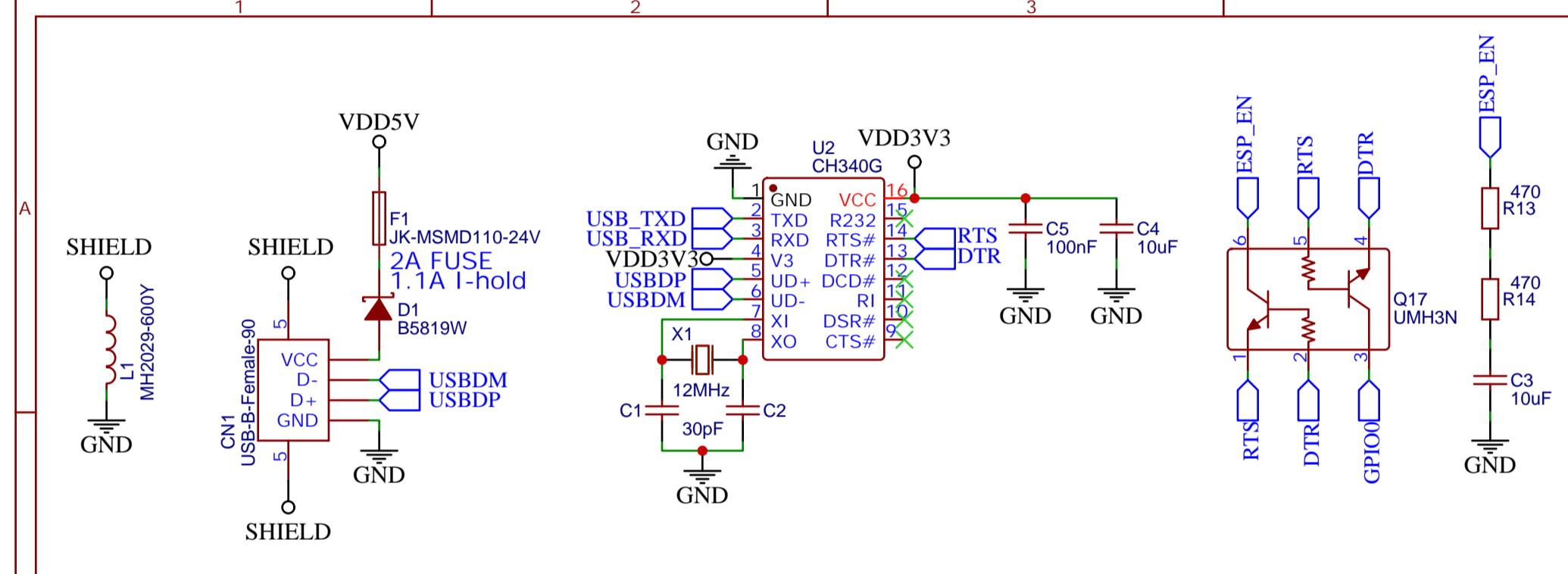
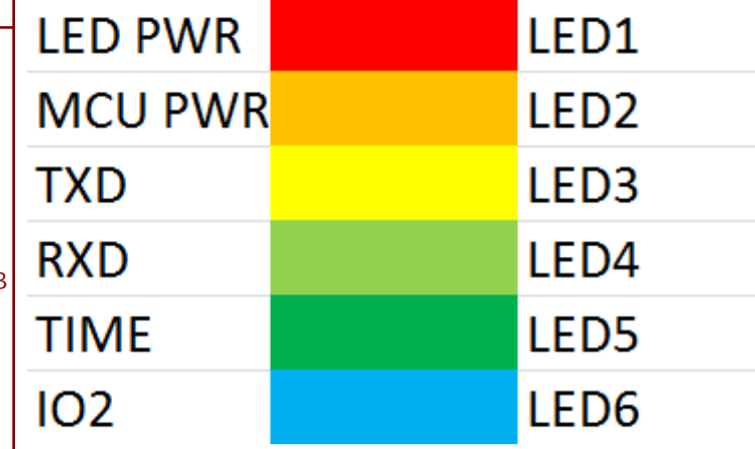
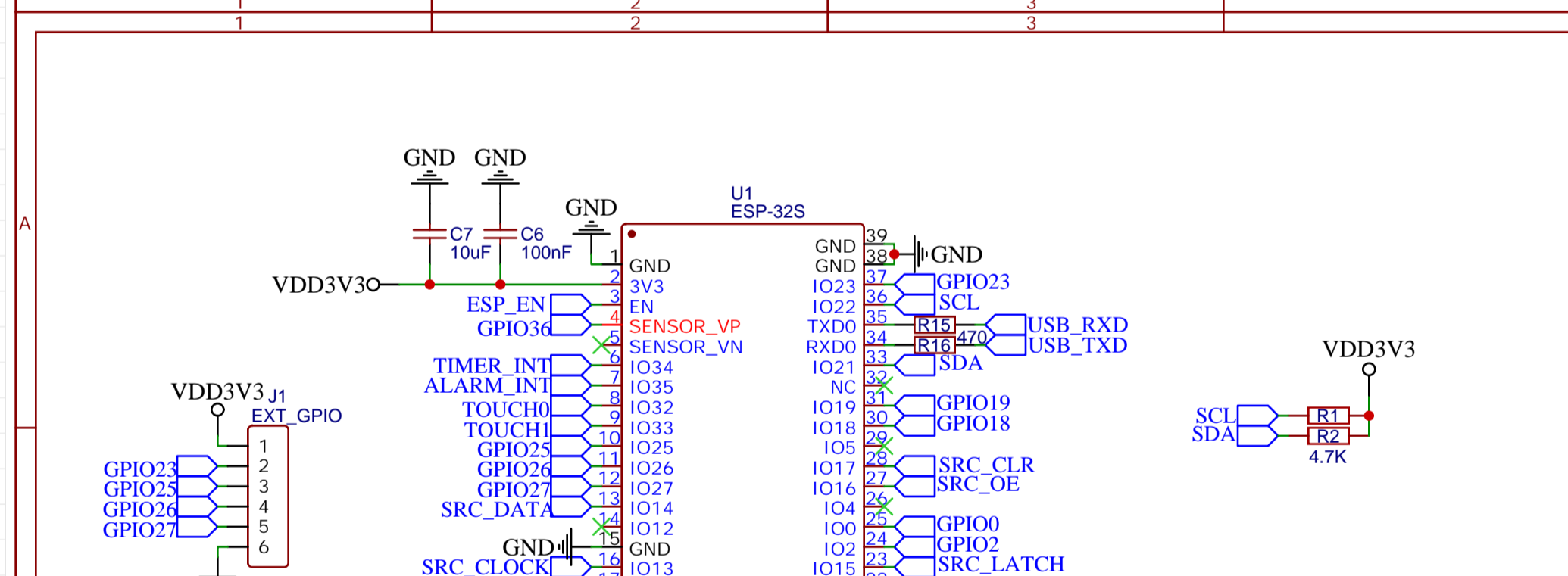


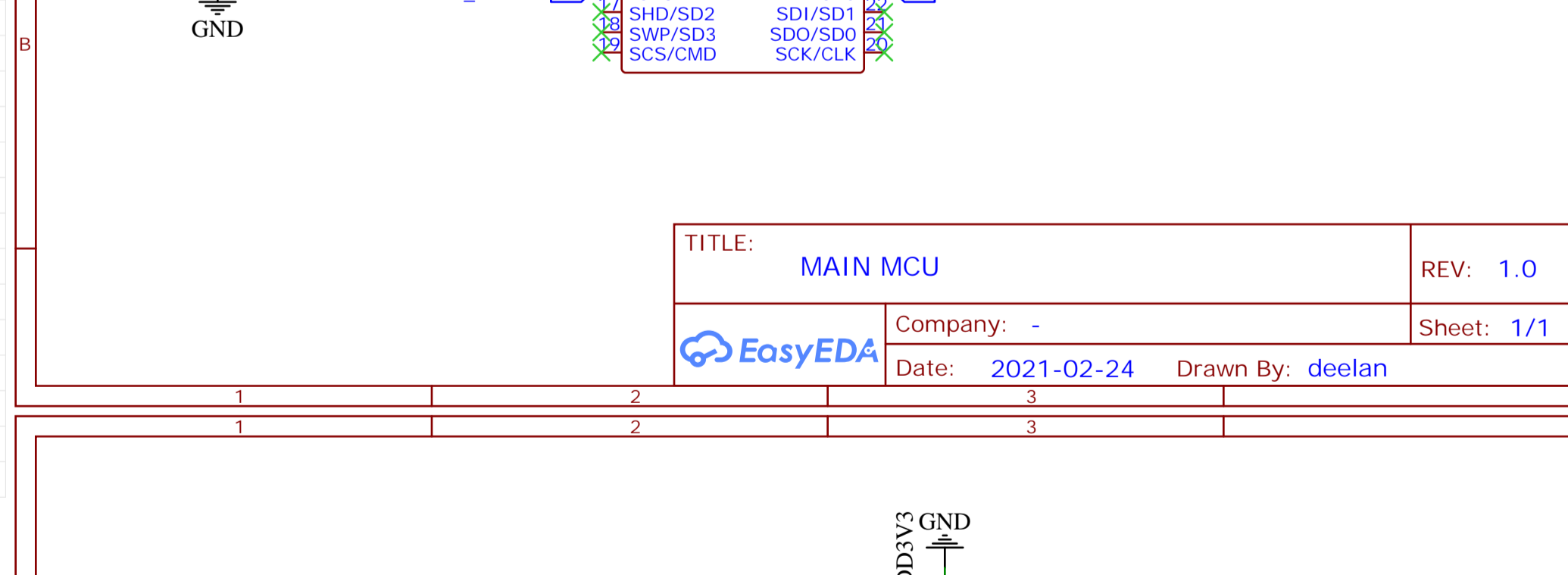
TITLE: USER LEDs AND BUTTONS
 REV: 1.0
 EasyEDA Company: -
 Date: 2021-02-24 Drawn By: deelan
 Sheet: 1/1



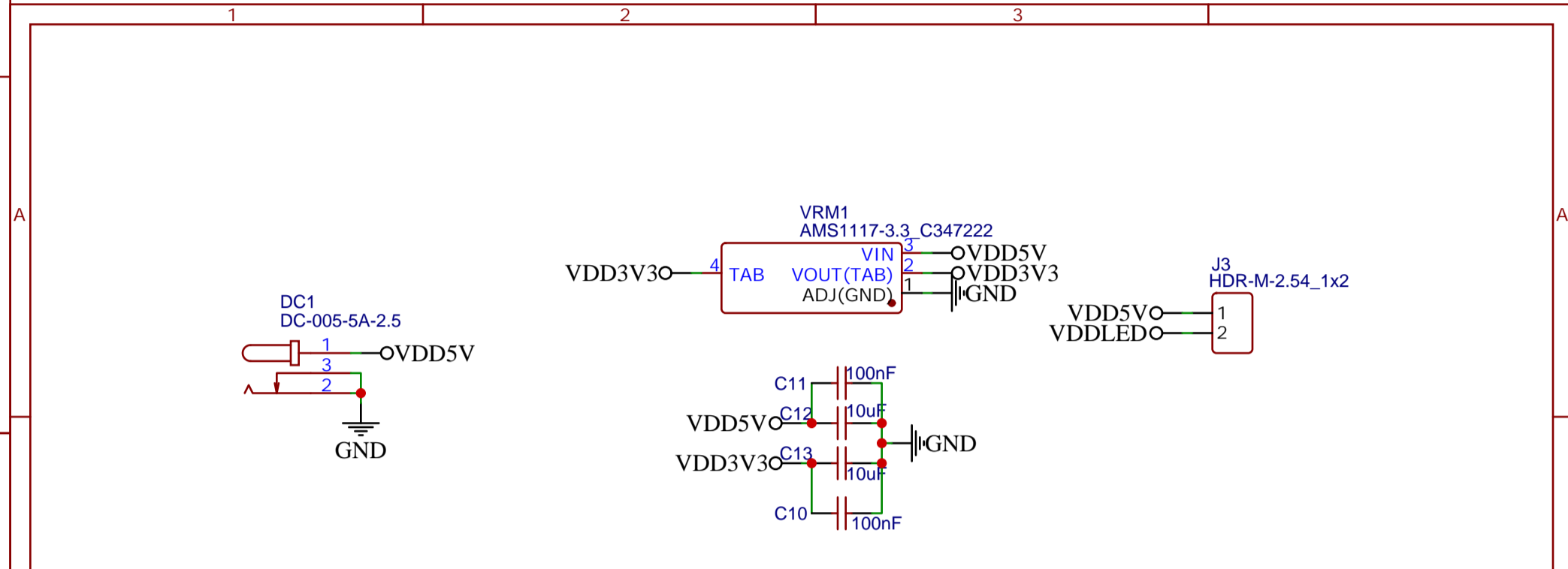
