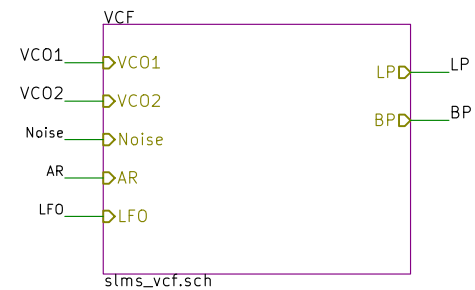
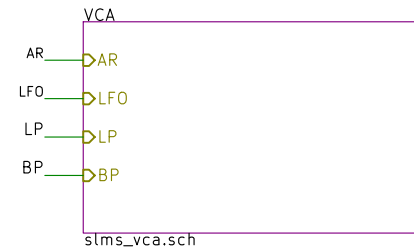
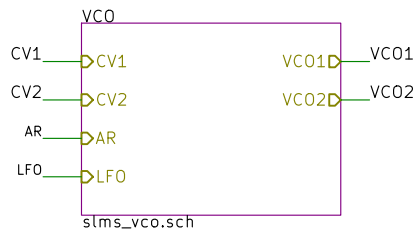
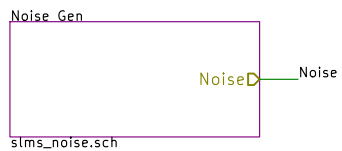
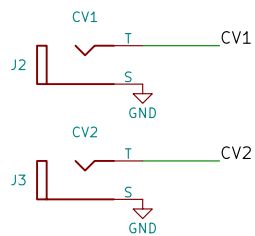
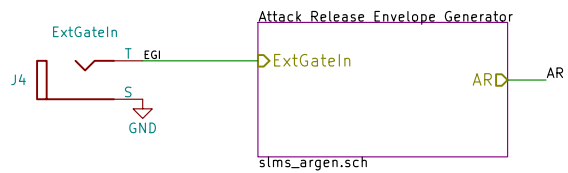


MFO



Revision History:

1.0: initial release

1.1:

- * reversed Attack / Decay pots
- * removed connection to GND on U3A pin 1
- * changed Q8 footprint (BEC instead of CBE)
- * changed Jack footprints to WQP-PJ398SM

1.2:

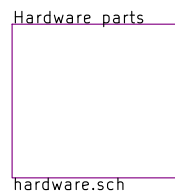
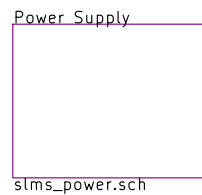
- * changed NPN BC547 to BC847BS (Dual matched NPN in SOT363)
- * changed THT capacitors to SMT (C3, C13, C16, C18)
- * changed Q101 from 2N1711 to 2N3904

1.3:

- * removed Regulators 78L09 and 79L09 due to availability issues
- * Added Decoupling Capacitors

1.4:

- * modified Sync circuitry, according to PLUS
- * improved White Noise generator



Based on Ray Wilson's design (<http://musicfromouterspace.com/>)

David Haillant

Sheet: /

File: mfos slms.sch

Title: Sound Lab Mini-Synth – Eurorack SMD Edition

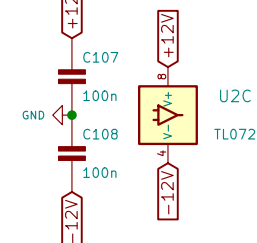
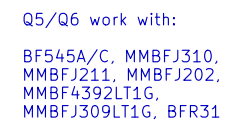
Size: A4	Date: 2019-05-22
----------	------------------

