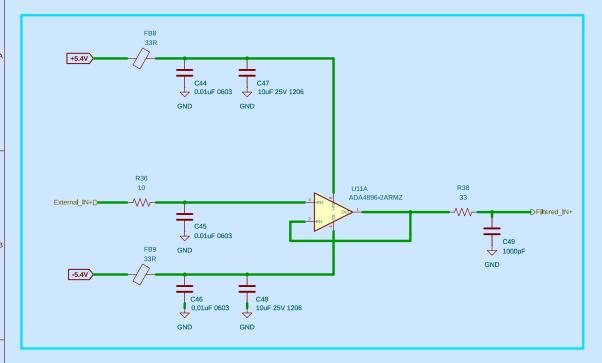
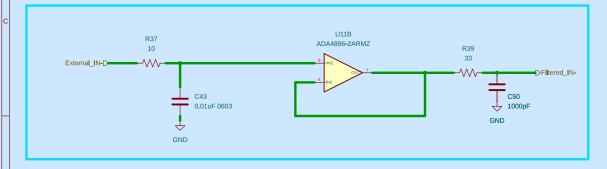


Signal Conditioning & Buffering [IN +]



Signal Conditioning & Buffering [IN -]



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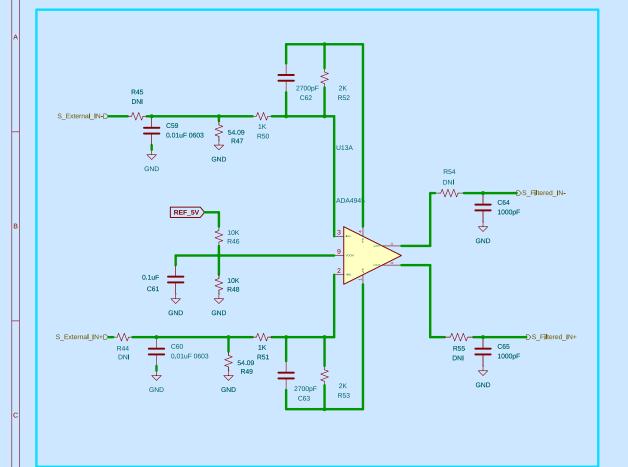
Sheet: /ADC Driver Stage - Final Buffer CH A/ File: ADC_Driver_Stage-Final-Buffer.kicad_sch

Title: NanoPulse - ADC Driver Stage

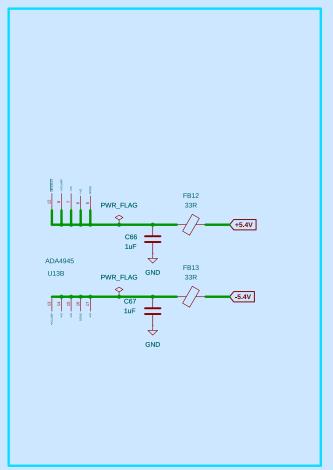
 Size: A4
 Date: 2025-07-10
 Rev: Rev 1

 KiCad E.D.A. 9.0.3
 Id: 5/10

Signal Conditioning & ADC Driver [Single to Diff]



Power Conditioning for Op-Amp



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

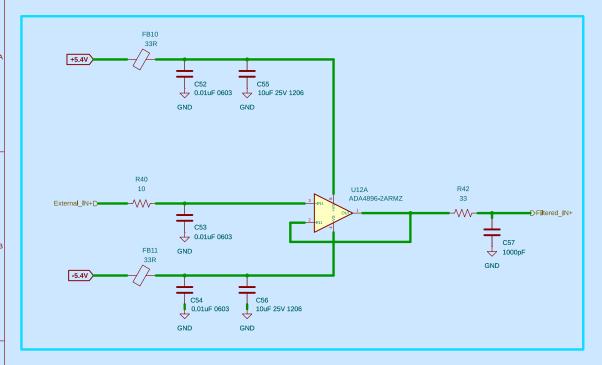
Title: NanoPulse - Single to Diff Driver

 Size: A4
 Date: 2025-07-11
 Rev: Rev 1

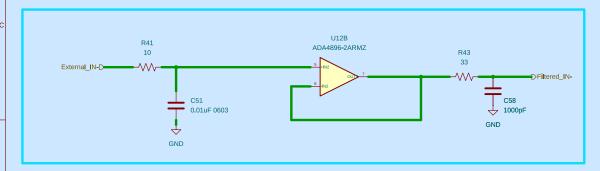
 KiCad E.D.A. 9.0.3
 Id: 7/10

Analog Interface Power and Reference +1.8V C39 0.1uF SCK MOSI *I*CS 0.1uF GND U10B AD4630-24 TP15 TP11 TP13 SCK /CS C4 GND C5 GND D1 GND D4 GND D5 GND E1 GND E1 GND E2 GND E3 GND E4 GND E5 GND E6 GND E6 GND E7 U10A AD4630-24 SDO7 G7 SDO6 F7 SDO5 G8 SDO4 F8 SDO3 C7 SDO2 D7 SDO1 C8 SDO0 D8 REF_5V R34 R35 DNI REF REF GND GND IN_B-D-REF (MISO0 REF REF IN_B+D-CNV BUSY TP14 TP12 /RESET \$ 100n. R33 **1**00K GND BUSY CNV +1.8V N-Well Labs Sheet: /ADC/ File: ADC.kicad_sch Title: NanoPulse - ADC Size: A4 Date: 2025-07-10 Rev: Rev 1 KiCad E.D.A. 9.0.3 Id: 4/10

