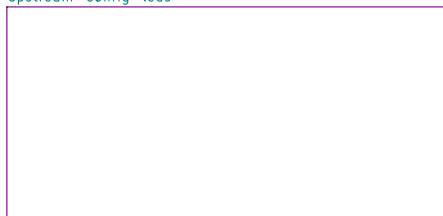


If you think this sheet is boring,
take it up with ANTTTO!

upstream-config-leds

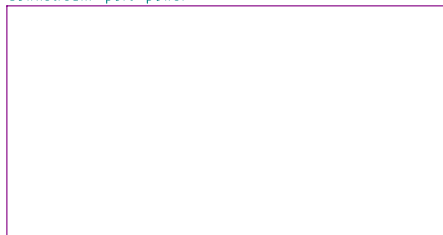


File: upstream-config-leds.sch

Feeling uppitty, into configuration
and the world at large?



downstream-port-power



File: downstream-port-power.sch

Feeling down, feeling like power
switching and chunks of metal?

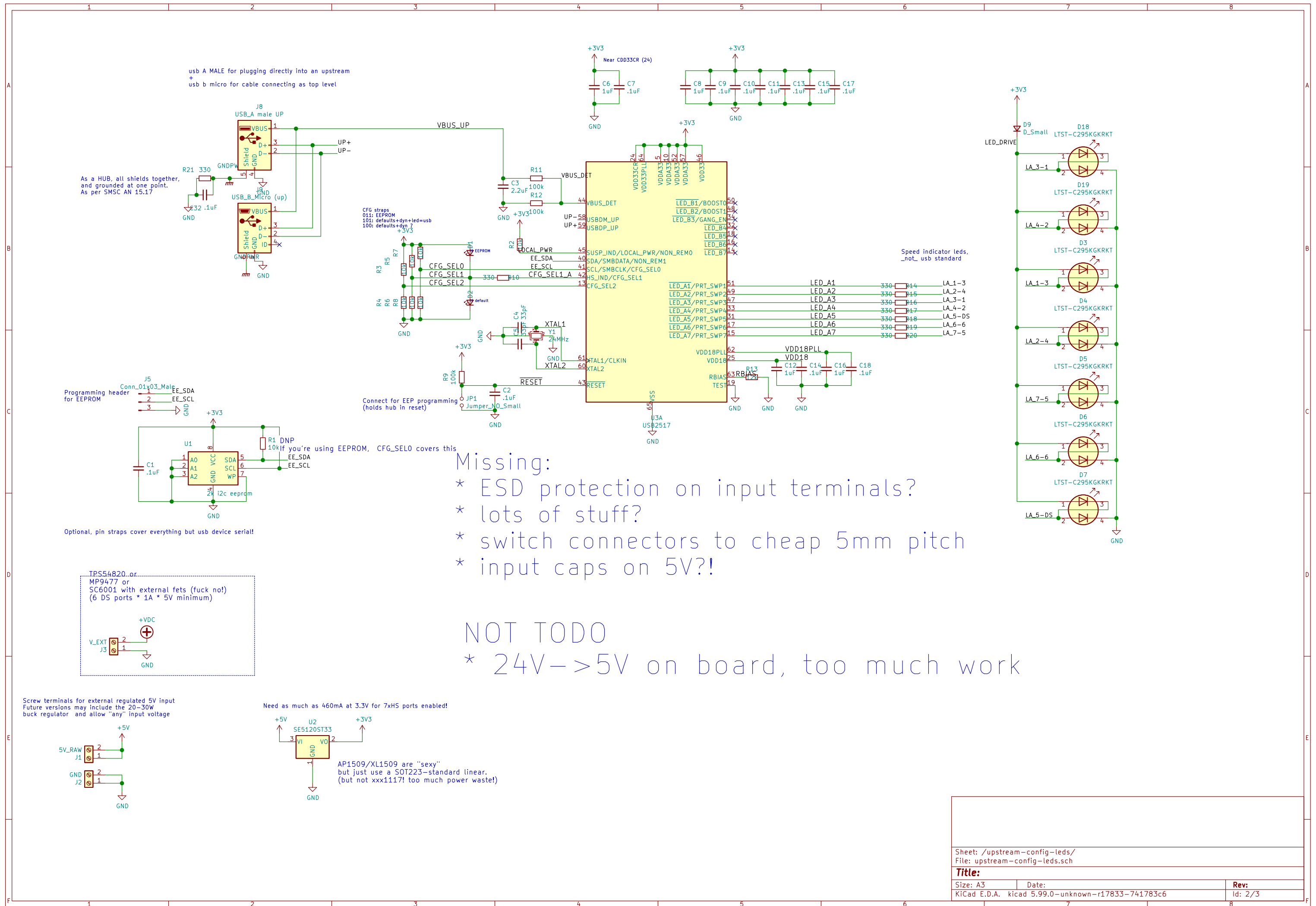
one up, one down
three double ports for discos w/ user usb
intended for controlling libopencm3 regression test boards

