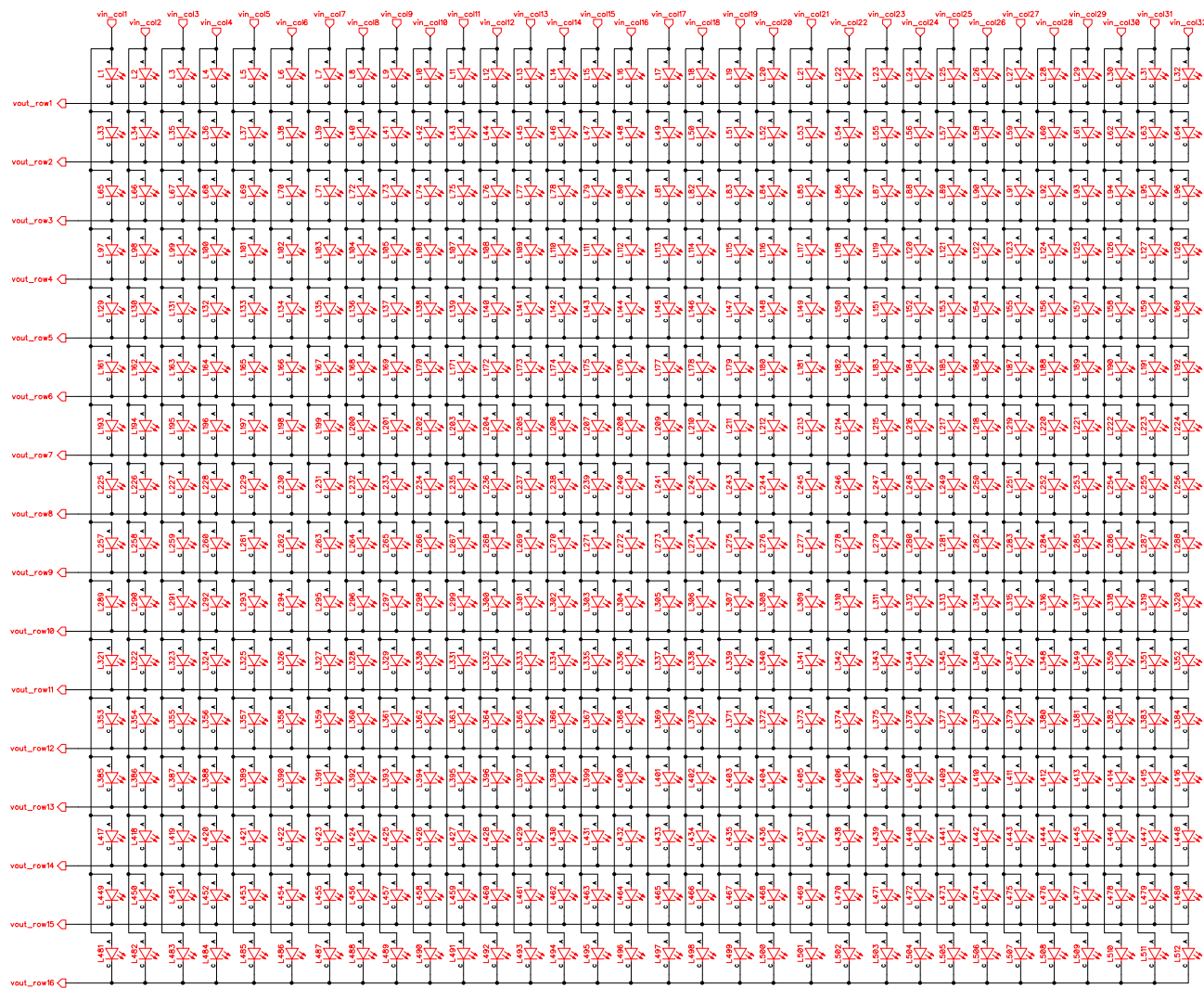
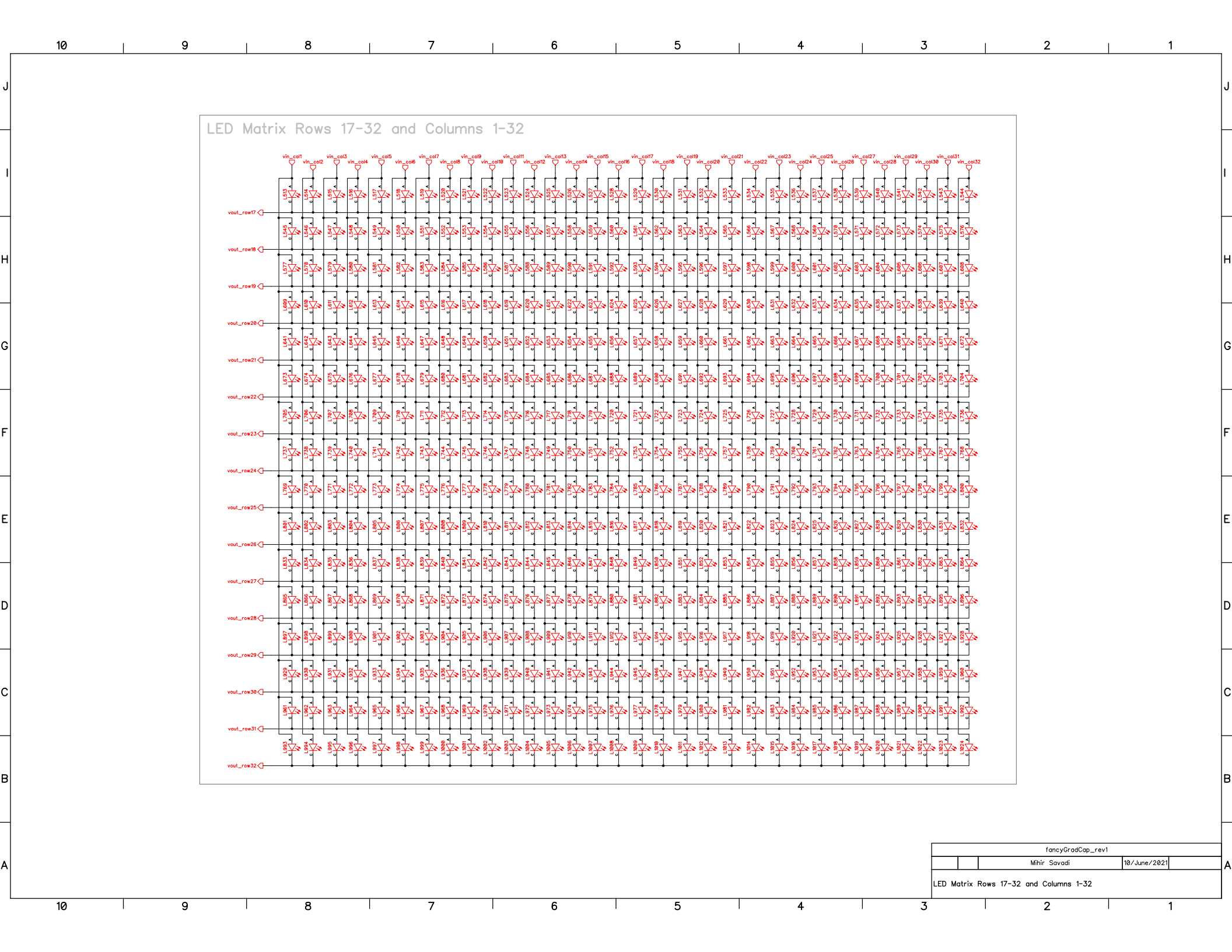
