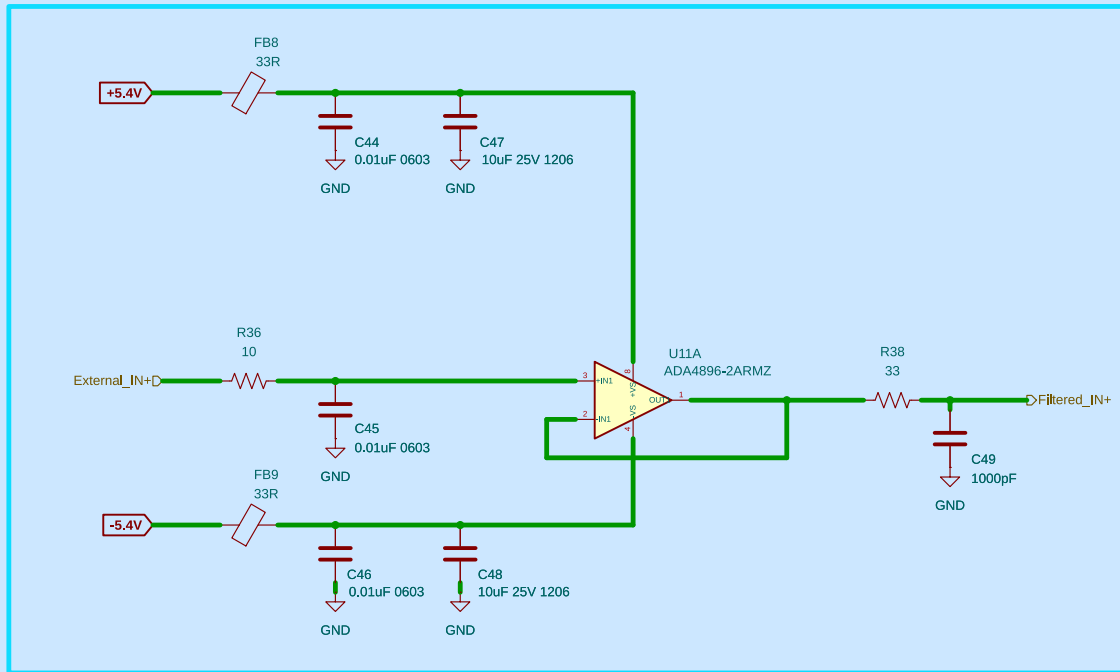
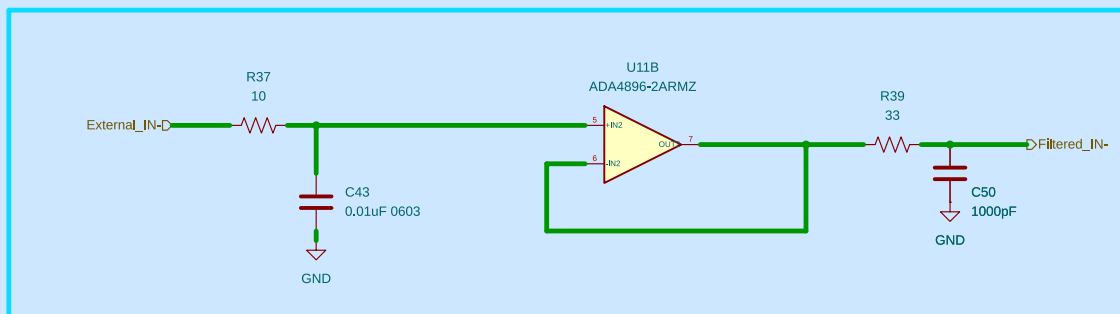


Signal Conditioning & Buffering [IN +]



Signal Conditioning & Buffering [IN -]



N-Well Labs

Sheet: /ADC Driver Stage - Final Buffer CH A/
File: ADC_Driver_Stage-Final-Buffer.kicad_sch