Signal Conditioning & Buffering [IN +]



Signal Conditioning & Buffering [IN -]



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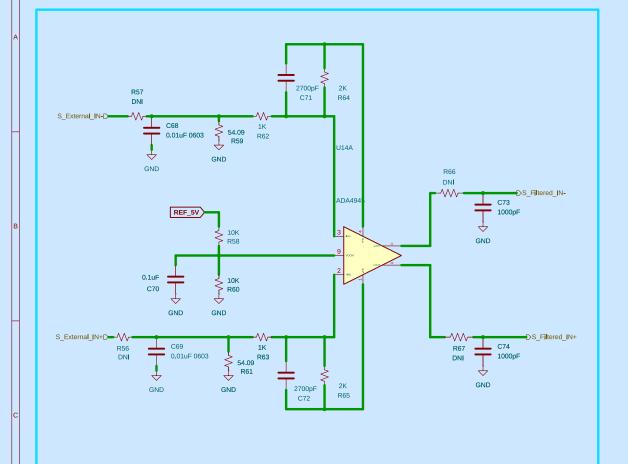
Sheet: /ADC Driver Stage - Final Buffer CH B/ File: ADC_Driver_Stage-Final-Buffer.kicad_sch

Title: NanoPulse - ADC Driver Stage

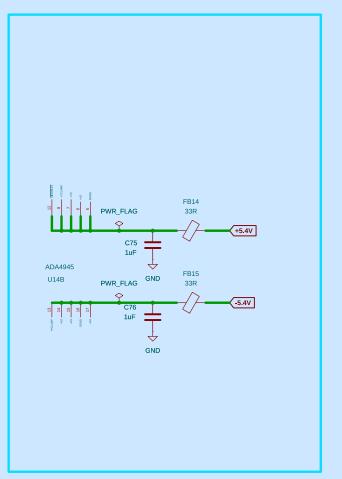
 Size: A4
 Date: 2025-07-10
 Rev: Rev 1

 KiCad E.D.A. 9.0.3
 Id: 6/10

Signal Conditioning & ADC Driver [Single to Diff]



Power Conditioning for Op-Amp



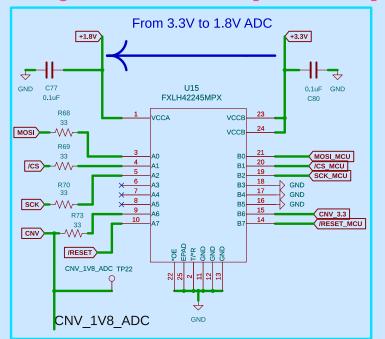
Sheet: /Single To Differential Driver Stage CH B/ File: Single_To_Diff_Driver_Stage.kicad_sch

Title: NanoPulse - Single to Diff Driver

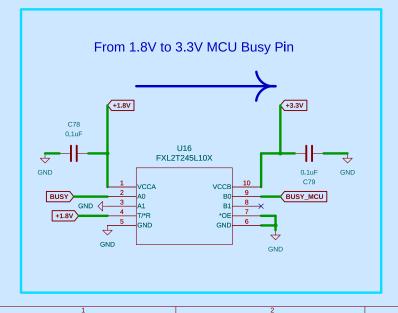
 Size: A4
 Date: 2025-07-11
 Rev: Rev 1

 KiCad E.D.A. 9.0.3
 Id: 8/10

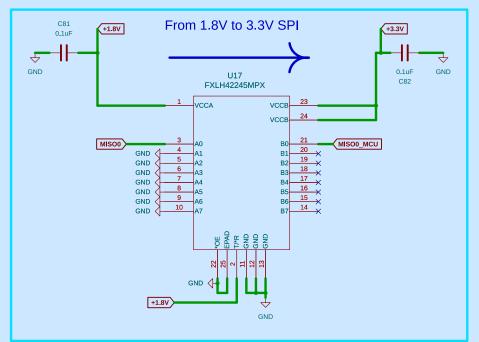
Voltage Level Transilator [1.8V - 3.3V]



Voltage Level Transilator [BUSY]



Voltage Level Transilator [For Octo-SPI]