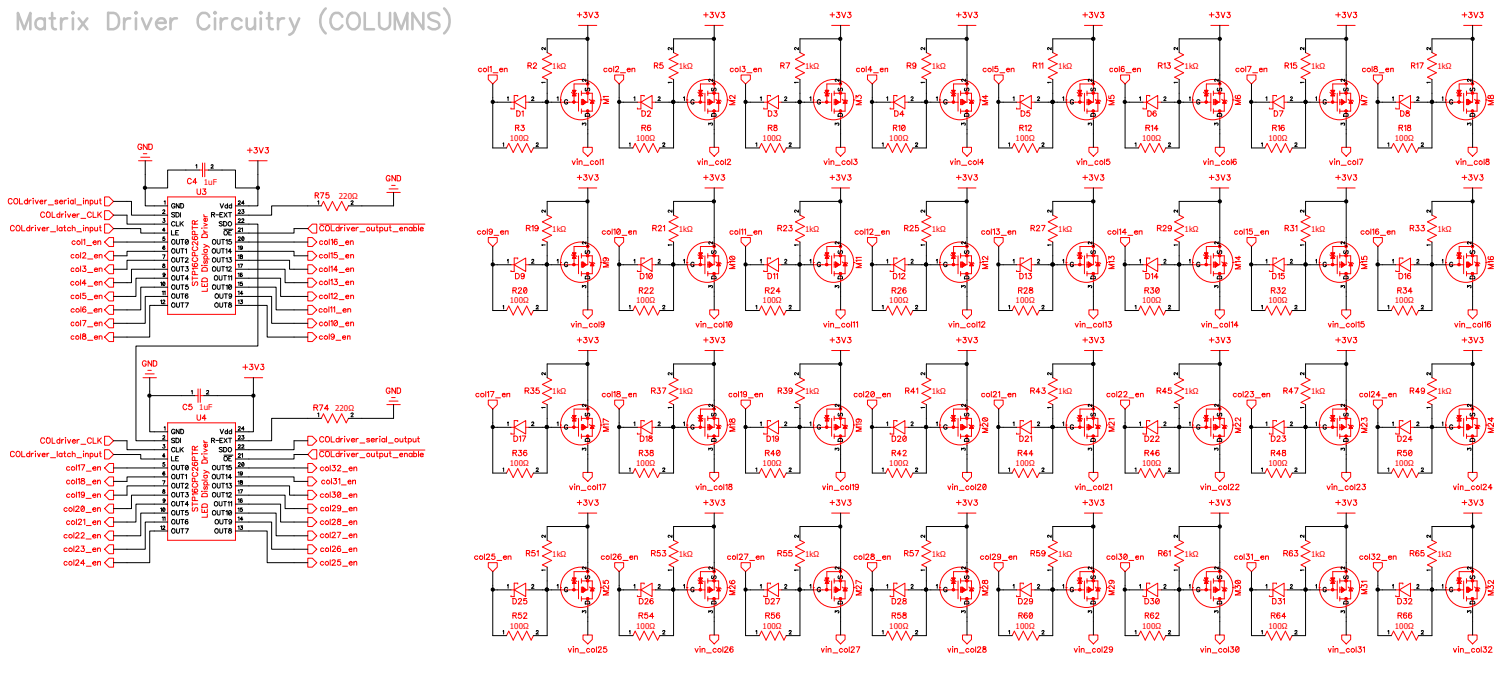


