

MFOS Sound Lab Mini-Synth PLUS

Osc1

Freq

Sync

CV1

LFO

AR

Off

Osc2

Freq

Rect

Saw

CV2

LFO

AR

Off

PWM

PWM

LFO

Off

VCF

Freq

Res

Freq

LFO

AR

BP

LP

Mix

Osc1

Osc2

LFO

Freq

Level

High

Rect

Low

Out

AR

Attack

Release

Level

Gate

Trig

VCA

Initial

Level

Out+

Out-

LFO

AR

Noise

Noise

Out

Front Silkscreen

Based on original design by Ray Wilson
www.davidhailant.com

David Hailant

Sheet: Front PCB side
 File: slms-plus-34hp-pcb.kicad_pcb

Title: MFOS Sound Lab Mini-Synth PLUS Frontpanel

Size: A4	Date: 2025-05-05	Rev: 20250505
KiCad E.D.A. 8.0.9-8.0.9-0ubuntu22.04.1 + KiBot v1.8.3		Id: 1/5

1

2

3

4

5

6

A

B

C

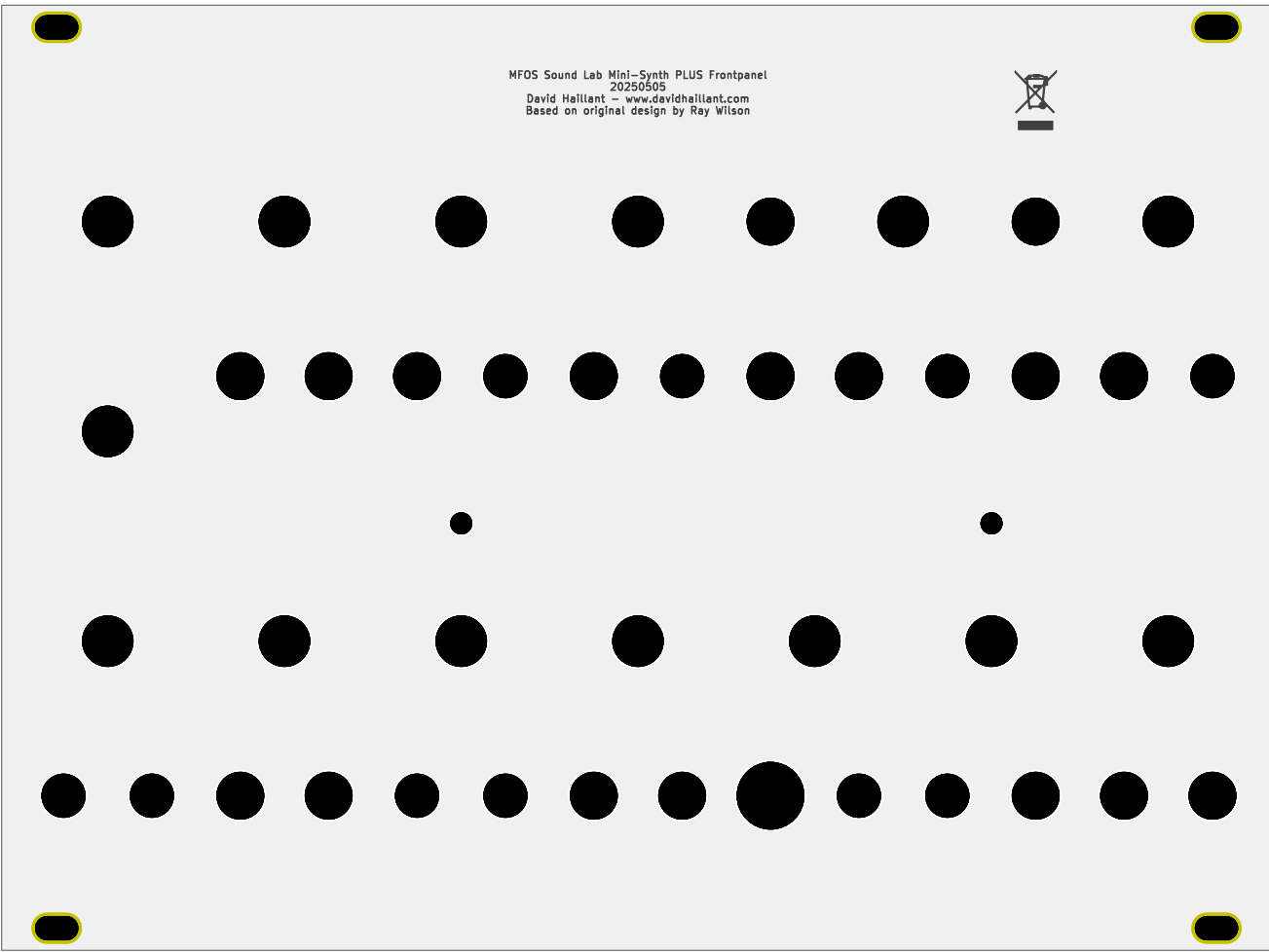
D

A

B

C

D



Back Silkscreen

Based on original design by Ray Wilson www.davidhailant.com		
David Hailant		
Sheet: Bottom PCB side File: slms-plus-34hp-pcb.kicad_pcb		
Title: MFOS Sound Lab Mini-Synth PLUS Frontpanel		
Size: A4	Date: 2025-05-05	Rev: 20250505
KiCad E.D.A. 8.0.9-8.0.9-0ubuntu22.04.1 + KiBot v1.8.3		Id: 2/5

