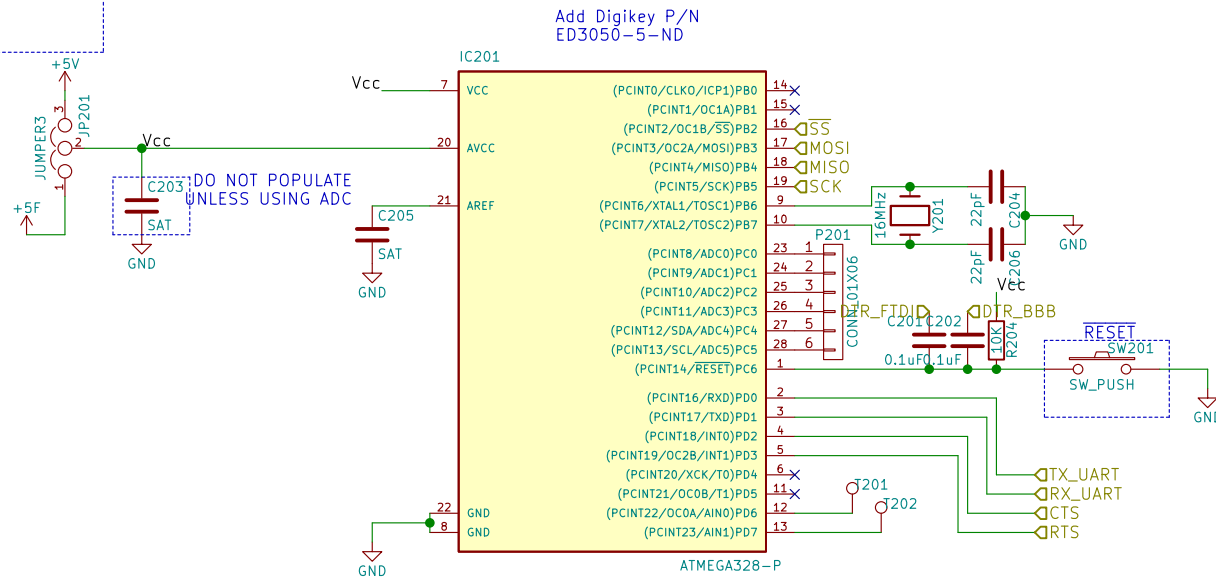


NOTE: ARDUINO PINS DO NOT CORRESPOND TO ATMEGA328 PINS



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Electrical Team

