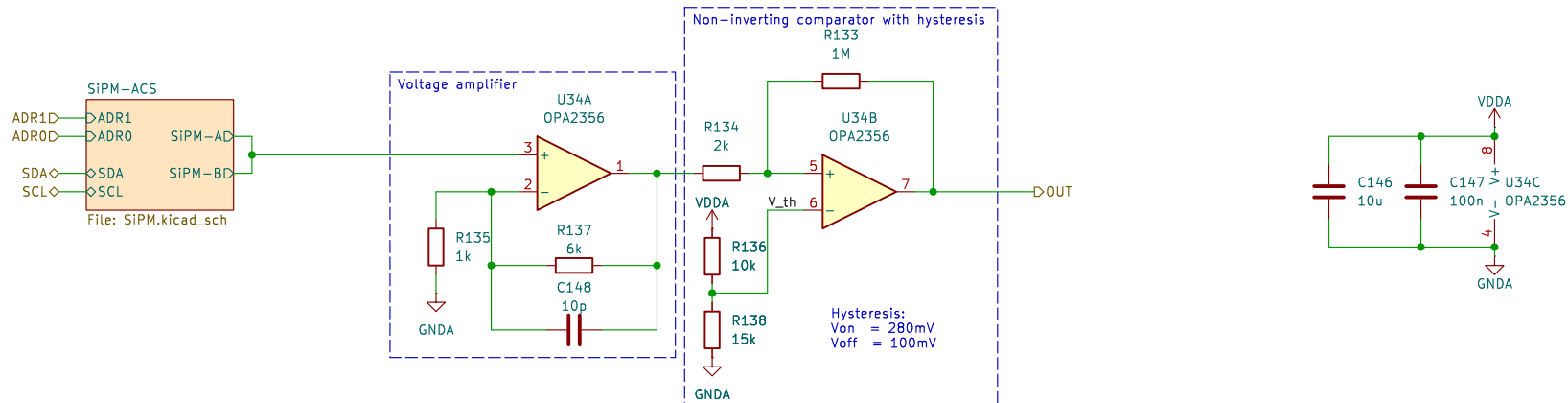
Title: SiPM connector and temperature sensing

Size: A4 Date: 2024-10-17

KiCad E.D.A. 8.0.2

Rev: 1.0

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SPARKLE-UNIT

ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_side2/
File: ACS-SP.kicad_sch

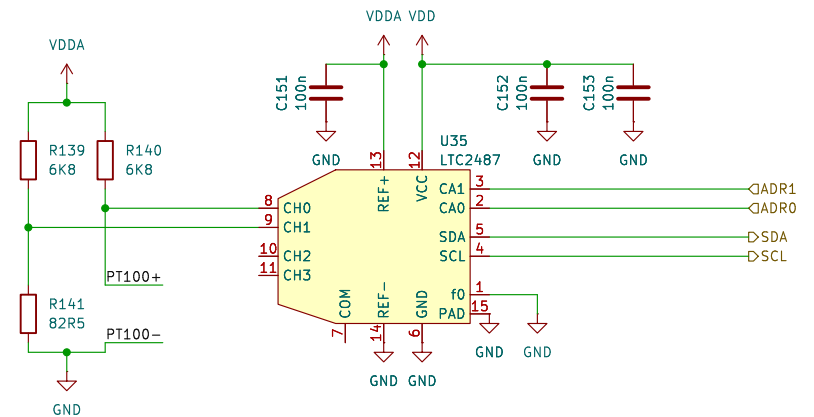
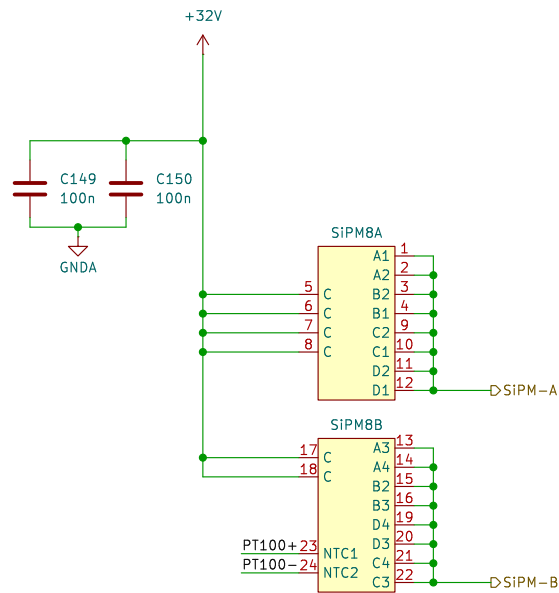
Title: ACS signal conditioning

