Time mentioned is in milliseconds

Table -1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | LED 3 | LED 4 | LED 5 | LED 6 |
| R1 | 500 | 1000 | 1500 | 2000 |
| R2 | 2000 | 1500 | 1000 | 500 |
| R3 | 100 | 200 | 300 | 400 |
| R4 | 400 | 300 | 200 | 100 |
| R5 | 20 | 40 | 60 | 80 |
| R6 | 80 | 60 | 40 | 20 |

R1, R2, R3, R4, R5 and R6 are set of leds blinking rates.

Table - 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | CONFIG - 1 | CONFIG - 2 | CONFIG - 3 | CONFIG - 4 |
| SW3 | R1 | R2 | R3 | R4 |
| SW4 | R4 | R3 | R2 | R1 |

Table - 3

|  |  |  |
| --- | --- | --- |
|  | SW7 | SW8 |
| C1 | HIGH | HIGH |
| C2 | LOW | LOW |
| C3 | HIGH | LOW |
| C4 | LOW | HIGH; |

If C1 is the state then switch configs should behave as CONFIG - 1, CONFIG - 2

To switch from CONFIG - 1 TO CONFIG - 2 button should be held for 3 seconds

If C2 is the state then switch configs should behave as CONFIG - 3, CONFIG - 4

To switch from CONFIG - 3 TO CONFIG - 4 button should be held for 3 seconds

If C3 is the state then Table 2 switches should be disabled and R5 should be the state of LEDS

If C4 is the state then Table 2 switches should be disabled and R6 should be the state of LEDS