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Sheet: /Sheet591E8E14/
File: atmega328sch.sch

Title: Motherboard

Size: A4 Date: 2017-07-31

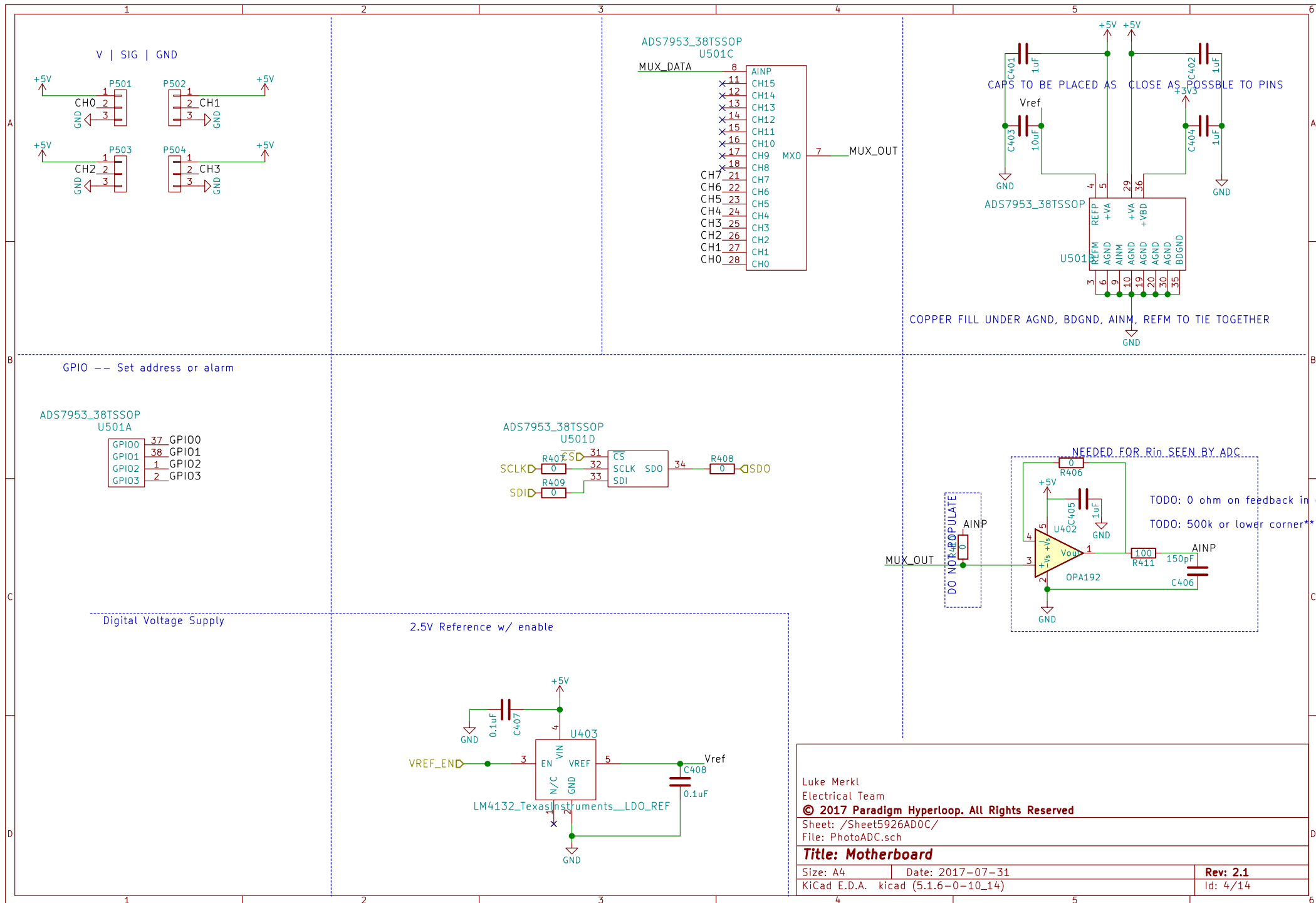
KiCad E.D.A. kicad (5.1.6-0-10_14)

