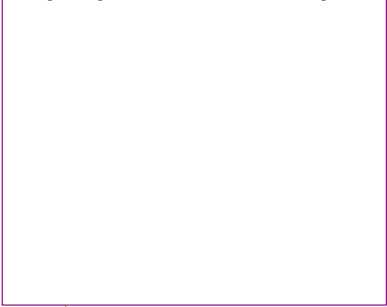
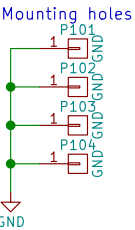


Voltage Regulators and Power Management



vreg.sch



USB-C I/F and FT2232H JTAG/FIFO



usb.sch

Artix-7 FPGA Subsystem



tpgasys.sch

Sensors and UI



sensors.sch

Cameras



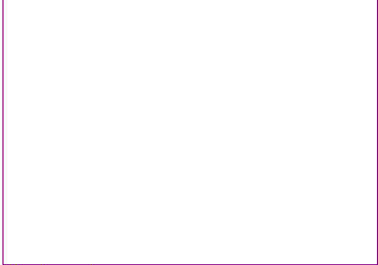
cameras.sch

A64 SoC Subsystem



a64.sch

LCD



display.sch

David Shah

Sheet: /
File: mainboard.sch

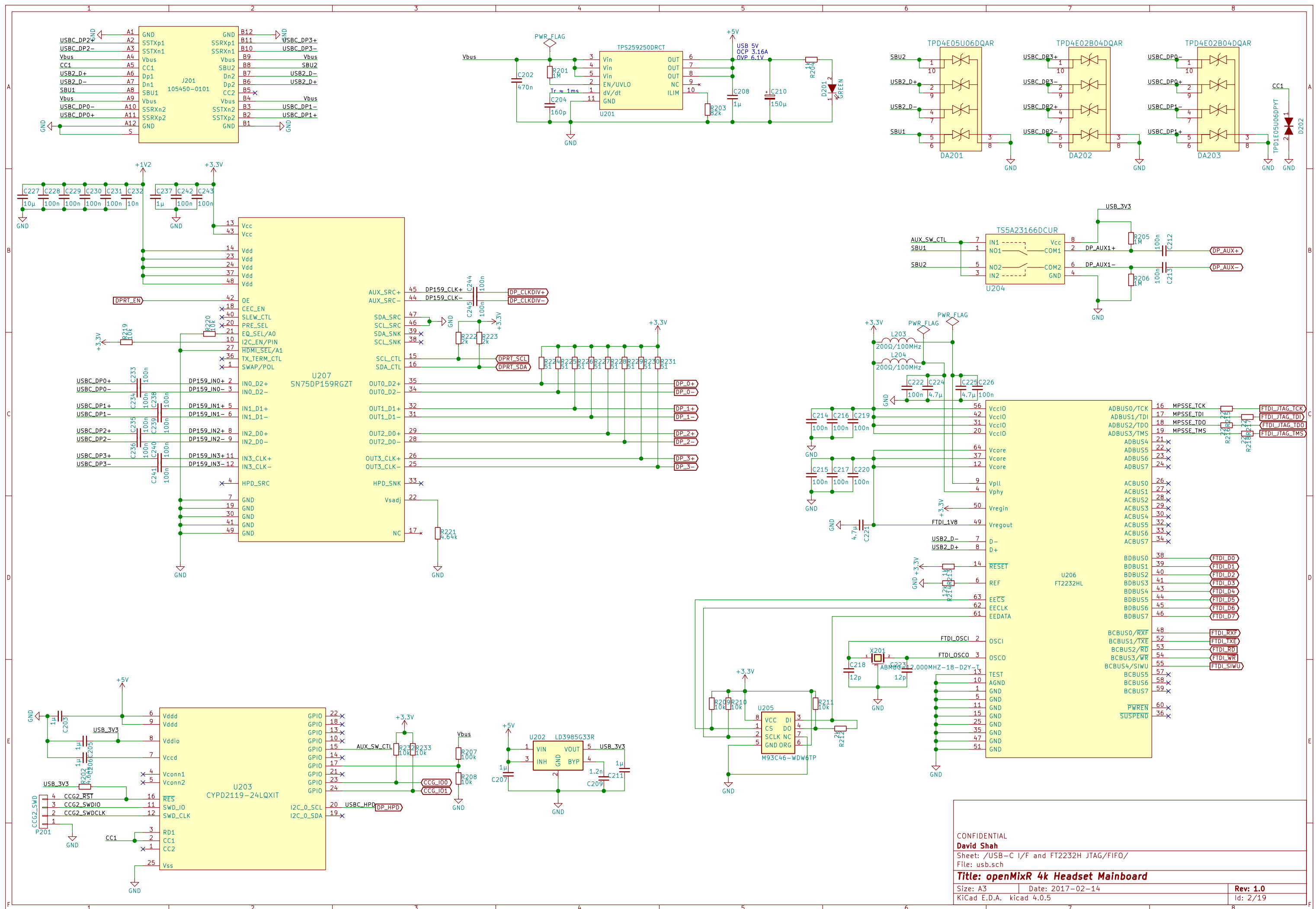
Title: openMixR 4k Headset Mainboard

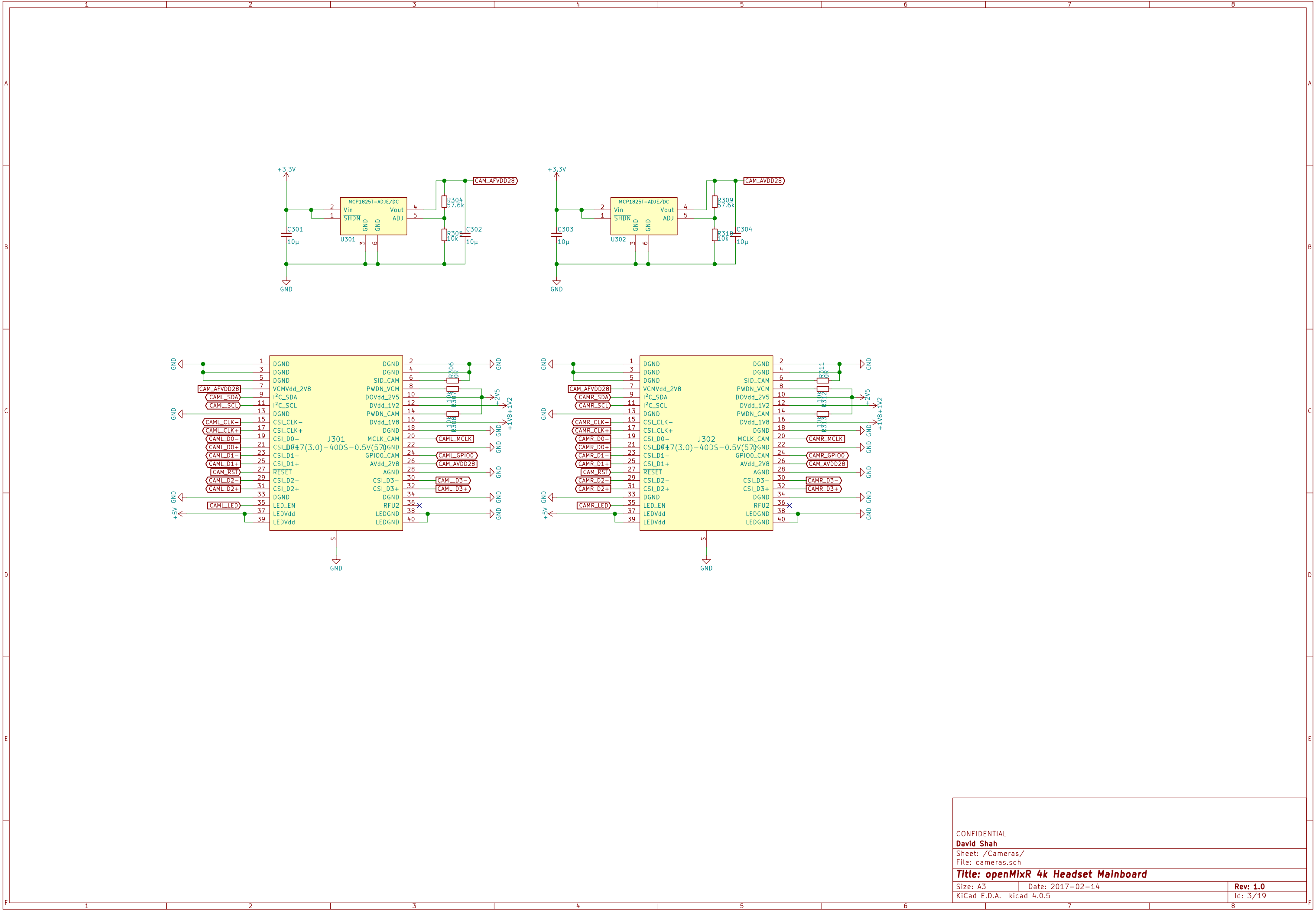
Size: A4 Date: 2017-02-14

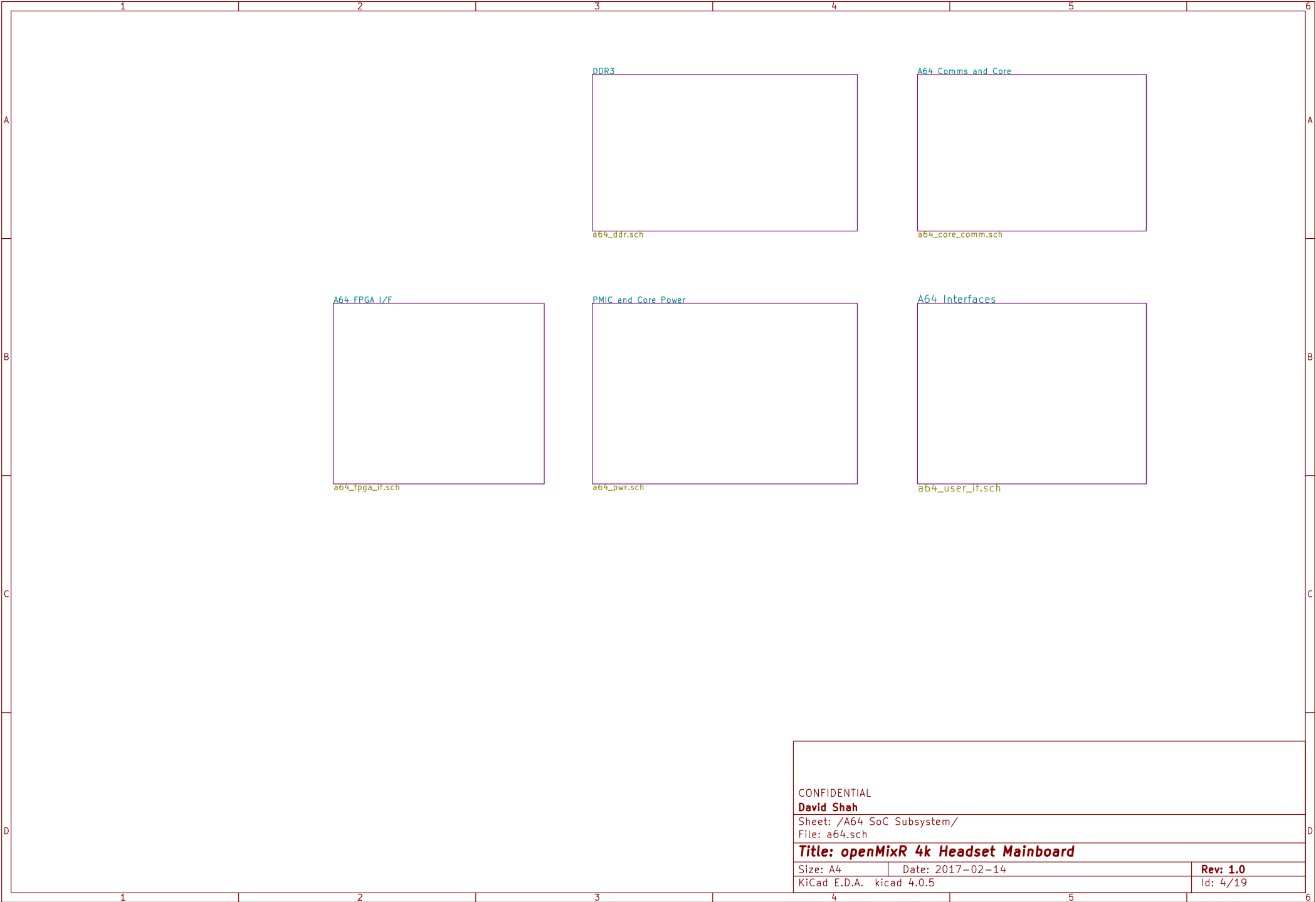
KiCad E.D.A. kicad 4.0.5

Rev: 1.0

Id: 1/19







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Sheet: /A64 SoC Subsystem/

File: a64.sch

Title: openMixR 4k Headset Mainboard

