


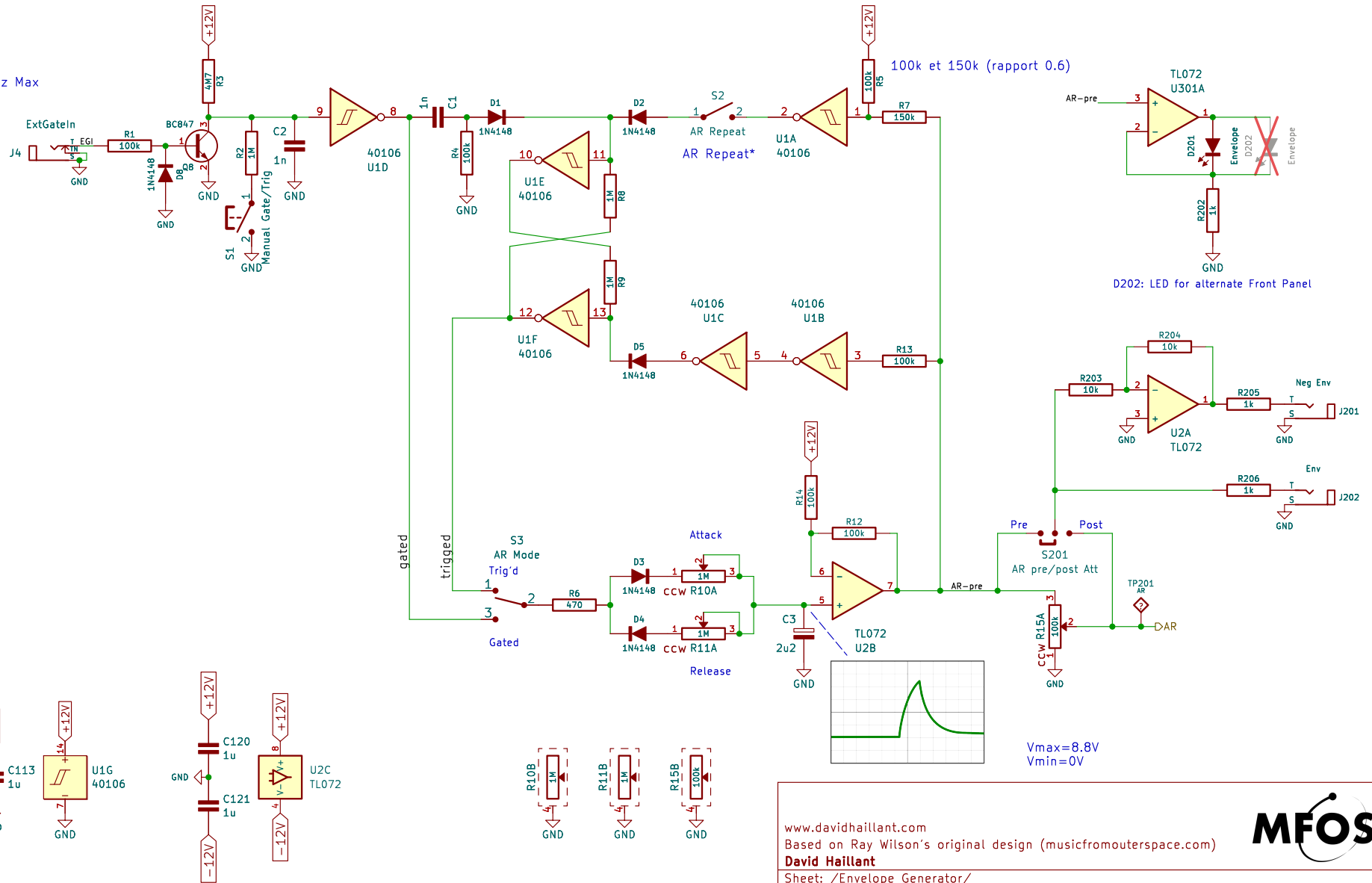
www.davidhailant.com
 Based on Ray Wilson's original design (musicfromouterspace.com)
David Hailant
 Sheet: /
 File: mfos_slms.kicad_sch