Rev: 2.1

Id: 2/14

[illegible]

Id: 3/14



V | SIG | GND

ADS7953_38TSSOP
U501C

CAPS TO BE PLACED AS CLOSE AS POSSIBLE TO PINS

COPPER FILL UNDER AGND, BDGND, AINM, REFM TO TIE TOGETHER

GPIO -- Set address or alarm

ADS7953_38TSSOP
U501A

ADS7953_38TSSOP
U501D

NEEDED FOR Rin SEEN BY ADC

TODO: 0 ohm on feedback in case we
TODO: 500k or lower corner**

Digital Voltage Supply

2.5V Reference w/ enable

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Sheet: /Sheet5926AD0C/
File: PhotoADC.sch

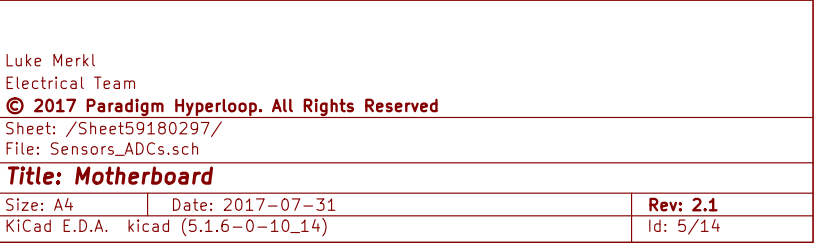
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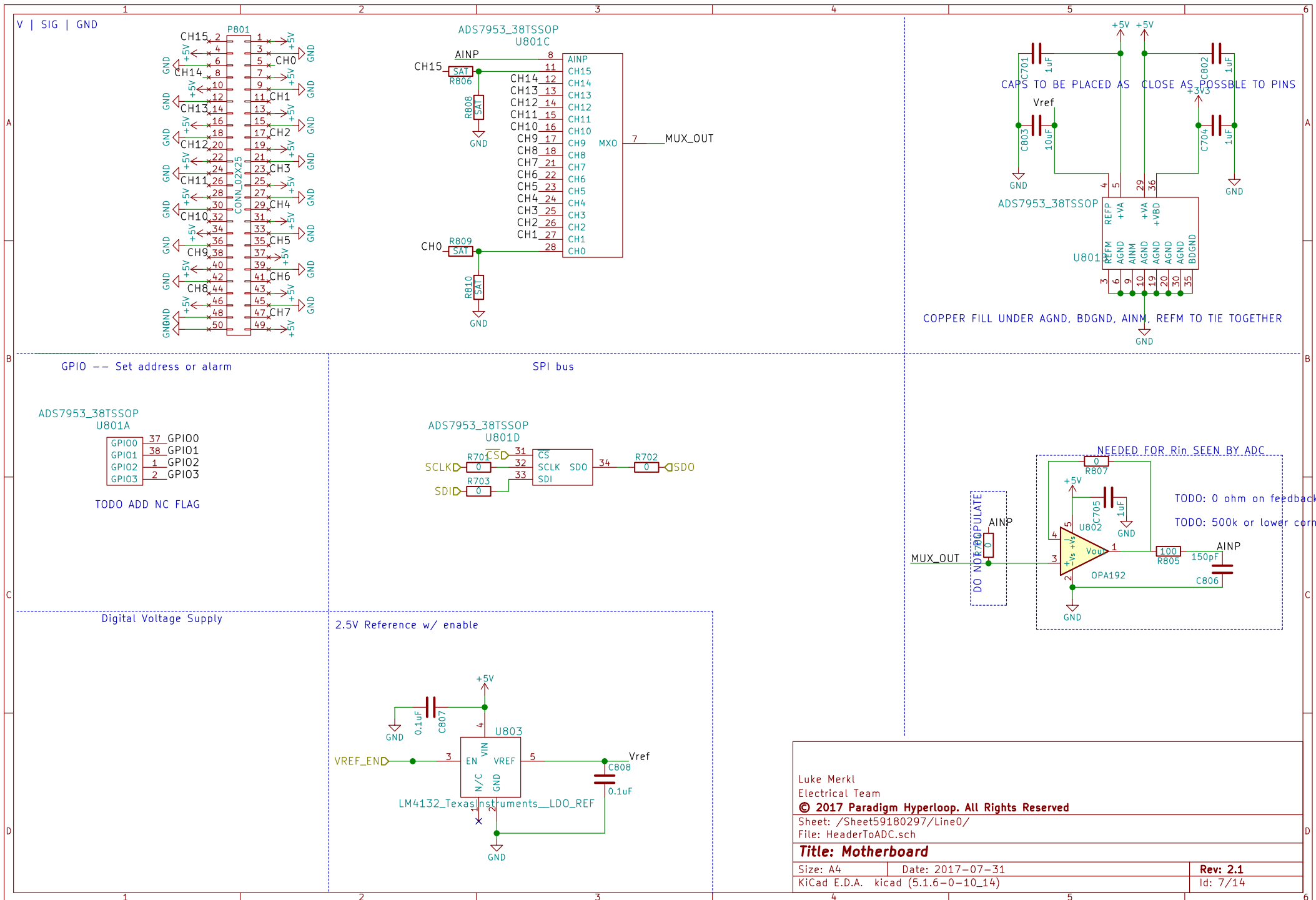
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KiCad E.D.A. kicad (5.1.6-0-10_14)

