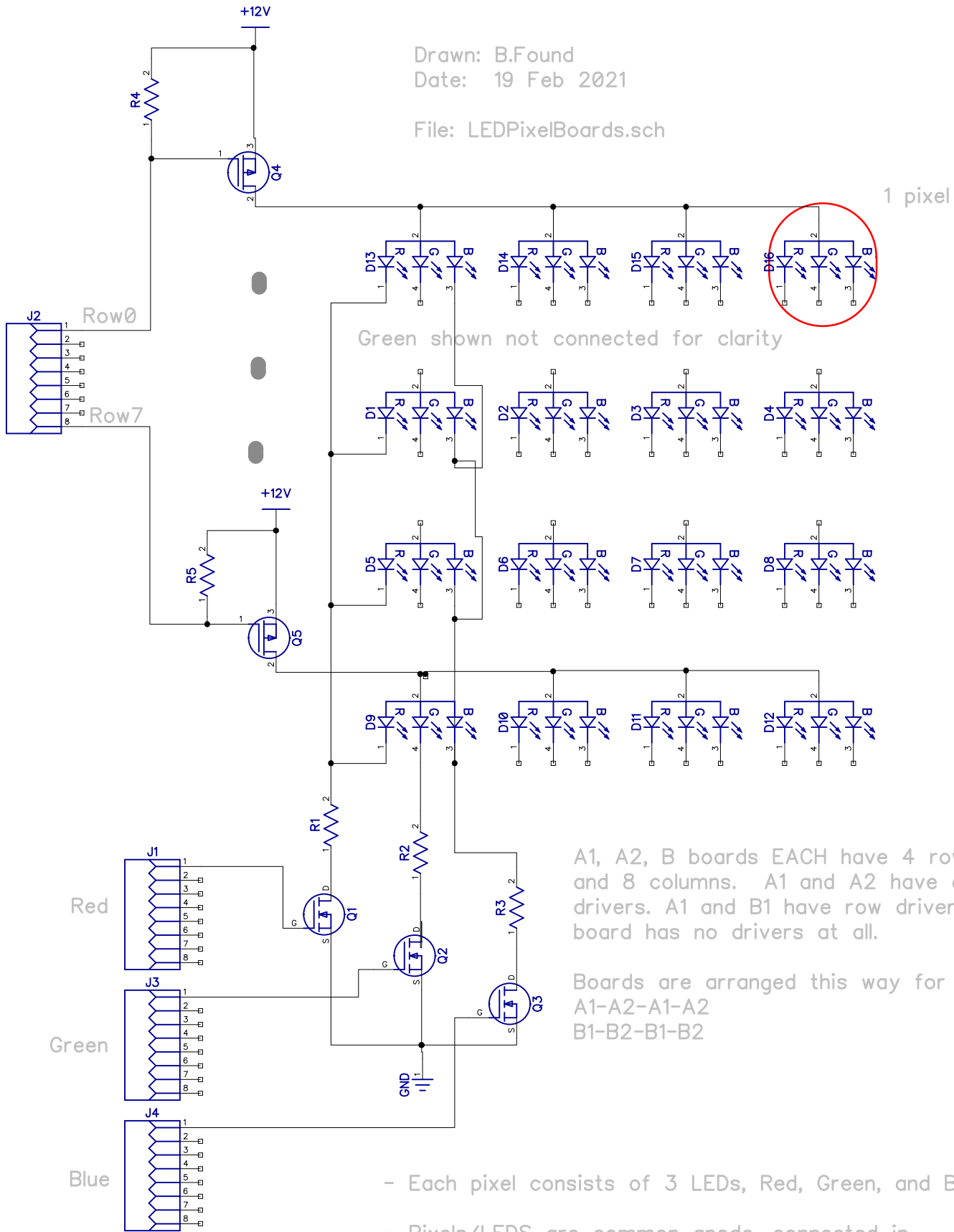


LED PIXEL Boards, typical of A1, A2, B boards for FE Matrix

Drawn: B.Found
Date: 19 Feb 2021

File: LEDPixelBoards.sch



Green shown not connected for clarity

A1, A2, B boards EACH have 4 rows and 8 columns. A1 and A2 have column drivers. A1 and B1 have row drivers. B2 board has no drivers at all.

Boards are arranged this way for 8x32 matrix
A1-A2-A1-A2
B1-B2-B1-B2

- Each pixel consists of 3 LEDs, Red, Green, and Blue
- Pixels/LEDs are common anode, connected in rows, driven by P-channel MOSFET FQU11P06
- Columns (32 x R,G,B=96) are current sink using N-channel MOSFET 2N60