Title: NanoPulse - ADC Driver Stage

Size: A4

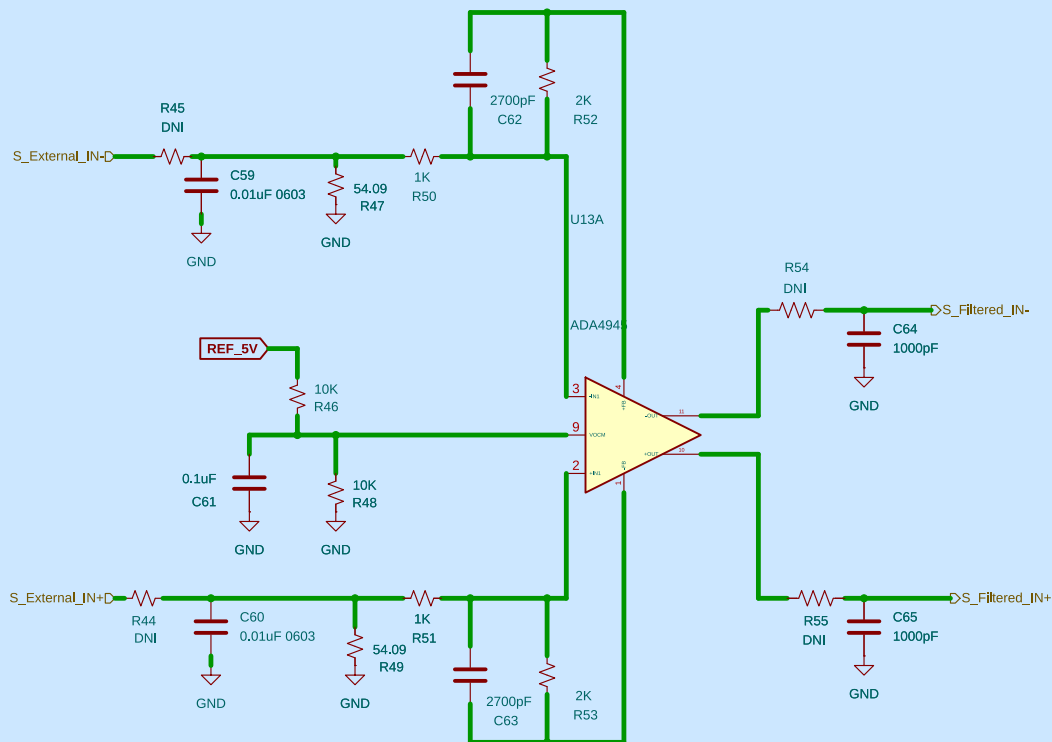
Date: 2025-07-10

Rev: Rev 1

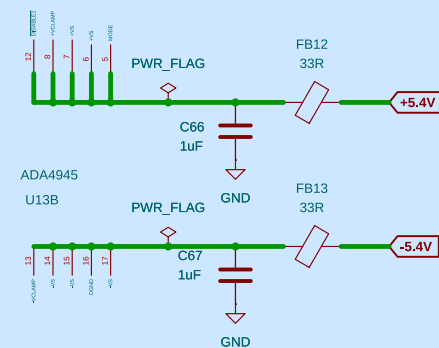
KiCad E.D.A. 9.0.3

Id: 5/10

Signal Conditioning & ADC Driver [Single to Diff]



Power Conditioning for Op-Amp



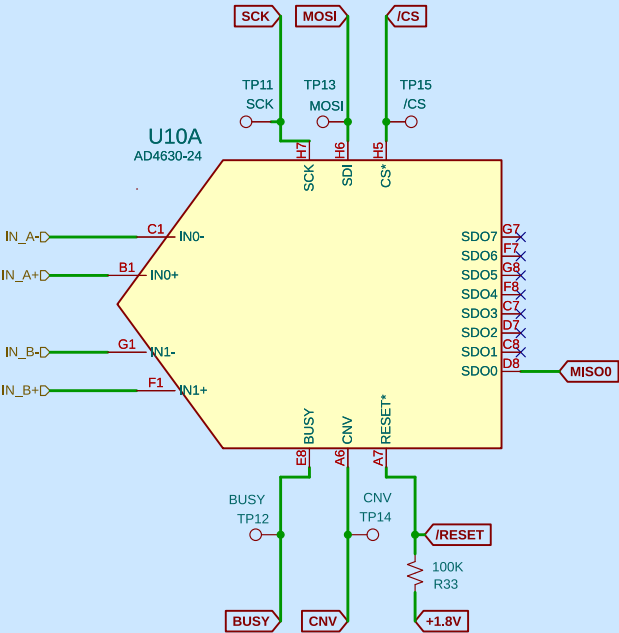
N-Well Labs

Sheet: /Single To Differential Driver Stage CH A/
File: Single_To_Diff_Driver_Stage.kicad_sch