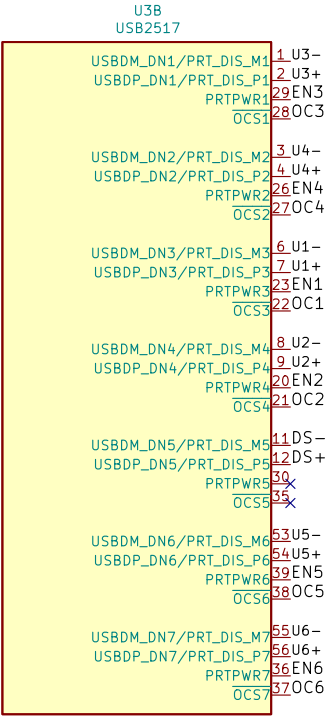
Sheet: /
File: usb-test-harness.sch

Title: Cascading per port controllable USB hub

Size: A4 Date: 2019-12-03
KiCad E.D.A. kicad 5.99.0-unknown-r17833-741783c6

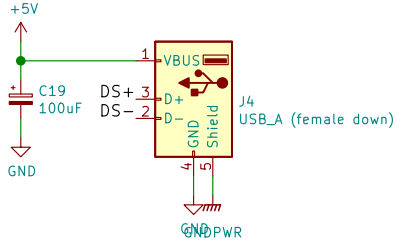
Rev:
Id: 1/3





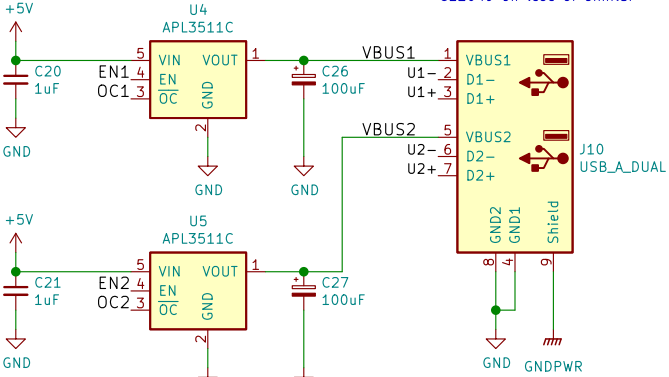
Unfortunately, port numbering won't make much sense.

Downstream port for cascading to another hub

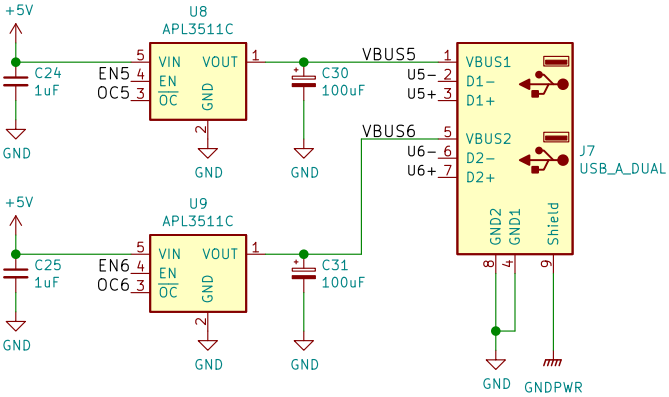
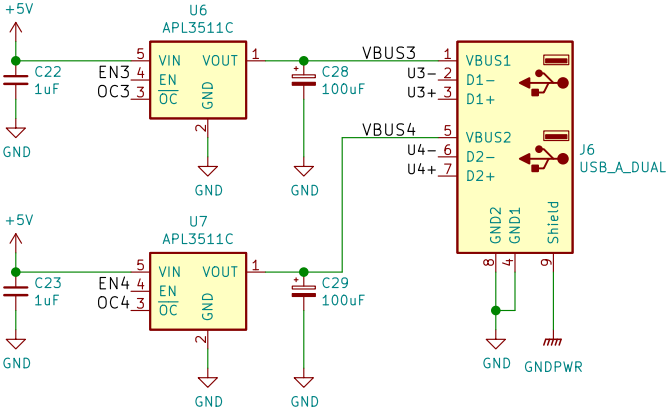


APL3511C is 1A, if you want more power, APL3511A is 2A limited

Each pair a Double stack USB port
C12049 on lcsc or similar



usb 2.0 7.2.4 (inrush limiting)
says ds facing hub ports to provide 120uF minimum.
can get 220uF cheap in a slightly bigger footprint
if really desired but fuck that, yolo
apl3511 app note is 100nF + 150uF



NUP4202 or USBLC6-4xx or ??



Sheet: /downstream-port-power/
File: downstream-port-power.sch

Title:

Size: A3

Date:

Rev:

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Id: 3/3