1

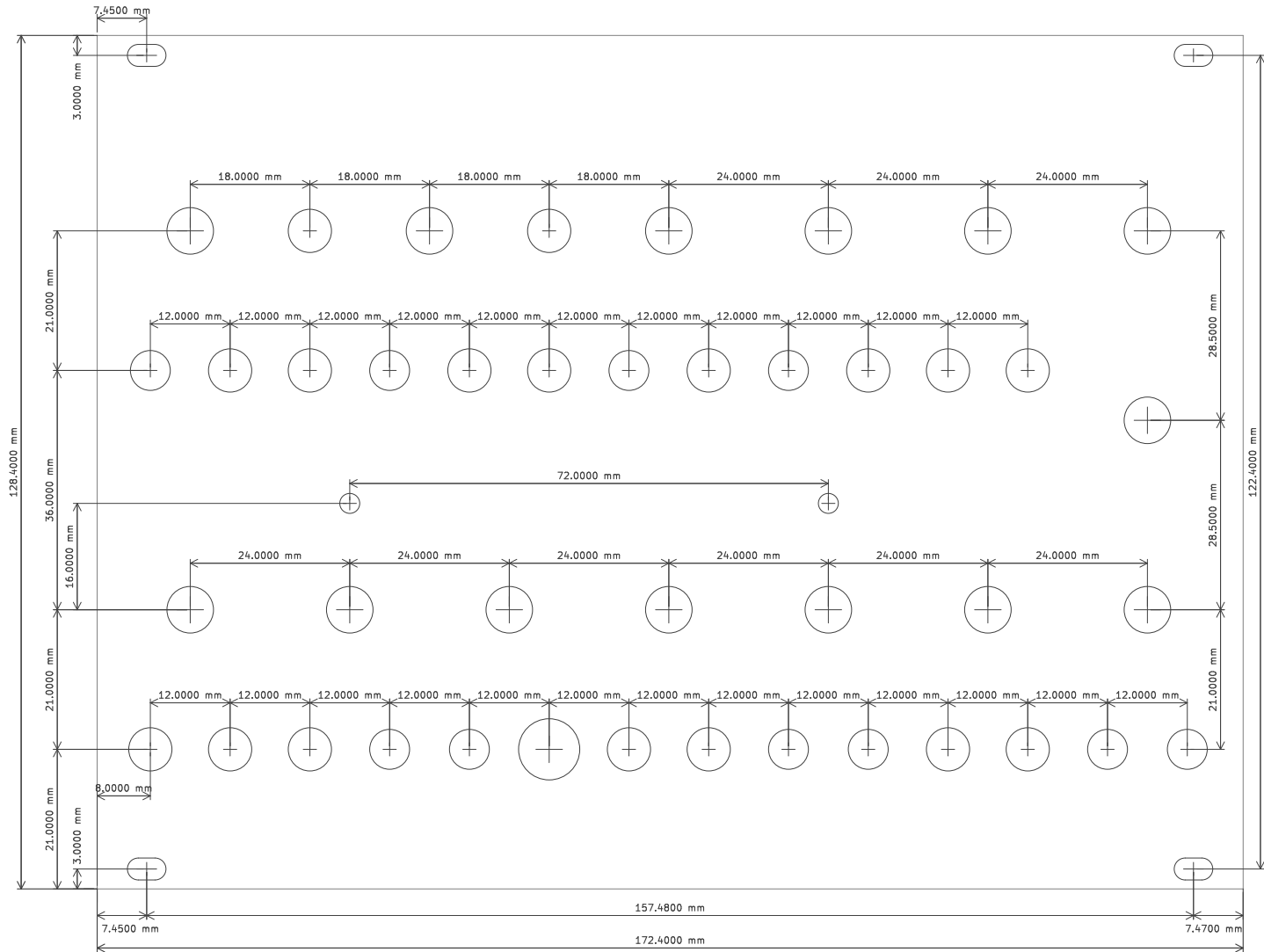
2

3

4

5

6



Front panel dimensions: Eurorack/3U x 34HP
 Max thickness: 2 mm

Dimensions

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Sheet: PCB Dimensions File: slms-plus-34hp-pcb.kicad_pcb	
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MFOS Sound Lab Mini-Synth PLUS

Osc1

Freq

Sync

Off

CV1 LFO AR

Off Off

Osc2

Freq

Rect

Saw

CV2 LFO AR

PWM LFO

Off Off

VCF

Freq

Res

Freq LFO AR BP

Off Off LP

Mix

Osc1

Osc2

Noise

LFO

Freq

Level

High Rect

Low

Out

AR

Attack

Release

Level

Gate Repeat

Trig Off

VCA

Initial

LFO AR

Off Off

Noise

Noise Out

Front Silkscreen

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Sheet: PCB SilkScreen Front
 File: slms-plus-34hp-pcb.kicad_pcb

Title: MFOS Sound Lab Mini-Synth PLUS Frontpanel

Size: A4 Date: 2025-05-05
 KiCad E.D.A. 8.0.9-8.0.9-0ubuntu22.04.1 + KiBot v1.8.3

Rev: 20250505
 Id: 4/5

MFOS Sound Lab Mini-Synth PLUS Frontpanel
20250505
David Hailant - www.davidhailant.com
Based on original design by Ray Wilson



Back Silkscreen

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David Hailant

Sheet: PCB Silkscreen Bottom

File: slms-plus-34hp-pcb.kicad_pcb

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Size: A4

Date: 2025-05-05

Rev: 20250505

KiCad E.D.A. 8.0.9-8.0.9-0ubuntu22.04.1 + KiBot v1.8.3

Id: 5/5