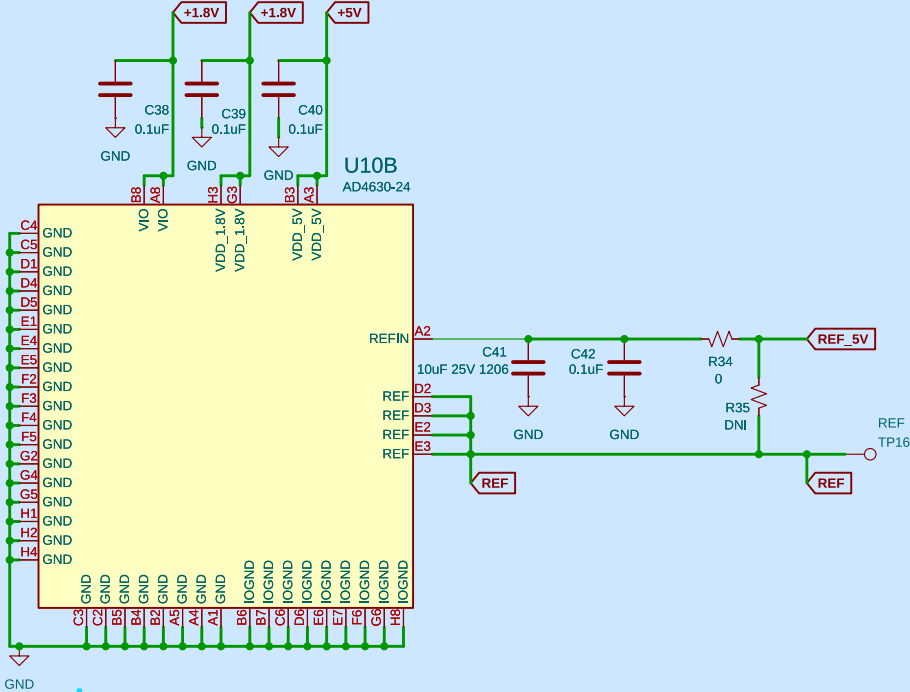
Title: NanoPulse - Single to Diff Driver