Size: 71	Date: 2019
KiCad E.D.A.	kicad (5.1.2)-1

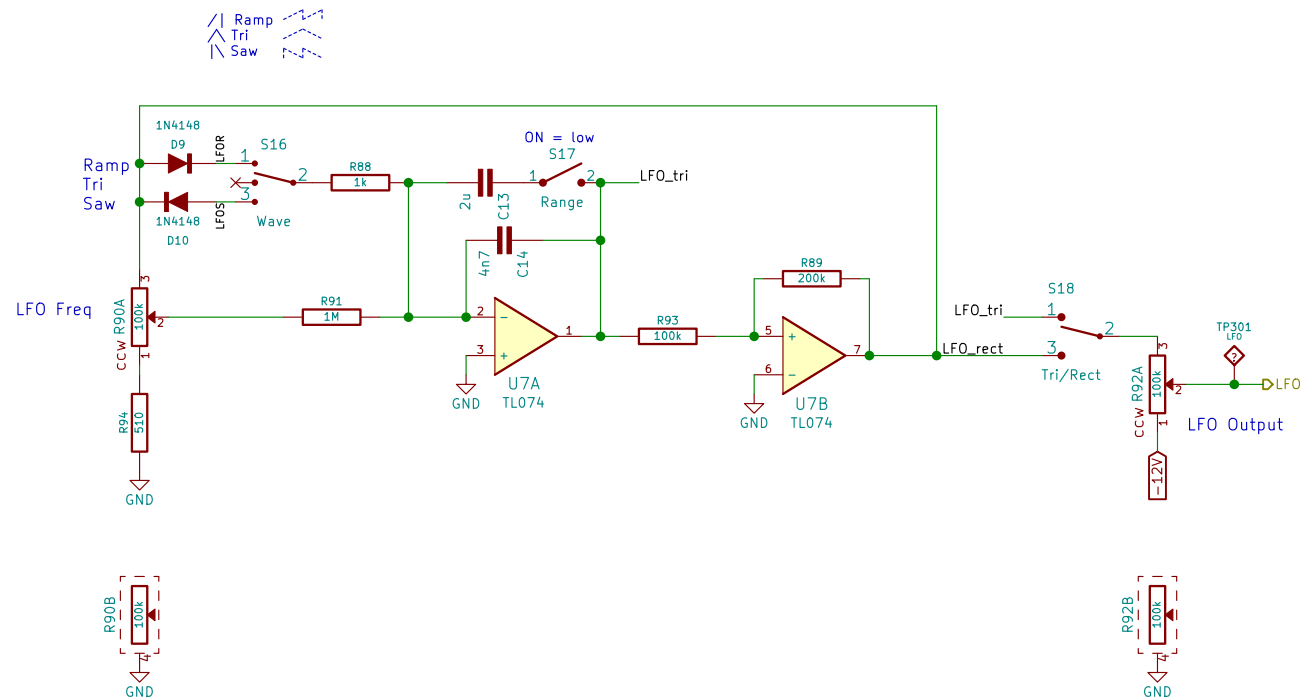


Rev: 1.4

Id: 1/9



Id: 2/9



Based on Ray Wilson's design (<http://musicfromouterspace.com/>)