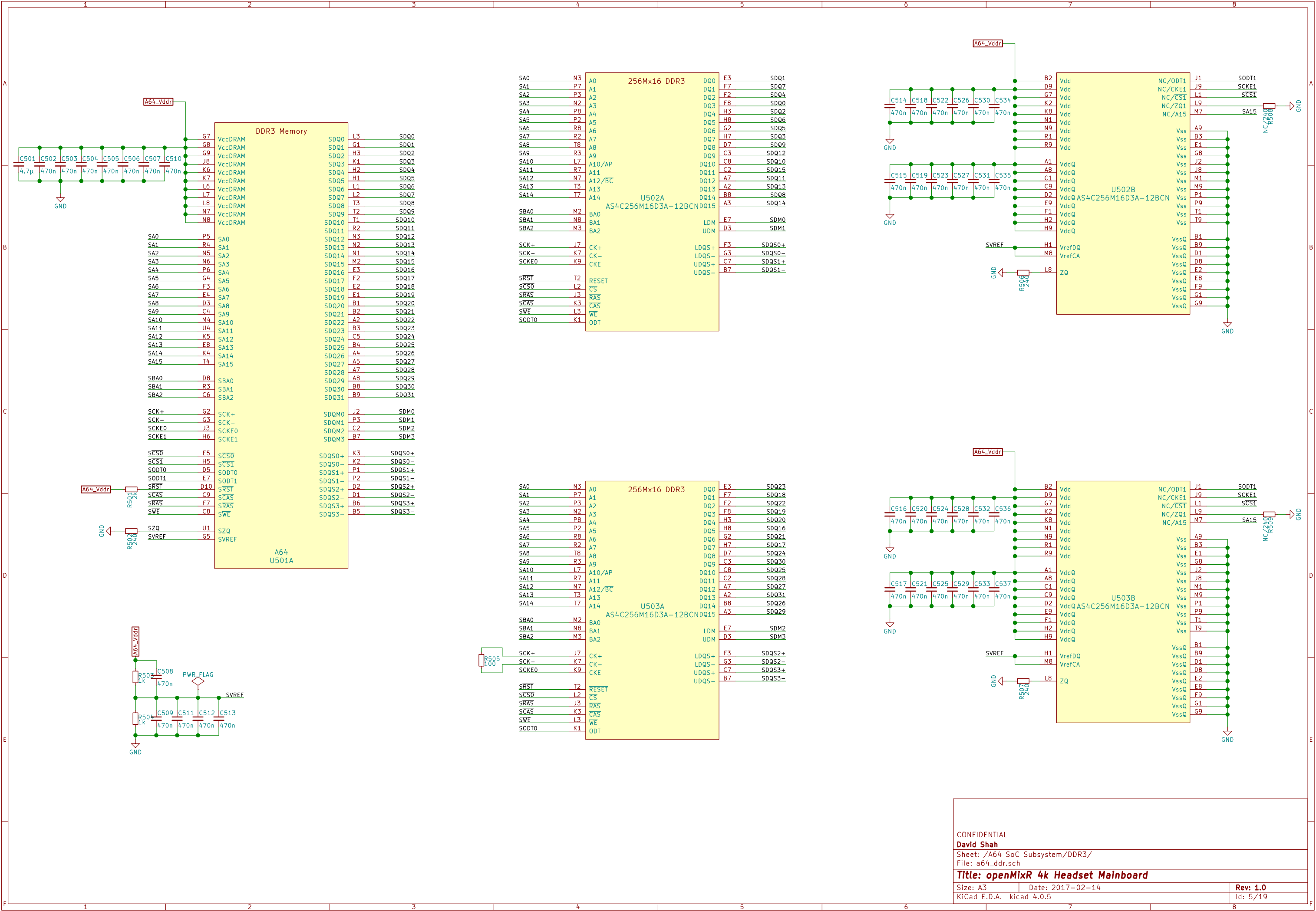
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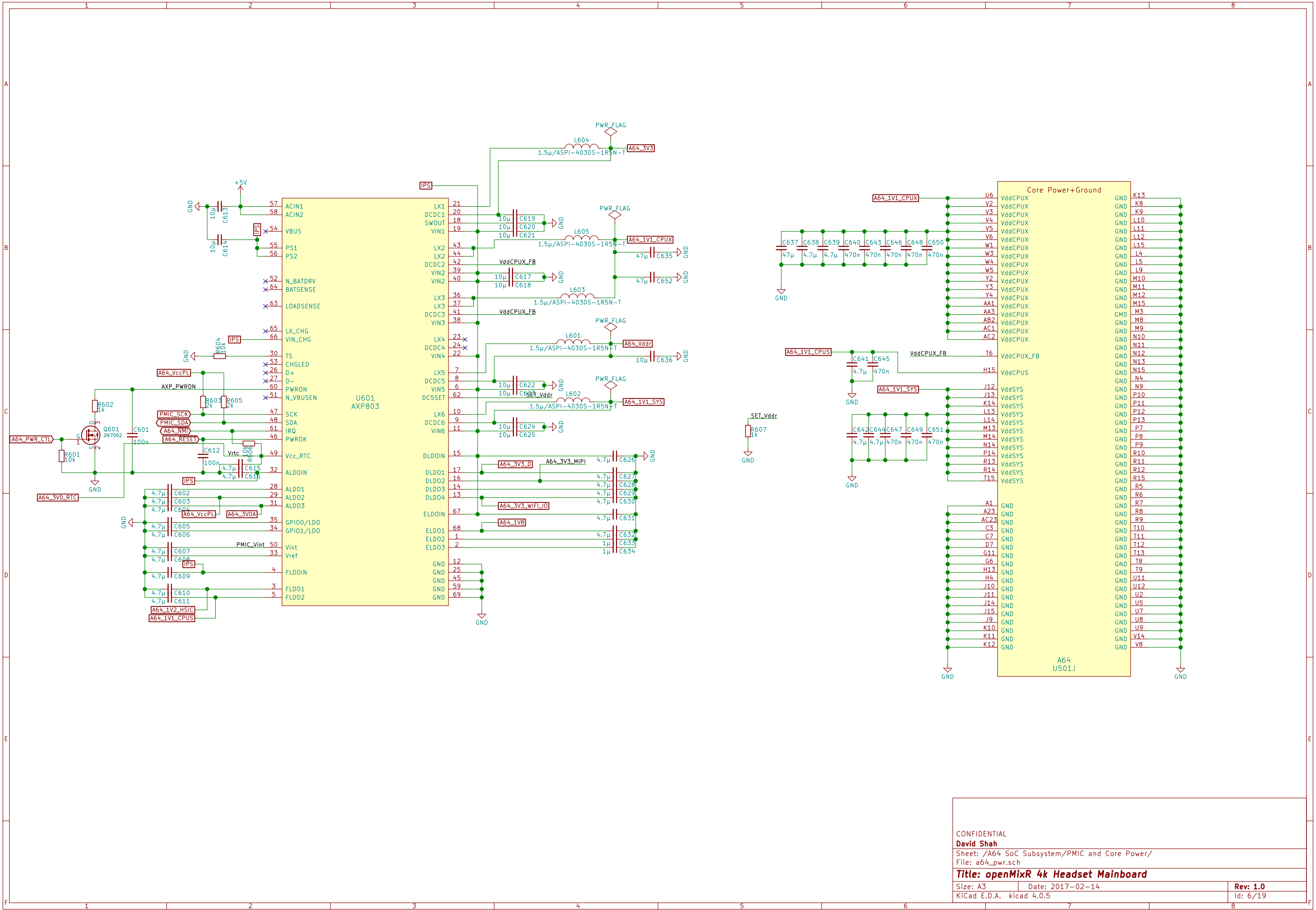
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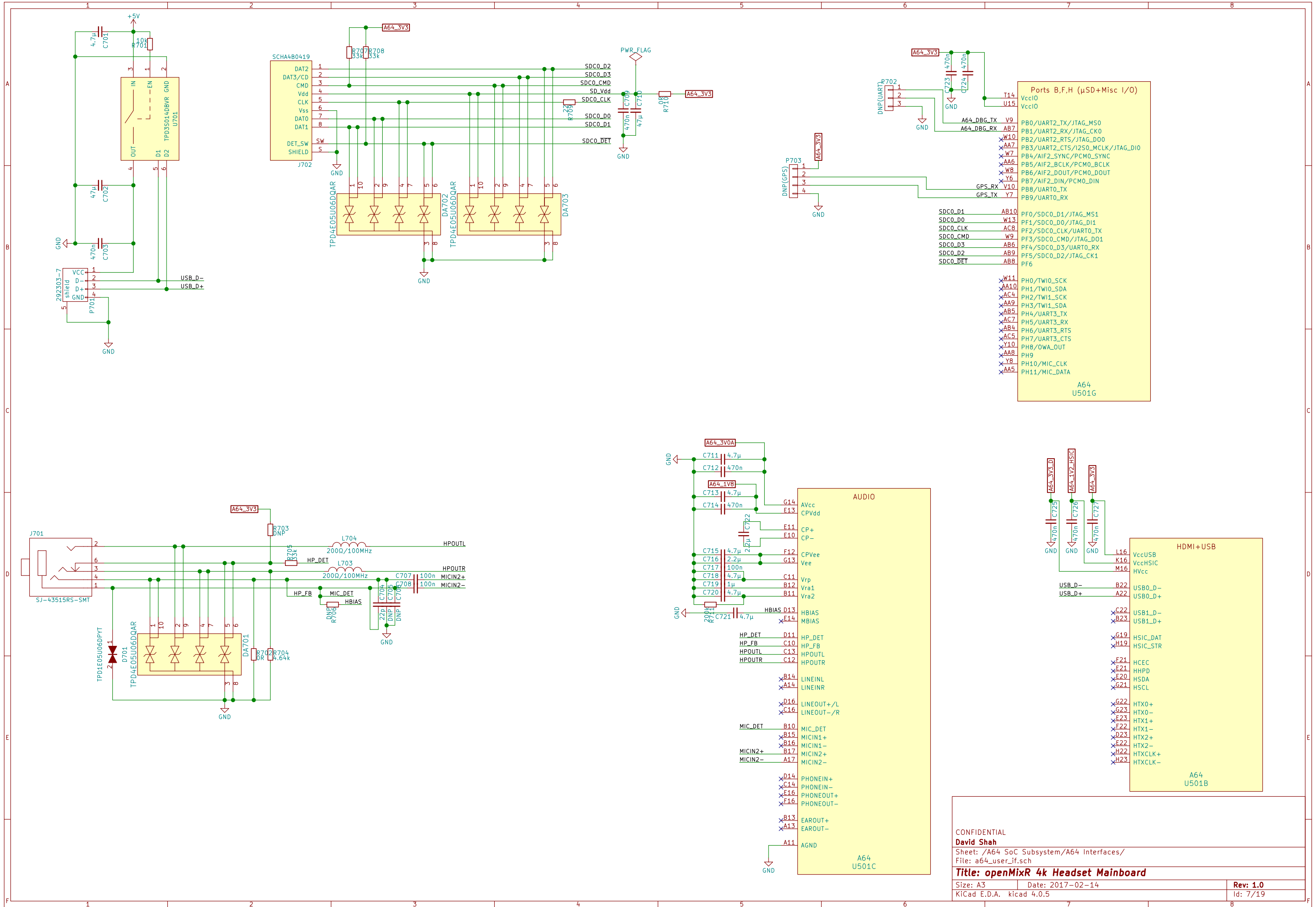
Rev: 1.0

KiCad E.D.A. kicad 4.0.5

Id: 4/19







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Sheet: /A64 SoC Subsystem/A64 Interfaces/
File: a64_user_if.sch