Title: MFOS Sound Lab Mini-Synth PLUS – Eurorack SMD Edition

Size: A4	Date: 2025-04-25	Rev: 1.0
KiCad E.D.A. 8.0.9		Id: 1/10



Trig Mode: 120Hz Max
1V minimum



* : (Repeat works only in Trig'd mode)

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Sheet: /Envelope Generator/
File: slms_argen.kicad_sch

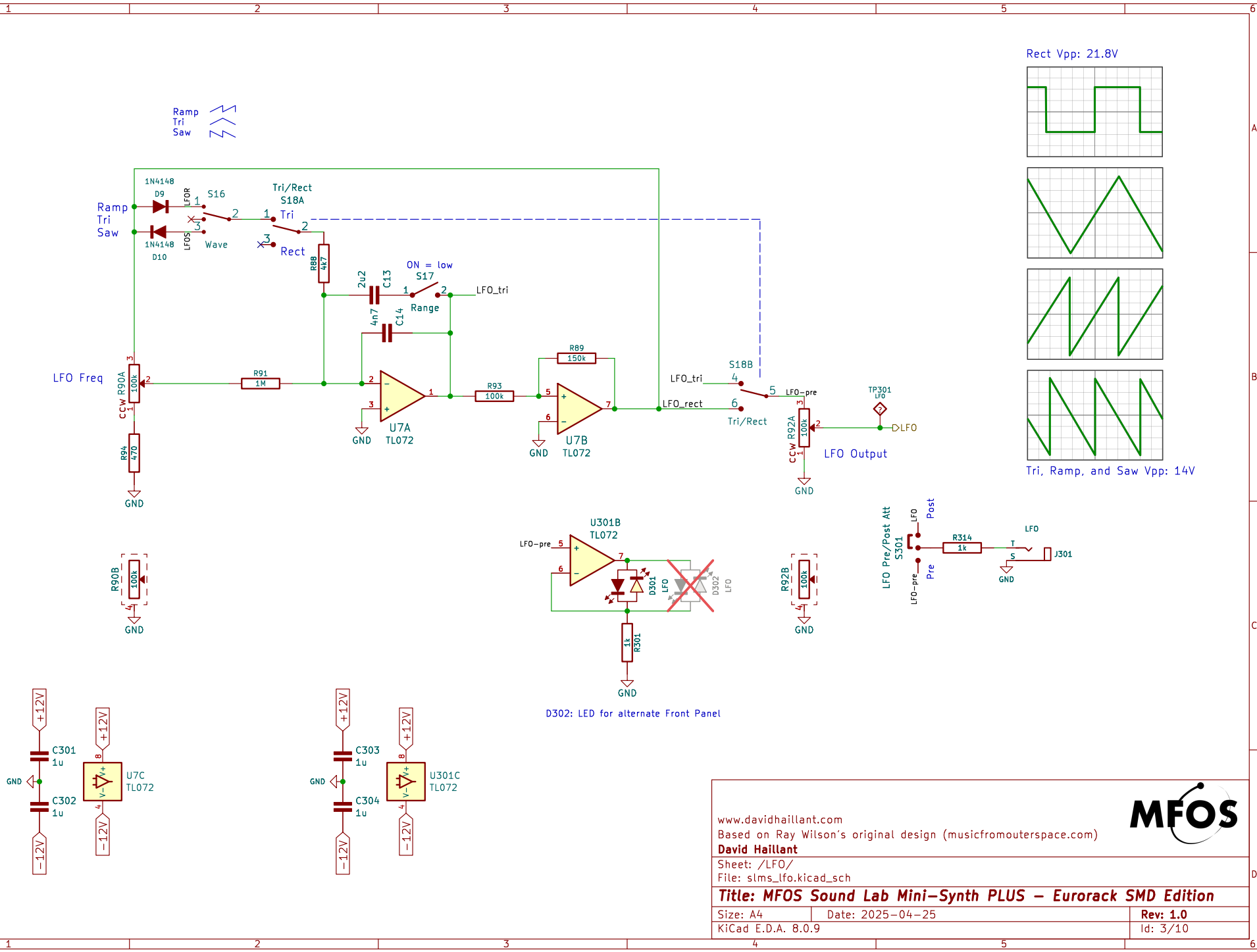
Title: MFOS Sound Lab Mini-Synth PLUS – Eurorack SMD Edition