David Hailant

Sheet: /LFO/

File: slms_lfo.sch

Title: Sound Lab Mini-Synth – Eurorack SMD Edition

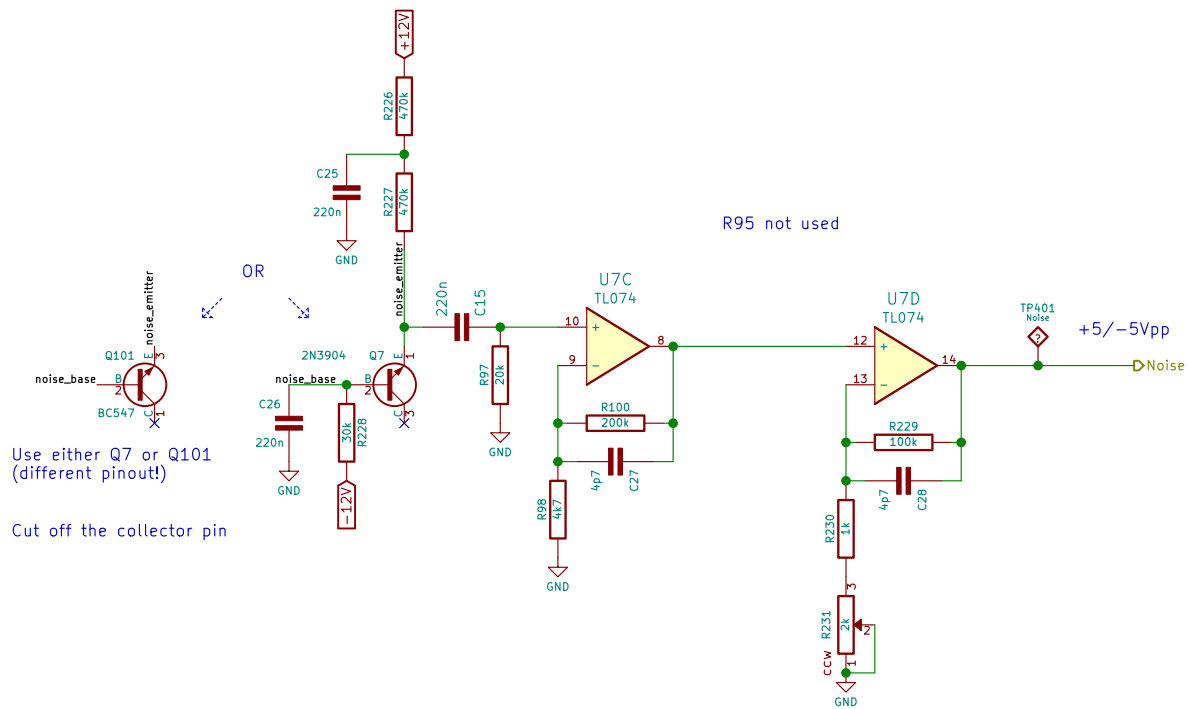
Size: A4 Date: 2019-05-22

KiCad E.D.A. kicad (5.1.2)-1



Rev: 1.4

Id: 3/9



V1.2 - Q101 changed from 2N1711 to 2N3904
V1.3 - Q7 and Q101 swapped
V1.4 - Use improved noise generator from SLMS Extras/Plus

Based on Ray Wilson's design (<http://musicfromouterspace.com/>)

David Haillant

Sheet: /Noise Gen/

File: slms_noise.sch

Title: Sound Lab Mini-Synth - Eurorack SMD Edition

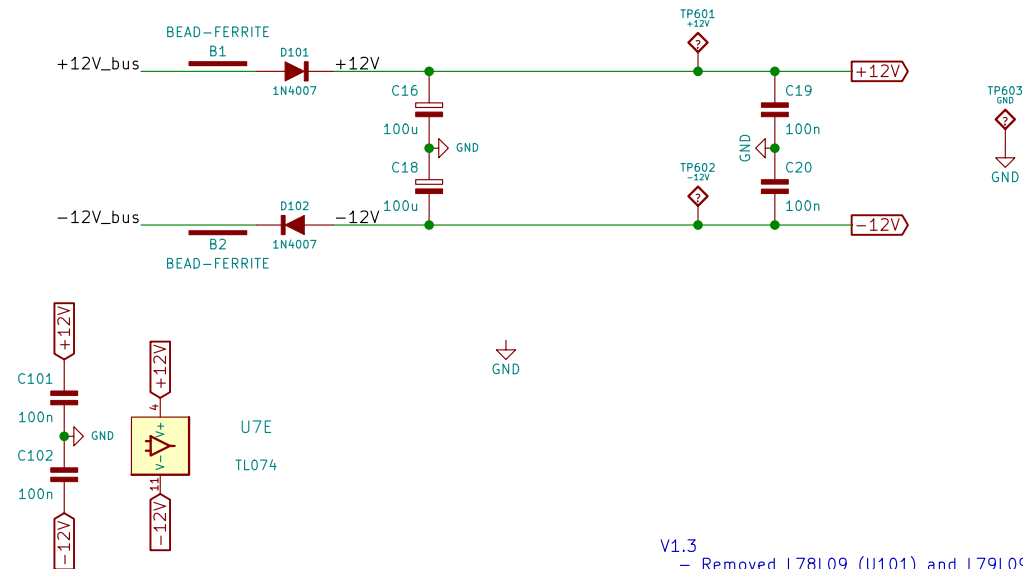
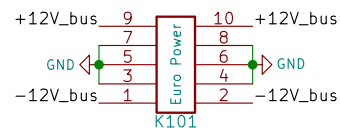
Size: A4 Date: 2019-05-22

KiCad E.D.A. kicad (5.1.2)-1



Rev: 1.4

Id: 4/9



V1.3

- Removed L78L09 (U101) and L79L09 (U102)
- Added D101 and D102 (1N4007)
- Added optionnal Bead Ferrites B1 and B2

Based on Ray Wilson's design (<http://musicfromouterspace.com/>)

