

Hardware Assignment Documentation

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EE22BTECH11215

Description

7-segment displays provide a convenient way of displaying numerical information from zero to nine as they basically consist of a load of light emitting diodes connected together within a single indicator package. The circuit uses 5V from Micro USB and this is Vcc for the circuit.

Components Used

1. Breadboard
2. Seven Segment Display - Common Anode
3. 7447 Decoder
4. 7474 Flip Flops
5. 7486 X-OR gate
6. 555 IC
7. Resistor $10M\Omega$
8. Resistor $1K\Omega$
9. Capacitor $100nF$
10. Capacitor $100nF$
11. Jumper wires
12. Micro USB

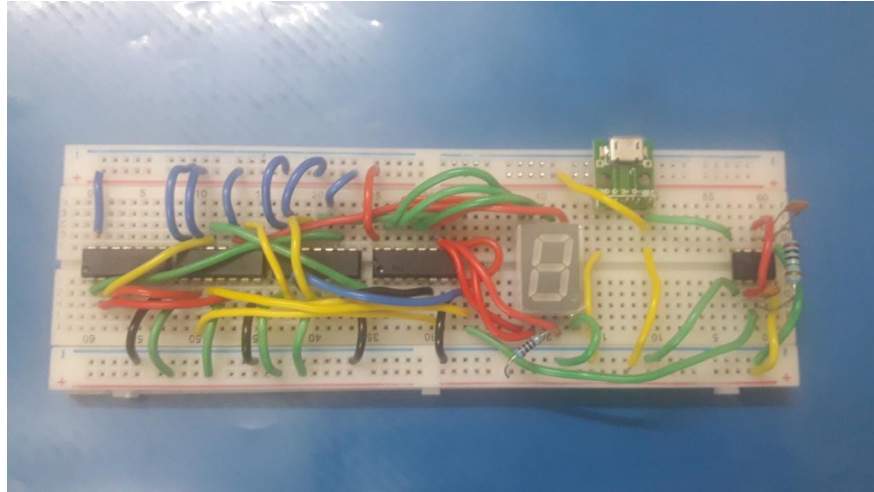


Figure 1: Image of circuit

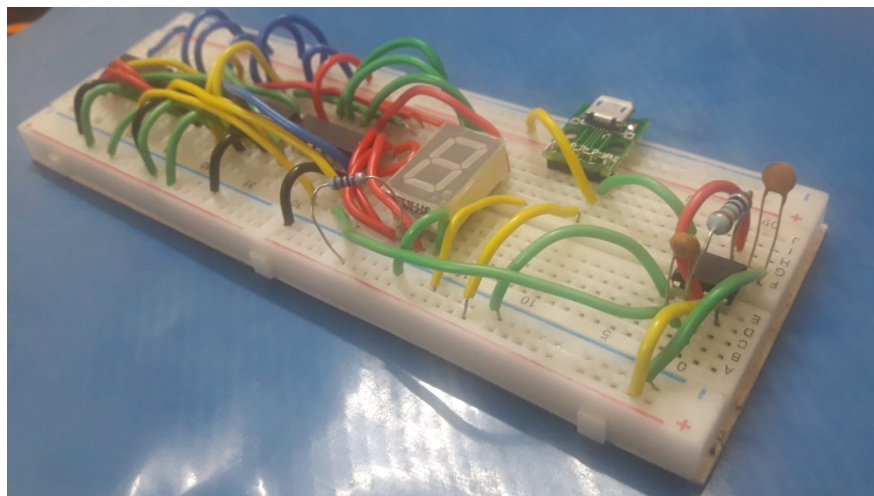


Figure 2: Image of circuit

Block Diagram

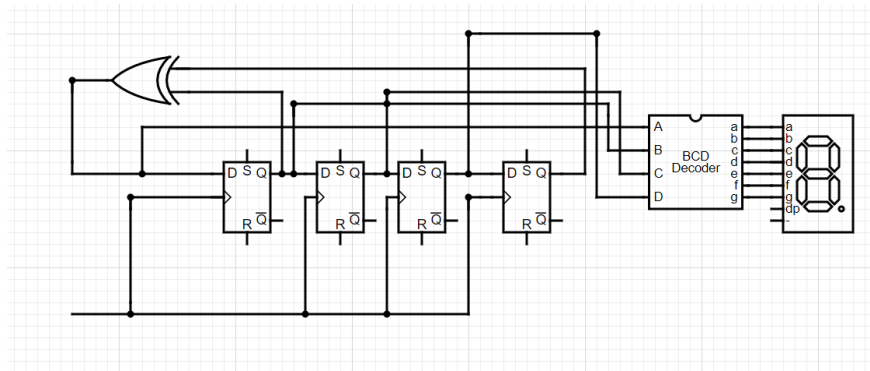


Figure 3: Block Diagram