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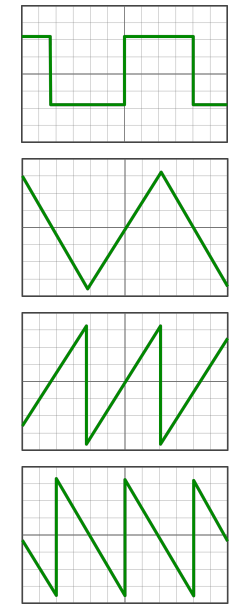
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Ramp
Tri
Saw

Rect Vpp: 21.8V



Tri, Ramp, and Saw Vpp: 14V

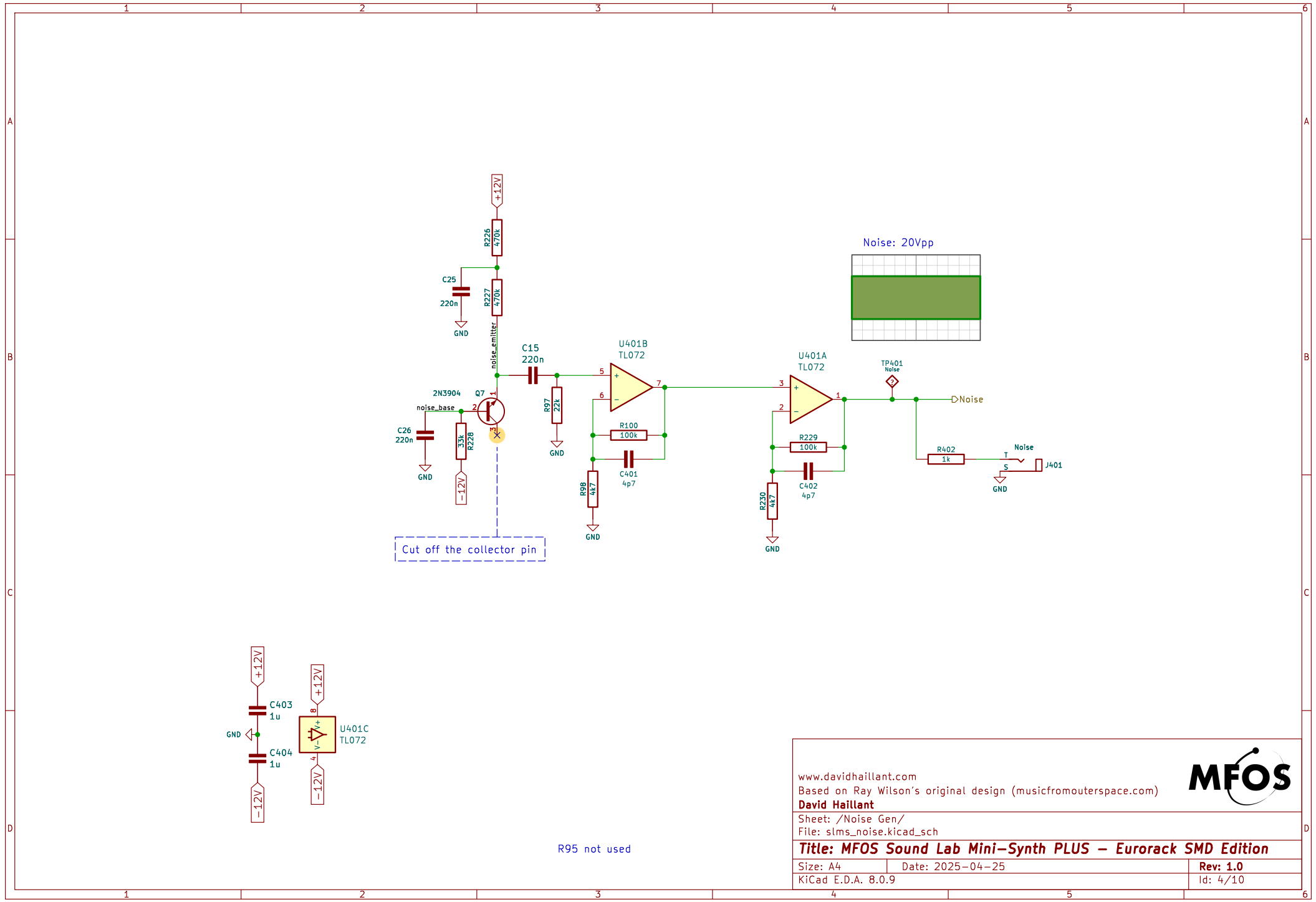
D302: LED for alternate Front Panel

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 Sheet: /LFO/
 File: slms_lfo.kicad_sch