David Haillant

Sheet: /Power Supply/

File: slms_power.sch

Title: Sound Lab Mini-Synth – Eurorack SMD Edition

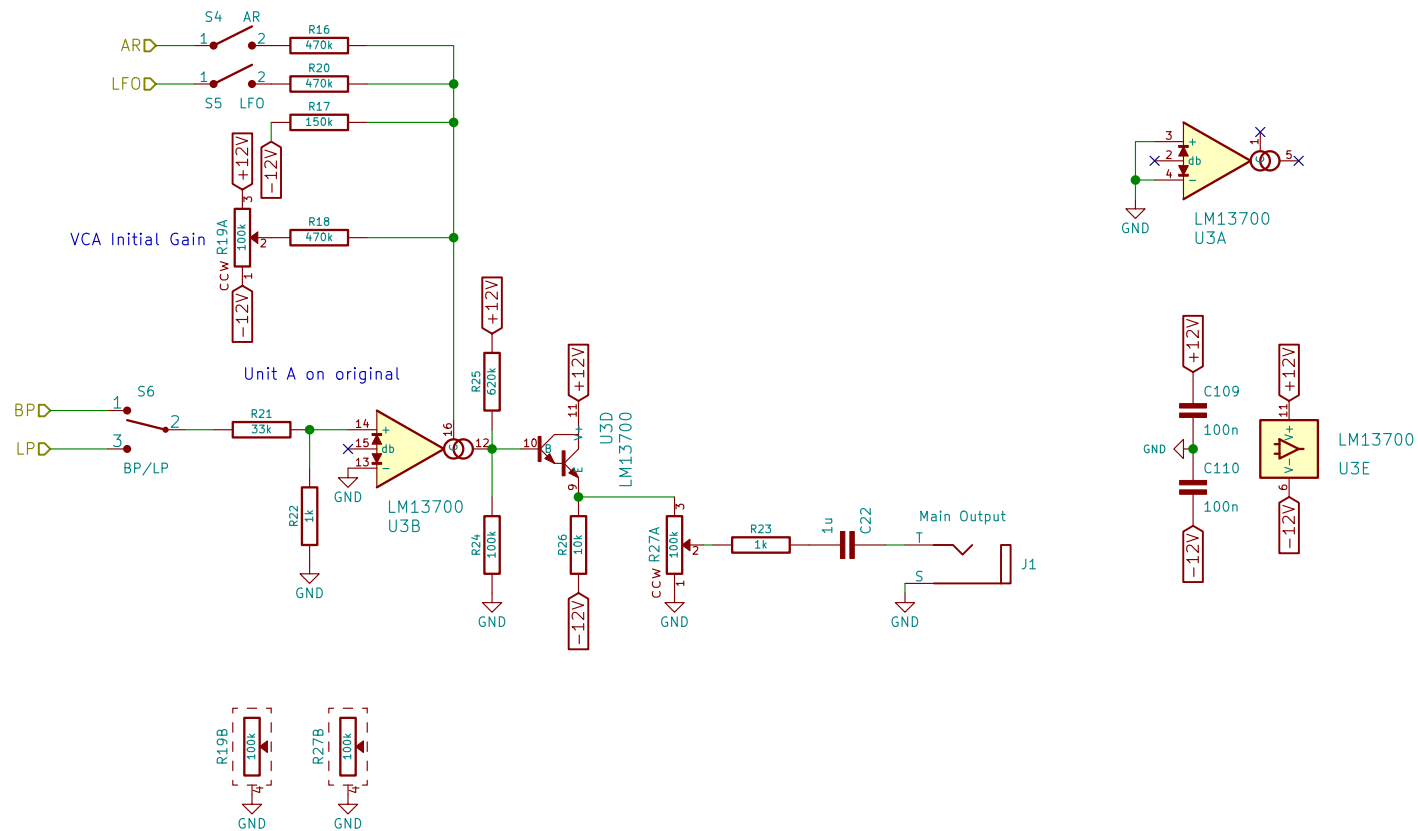
Size: A4 Date: 2019-05-22

KiCad E.D.A. kicad (5.1.2)-1



Rev: 1.4

Id: 6/9



Based on Ray Wilson's design (<http://musicfromouterspace.com/>)

