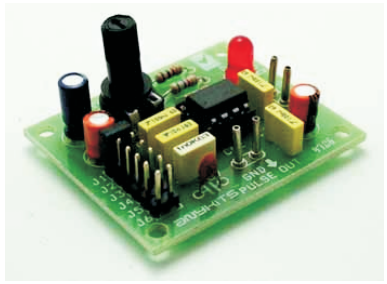
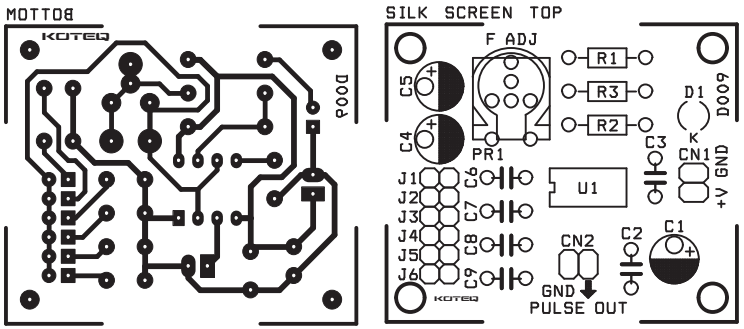
PULSE GENERATOR

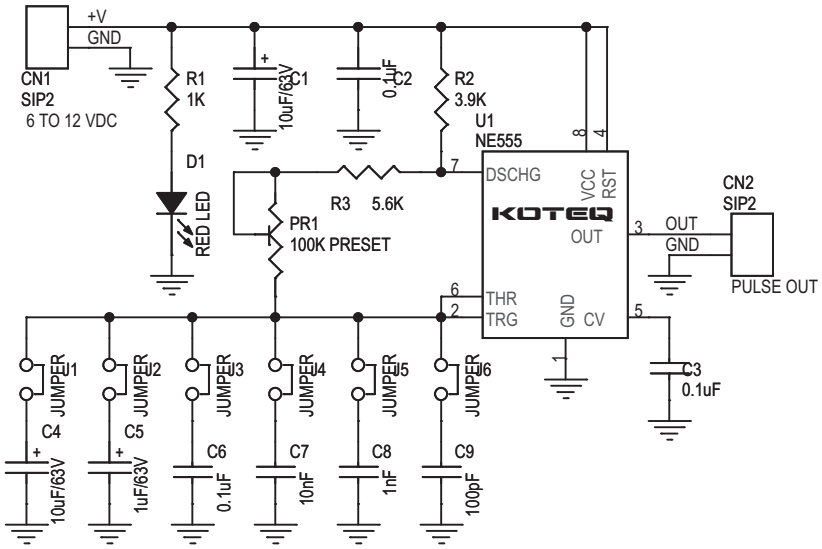
Pulse Generator project will generate a frequency in KHz which can form a good test gear project. This project is based on the classic 555 timer IC.

- Input : 6-12 VDC Max @ 40 mA (5V DC also possible for TTL Output)
- Range : Jumper selectable and preset tunable range of 1 Hz to 180 KHz
- Power-On LED indicator
- Berg connector for easy connection
- Four mounting holes of 3.2 mm each
- PCB dimensions 47 mm x 40 mm



SR.	QTY.	REF.	DESCRIPTION
1	1	CN1	2 PIN BERG CONNECTOR
2	1	CN2	2 PIN BERG CONNECTOR
3	2	C1,C4	10uF/63V OR 50V
4	3	C2,C3,C6	0.1uF
5	1	C5	1uF/63V
6	1	C7	10nF
7	1	C8	1nF
8	1	C9	100pF
9	1	D1	RED LED 3MM
10	6	J1,J2,J3,J4,J5,J6	2 PIN JUMPER
11	1	PR1	100K PRESET
12	1	R1	1K
13	1	R2	3.9K
14	1	R3	5.6K
15	1	U1	NE555
16	1	SOCKET	8 PIN DIP IC SOCKET
17	1	JUMPER CLOSER	JC02





J1 : 1 to 10 Hz
J2 : 10 to 100 Hz
J3 : 80 to 1 KHz
J4 : 700 Hz to 10 KHz
J5 : 7 KHz to 55 KHz
J6 : 63 KHz to 180 KHz

CN1 Connector : Supply Input 5V DC (5 - 12 VDC for TTL and Cmos)
CN2 Connector : Pulse Out
PR1 : Frequency Adjust