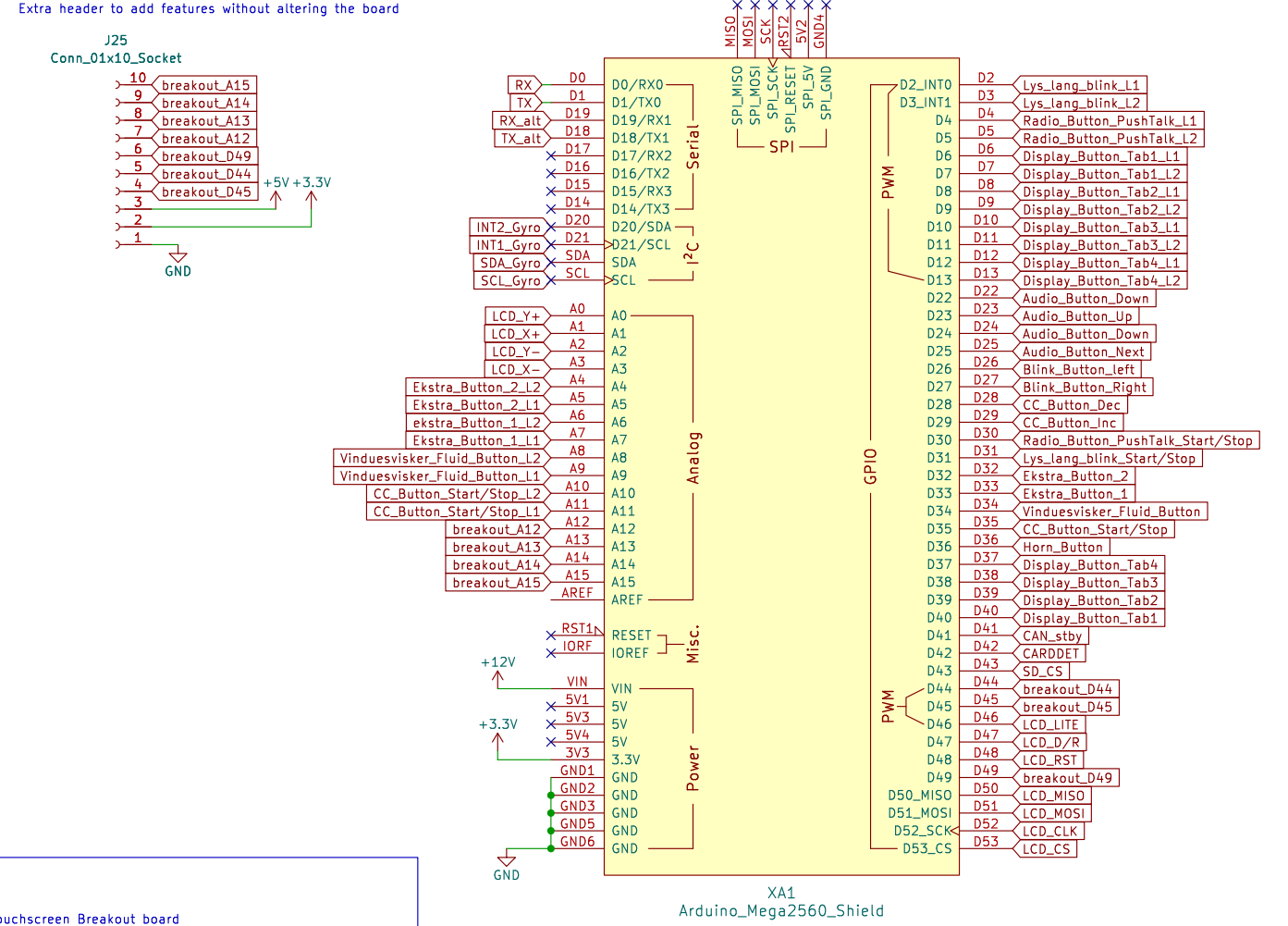


Notes:

Do we need pullup on ic2 lines?

more breakouts?

Arduino Mega has to stick out over pcb edge, else the usb b connector will collide with pcb



Push Buttons, with 10k pull down resistors.

All Buttons support 2 LEDs with a 330 ohm resistor in series, except Horn

An n-channel mosfet is used to switch the power to the led

Not all buttons will use LEDs, but it is supported

LED current 15mA

5v / 15mA = 333ohm

Max LED current

10(Buttons) \* 2(LEDs) \* 15mA = 300mA

This is how to push buttons with RGB LEDs are wired