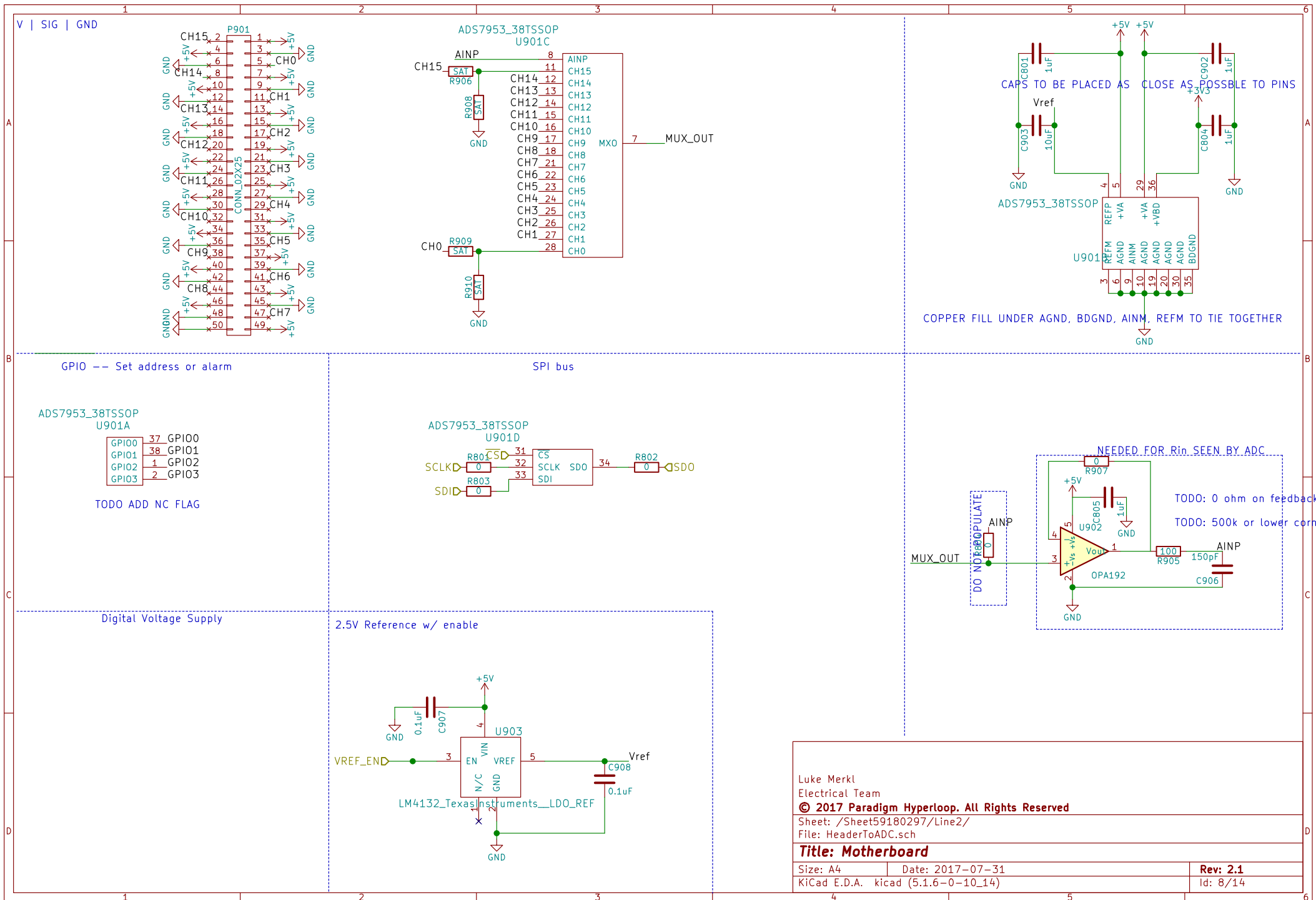
Date: 2017-07-31

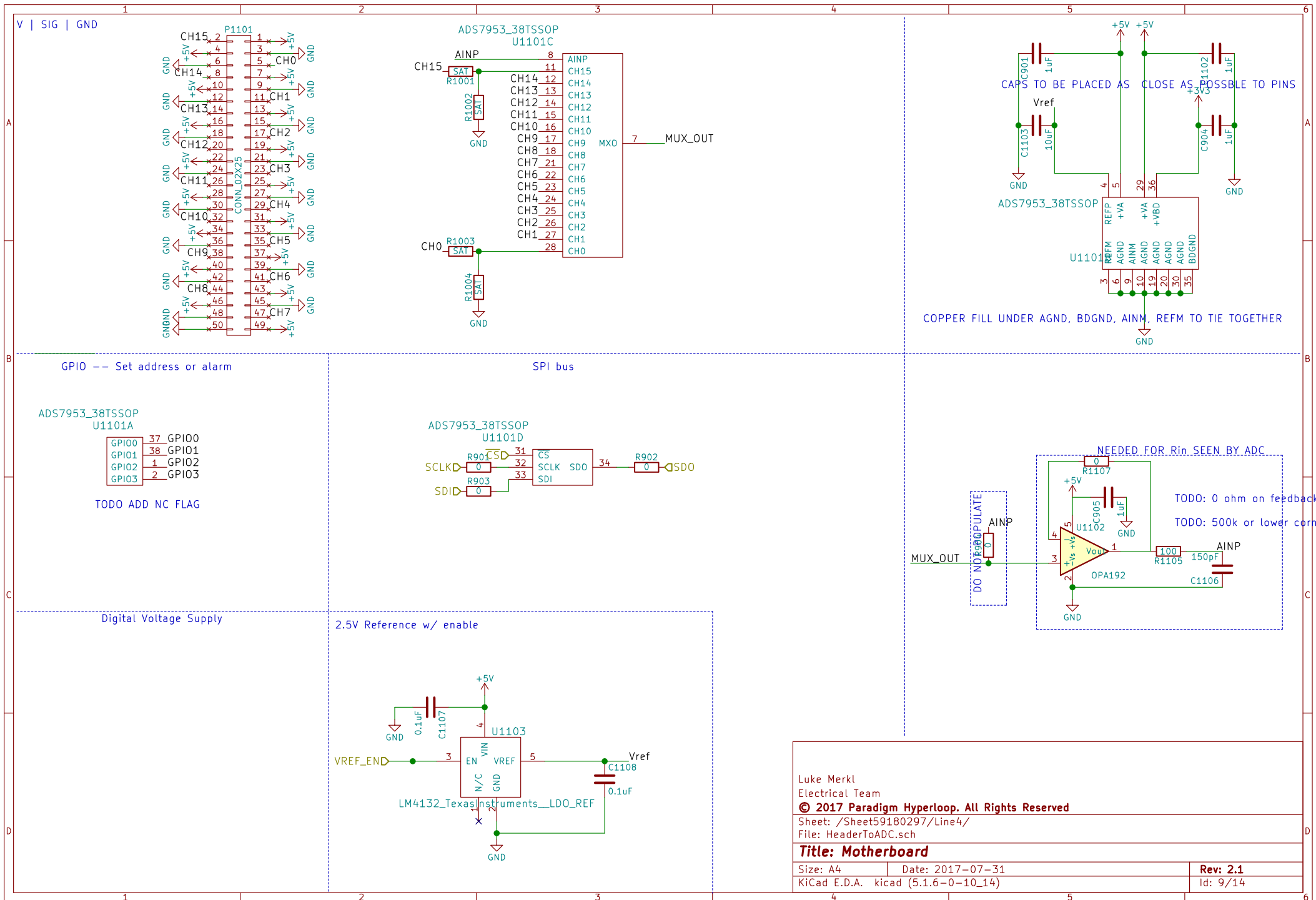
