

# Rethera

# FB-04 Adat Interface

## Schematics

### Subschematics:

IO board

Sheetfile: io\_board.kicad\_sch

Power Supply

Sheetfile: power\_supply.kicad\_sch

MCU and USB

Sheetfile: main\_board.kicad\_sch

FPGA config and peripherals

File: peripherals.kicad\_sch

FPGA and clock generators

Sheetfile: fpga.kicad\_sch

IO main

Sheetfile: io.kicad\_sch

Display board

Sheetfile: display\_board.kicad\_sch

Drawn by Łukasz Świszcz

Rethera

Sheet: /

File: adaty2.kicad\_sch

**Title: 16-in, 16-out USB <-> ADAT interface**

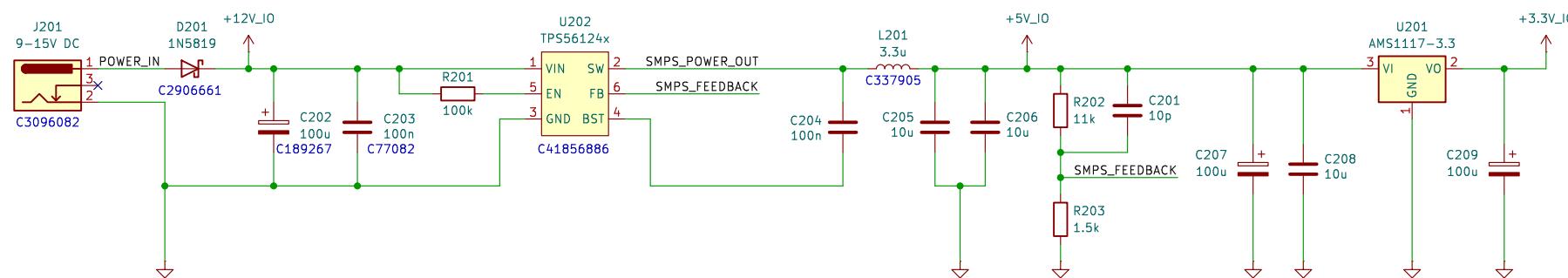
Size: A4 Date: 2025-09-29

KiCad E.D.A. 9.0.5

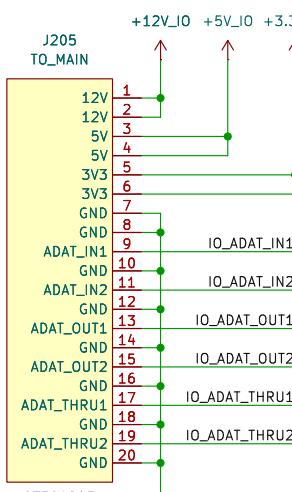
**Rev: 1.0a**

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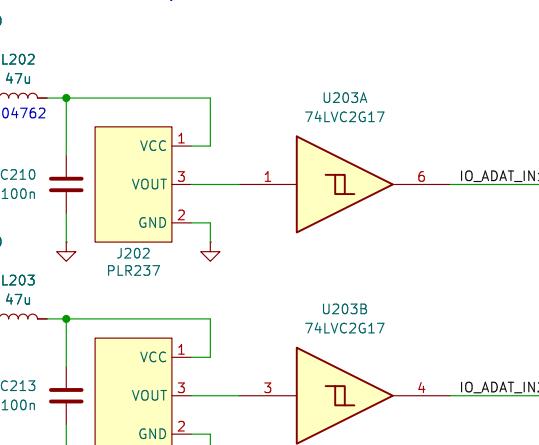
# Power Supply: 9–15V –SMPS–> 5V –LDO–> 3V3



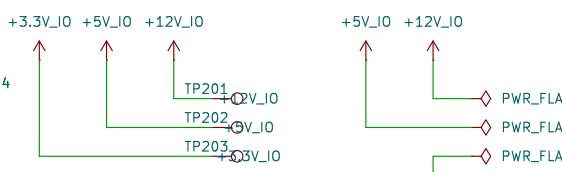
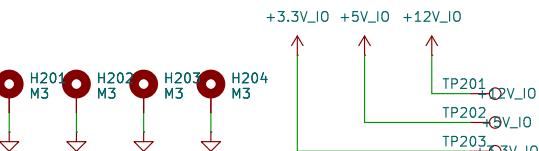
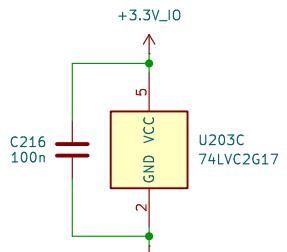
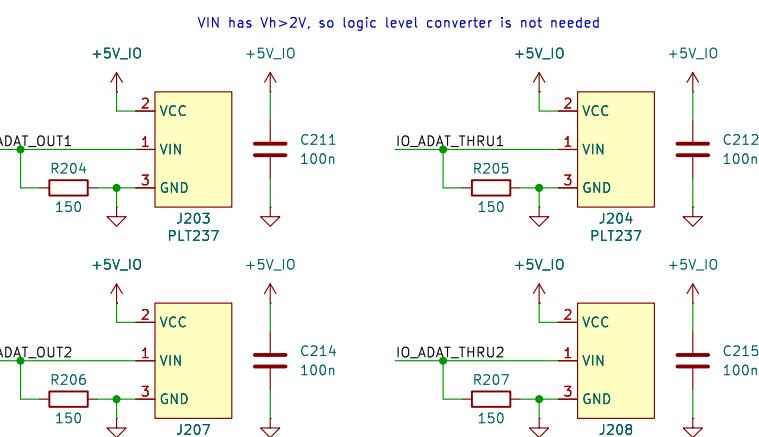
## IDC Connector



## Output Buffers



## ADAT Terminals



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Sheet: /IO board/  
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Title: 16-in, 16-out USB <→ ADAT interface

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