Title: openMixR 4k Headset Mainboard

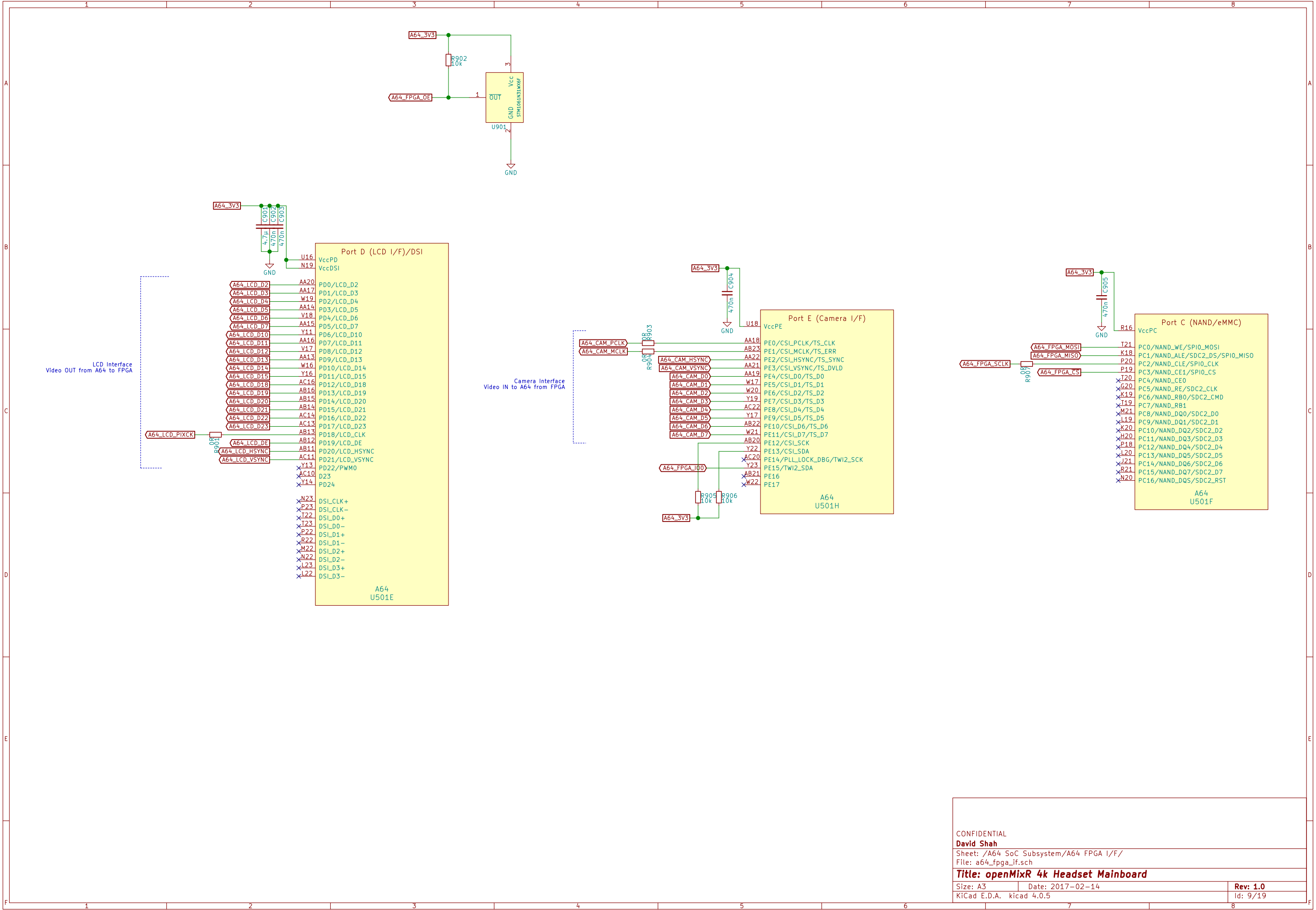
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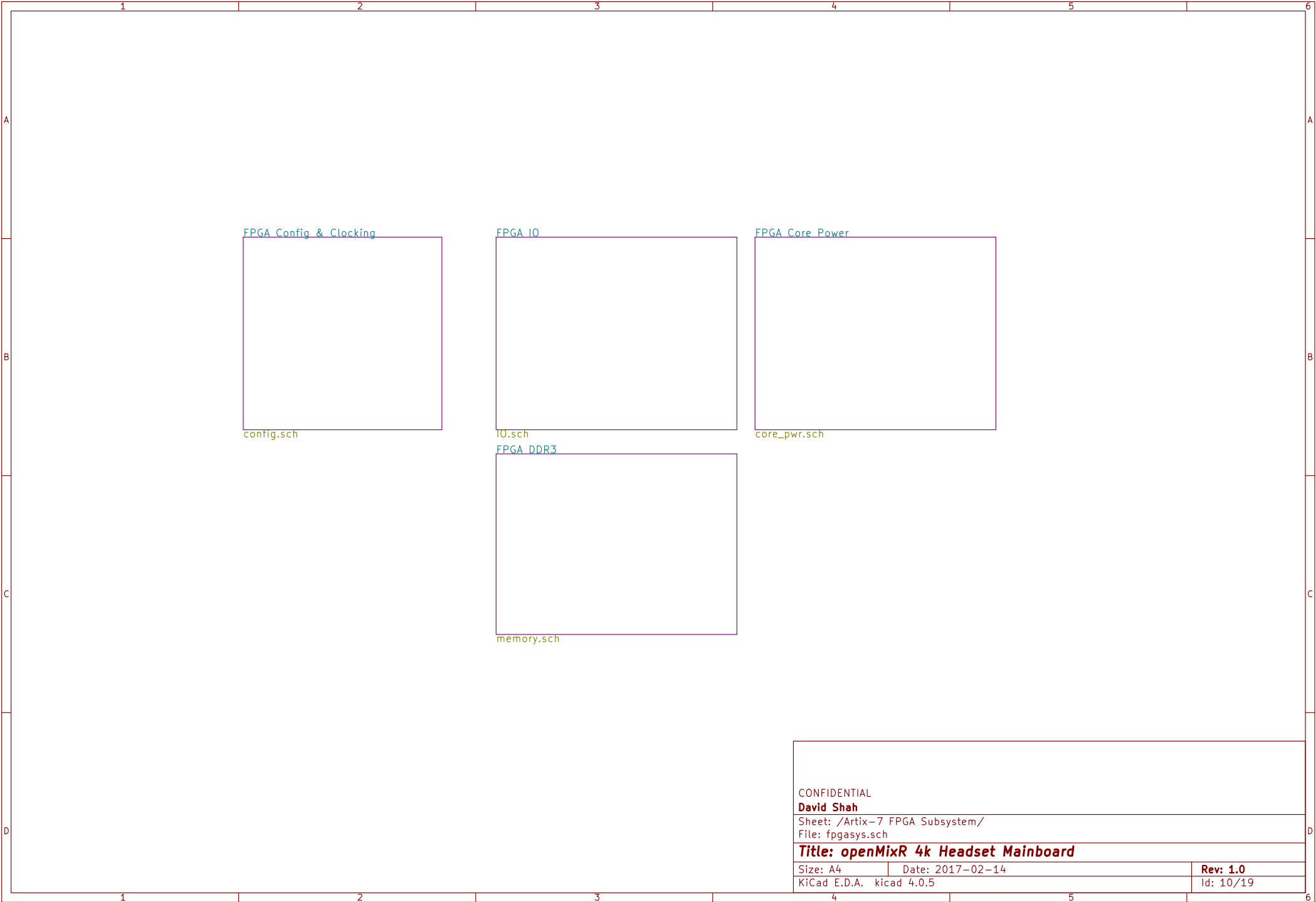
Date: 2017-02-14

Rev: 1.0

KiCad E.D.A. kicad 4.0.5

Id: 7/19





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Sheet: /Artix-7 FPGA Subsystem/
File: fpgasys.sch