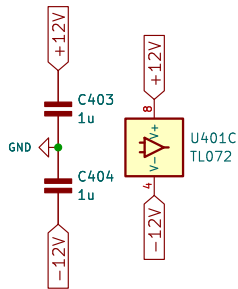
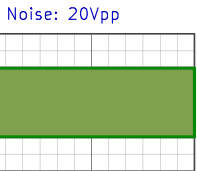
Title: MFOS Sound Lab Mini-Synth PLUS – Eurorack SMD Edition

Size: A4	Date: 2025-04-25	Rev: 1.0
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Cut off the collector pin




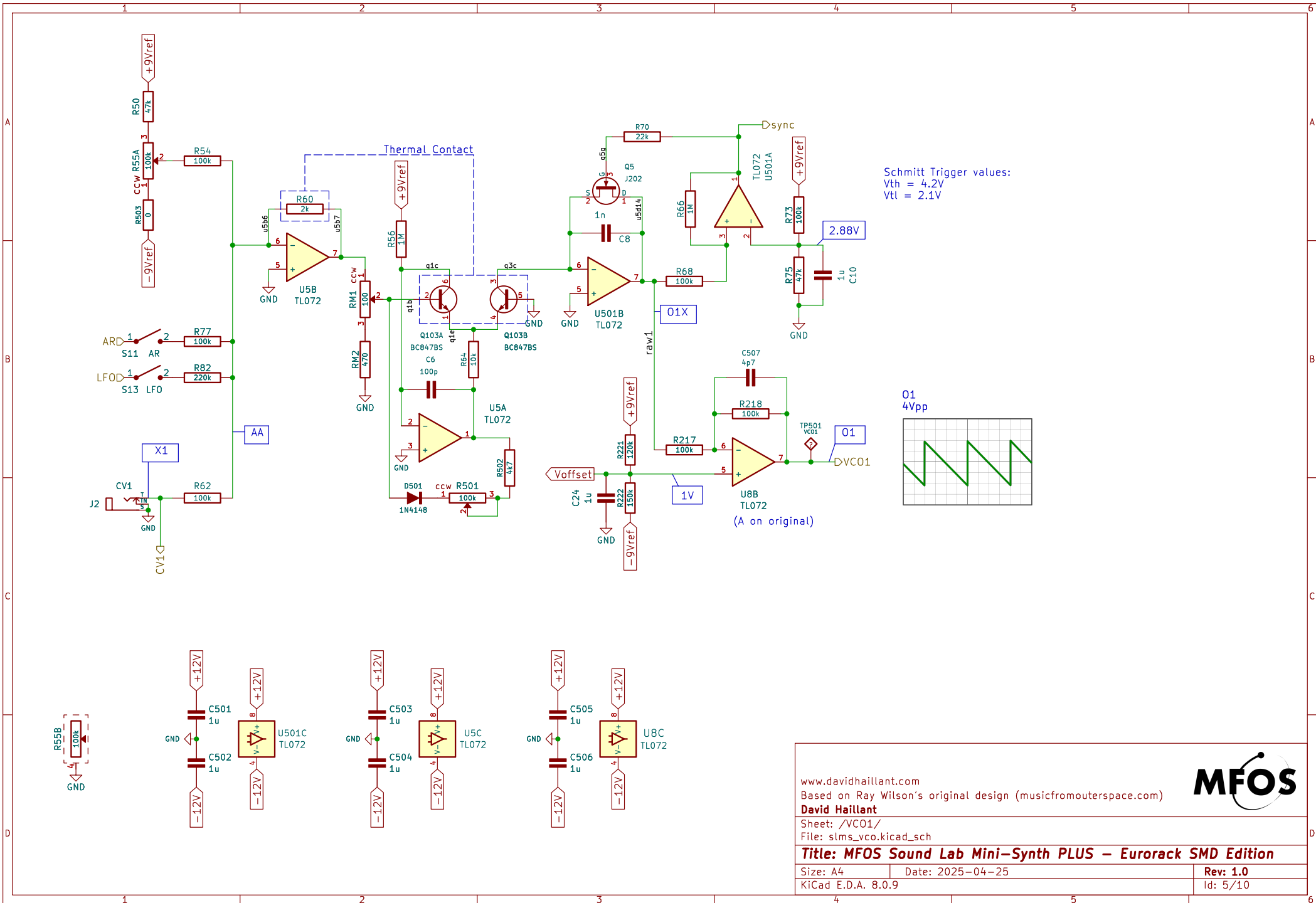
