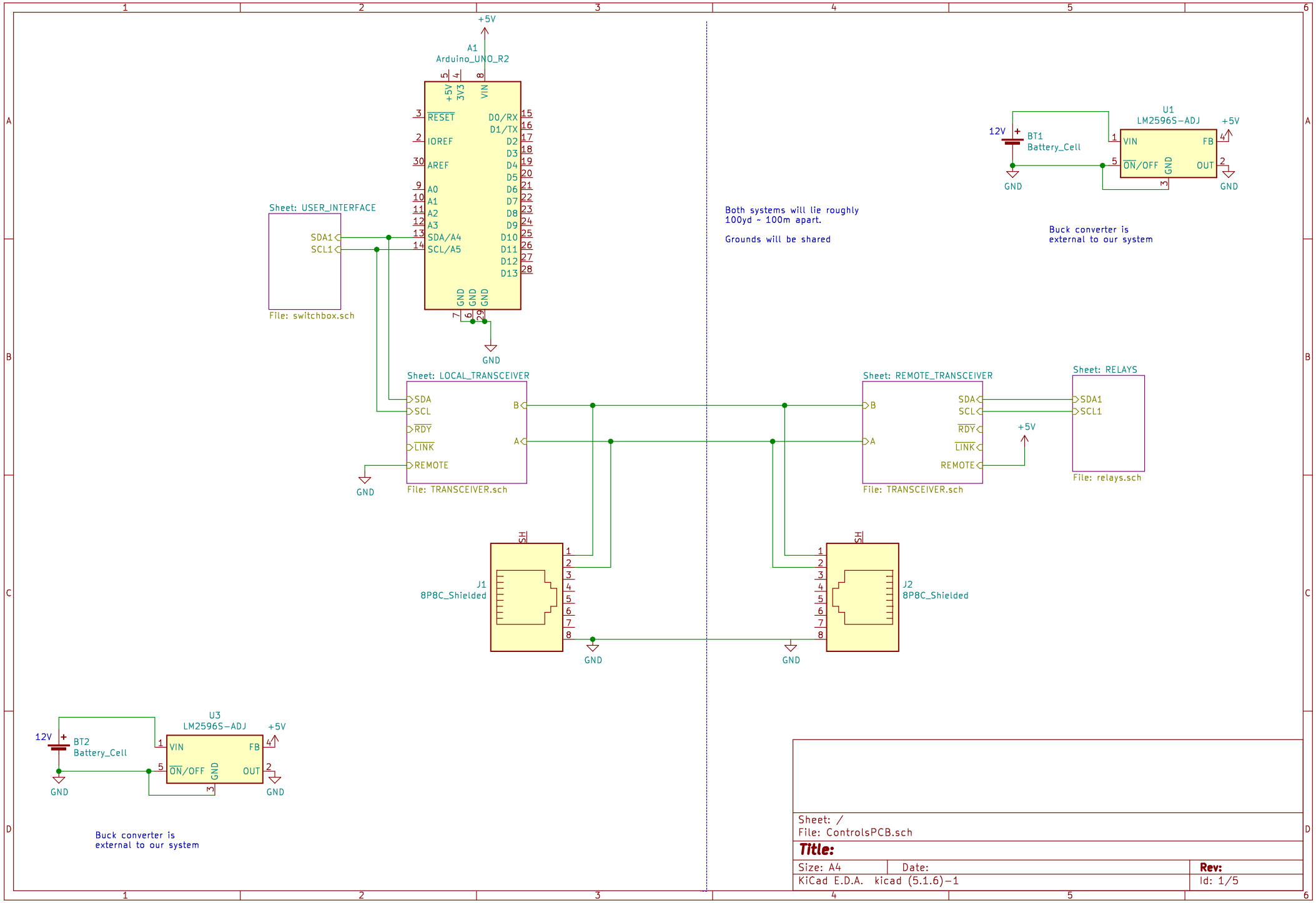

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