Size: A4 Date: 2024-10-17

KiCad E.D.A. 8.0.2

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SPARKLE-UNITN ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_side2/SiPM-ACS/
File: SiPM.kicad_sch

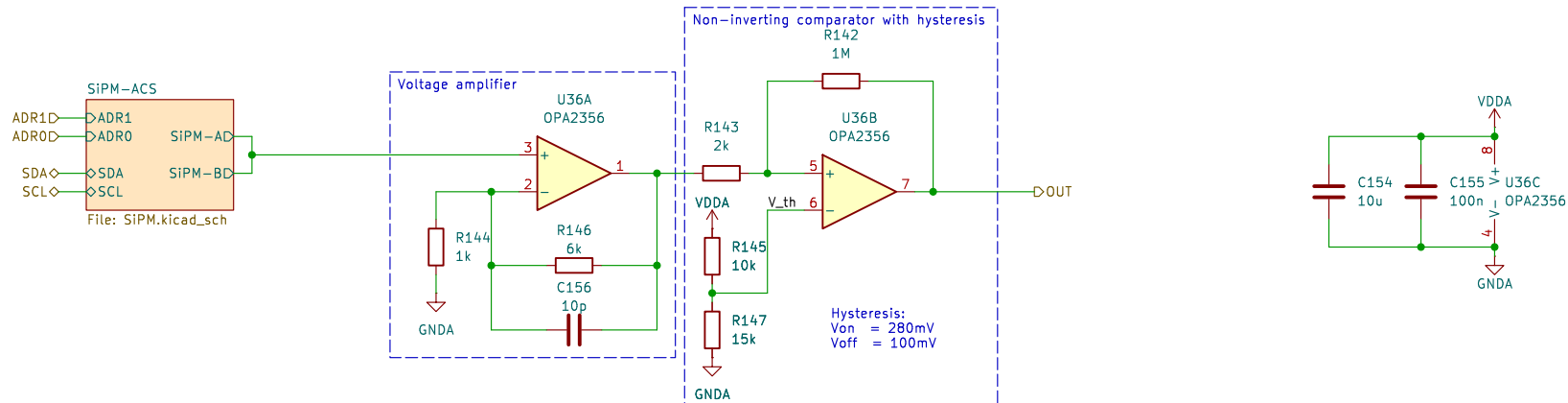
Title: SiPM connector and tempaerature sensing

Size: A4 Date: 2024-10-17

Rev: 1.0

KiCad E.D.A. 8.0.2

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SPARKLE-UNIT
ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_side3/
File: ACS-SP.kicad_sch

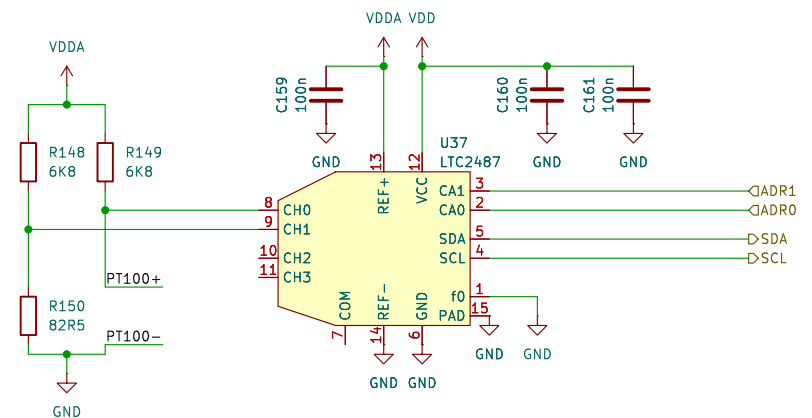
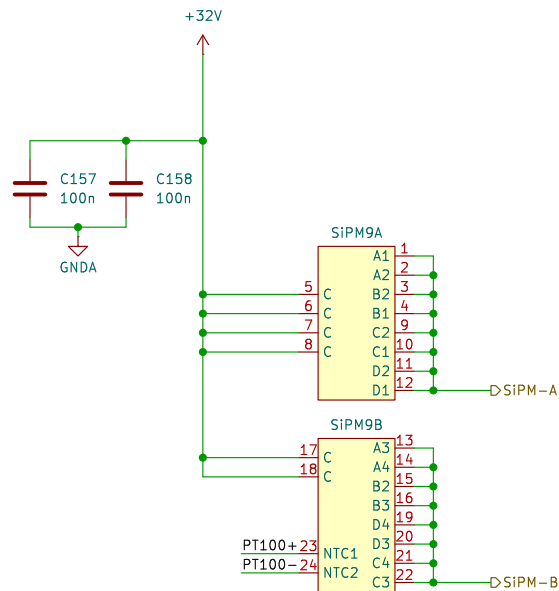
Title: ACS signal conditioning