R95 not used

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 Sheet: /Noise Gen/
 File: slms_noise.kicad_sch

Title: MFOS Sound Lab Mini-Synth PLUS – Eurorack SMD Edition

Size: A4	Date: 2025-04-25	Rev: 1.0
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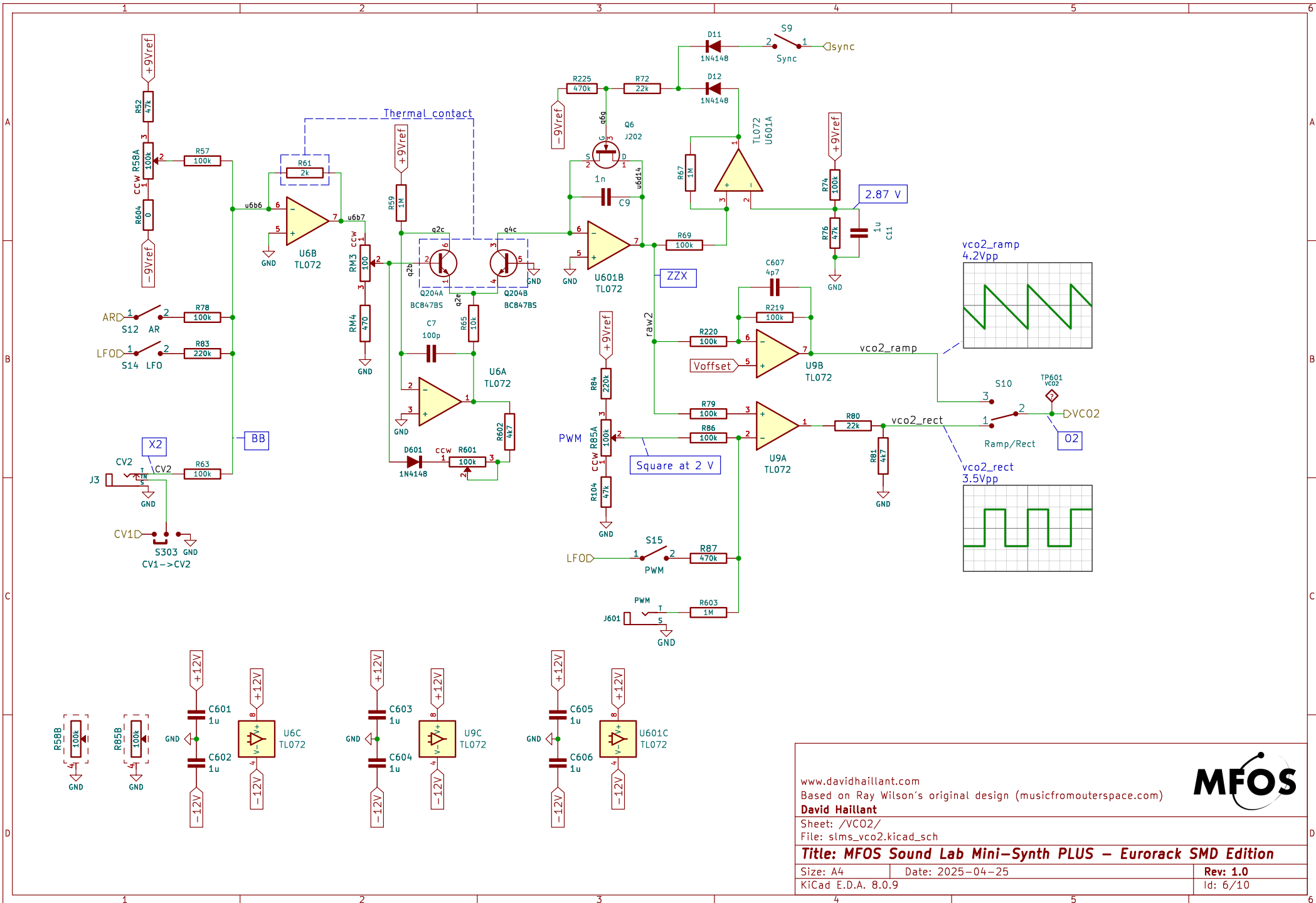