Size: A4	Date: 2025-07-11	Rev: Rev 1
KiCad E.D.A. 9.0.3		Id: 7/10

Analog Interface



Power and Reference



N-Well Labs

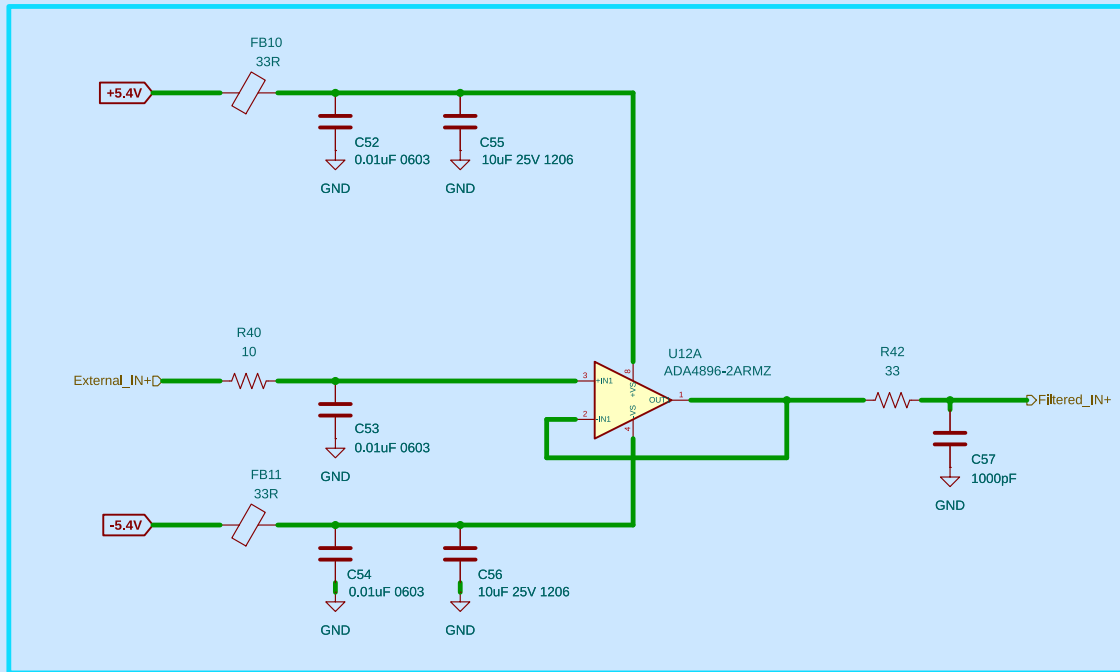
Sheet: /ADC/
File: ADC.kicad_sch

Title: NanoPulse - ADC

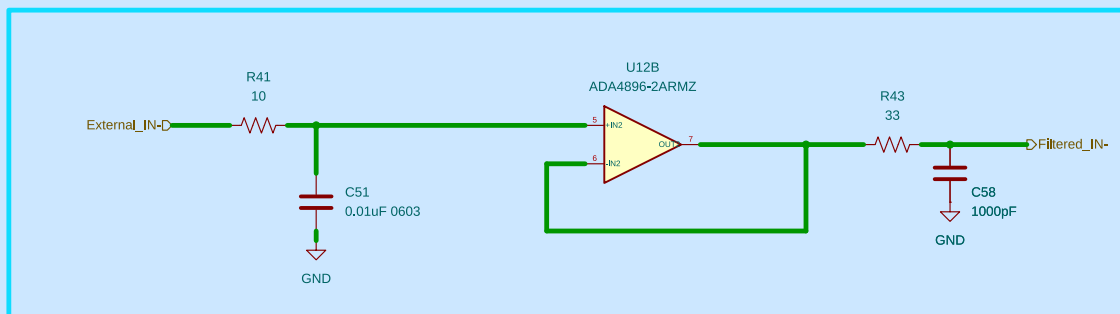
Size: A4
Date: 2025-07-10
KiCad E.D.A. 9.0.3

Rev: Rev 1
Id: 4/10

Signal Conditioning & Buffering [IN +]



Signal Conditioning & Buffering [IN -]



N-Well Labs

Sheet: /ADC Driver Stage - Final Buffer CH B/
File: ADC_Driver_Stage-Final-Buffer.kicad_sch

Title: NanoPulse - ADC Driver Stage

Size: A4

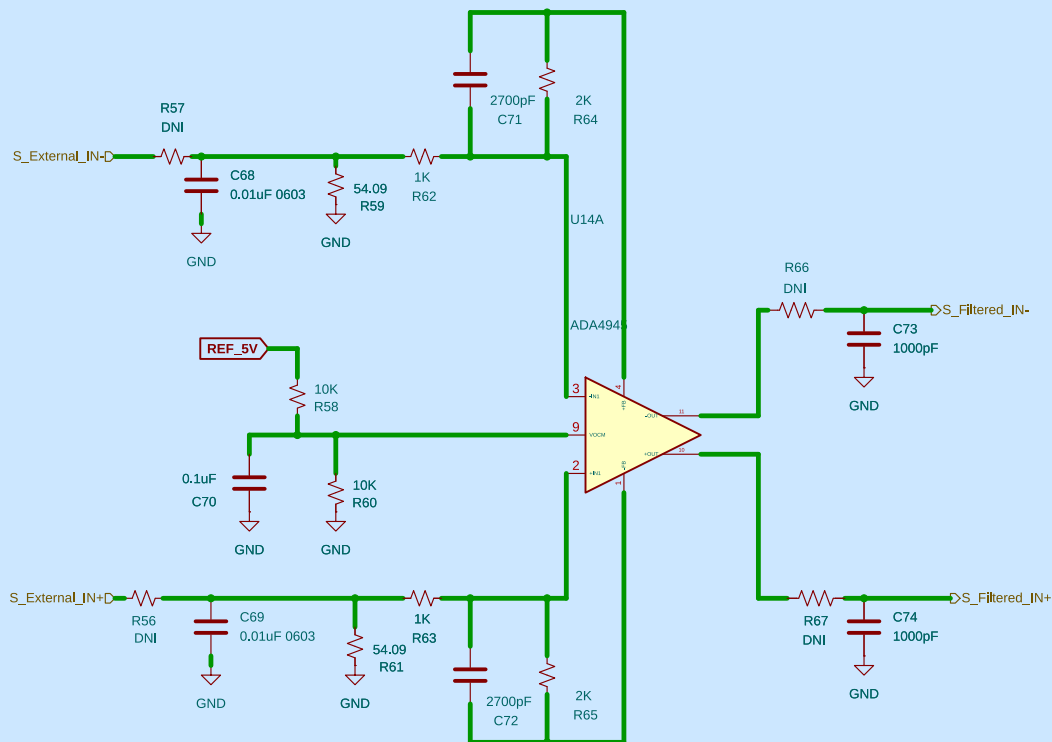
Date: 2025-07-10

Rev: Rev 1

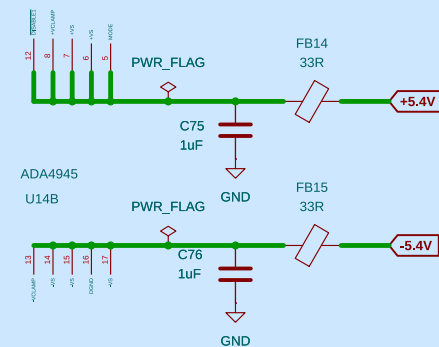
KiCad E.D.A. 9.0.3

Id: 6/10

Signal Conditioning & ADC Driver [Single to Diff]



