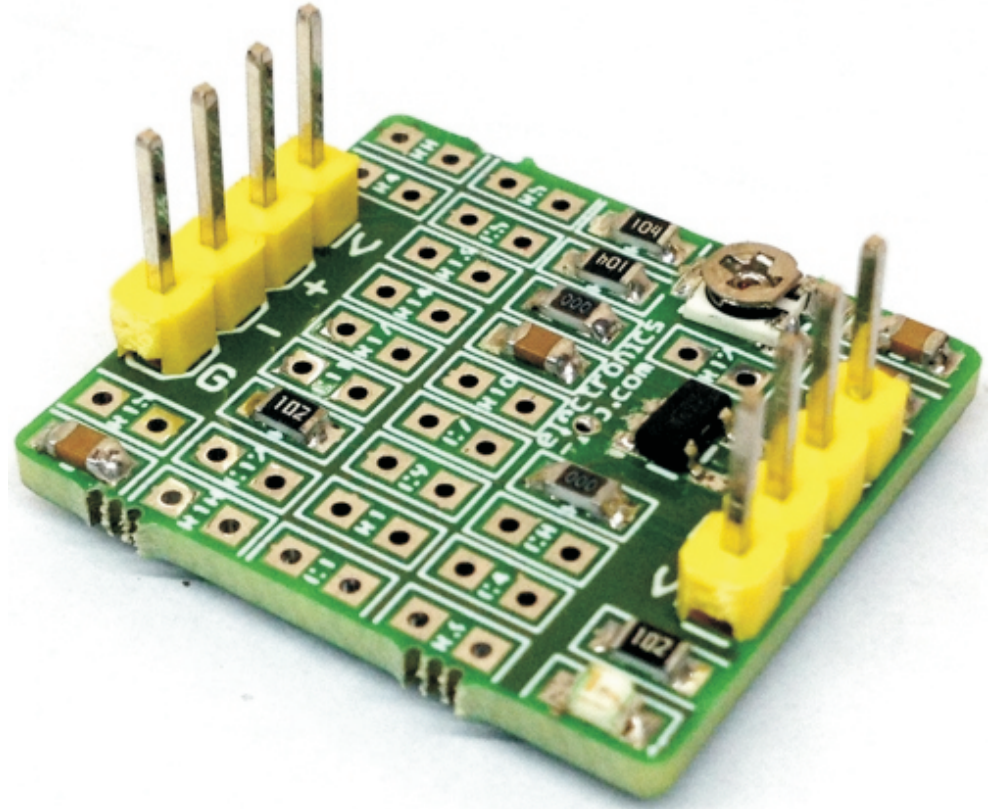


Universal Op-Amp Evaluation Board Using LMV321 Low Power Op-Amp

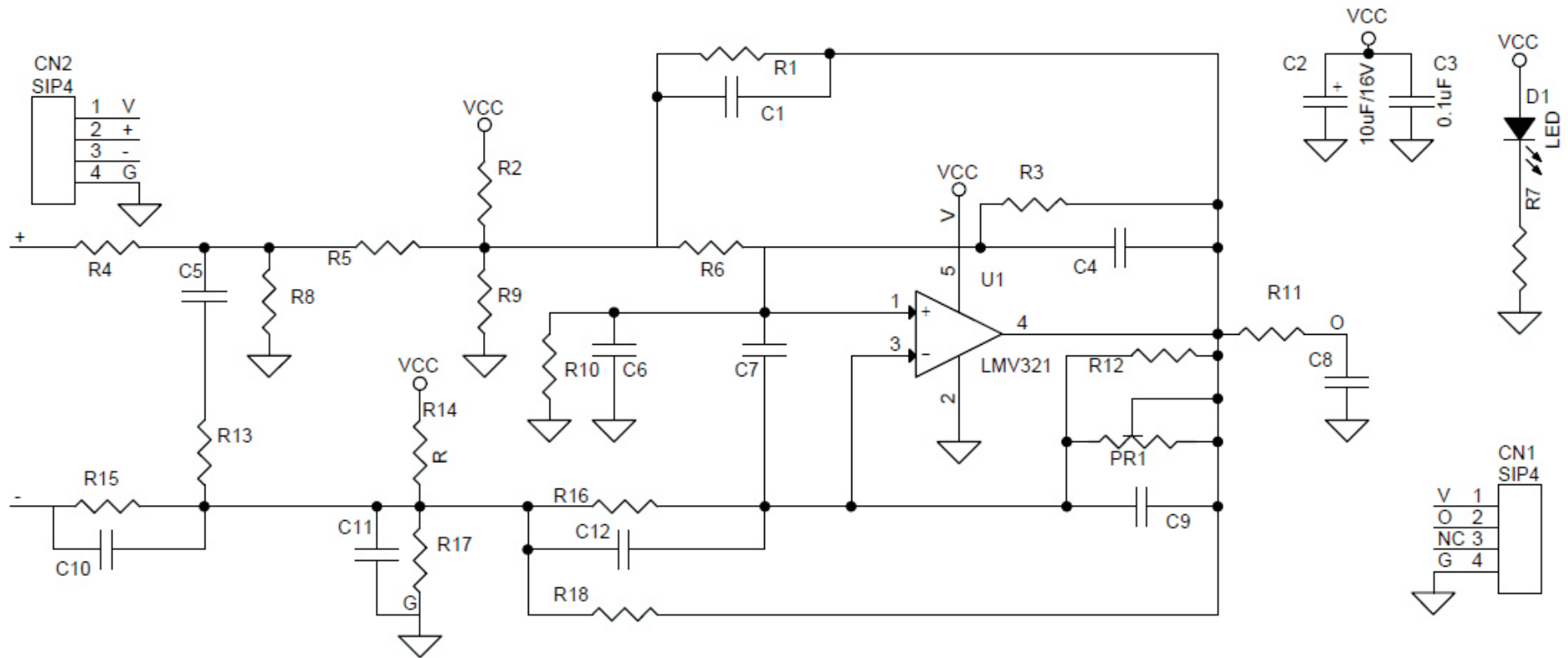
The Universal Op-Amp Development board is general purpose blank circuit boards that simplify prototyping circuits for a variety of Op-Amp circuits. The evaluation module board design allows many different circuits to be constructed easily and quickly. This board support single SOT23-5 package. Universal single Operational Amplifier (Op-Amp) board is designed to aid in the evaluation and testing of the low voltage/low power and some precision operational amplifiers. This board will accommodate single op amp that are assembled in SOT23-5 package. This board is designed to use single amplifiers. Many different circuits can be made such as inverting, non-inverting, differential-In amplifiers and low-pass, band-pass, band reject, or notch second order filters. The amplifier can be powered with single supply. These circuits can be configured