

Subject :

Date :

Time :

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Section: A

To design the lights we need to use ~~9x8 dot Matrix~~ WS2812B RGB LED strip. This can be cut into our

required size.

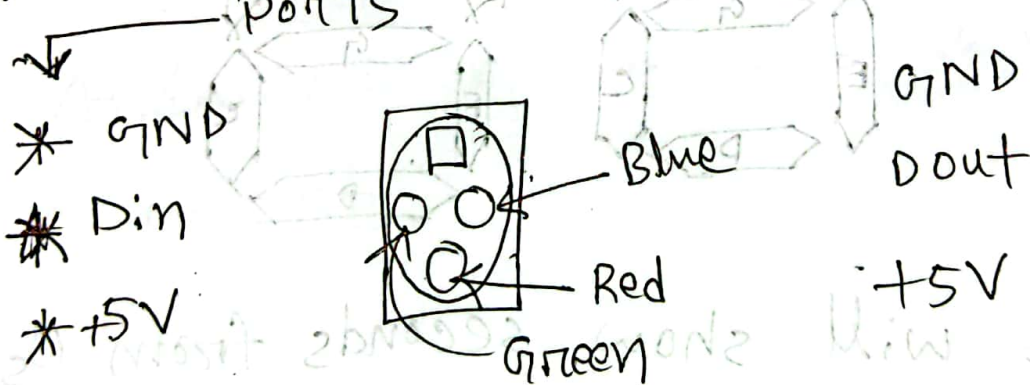
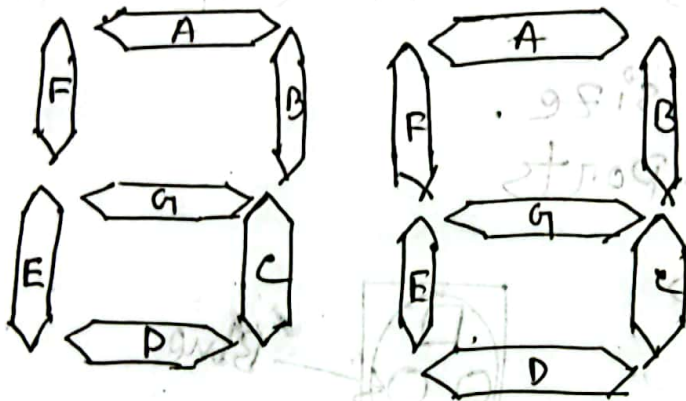


Fig: LED strip

Now we need to show the waiting time in numbers using a 7 segment display. 7 segment display can show 0-9 numbers, we want to show the time in seconds. so we need 2, 7 segment display.



This will show seconds from 0s-59s. ABCDEFG will connect to Arduino board points, and will show the corresponding number.

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So, the hardware components will be:

1. LED strip
2. 27-segment display X 2
3. MOSFET

Procedure:

1. connect the display ~~using~~ to arduino using (a-g) pins to digital pins.
2. connect each LED strip to the ~~Arduino~~ Arduino using mosfets to control higher currents.
3. code:

~~Turn~~ Loop:

1. On green and turn off rest
2. On blue and turn off rest
3. On red and turn off rest

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4. We have to test system.
5. Mounting and installation of the system.