Size: A4 Date: 2024-10-17

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SPARKLE-UNITN ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_side3/SiPM-ACS/
File: SiPM.kicad_sch

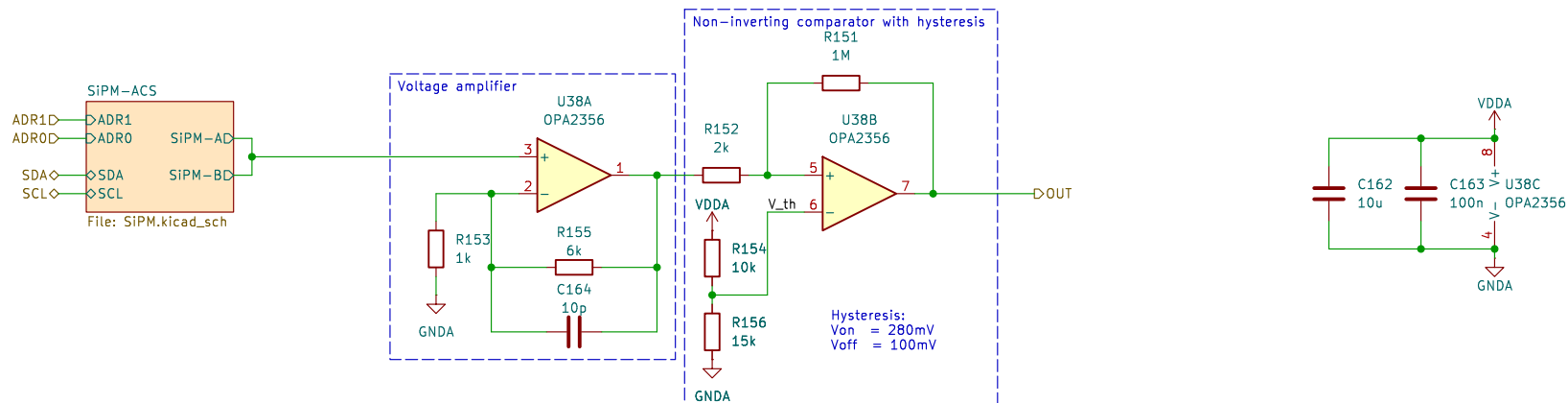
Title: SiPM connector and tempaerature sensing

Size: A4 Date: 2024-10-17

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SPARKLE-UNIT
ESA ACADEMY

Sheet: /AntiCoincidence Shield/ACS_side4/
File: ACS-SP.kicad_sch

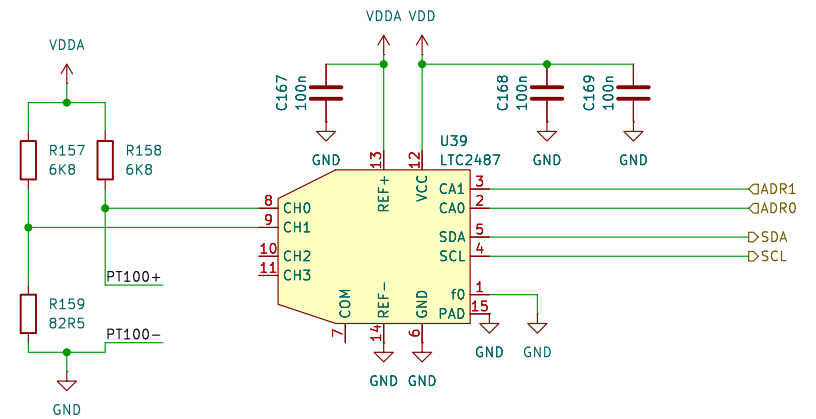
Title: ACS signal conditioning

Size: A4 Date: 2024-10-17

KiCad E.D.A. 8.0.2

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Sheet: /AntiCoincidence Shield/ACS_side4/SiPM-ACS/
File: SiPM.kicad_sch

Size: A4	Date: 2024-10-17
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