Power Conditioning for Op-Amp



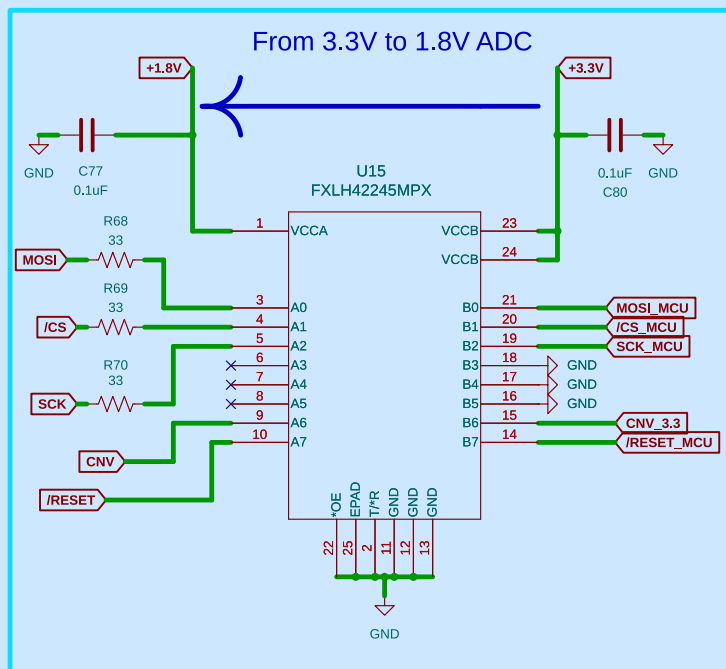
N-Well Labs

Sheet: /Single To Differential Driver Stage CH B/
File: Single_To_Diff_Driver_Stage.kicad_sch

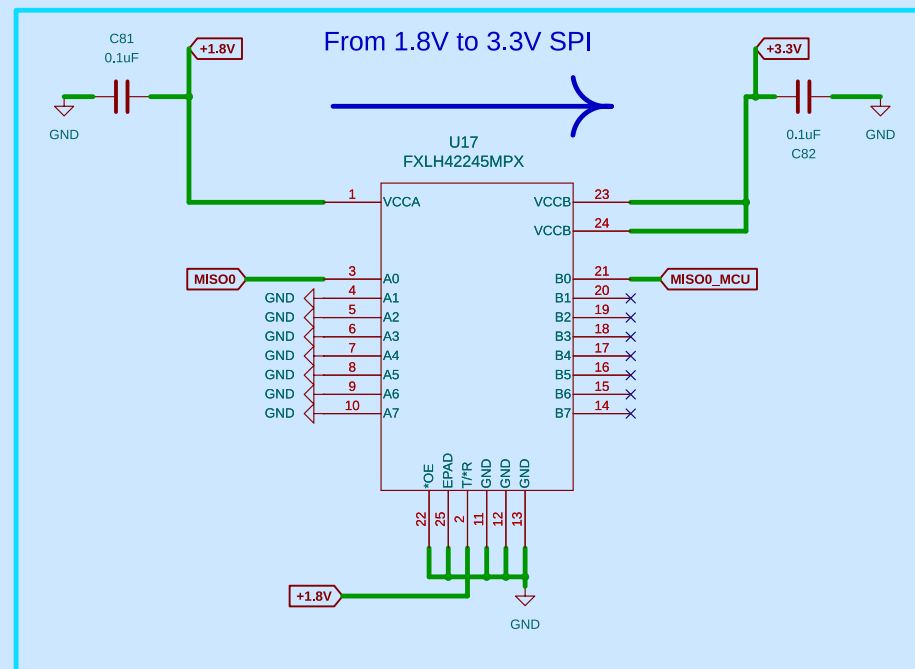
Title: NanoPulse - Single to Diff Driver

Size: A4	Date: 2025-07-11	Rev: Rev 1
KiCad E.D.A. 9.0.3		Id: 8/10

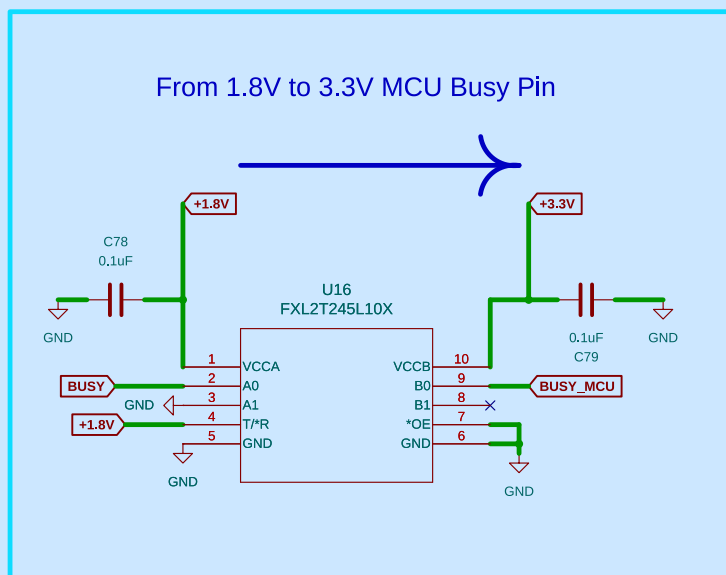
Voltage Level Transilator [1.8V - 3.3V]



