

	1	2	3	4	5	6
A						
B						
C						
D						
	1	2	3	4	5	6

Power



File: mainboard\_\_power.kicad\_sch

Level Shifter / I2C



File: mainboard\_\_level\_shifter.kicad\_sch

Z-Turn-Lite



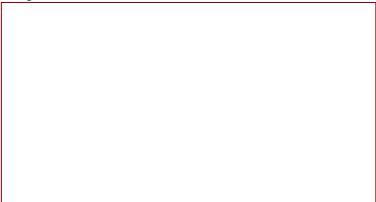
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AR0330



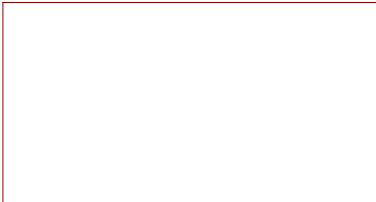
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Plugins / PMOD



File: mainboard\_\_plugins.kicad\_sch

AR1335



File: mainboard\_\_ar1335.kicad\_sch

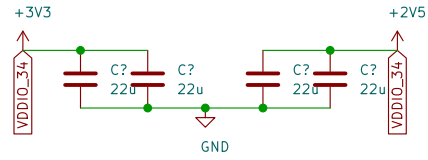
Apertus

Sheet: /  
File: mainboard.kicad\_sch

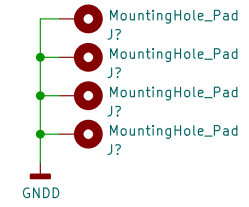
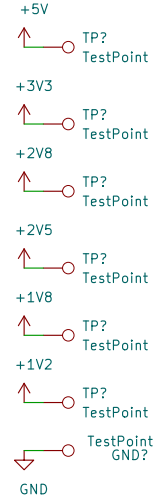
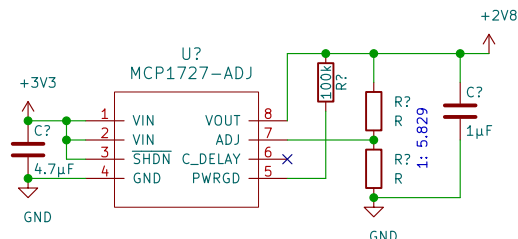
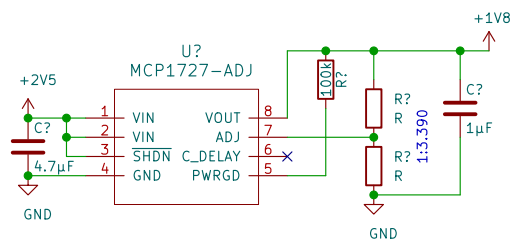
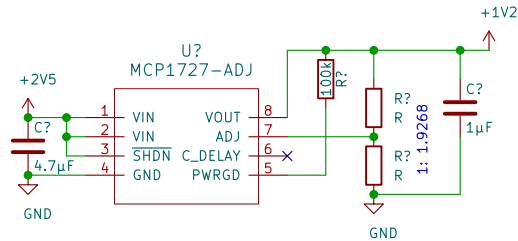
Title: AXIOM micro main board

Size: A4	Date: 2021-01-18	Rev: 2.1
KiCad E.D.A. kicad (5.99.0-8453-g50e22de3ba)		Id: 1/7

The Z-Turn Lite has generously sized DC/DC converters (3A) for the vccio voltages. So we use them for almost everything