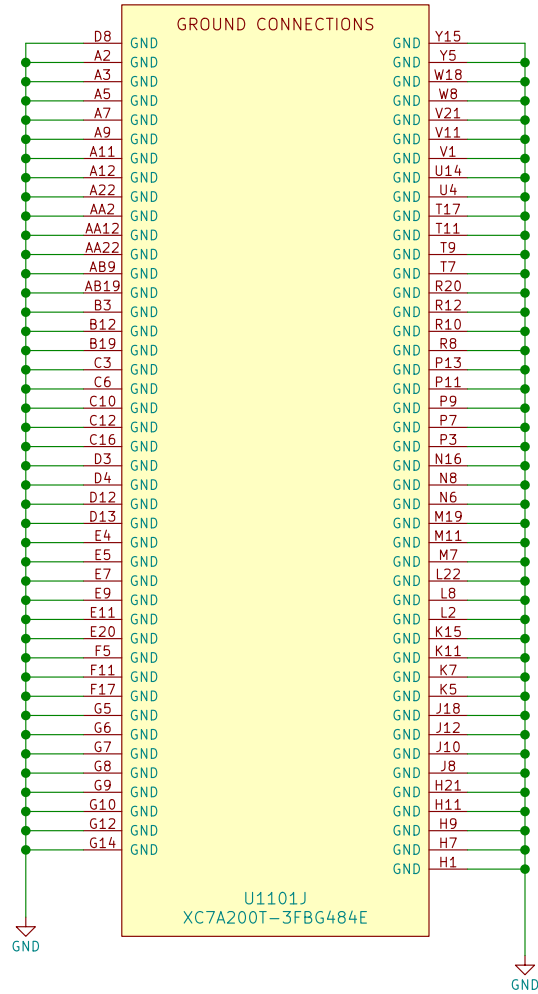
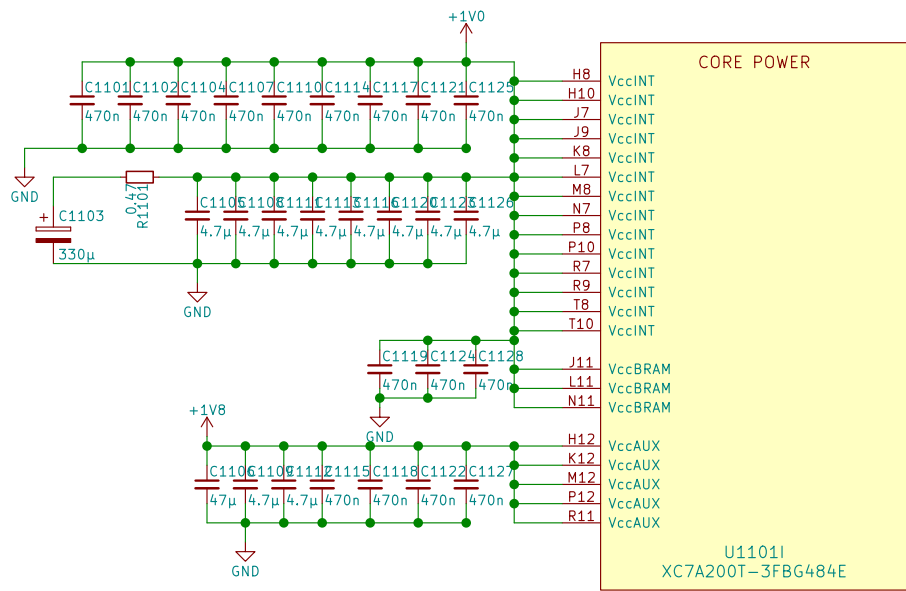
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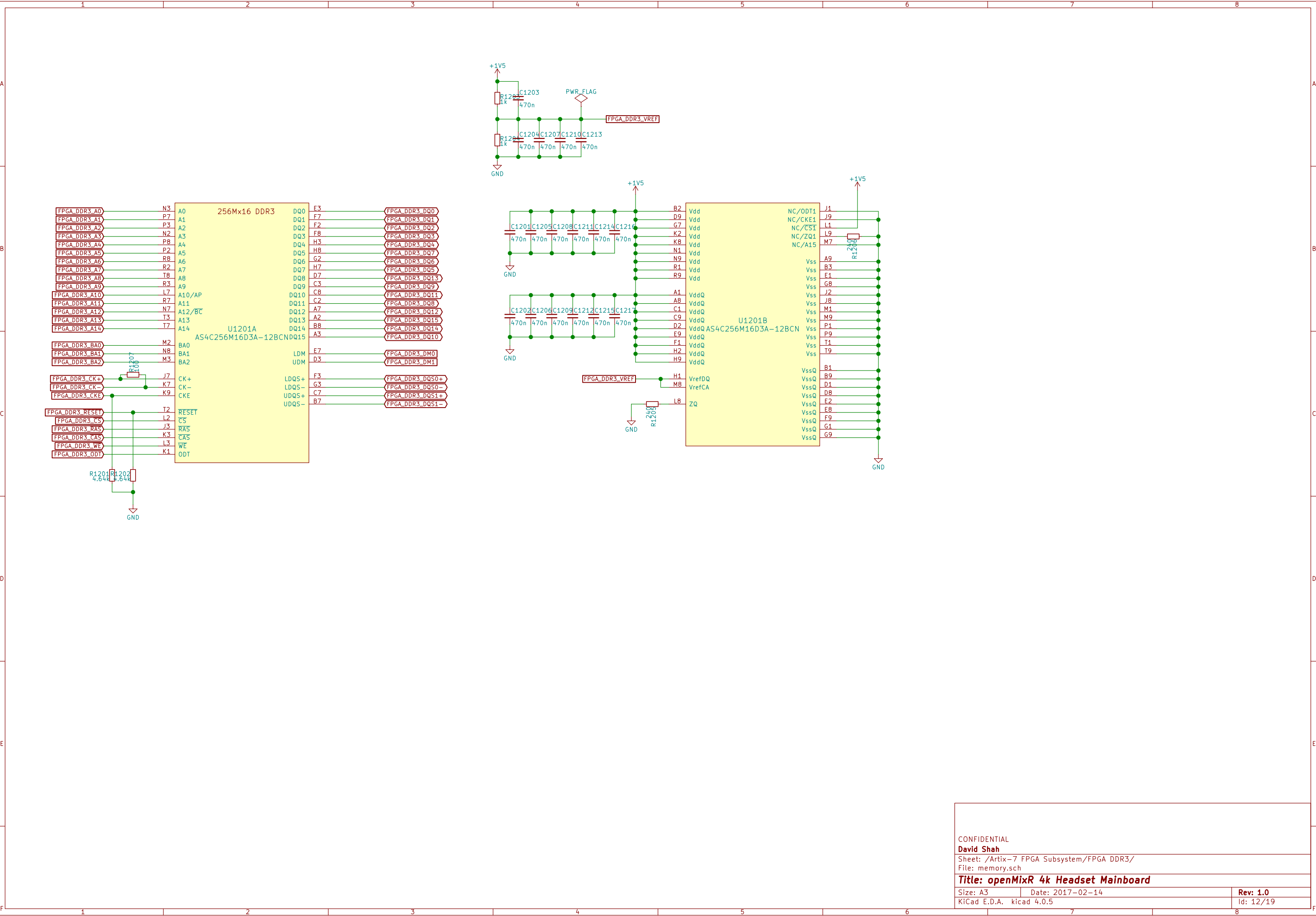
Size: A4 Date: 2017-02-14

