

Sheet: /USER_INTERFACE/
File: switchbox.sch

Title:

Size: A4

Date:

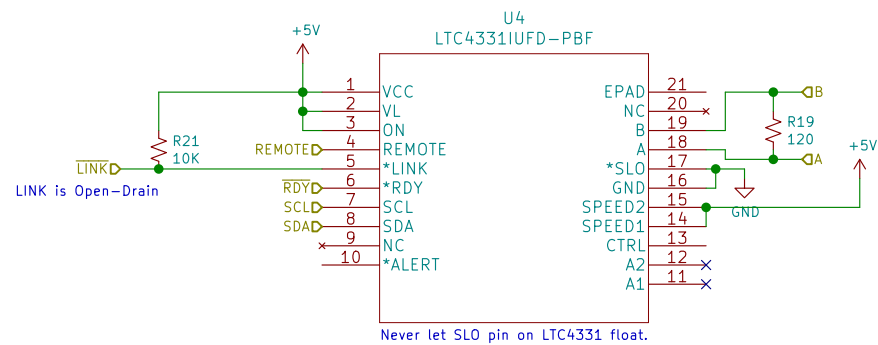
KiCad E.D.A. kicad (5.1.6)–1

Rev:

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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_TRANSCIEVER/
File: TRANSCIEVER.sch

Title:

Size: A4

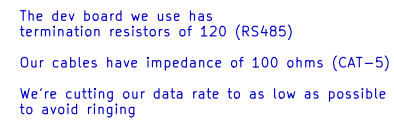
Date:

KiCad E.D.A. kicad (5.1.6)-1

Rev:

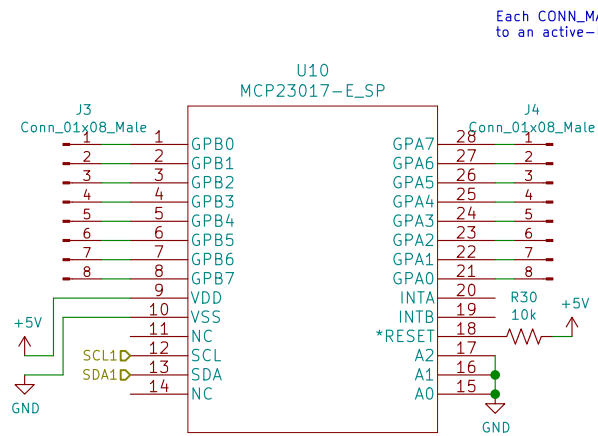
Id: 3/5

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



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:
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Sheet: /RELAYS/
File: relays.sch

Title:

Size: A4
KiCad E.D.A. kicad (5.1.6)-1

Date:

Rev:
Id: 5/5