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Sheet: /VCO1/	
File: slms_vco.kicad_sch	
Title: MFOS Sound Lab Mini-Synth PLUS – Eurorack SMD Edition	
Size: A4	Date: 2025-04-25
KiCad E.D.A. 8.0.9	Rev: 1.0
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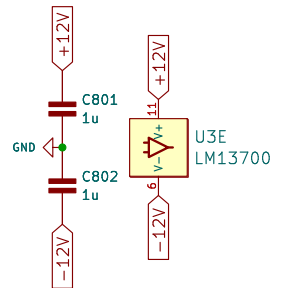
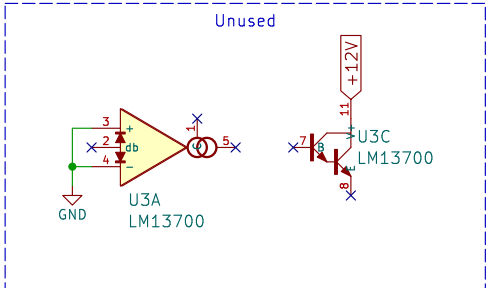
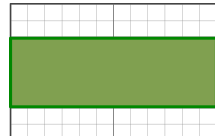
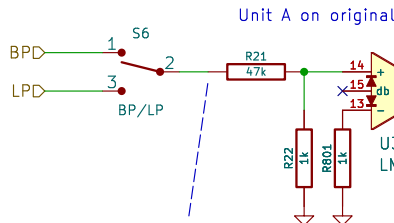
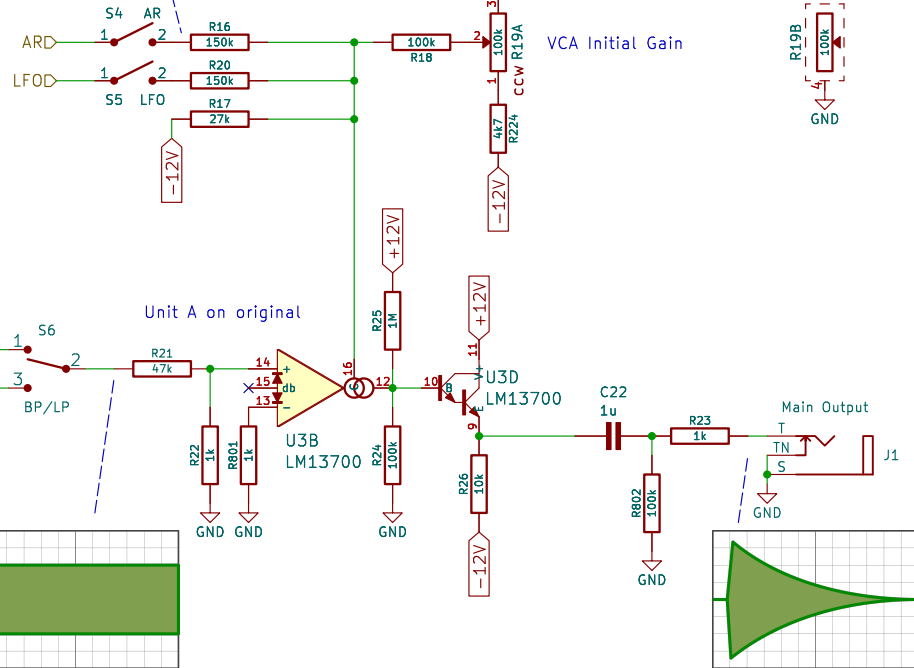
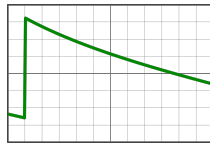
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David Hailant
 Sheet: /VCO2/
 File: slms_vco2.kicad_sch