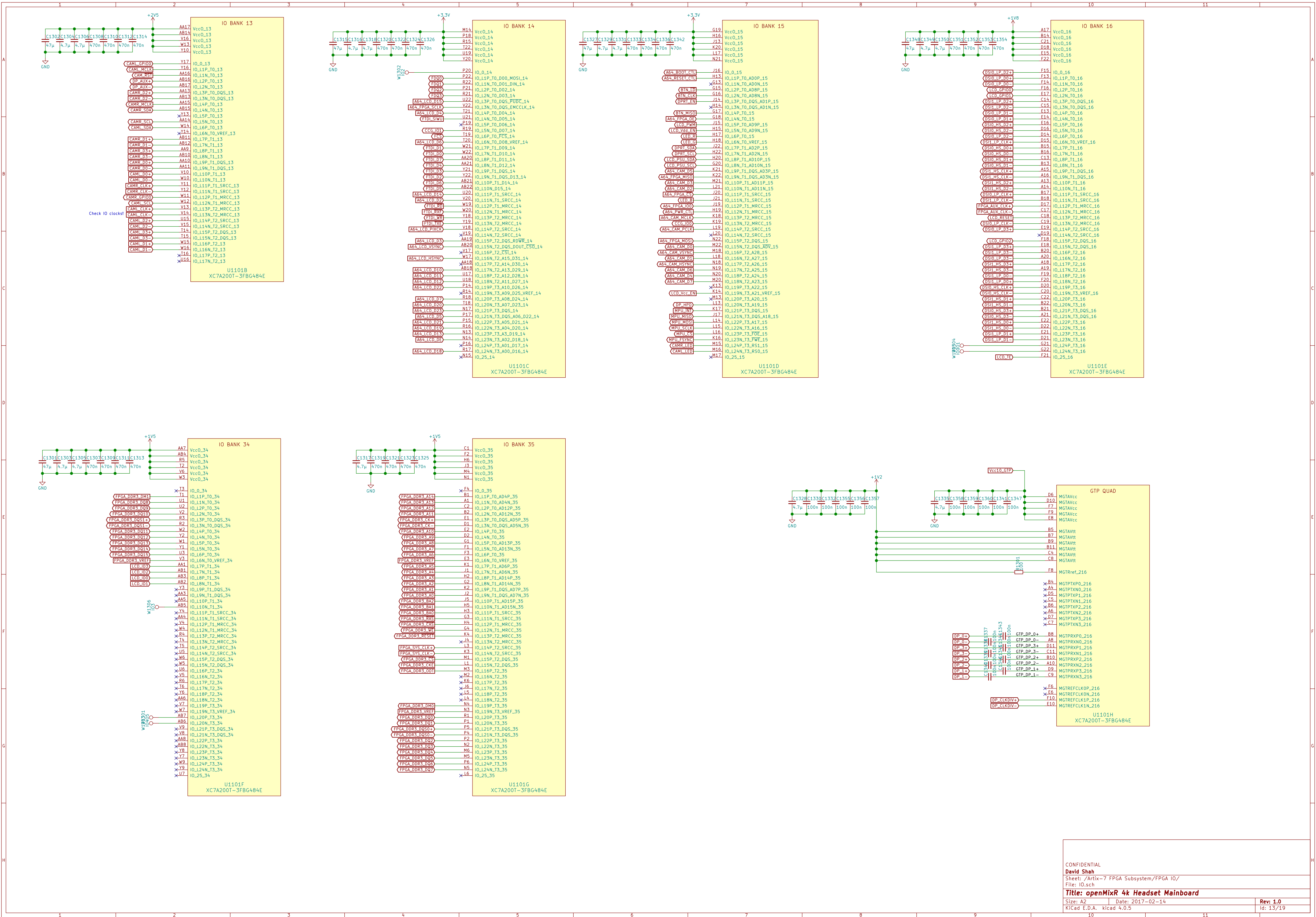
KiCad E.D.A. kicad 4.0.5

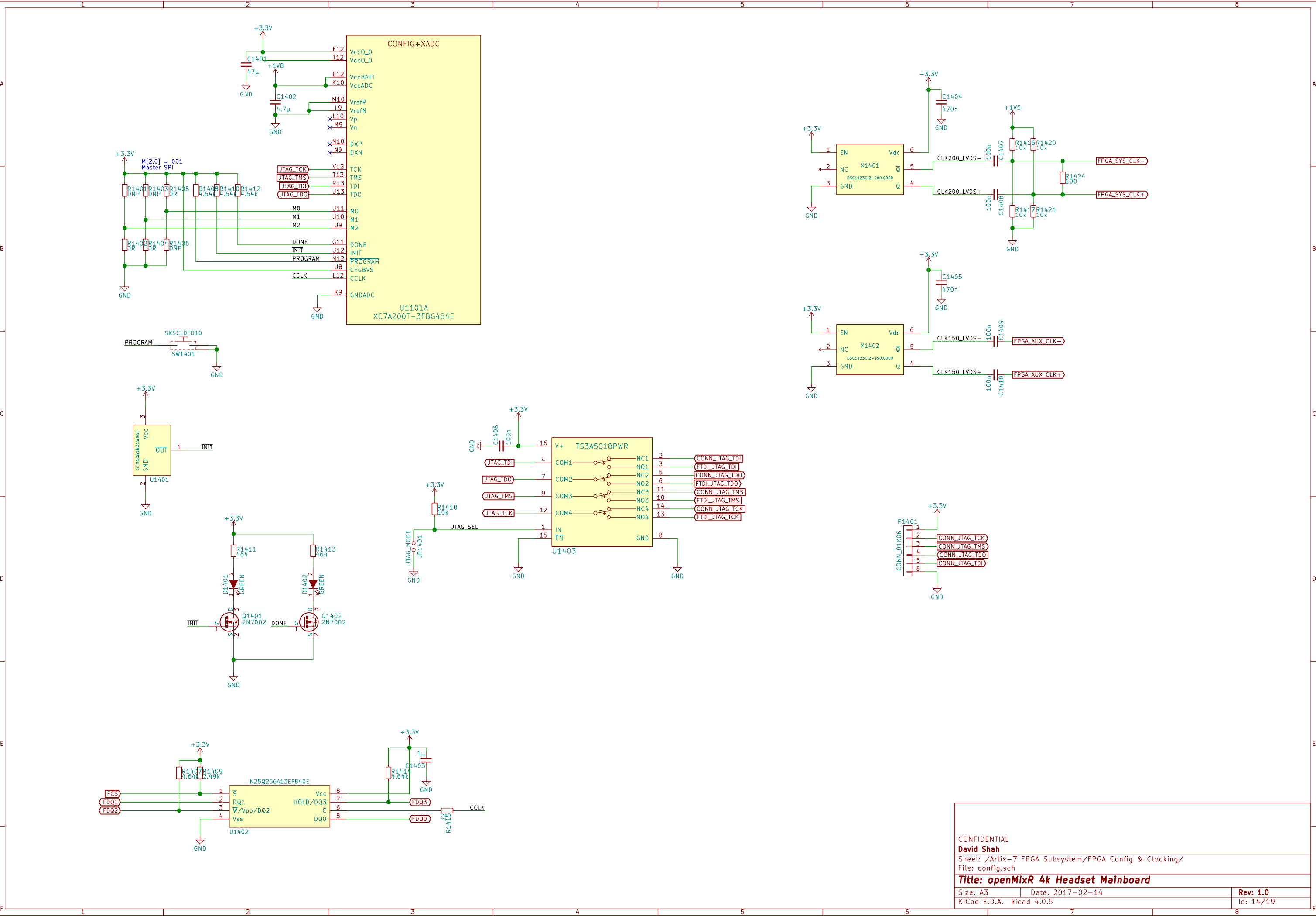
Rev: 1.0

Id: 10/19

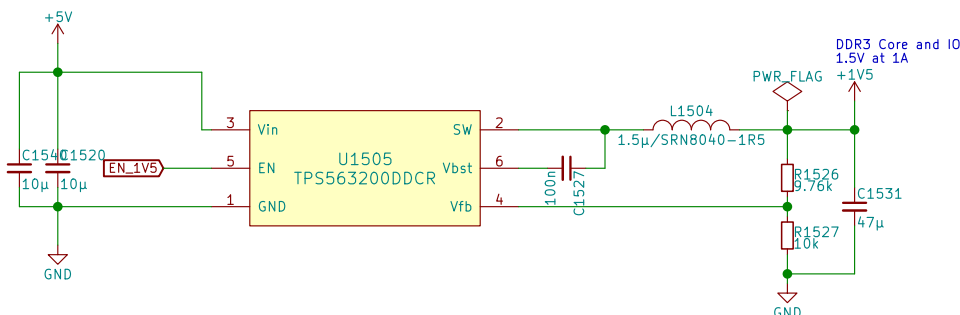
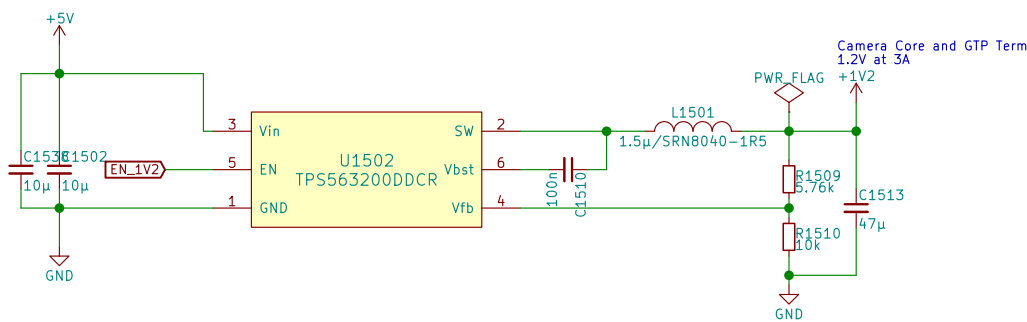
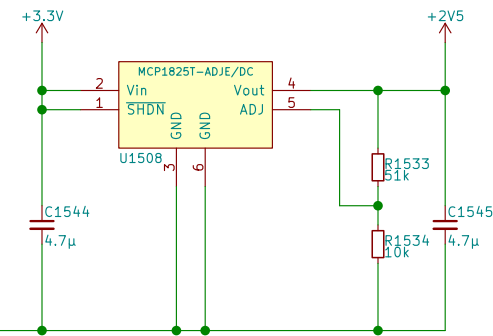
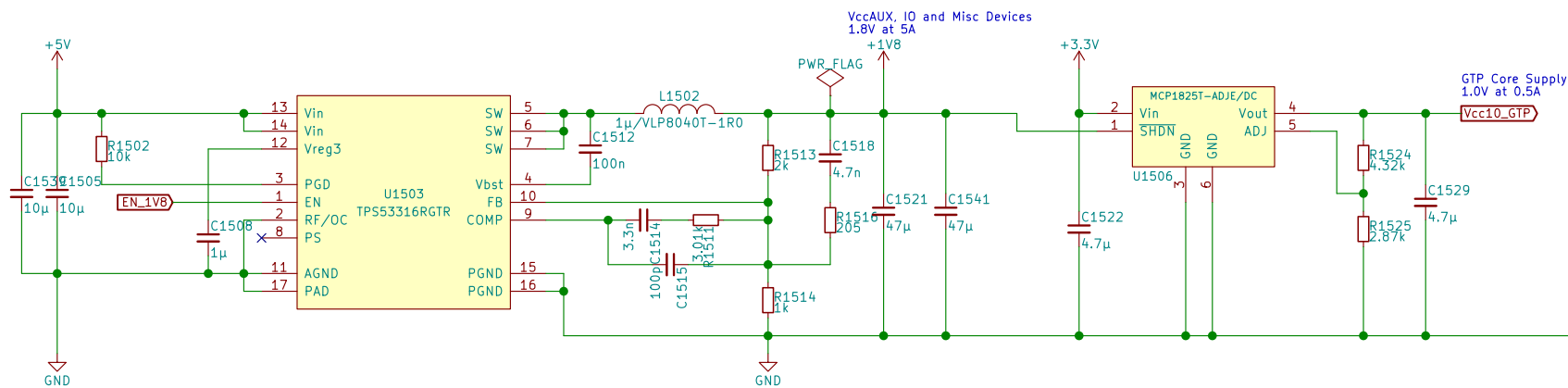
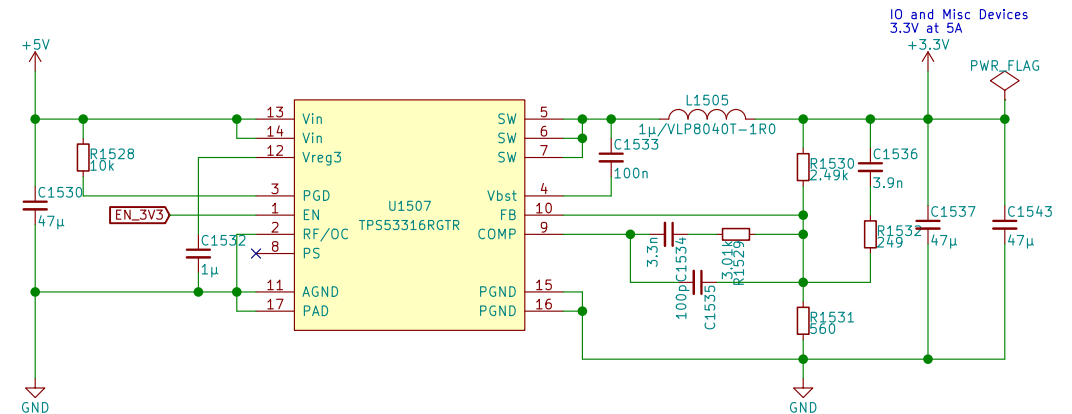