Rev: 2.1

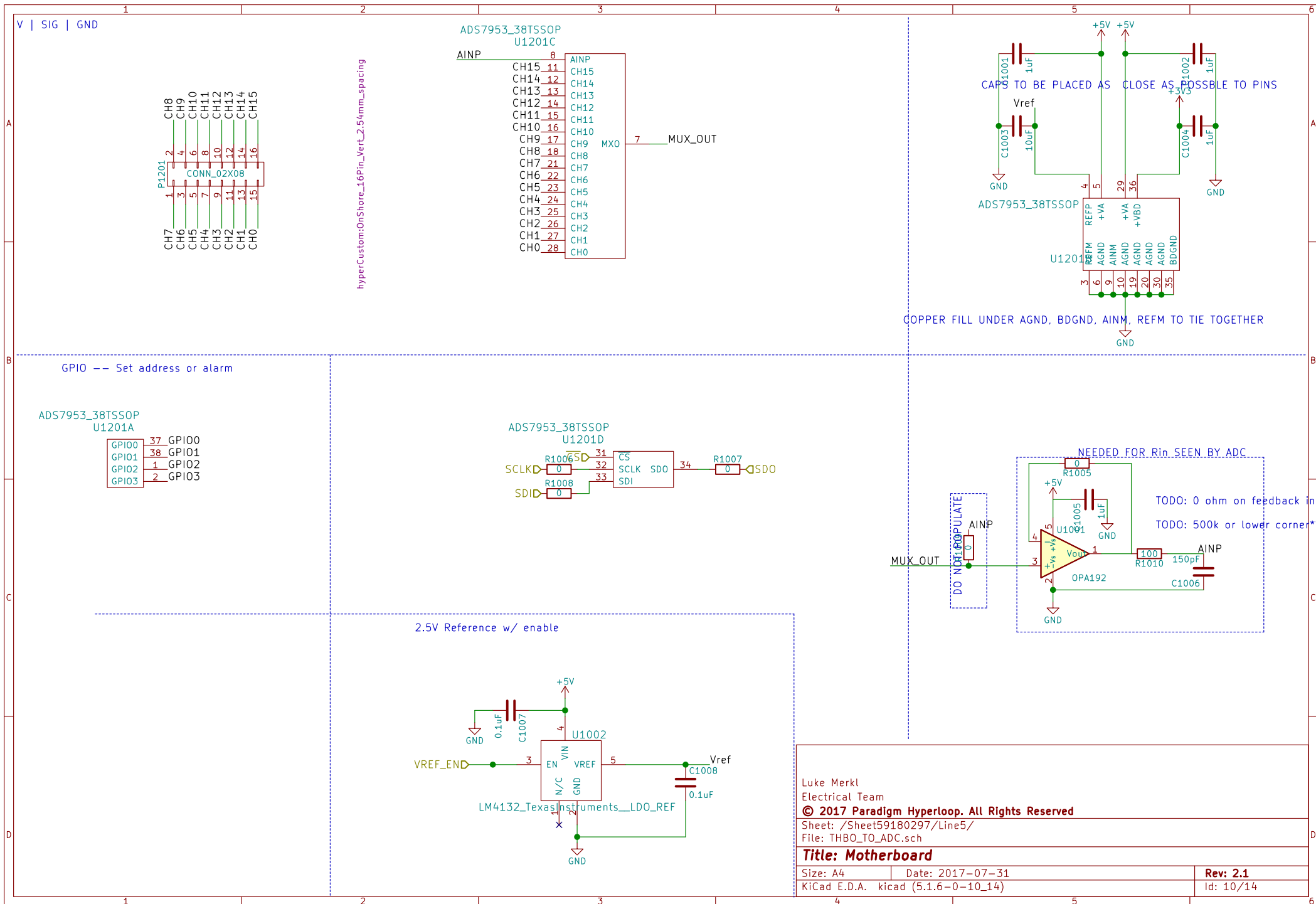
Id: 4/14

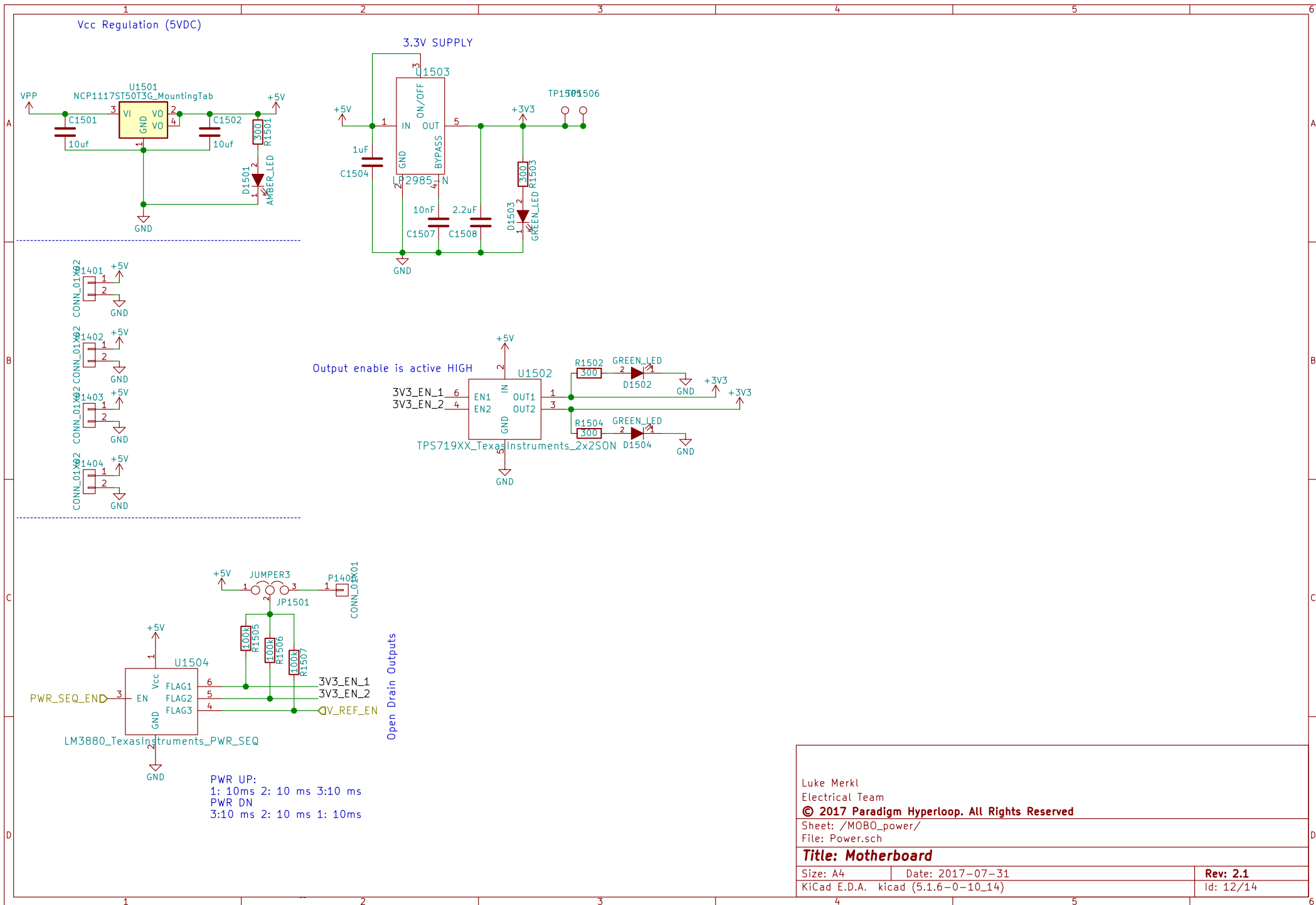












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Sheet: /MOBO_power/
File: Power.sch