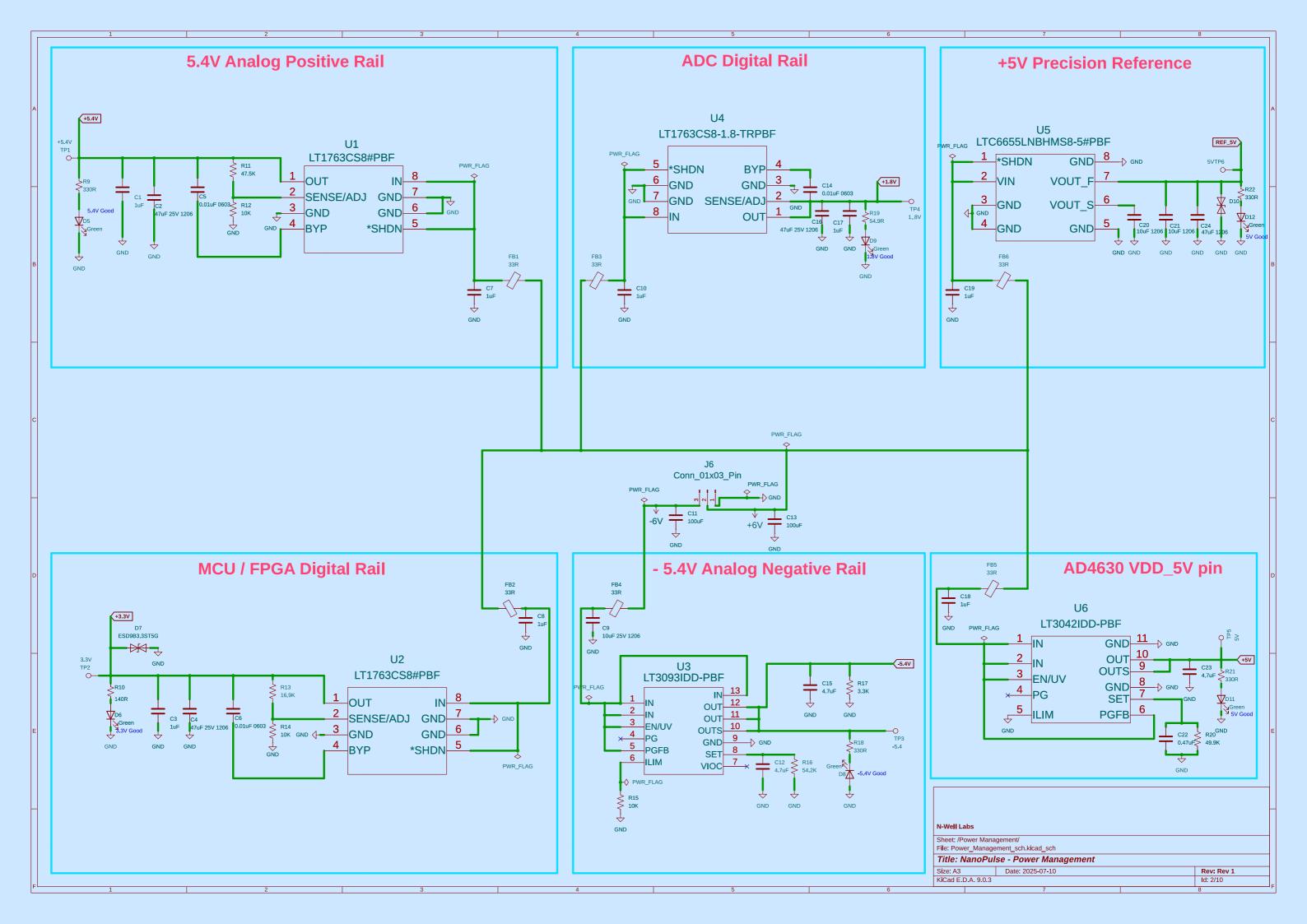
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Sheet: /Voltage Translator/

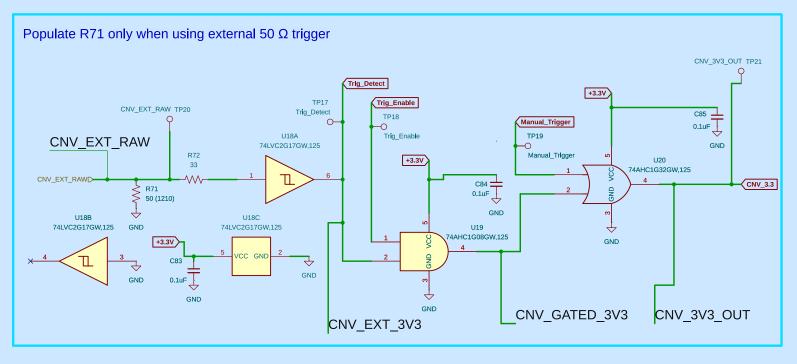
File: Voltage_Translator.kicad_sch

Title: NanoPulse - Violtage Translator

Size: A4 Date: 2025-07-11 Rev: Rev1 KiCad E.D.A. 9.0.3 ld: 9/10



Trigger Circuit



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Sheet: /Trigger Circuit/							
File: Trigger_Circuit.kicad_sch							
Title: NanoPulse - Trigger Circuit							
Size: A4	Date: 2025	Rev: Rev 1					
KiCad E.D.A. 9.0.3				ld: 10/10			
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