Voltage Level Transilator [For Octo-SPI]



Voltage Level Transilator [BUSY]



N-Well Labs

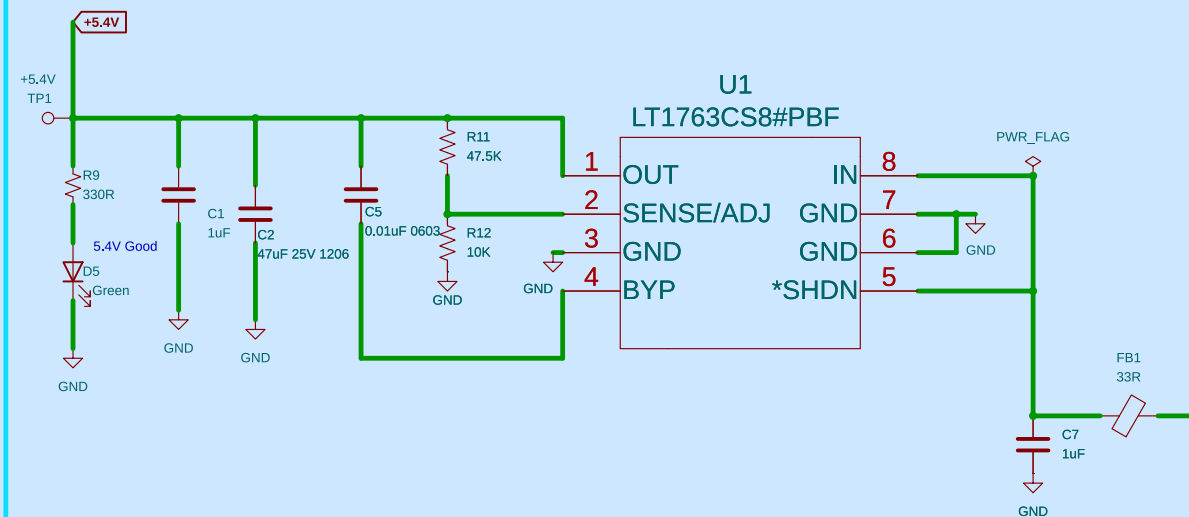
Sheet: /Voltage Translator/
File: Voltage_Translator.kicad_sch

Title: NanoPulse - Violtage Translator

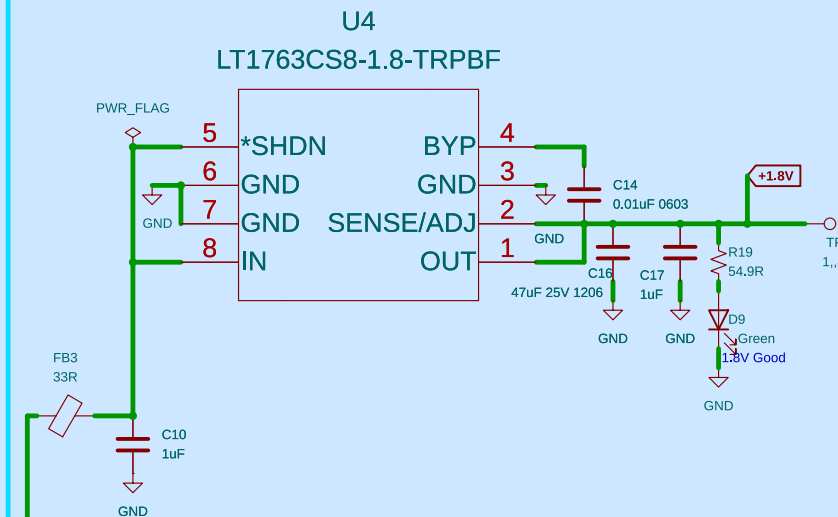
Size: A4 Date: 2025-07-11
KiCad E.D.A. 9.0.3