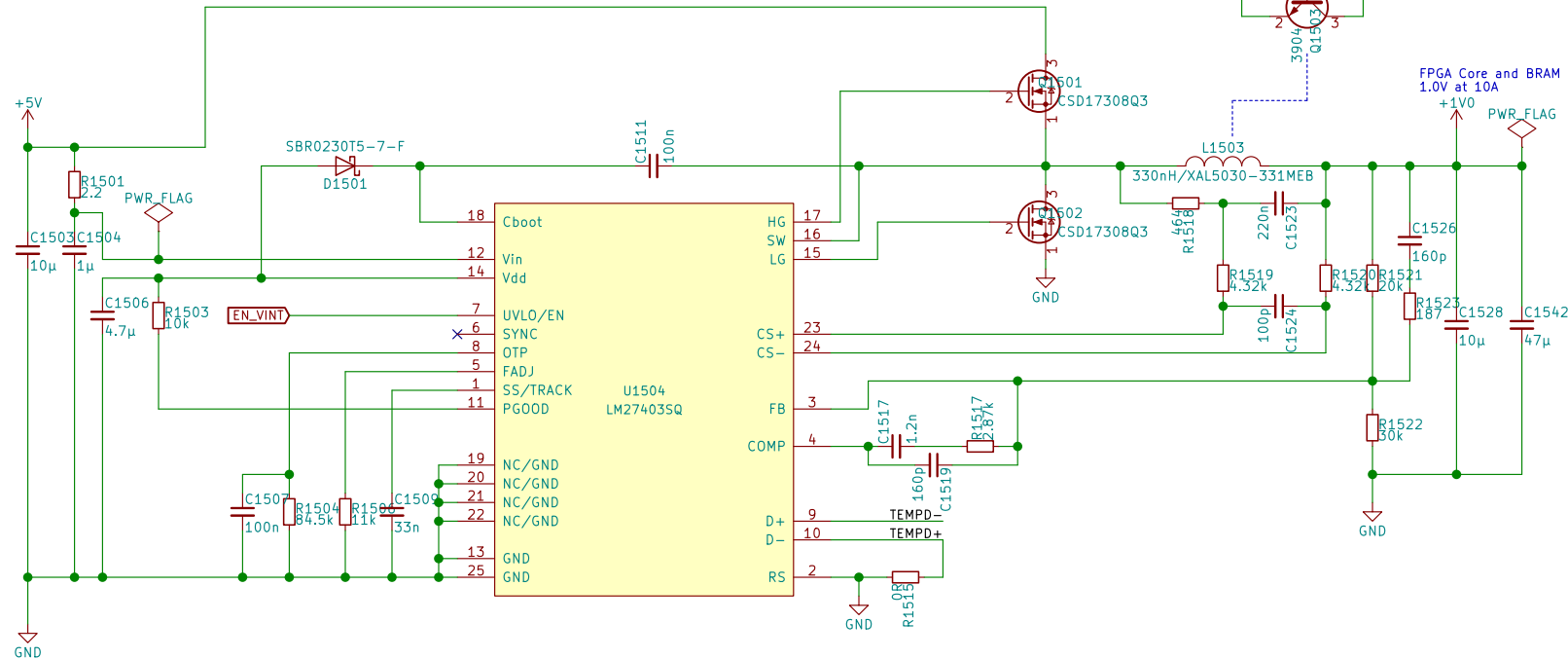
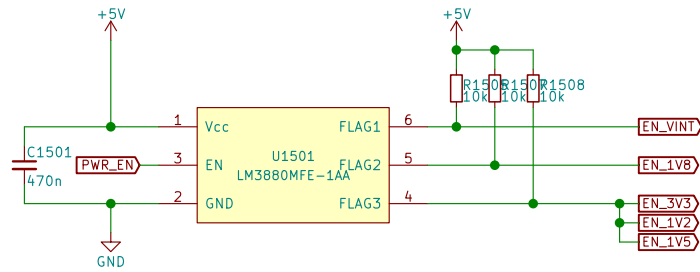
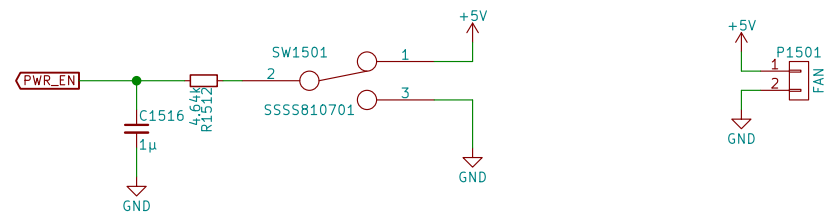








SEQUENCE
1.0V core
1.8V aux + 1.0V GTP
3.3V IO + 1.2V cam+GTP



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Sheet: /Voltage Regulators and Power Management/
File: vreg.sch