Title: MFOS Sound Lab Mini-Synth PLUS – Eurorack SMD Edition

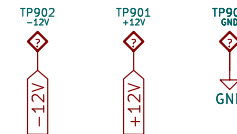
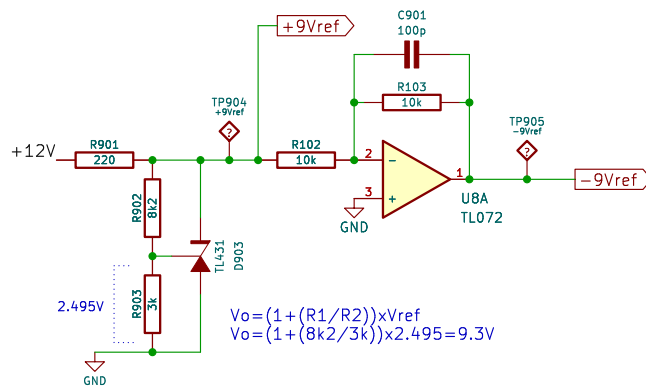
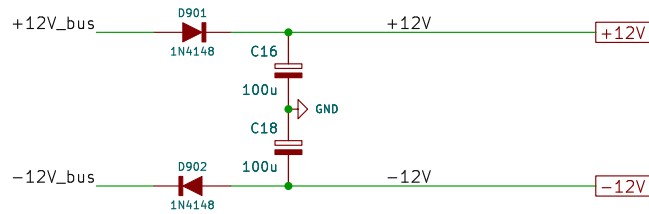
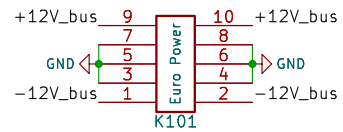
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Vpp: 11.5V



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Sheet: /VCA/		
File: slms_vca.kicad_sch		
Title: MFOS Sound Lab Mini-Synth PLUS – Eurorack SMD Edition		
Size: A4	Date: 2025-04-25	Rev: 1.0
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Sheet: /Power Supply/
File: slms_power.kicad_sch

Title: MFOS Sound Lab Mini-Synth PLUS – Eurorack SMD Edition








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Rev: 1.0

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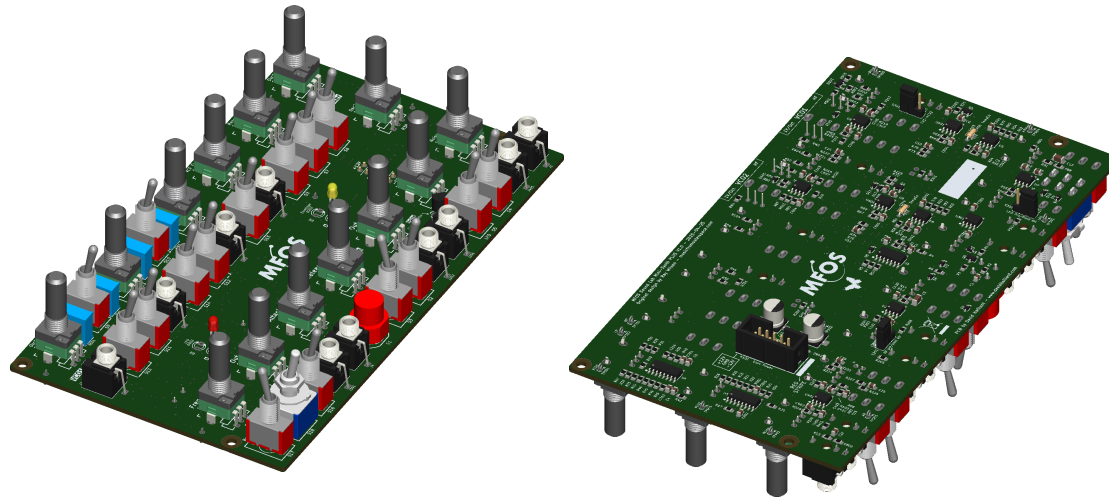
Additional Hardware:

-  Front panel
-  PCB
-  label
-  MFOS Logo
-  MFOS Logo
-  Synthcube Logo
-  WEEE

Mounting Holes:



Suggested Front Panel Layout:



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Sheet: /Hardware parts/
 File: hardware.kicad_sch

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Rev: 1.0
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