David Hailant

Sheet: /VCA/

File: slms_vca.sch

Title: Sound Lab Mini-Synth – Eurorack SMD Edition

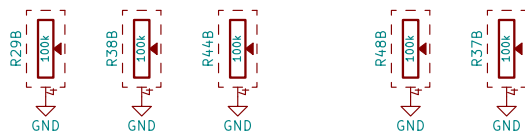
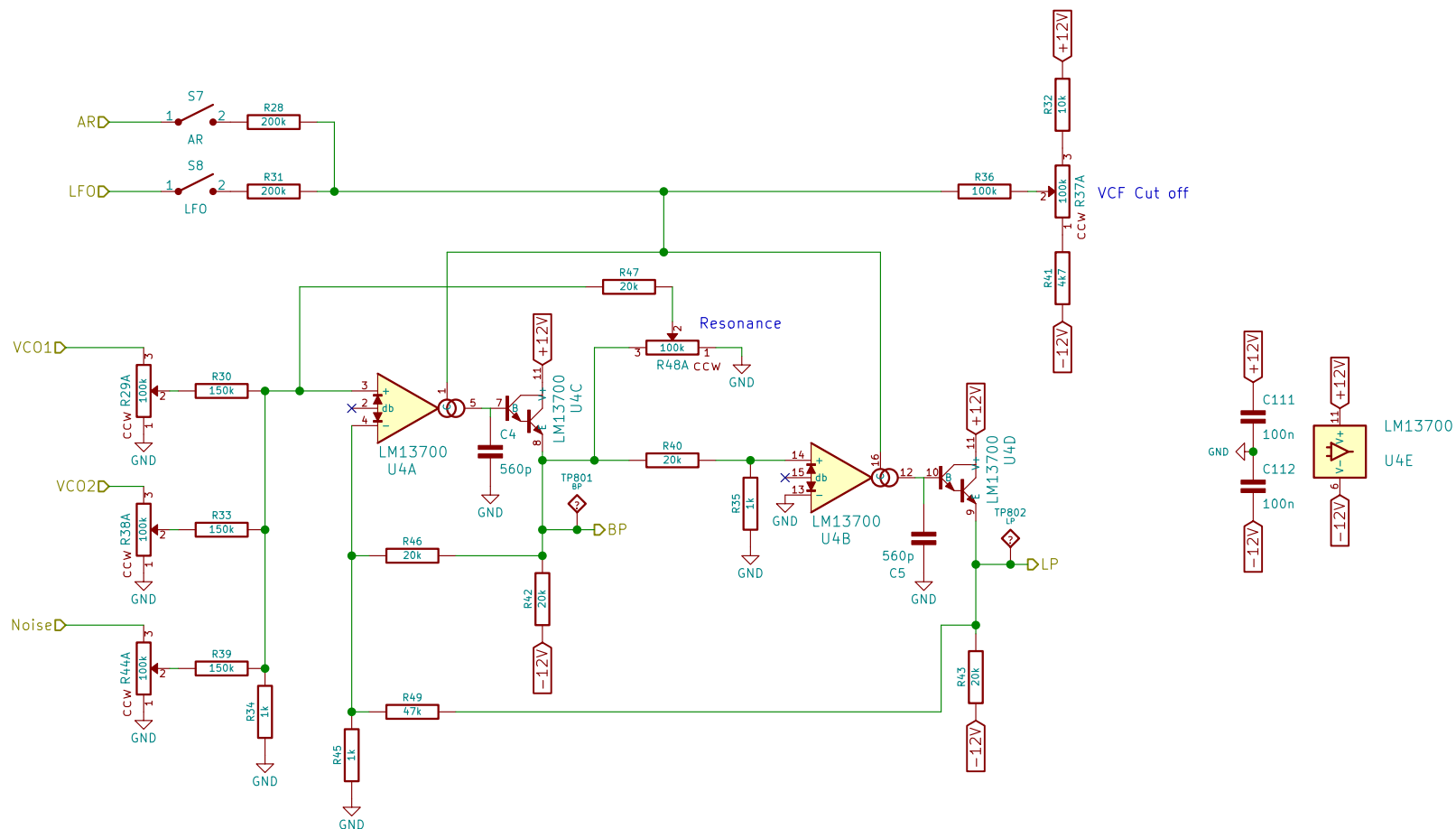
Size: A4 Date: 2019-05-22

KiCad E.D.A. kicad (5.1.2)-1



Rev: 1.4

Id: 7/9



Based on Ray Wilson's design (<http://musicfromouterspace.com/>)

David Hailant

Sheet: /VCF/

File: slms_vcf.sch

Title: Sound Lab Mini-Synth – Eurorack SMD Edition

Size: A4 Date: 2019-05-22

KiCad E.D.A. kicad (5.1.2)-1

Rev: 1.4

Id: 8/9



