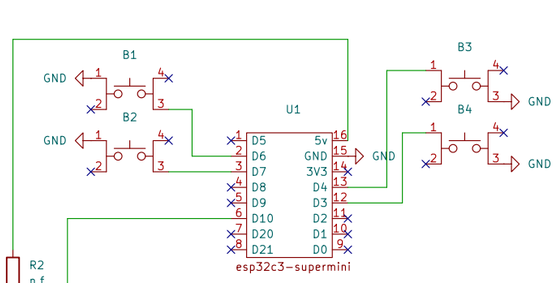


===== NOTE =====

This Do-It-Yourself project comes without any guarantee whatsoever.

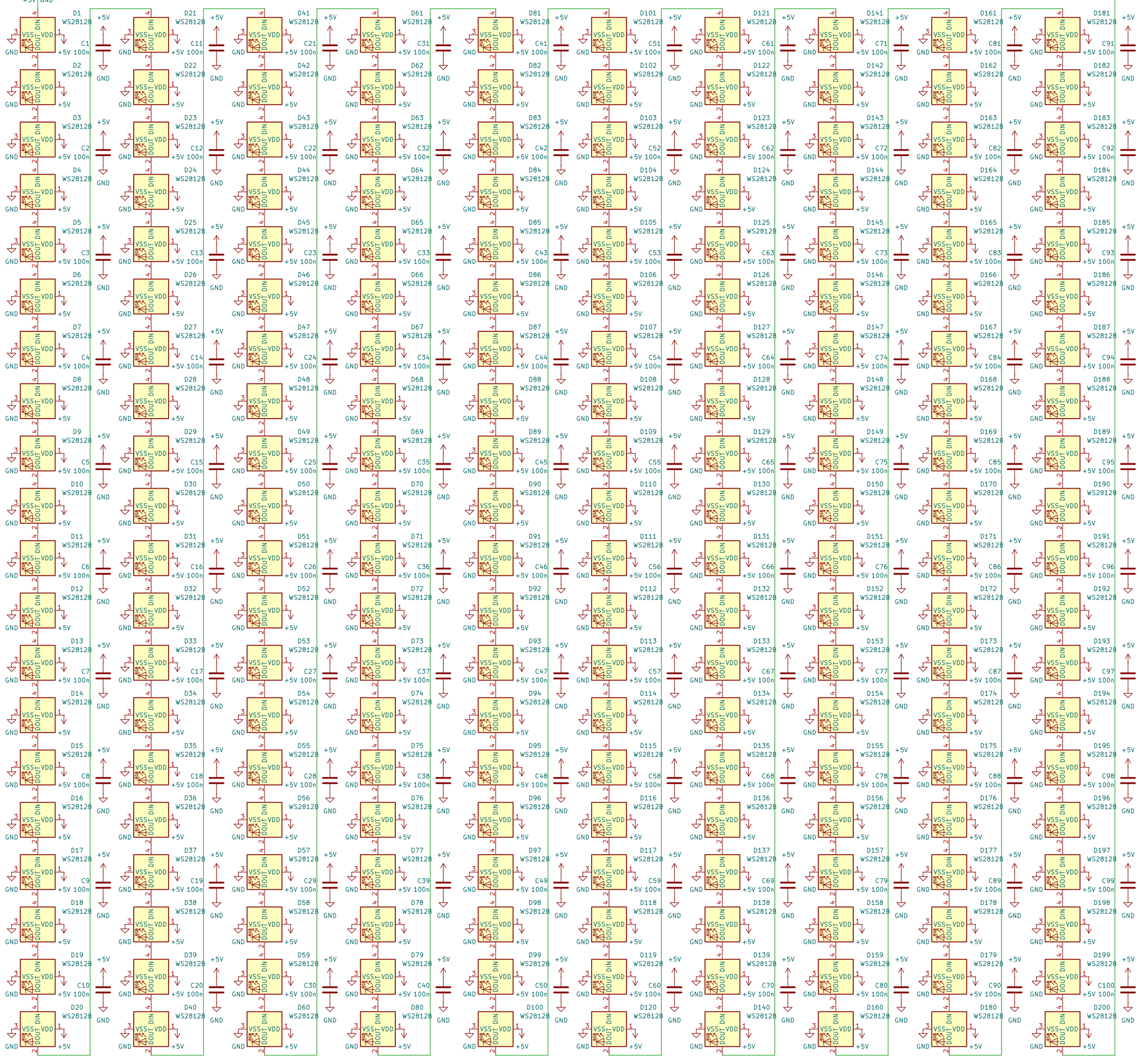
5V Power should always be supplied to the LED portion DIRECTLY, NOT via the USB connector on the ESP32-C3 module.

It is, however, possible to supply the ESP32-C3 from the LED portion power supply by fitting a 0 Ohm resistor to R2. R2 should ONLY be fitted if you want to power the ESP32-C3 from the power supply connected to the LED portion, and it is then recommended to completely disconnect the USB cable and remove the USB connector from the ESP32-C3 module to prevent accidentally drawing power for the LED portion through the USB cable connected to the ESP32-C3 module.

Attempting to supply power through the USB connecter to the ESP32-C3 AND the LED portion may lead to damage to the ESP32-C3 module AND/OR to the USB power source. The LED portion alone can draw in excess of 1.5 A, and the ESP32-C3 module PCB traces and components are NOT rated for this. The LED portion does NOT properly negotiate its power draw with the power source by itself, and while the ESP32-C3 might be able to take on this task, there is no guarantee (given that users can run their own code on the ESP32-C3) that it will.

TL;DR: Do not fit R2 unless you know what you are doing and willing to bear any and all consequences.

J2
Conn_01x03_Pin
GND +5V



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File: LEDboard2010.kicad_sch

Title: 10x20_LED_screen

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