

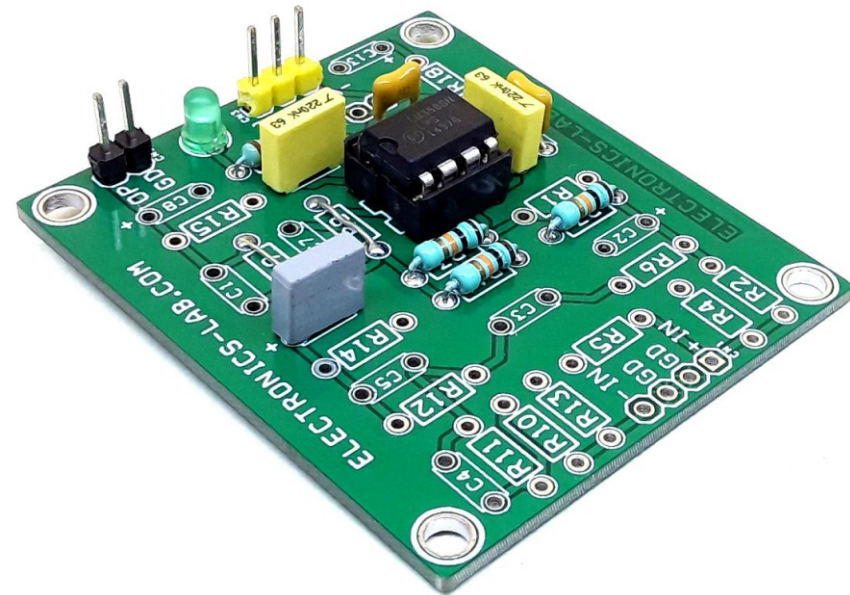
Universal Op-Amp Board For DIP-8 Package

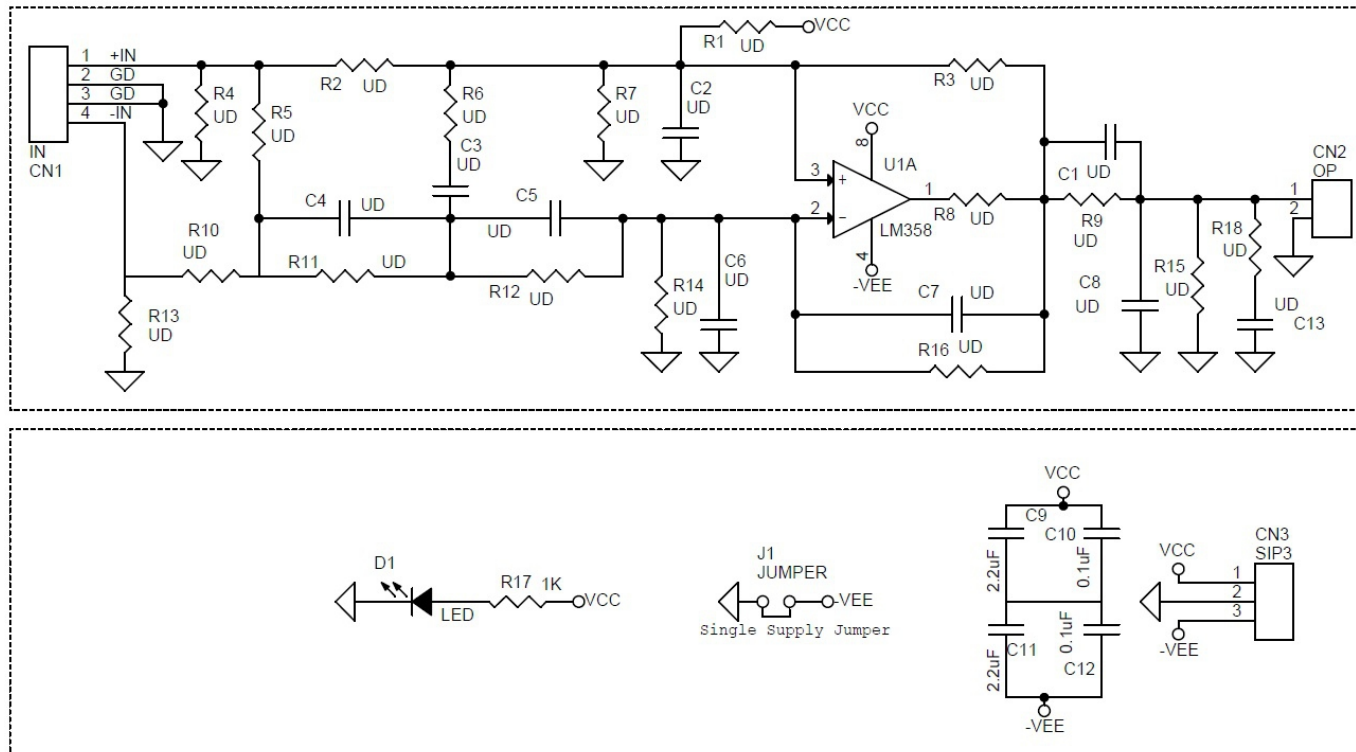
This is an easy to build and very useful project for hobbyists and students to learn and create op-amp-based projects. The board accommodates a single op-amp in DIP-8 package. The project provides the user with multiple choices and extensive flexibility for different applications circuits and configurations. It provides the user with many combinations for various circuit types including active filters, differential amplifiers, and external frequency compensation circuits etc. A few examples of applications circuits are given below. LM358 op-amp is the right choice to use or any DIP-8 op-amp with the same pin configuration as LM358 can be used. It supports dual supply or single supply, Jumper J1 is provided to use this board with a single supply, D1 power LED.

Note: Refer to example circuit to test the board, it is bistable multivibrator.

Features

- Single or Dual Supply User defined (Jumper)
- 4 Pin Male Header Connector for inputs
- 3 Pin Male Header for Supply input (Single or Dual)
- Jumper J1 Close for single Supply, Open for Dual Supply
- LED D1 Power LED
- Any DIP-8 Op-Amp Can be used Pin configuration -Lm358
- PCB Dimensions 51.44 x 44.77mm







BOM			
NO.	QNTY	REF.	DESC
1	1	CN1	4 PIN MALE HEADER PITCH 2.54MM
2	1	CN2	2 PIN MALE HEADER PITCH 2.54MM
3	1	CN3	3 PIN MALE HEADER PITCH 2.54MM
4	26	R1,C1,R2,C2,R3,C3,R4,C4,C5,R6,C6,R7,R8,C8,R9,R10,R11,R12,R13,C13,R14,R15,R16,R18,R5,C7	UD (USER DEFINED)
5	2	C9,C11	2.2uF PITCH 5MM
6	2	C10,C12	0.1uF CERAMIC
7	1	D1	LED 3MM RED COLOUR
8	1	J1	JUMPER/SHUNT
9	1	R17	1K 5% THT 1/4W OR 1/8W
10	1	U1	OP-AMP DIP-8
ALL RESISTORS 1/4W OR 1/8W , HIGHER WATTAGE VERTICAL MOUNTING, ALL CAPACITORS PITCH 5MM			