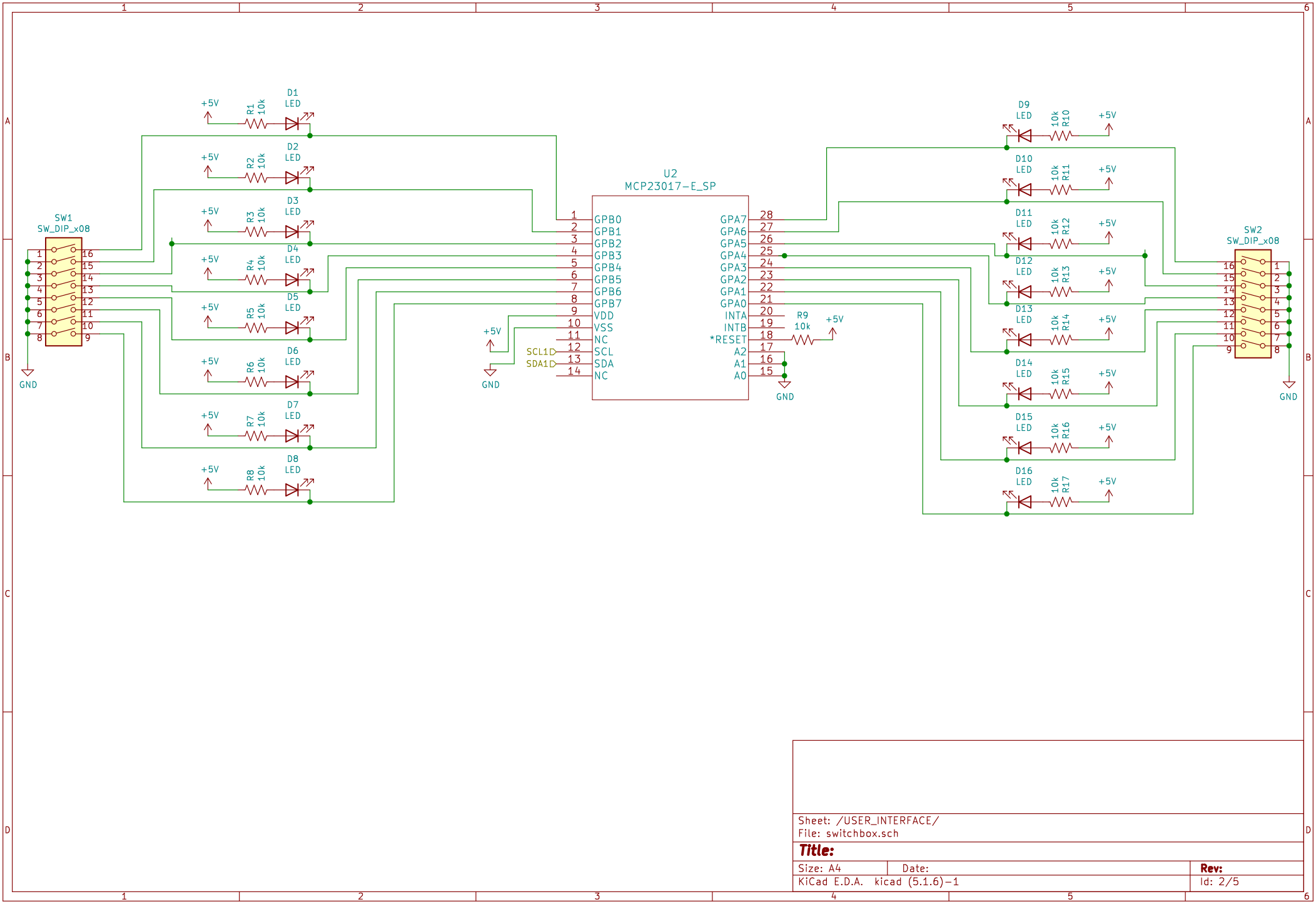
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6)-1		Id: 1/5