Title: openMixR 4k Headset Mainboard

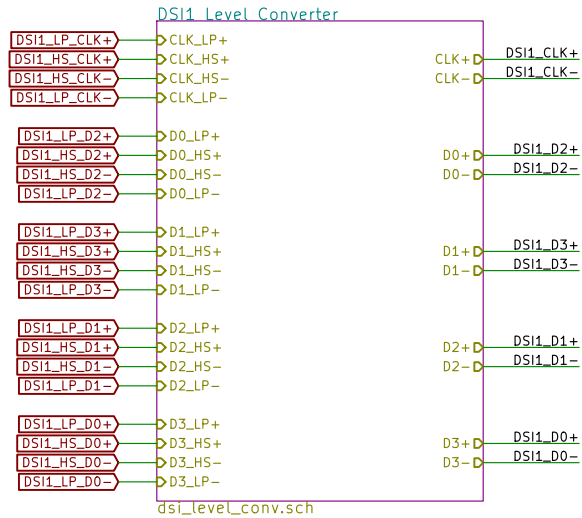
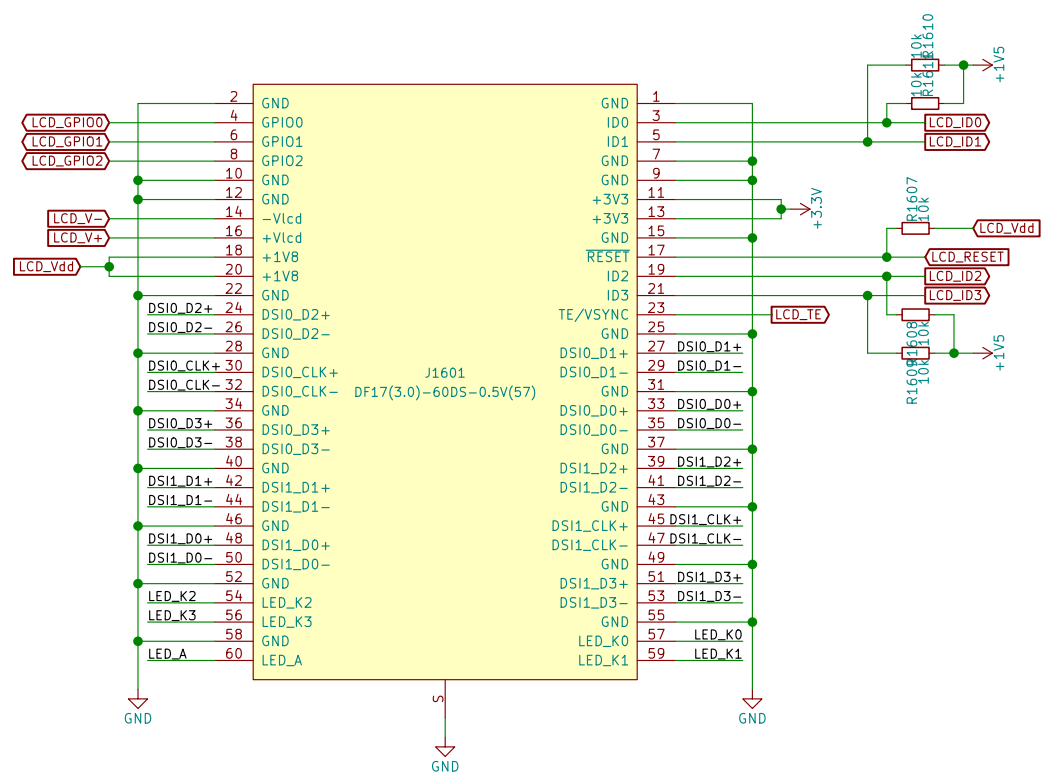
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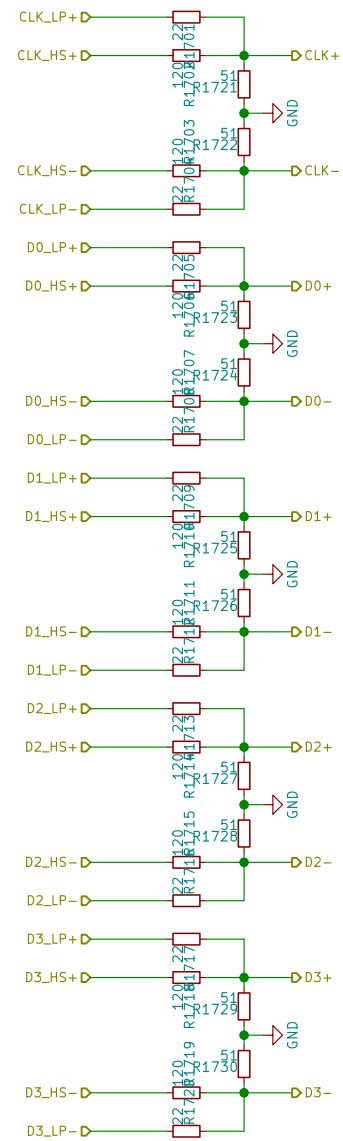
Date: 2017-02-14

Rev: 1.0

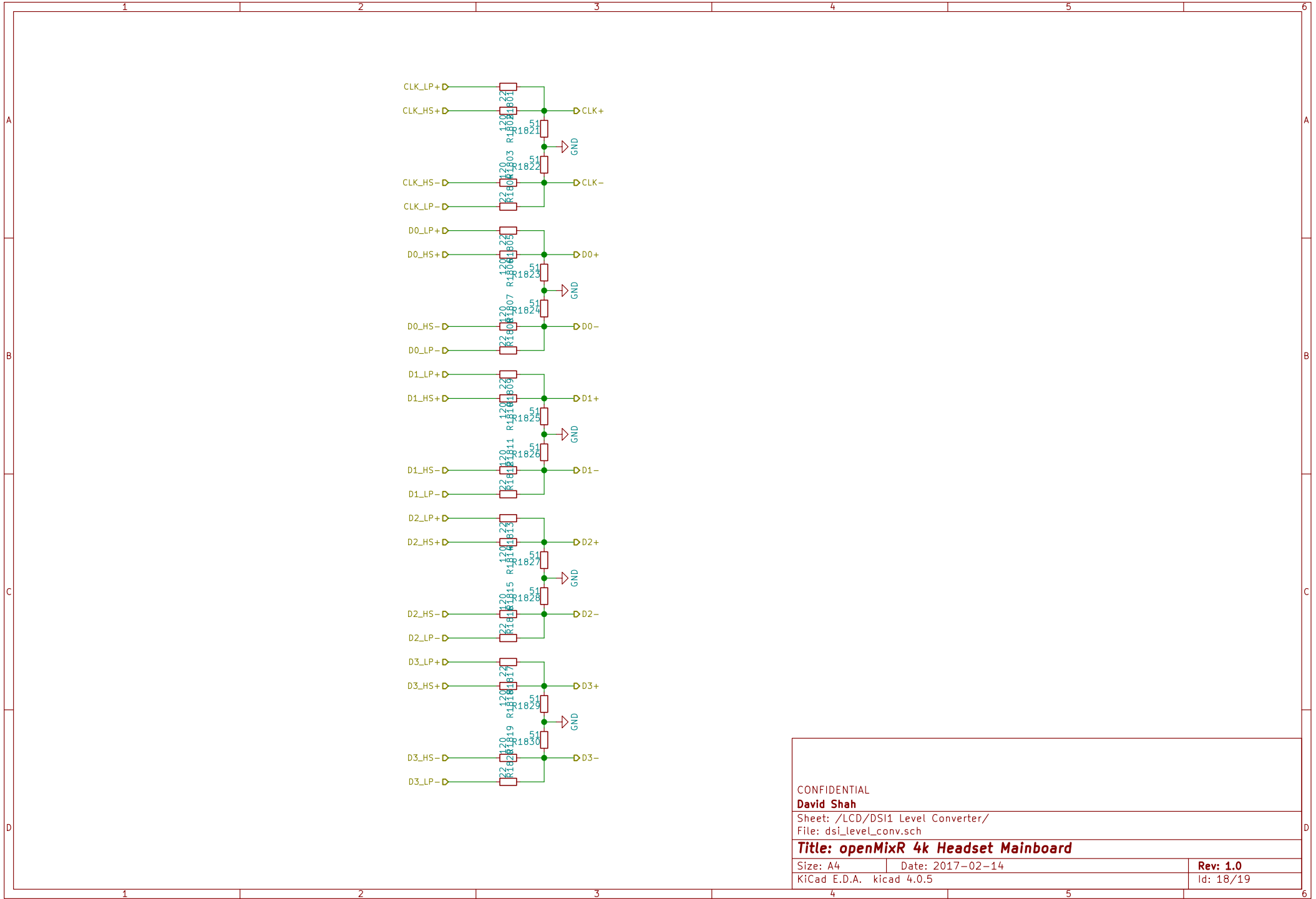
KiCad E.D.A. kicad 4.0.5

Id: 15/19





Id: 17/19



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Sheet: /LCD/DSI1 Level Converter/
File: dsi_level_conv.sch

Title: openMixR 4k Headset Mainboard

Size: A4 Date: 2017-02-14
KiCad E.D.A. kicad 4.0.5

Rev: 1.0
Id: 18/19