Title: Motherboard

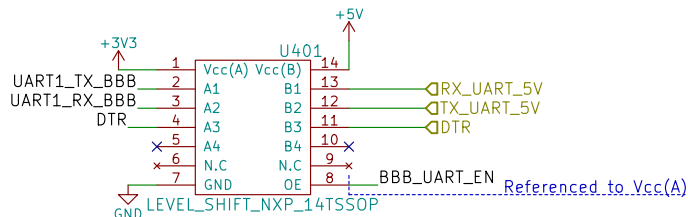
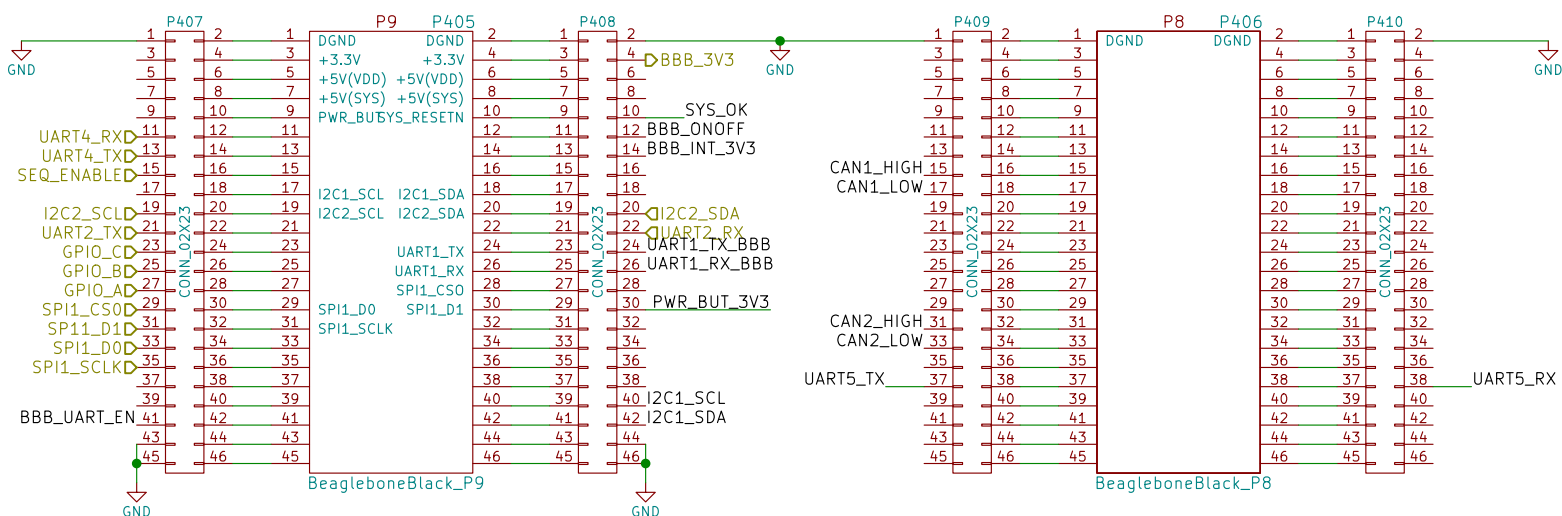
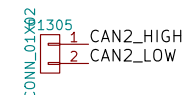
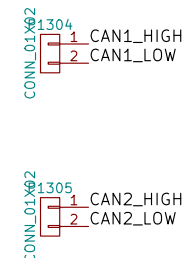
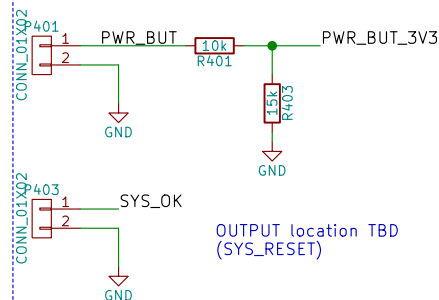
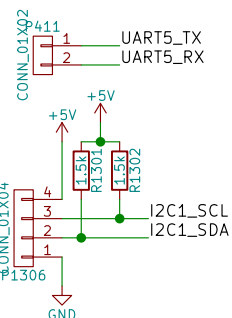
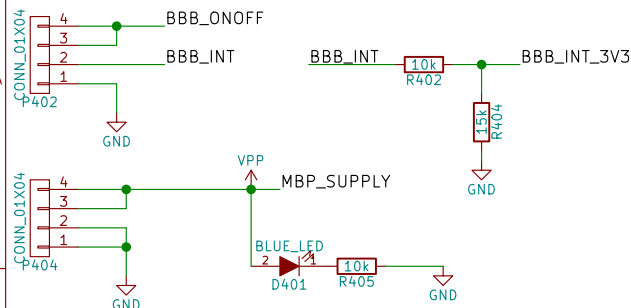
Size: A4 Date: 2017-07-31