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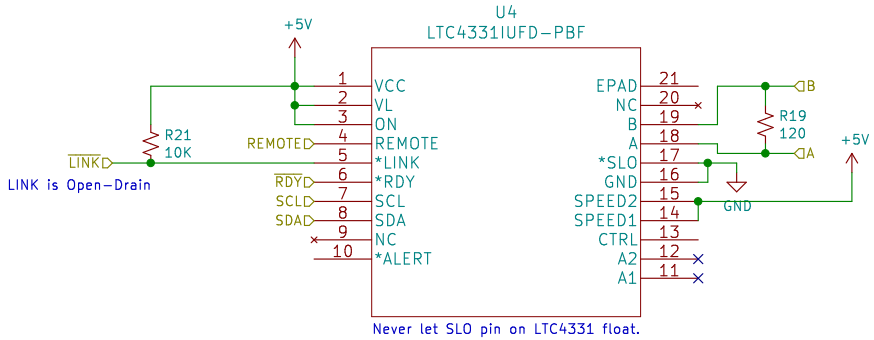
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6)-1		Id: 2/5

We are using this chip through
this dev board:

https://www.analog.com/en/design-center/evaluation-hardware-and-software/evaluation-boards-kits/dc2754a.html



The dev board we use has
termination resistors of 120 (RS485)

Our cables have impedance of 100 ohms (CAT-5)

We're cutting our data rate to as low as possible
to avoid ringing

Datasheet: https://www.analog.com/media/en/technical-documentation/data-sheets/LTC4331.pdf

Page 18 for SPEED pin settings (currently 12.5khz)

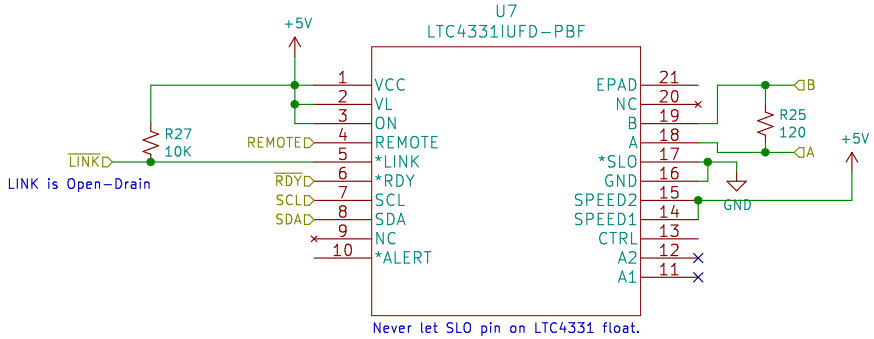
Sheet: /REMOTE_TRANSCEIVER/
File: TRANSCEIVER.sch

Title:

Size: A4 | Date: | **Rev:**
KiCad E.D.A. kicad (5.1.6)-1 | Id: 3/5

We are using this chip through
this dev board:

https://www.analog.com/en/design-center/evaluation-hardware-and-software/evaluation-boards-kits/dc2754a.html



The dev board we use has
termination resistors of 120 (RS485)

Our cables have impedance of 100 ohms (CAT-5)

We're cutting our data rate to as low as possible
to avoid ringing

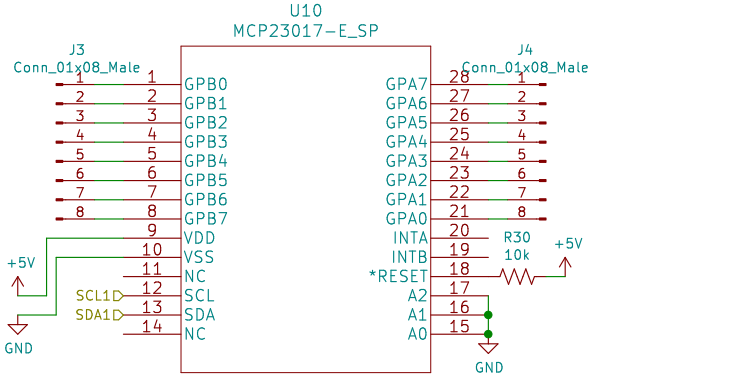
Datasheet: https://www.analog.com/media/en/technical-documentation/data-sheets/LTC4331.pdf

Page 18 for SPEED pin settings (currently 12.5khz)

Sheet: /LOCAL_TRANSCEIVER/
File: TRANSCEIVER.sch

Title:

Size: A4 | Date: | **Rev:**
KiCad E.D.A. kicad (5.1.6)-1 | Id: 4/5



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