LED Matrix Rows 1-16 and Columns 1-32

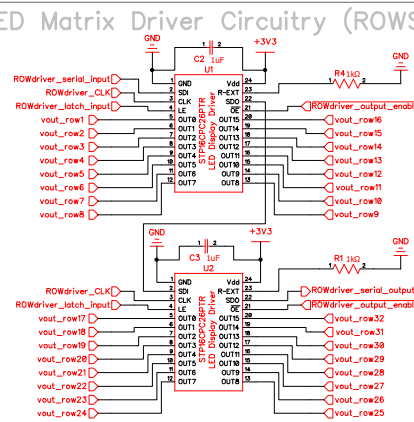




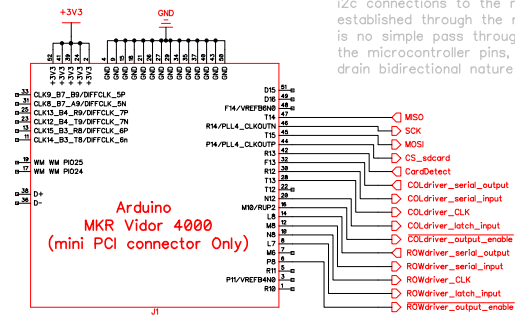
## LED Matrix Driver Circuitry (COLUMNS)



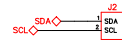
## LED Matrix Driver Circuitry (ROWS)



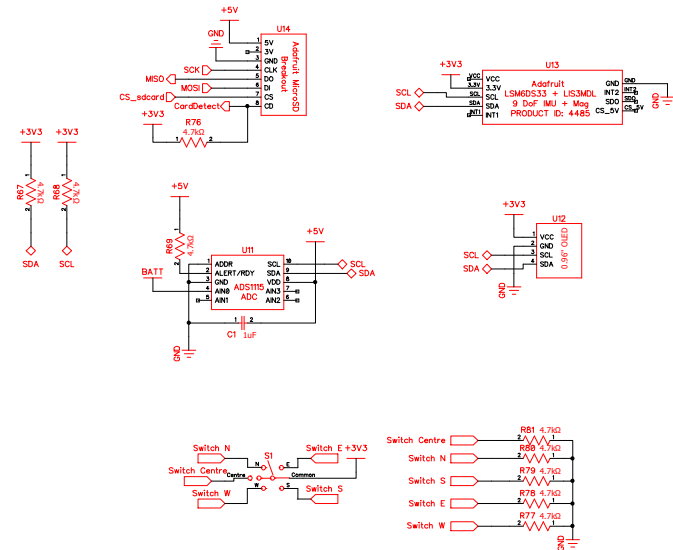
## FPGA &amp; Microcontroller



This is a separate throughhole to connect directly to the MKS Vidor 4000's i2c port (located top right of board observing from topside, with USB facing north). i2c connections to the microcontroller are not established through the mini PCI connector because there is no simple pass through solution through the FPGA to the microcontroller pins, because of the master-slave open drain bidirectional nature of the SDA and SCL pins.



## Peripherals



## Power