TITLE: SERIAL INTERFACE
 REV: 1.0
 EasyEDA Company: -
 Date: 2021-02-24 Drawn By: deelan
 Sheet: 1/1



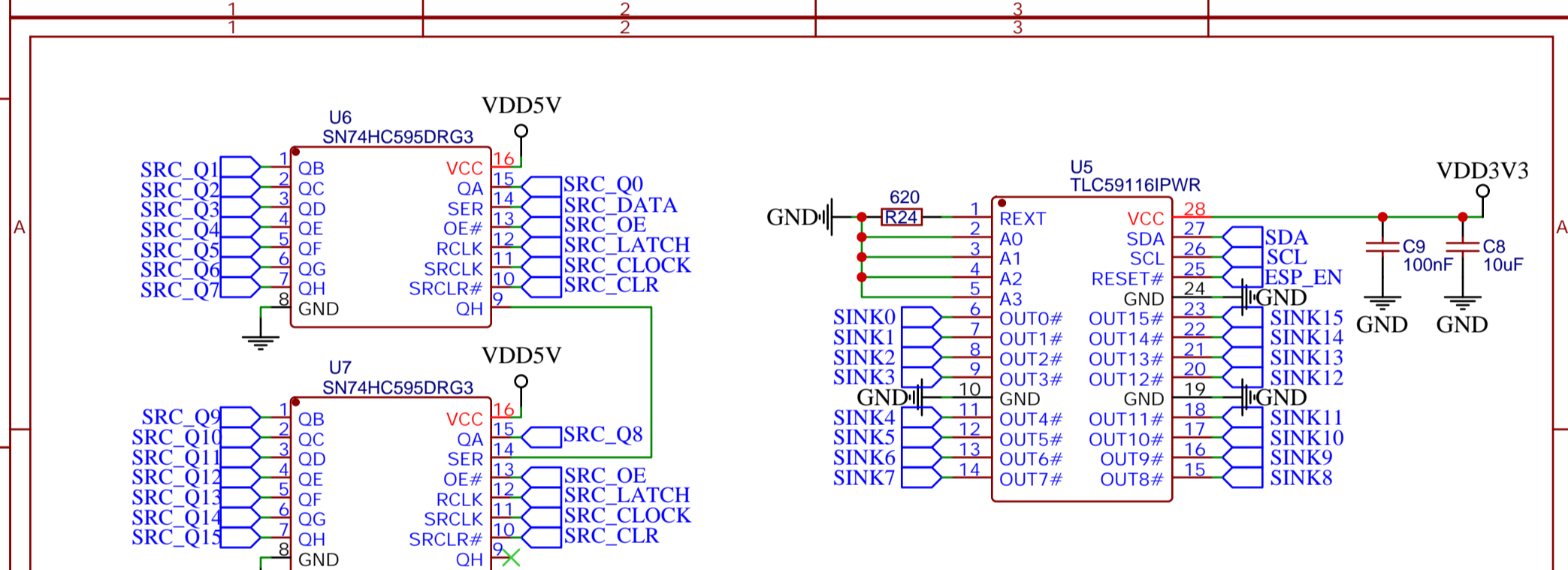
TITLE: MAIN MCU
 REV: 1.0
 EasyEDA Company: -
 Date: 2021-02-24 Drawn By: deelan
 Sheet: 1/1



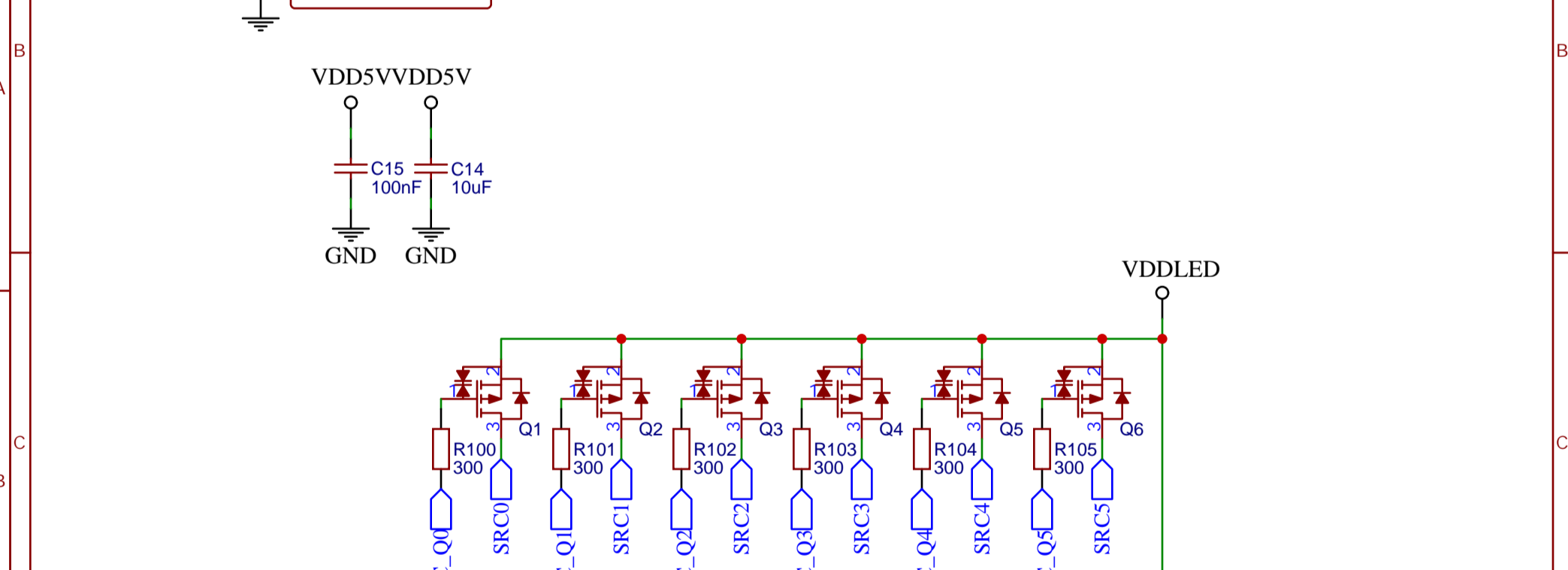
TITLE: RTC
 REV: 1.0