Rev: Rev1
Id: 9/10

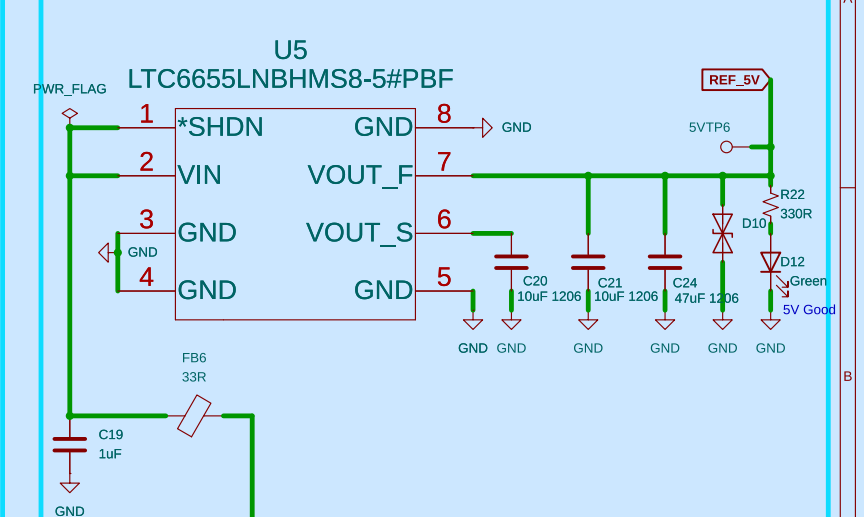
5.4V Analog Positive Rail



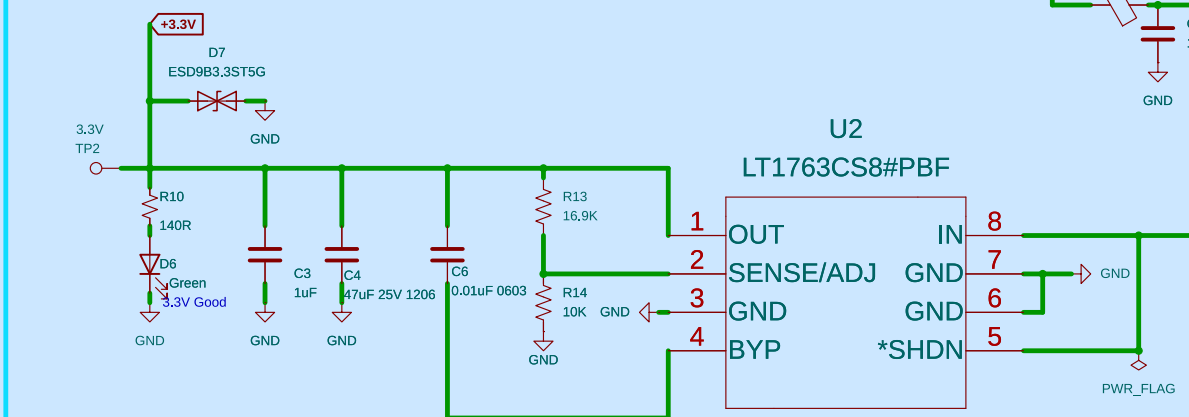
ADC Digital Rail



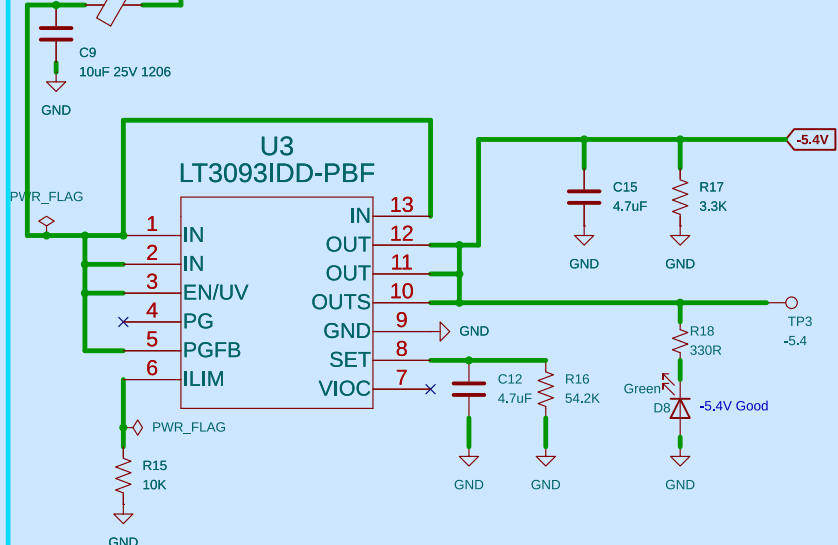
+5V Precision Reference



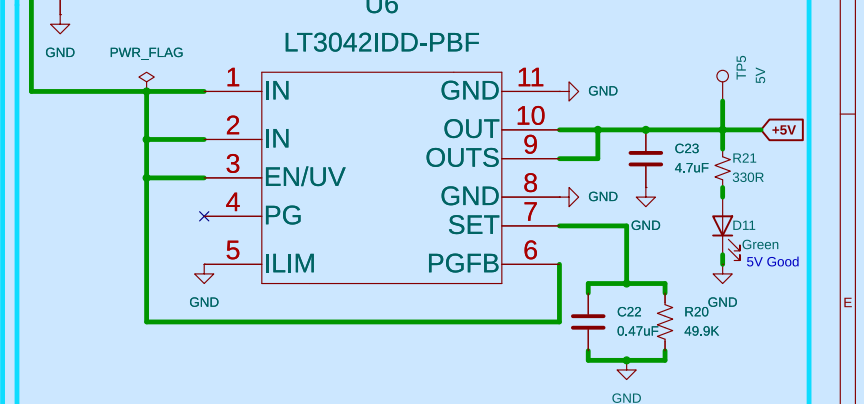
MCU / FPGA Digital Rail



- 5.4V Analog Negative Rail



AD4630 VDD_5V pin



N-Well Labs

Sheet: /Power Management/