TODO: decide on resistor values

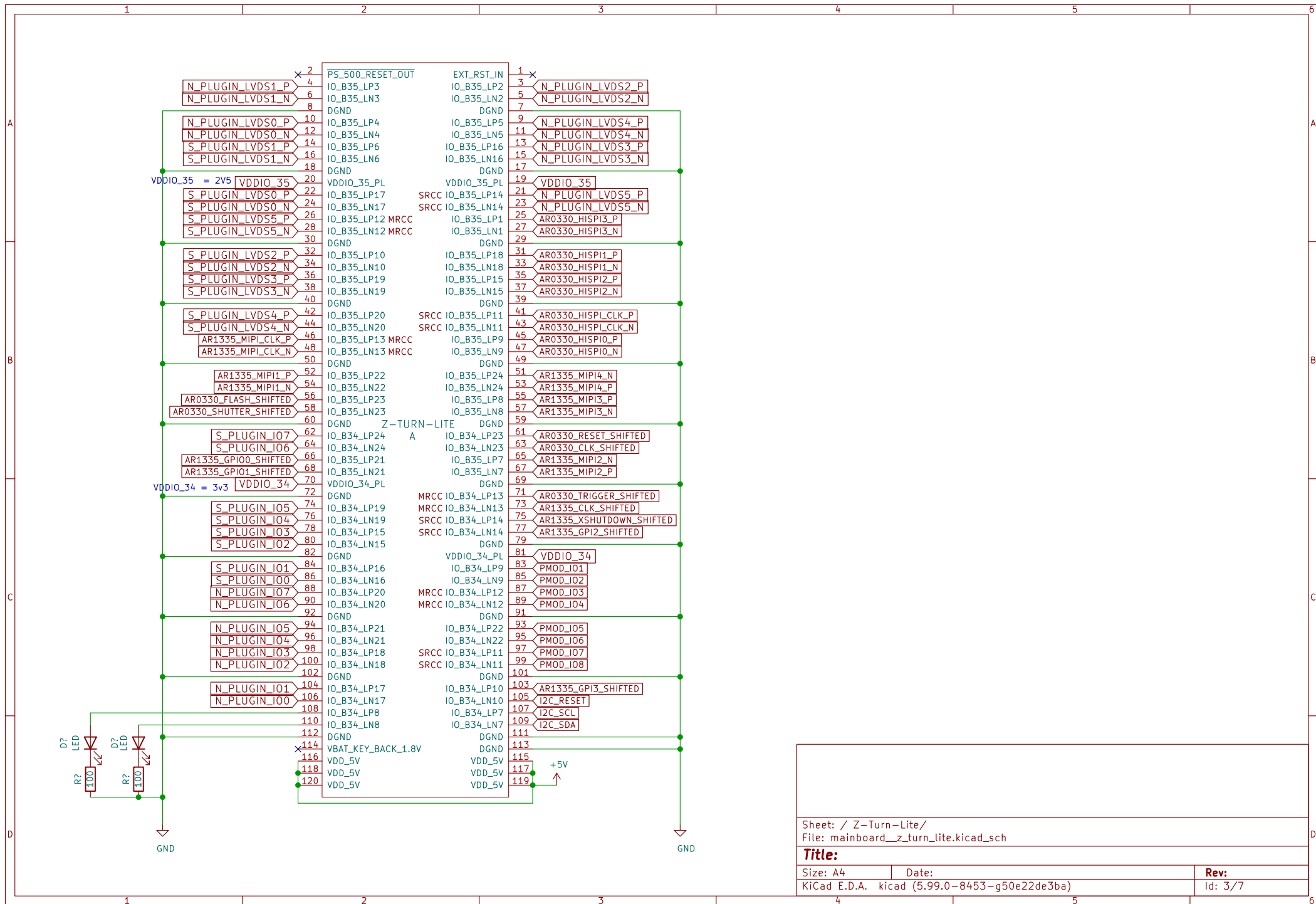


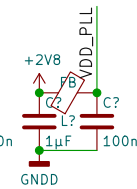
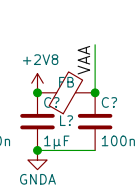
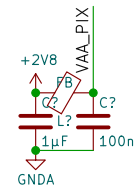
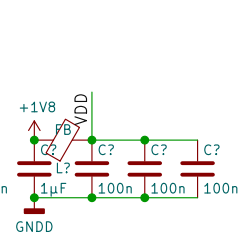
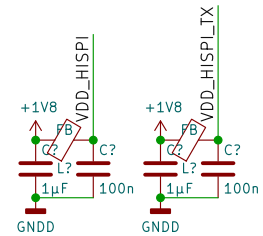
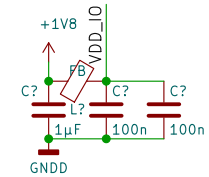
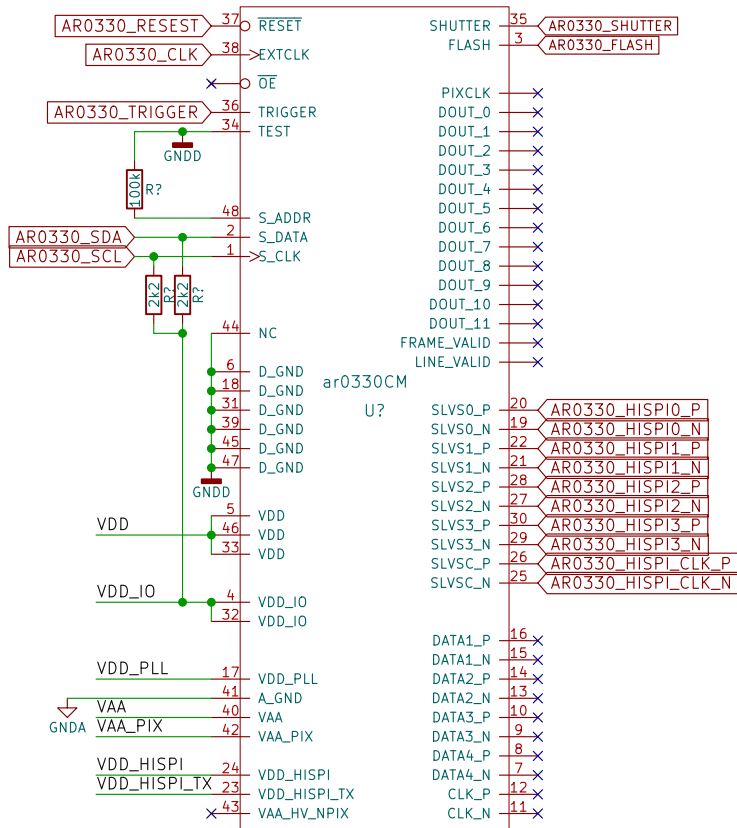
Apertus

