FPGAtom — Roland Leurs
http://diy.acornatom.nl
Board date: 14-04-2019
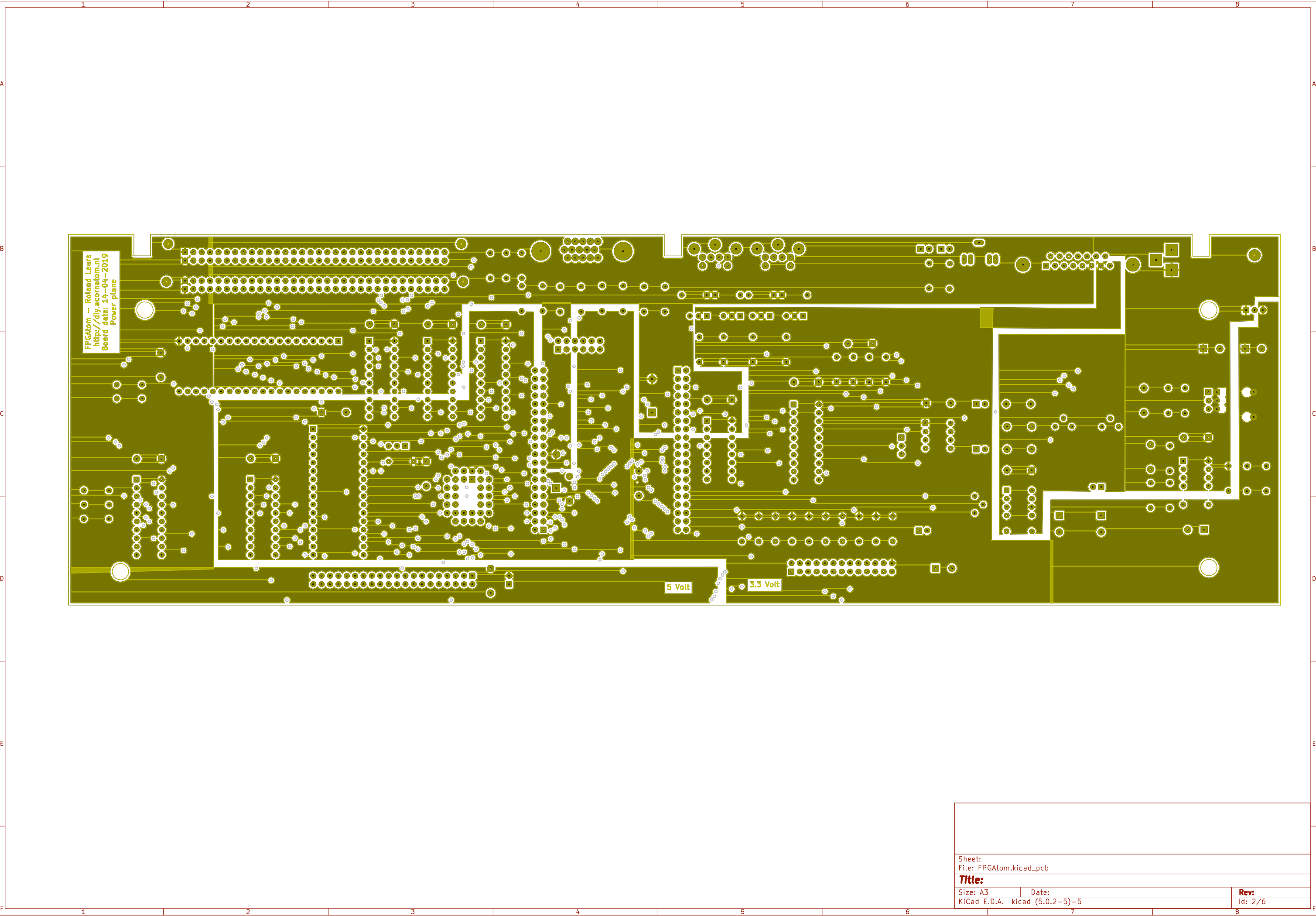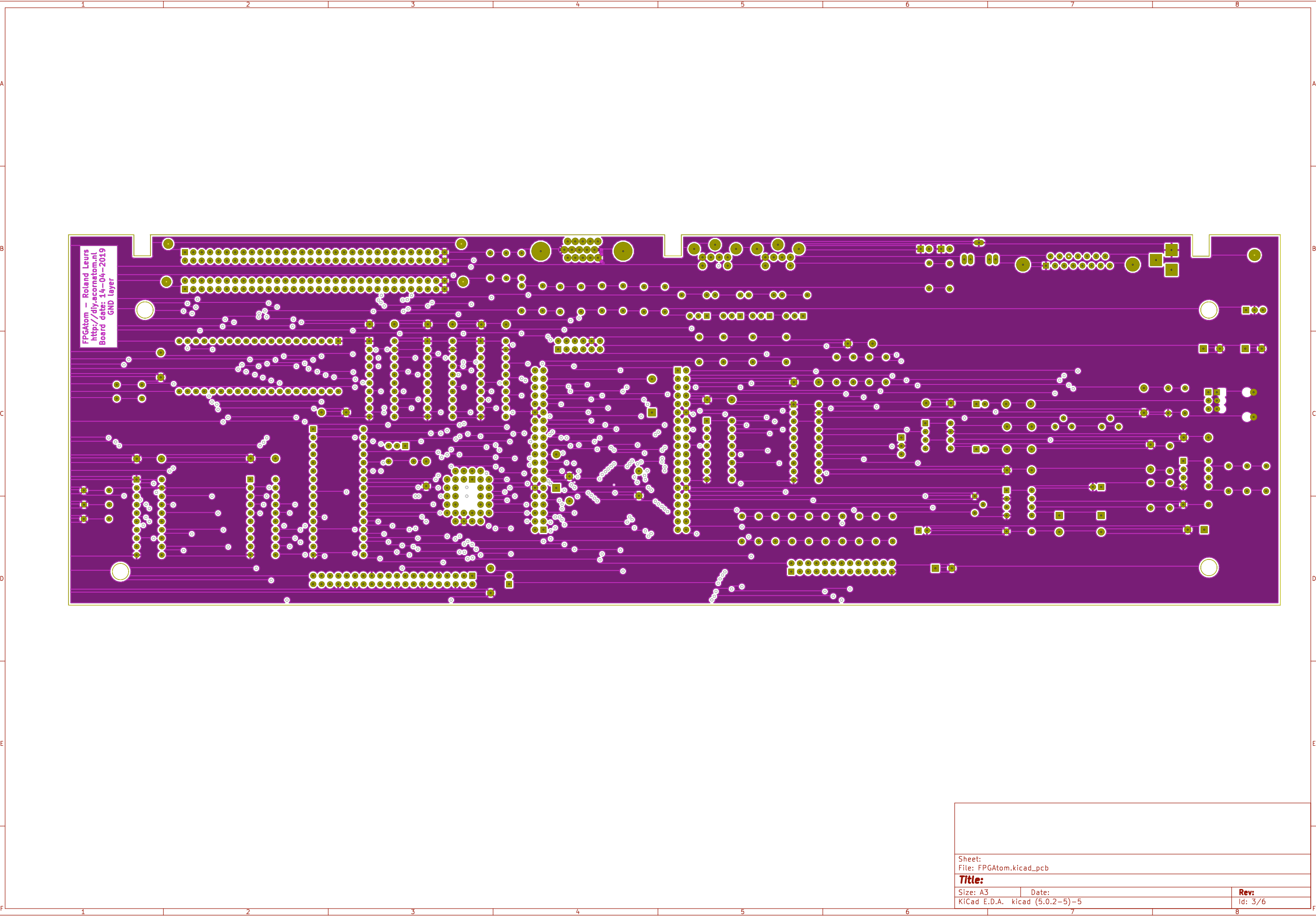Component side

