BCD Counter Circuit
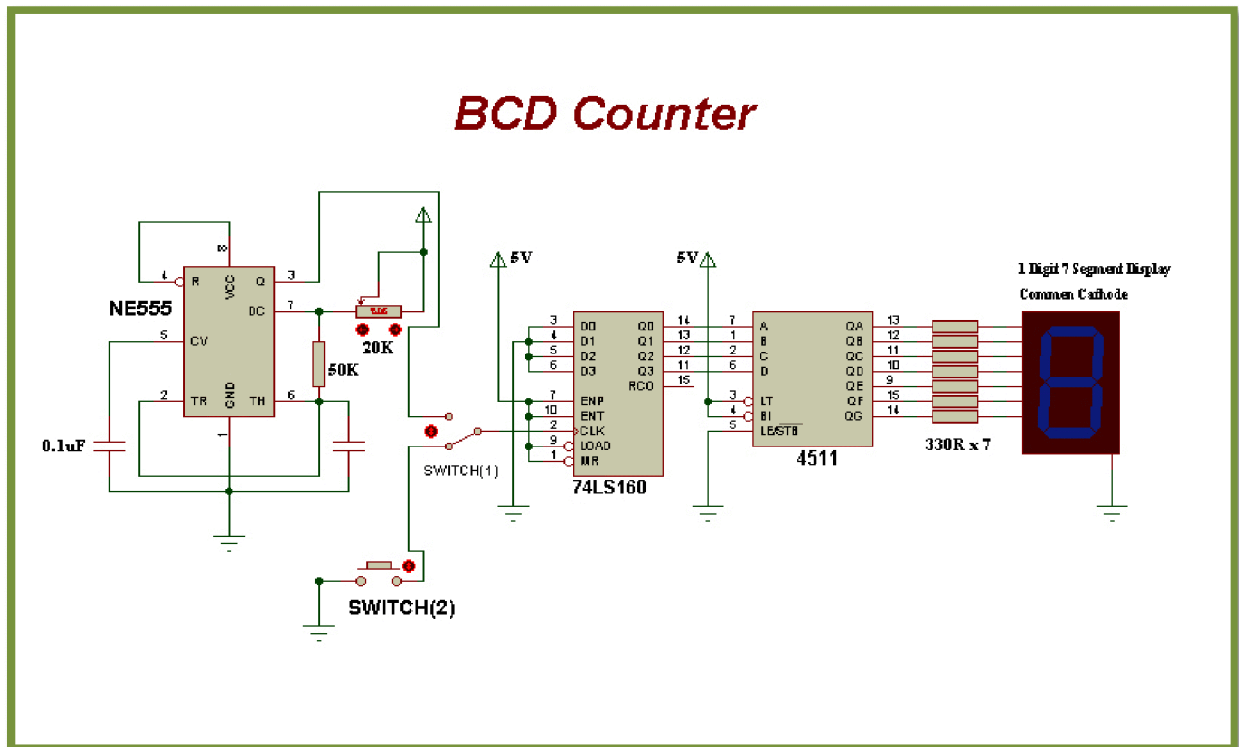
BCD Counter

Circuit Diagram 01

BCD Counter circuit use for count up to 0-9. NE555 timer use to make pulse to drive counter part of circuit, but you can add debounce less switch (Circuit Diagram 02) without timer.

Parts List for *Circuit Diagram 01*

Common Cathode 7 Segment (01)

NE555   (01)

74LS160   (01)

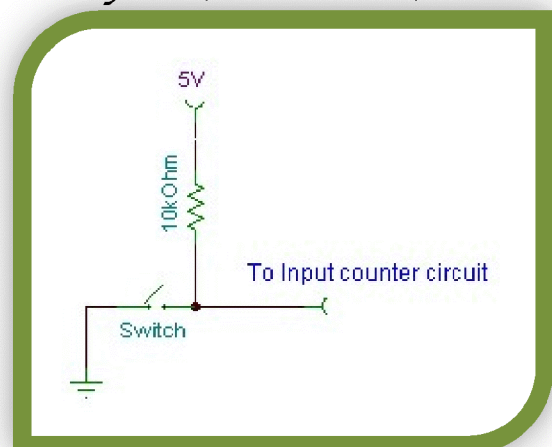4511   (01)

330R   (07)

20K Preset   (01))

50K   (01

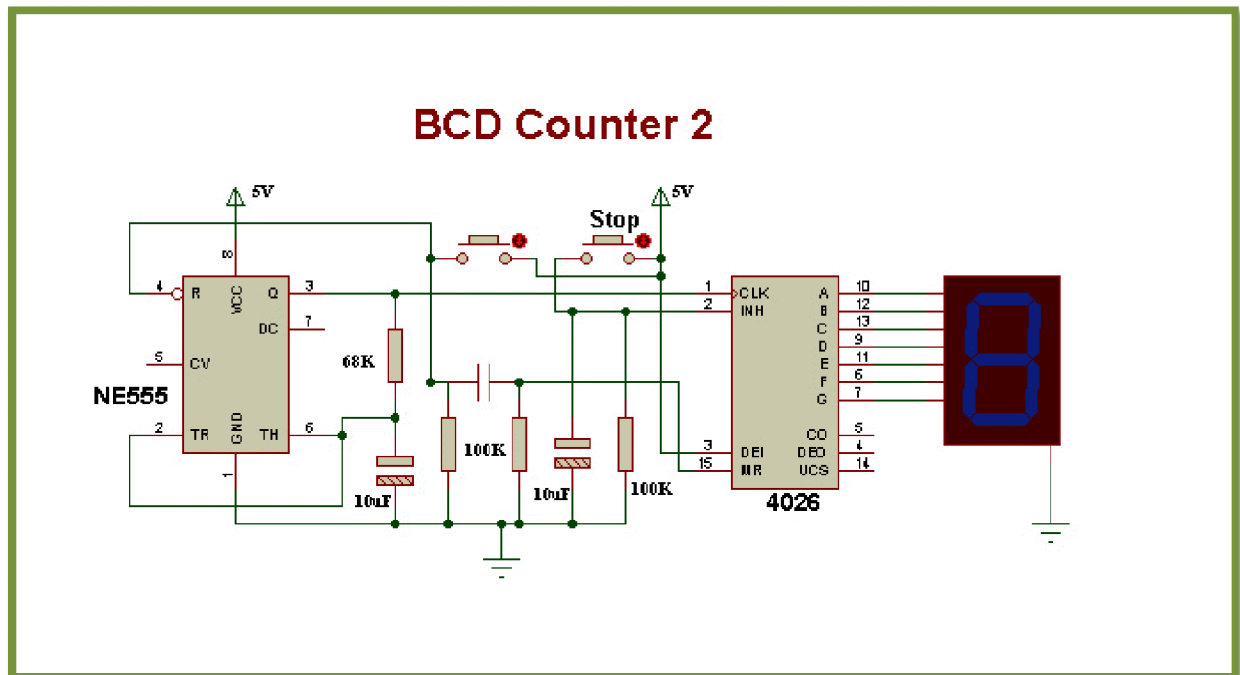0.1uF   (01)

10uF   (01)

For real world simulation

Circuit Diagram 02

BCD Counter Circuit 2

Circuit Diagram 03

This circuit diagram result is same as above circuit and you can add debounce less switch too.

Pars list for **Circuit Diagram 03**

Common Cathode 7 Segment (01)

NE555   (01)

4026   (01)

100K   (01)

68K   (01)

10uF   (01)

1nF   (01)