 EasyEDA Company: -
 Date: 2021-02-24 Drawn By: deelan
 Sheet: 1/1



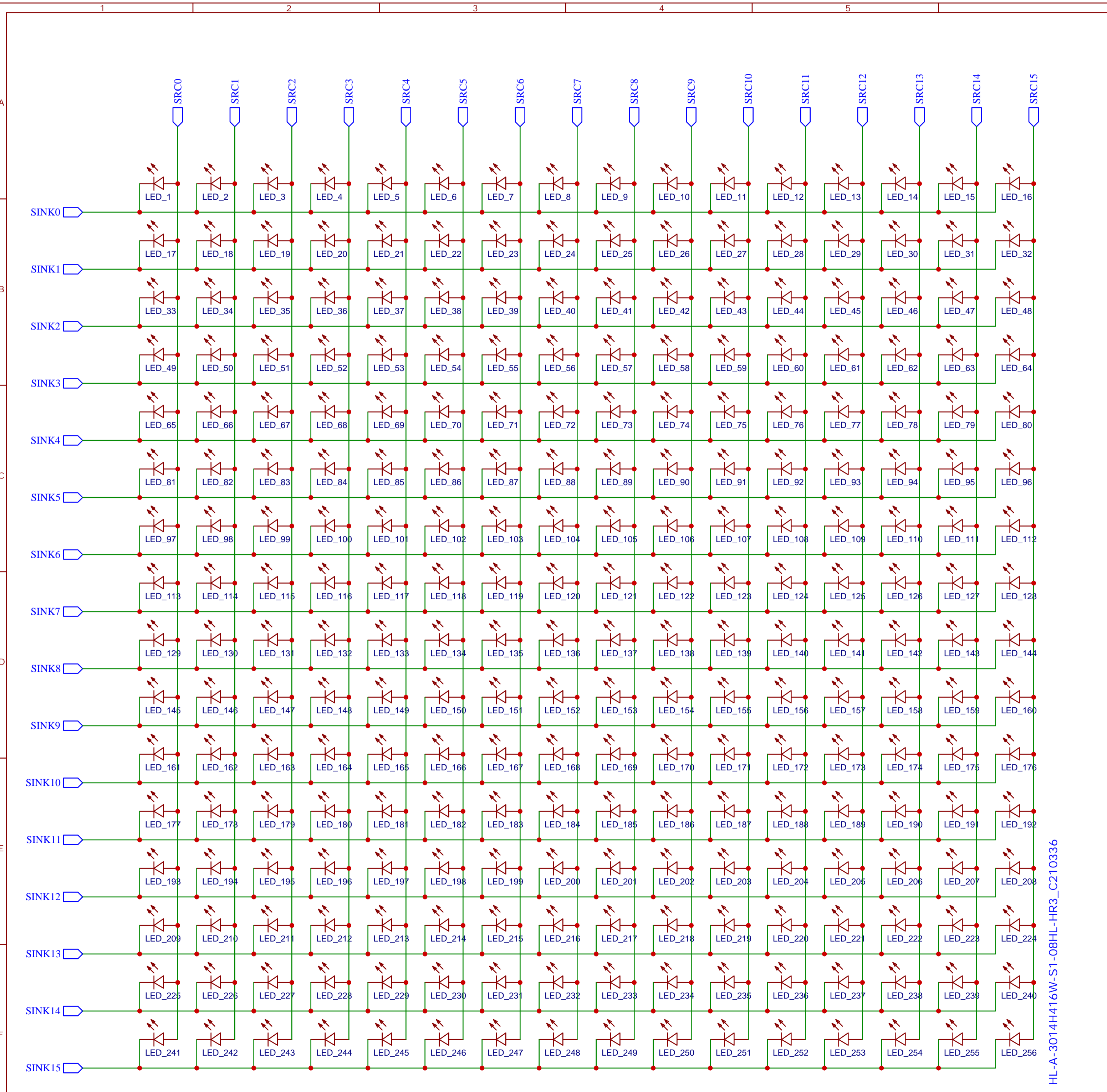
TITLE: POWER REGULATOR
 REV: 1.0
 EasyEDA Company: -
 Date: 2021-02-24 Drawn By: deelan
 Sheet: 1/1



TITLE: MATRIX DRIVERS
 REV: 1.0
 EasyEDA Company: -
 Date: 2021-02-24 Drawn By: deelan
 Sheet: 1/1



TITLE: MATRIX DRIVERS
 REV: 1.0
 EasyEDA Company: -
 Date: 2021-02-24 Drawn By: deelan
 Sheet: 1/1



TITLE: LED MATRIX
 REV: 1.0
 EasyEDA Company: -
 Date: 2021-02-24 Drawn By: deelan
 Sheet: 1/1

GPIO	Input	Output	Notes
0		pushed up	outputs PWM signal at boot
1	TX pin	OK	debug output at boot
2		OK	connected to on-board LED
3		OK	HIGH at boot
4		OK	
5		OK	outputs PWM signal at boot
6			connected to the integrated SPI flash
7			connected to the integrated SPI flash
8			connected to the integrated SPI flash
9			connected to the integrated SPI flash
10			connected to the integrated SPI flash
11			connected to the integrated SPI flash
12			boot fail if pulled high
13			outputs PWM signal at boot
14			outputs PWM signal at boot
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			input only
35			input only
36			input only
37			
38			
39			input only

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