TOTORUS
DIY synth project
by
f.aiseur
Praha - 2025   V002.2

Section labels: VCO A, VCO B, VCF, VCA, A/B MIX, OUTPUT

Controls: OSC A TUNE, OSCB TUNE, SUSTAIN, ATTACK, DECAY, Foot Loudness, VOLUME, GLIDE TIME, GLIDE, CUTOFF, EMPHASIS, FILTER AMOUNT, REGEN, FET balance, VCA balance, Width, Offset, Fine tune, Beat Rate, Range B - 10k, Freq B - 10k, Freq A - 10k, Freq - 100k

Inputs: trig in, pitch cv in, mod in, filter cv in

ICs: 4558, 3140, 741, LM13700, 1458, CD4016, CD4011, CA3046

Dimensions: 95 mm, 220mm

A

Tr710
B1k

Tr3
10k

C1
1000uF 35v

BEAT
rate

Range B

10k
Tr711

Freq B

Freq A

10k
Tr601

J1

Tr301
100k

100k
Tr5

Freq

1000uF 35v
C2

B

Foot
Loudness

Tr303
100k

VCA
balance

Tr6
10k

Offset

Tr4
20k

Width

6.3 OUT   J301

J4
J4

Tr509
100k

Filter
Freq

J302

J5
J5

3.5 OUT   J302

Tr524
1k

Regen

J2
J2

Tr146
50k

J3
J3

FET
balance

C

TOTORUS layout

f.aiseur

Sheet: Black And White BOT
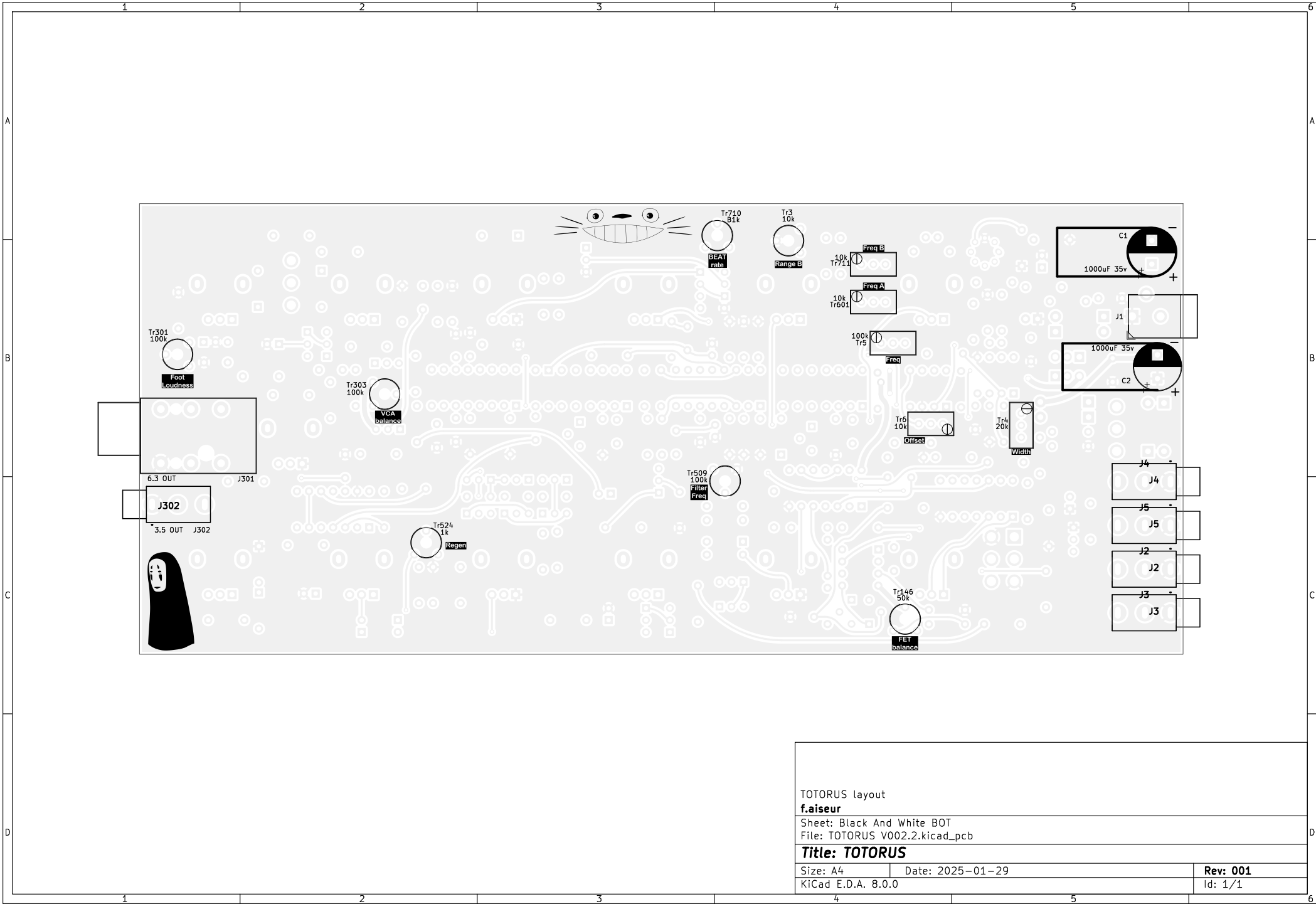File: TOTORUS V002.2.kicad_pcb

Title: TOTORUS

Size: A4	Date: 2025-01-29	**Rev: 001**
KiCad E.D.A. 8.0.0		Id: 1/1