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Rev: 2.1

Id: 12/14

Main power board connectors
NOTE: BBB_INT is 5V and BBB_ONOFF
is level shifted on MPB



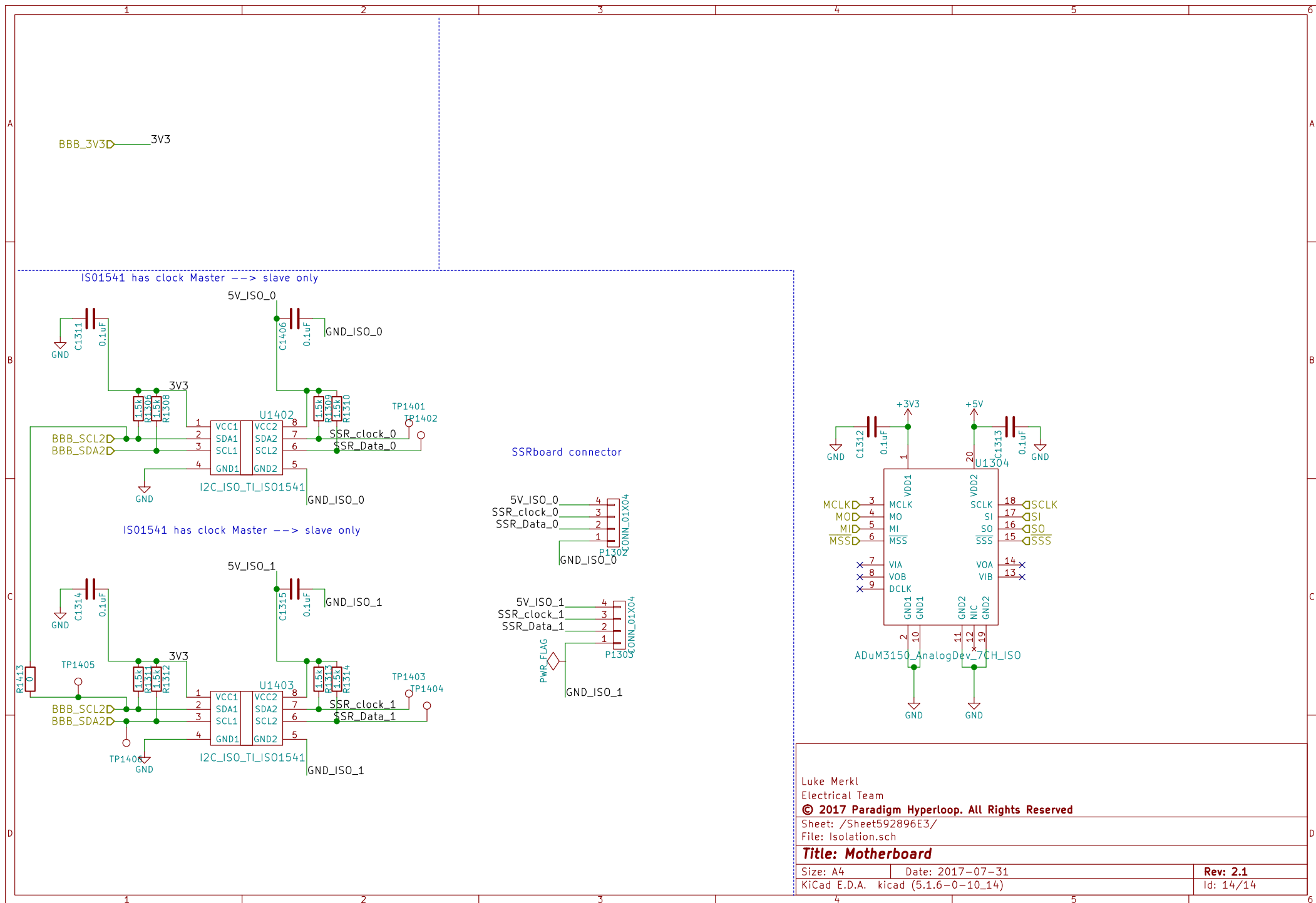
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Sheet: /Sheet592695A3/
File: Beaglebone_Black.sch

Title: Motherboard

Size: A4 Date: 2017-07-31
KiCad E.D.A. kicad (5.1.6-0-10_14)

Rev: 2.1
Id: 13/14



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Sheet: /Sheet592896E3/
File: Isolation.sch

Title: Motherboard

Size: A4 Date: 2017-07-31

KiCad E.D.A. kicad (5.1.6-0-10_14)

Rev: 2.1

Id: 14/14