File: Power_Management_sch.kicad_sch

Title: NanoPulse - Power Management

Size: A3

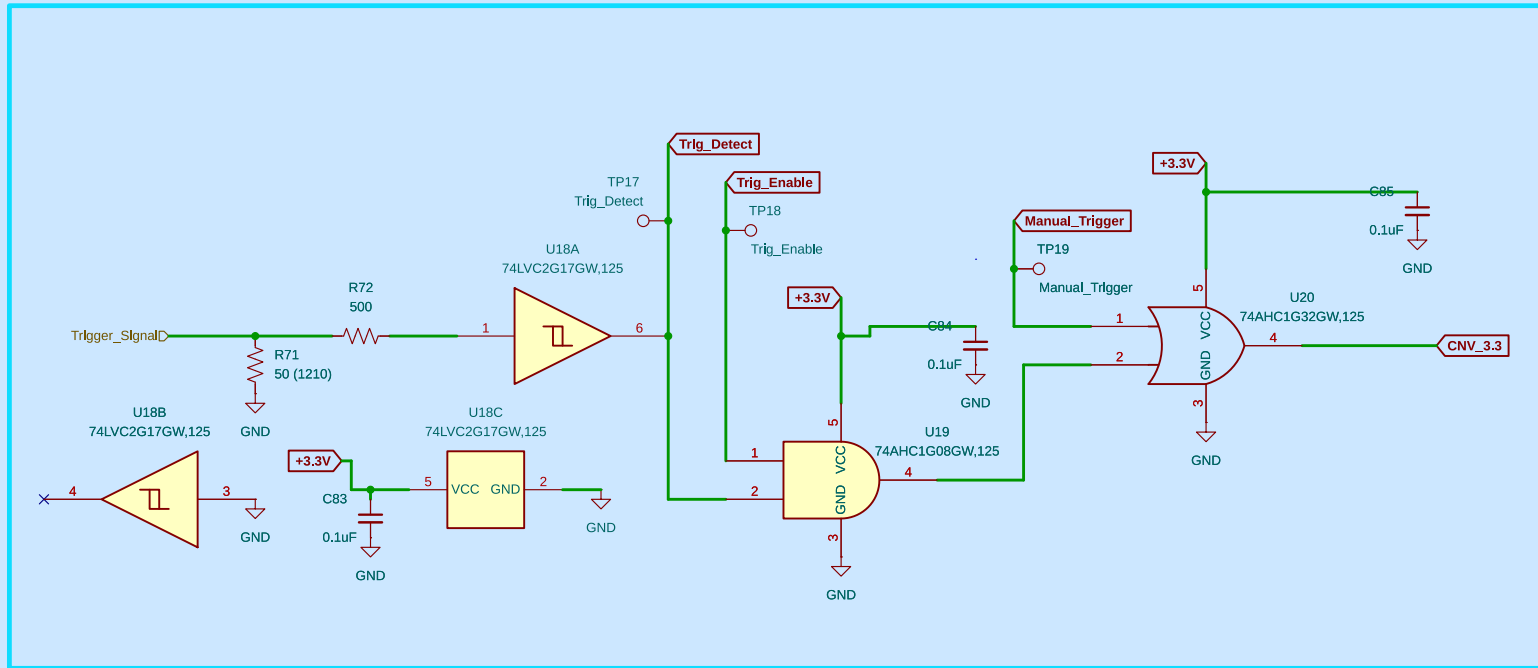
Date: 2025-07-10

Rev: Rev 1

KiCad E.D.A. 9.0.3

Id: 2/10

Trigger Circuit



N-Well Labs

Sheet: /Trigger Circuit/
File: Trigger_Circuit.kicad_sch

Title: NanoPulse - Trigger Circuit

Size: A4	Date: 2025-07-11	Rev: Rev 1
KiCad E.D.A. 9.0.3		Id: 10/10