Sheet:
File: FPGAtom.kicad_pcb

Title:

Size: A3   Date:

Rev:

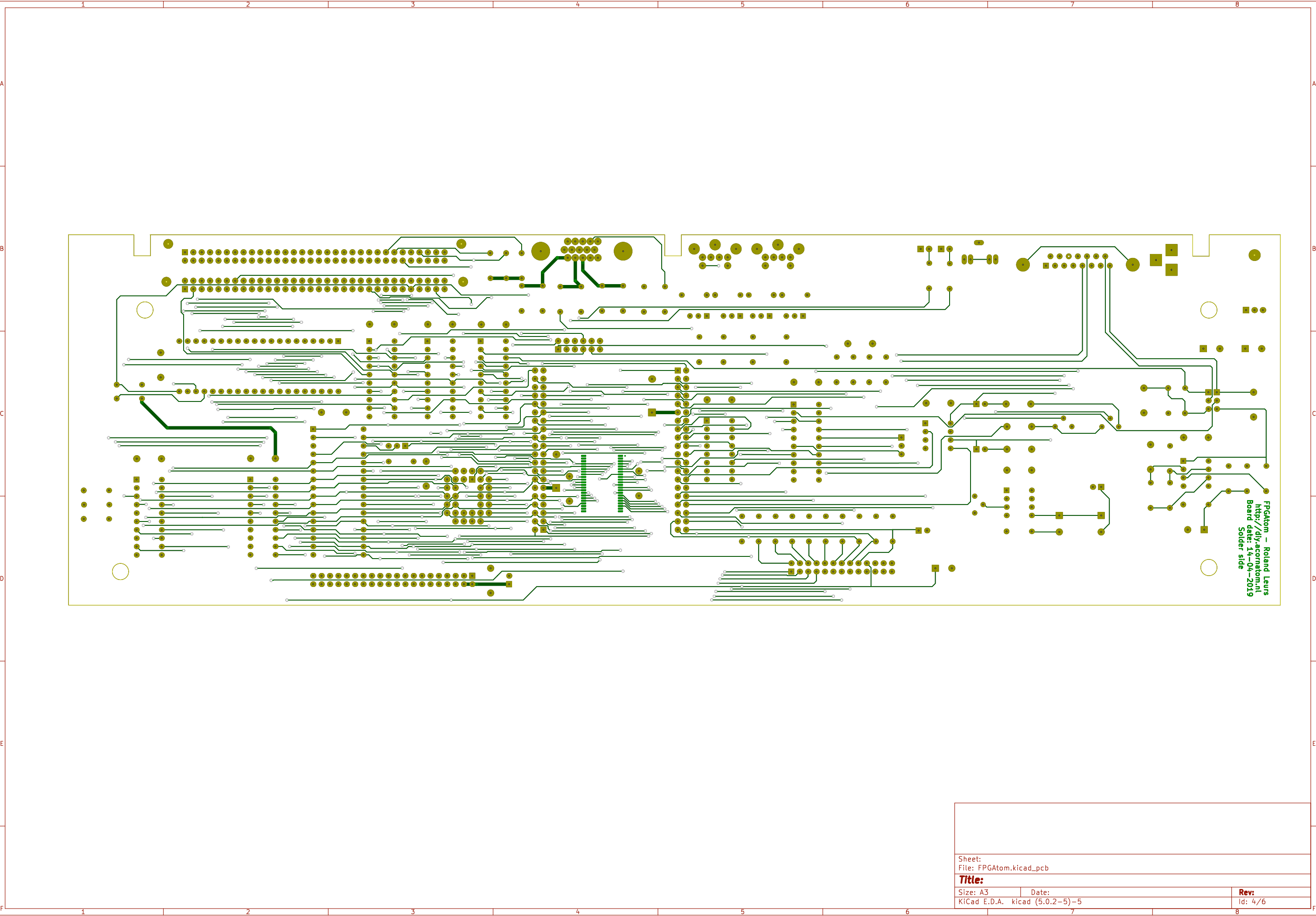KiCad E.D.A. kicad (5.0.2-5)-5

Id: 1/6

5 Volt

3.3 Volt

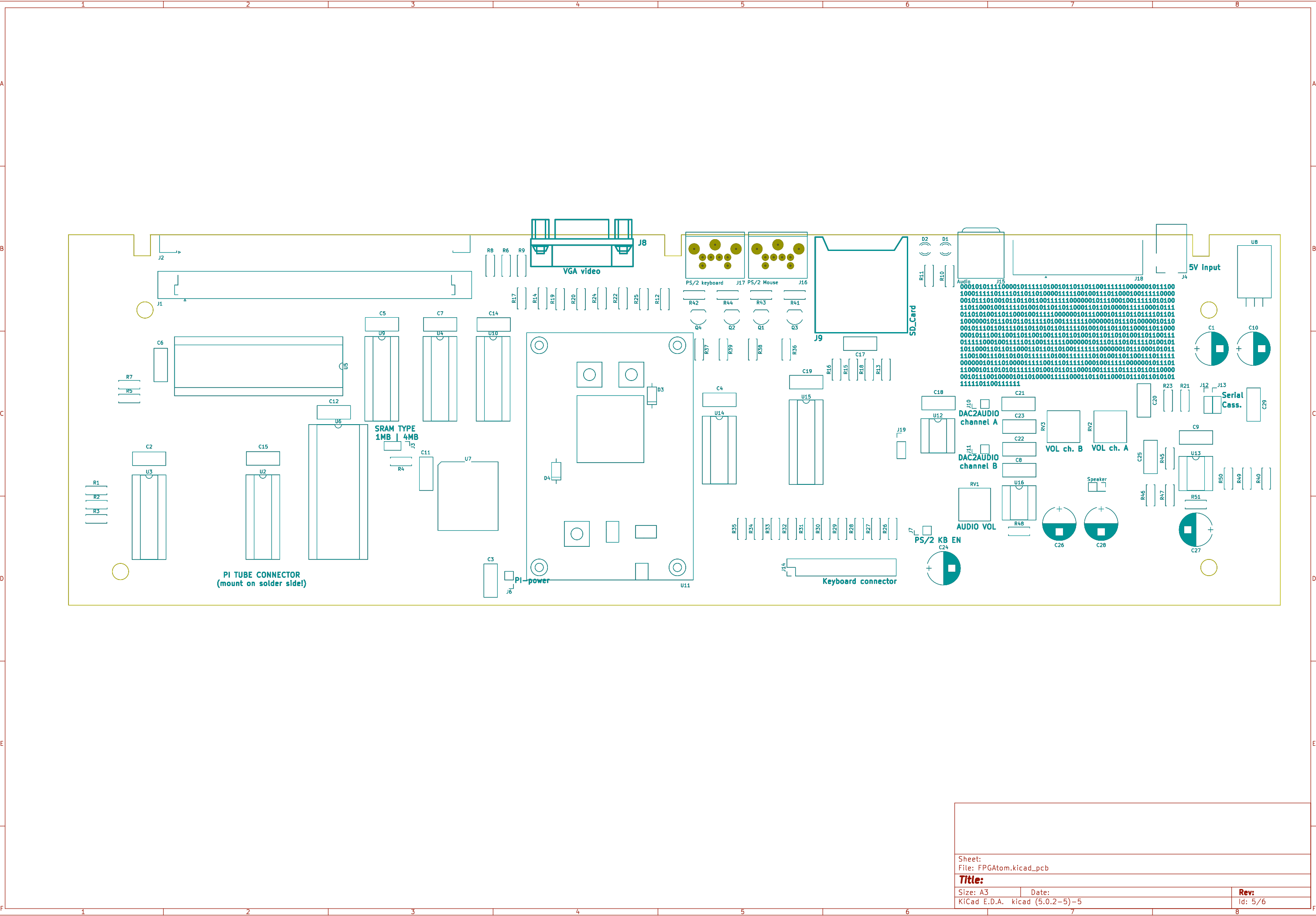Sheet:
File: FPGAtom.kicad_pcb
Title:
Size: A3   Date:
KiCad E.D.A. kicad (5.0.2-5)-5
Rev:
Id: 2/6

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GND layer

VGA video

5V input

PS/2 keyboard   PS/2 Mouse

J8

R8 R6 R9

J17   J16

D2 D1

R11 R10

U8

J4

J2

J1

C5   C7   C14

R17 R14 R19 R20 R24 R22 R25 R12

R42 R44 R43 R41

J15

SD_Card

J9

Audio

C1   C10

C6

U9   U4   U10

Q4   Q2   Q1   Q3

R37 R39 R38 R36

J18

U5

C17

C19

R23 R21   J12 J13

R7
R5

C12

R16 R15 R18 R13

U15

C18

C20

Serial
Cass.

C29

U6

C4

U14

DAC2AUDIO
channel A

U12

C21

C23

J10

RV3

C22

VOL ch. B   VOL ch. A

RV2

C9

SRAM TYPE
1MB | 4MB

C15

C11

J5

U7

DAC2AUDIO
channel B

J11

C8

C25

U13

R45

C2

U3

U2

D3

R4

D4

J19

RV1

U16

Speaker

R50 R49 R40

R1
R2
R3

C3

PI-power

AUDIO VOL

R48

R46 R47

R51

C26   C28

C27

PI TUBE CONNECTOR
(mount on solder side!)

J6

R35 R34 R33 R32 R31 R30 R29 R28 R27 R26

J7

PS/2 KB EN

C24

J14

Keyboard connector

U11