Sheet: /Power/  
File: mainboard\_power.kicad\_sch

Title: AXIOM Micro r2.1

Size: A4	Date: 2021-01-18	Rev: 2.1
KiCad E.D.A. kicad (5.99.0-8453-g50e22de3ba)		Id: 2/7





Sheet: /AR0330/  
File: mainboard\_ar0330.kicad\_sch

Title:

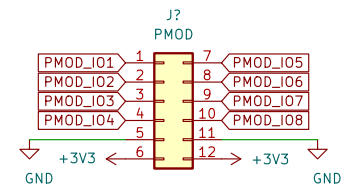
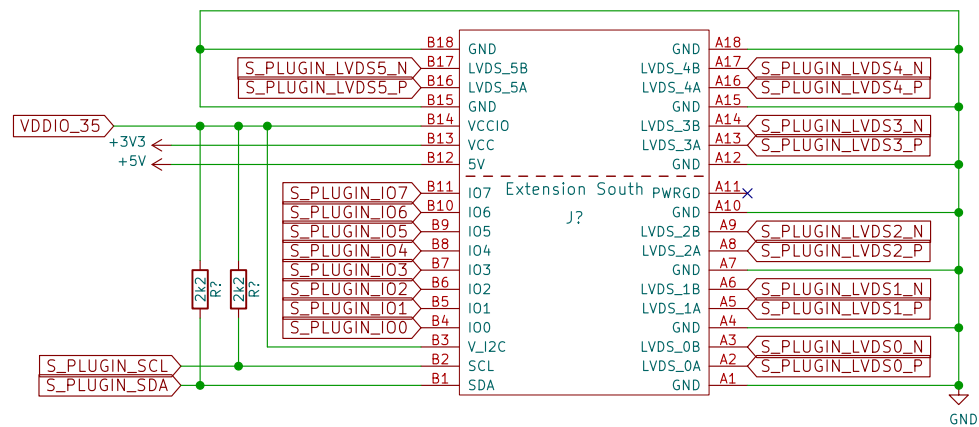
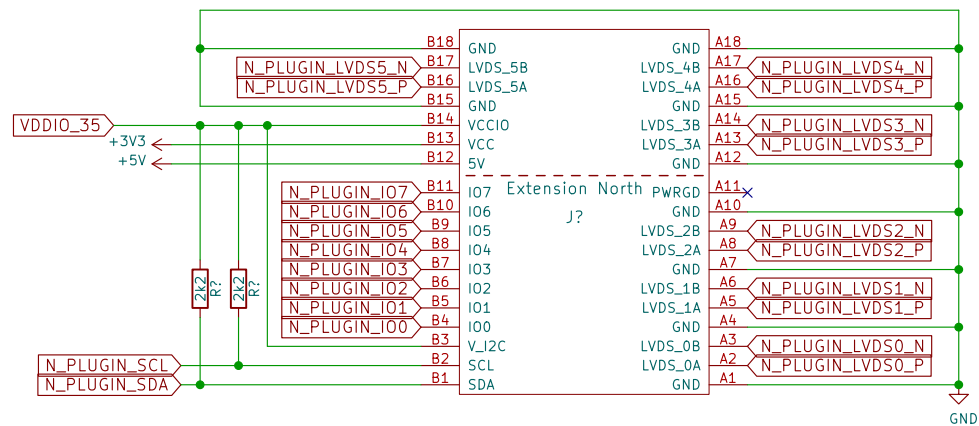
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Date:

KiCad E.D.A. kicad (5.99.0-8453-g50e22de3ba)

Rev:

Id: 4/7



Sheet: /Plugins / PMOD/  
File: mainboard\_plugins.kicad\_sch

**Title:**

Size: A4  
KiCad E.D.A. kicad (5.99.0-8453-g50e22de3ba)

Date:

**Rev:**

Id: 5/7