without any modifications to the board, all that is necessary is to select the correct resistors and capacitors. The other optional components can be left open or shorted depending on the configuration desired. LMV321 is an ideal op-amp for this board however other single op-amp with same package and pins configuration can be used. The LMV321 device is single, low-voltage (2.7 V to 5.5 V) operational amplifiers with rail-to-rail output swing. These devices are the most cost-effective solutions for applications where low-voltage operation, space saving, and low cost are needed. These amplifiers are designed specifically for low-voltage (2.7 V to 5 V) operation.

Features

- Supply 2.7V-5.5V (LMV321 Op-Amp)
- SOT23-5 Pins Op-Amp with Pin Configuration LMV321 can be used
- CN2 Inputs
- CN1 Output

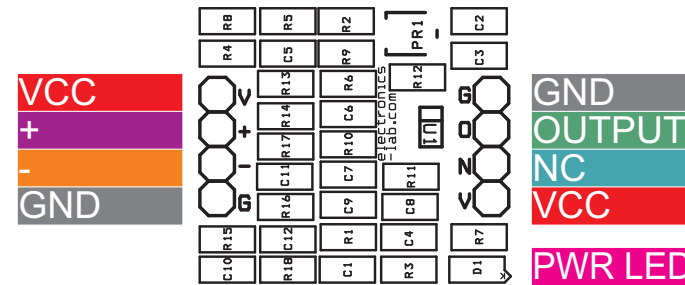
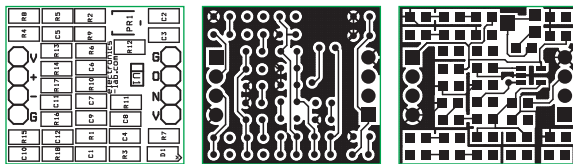


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BOM				
SR.	QNTY.	REF.	DESC.	
1	2	CN1,CN2	4 PIN HEADER CONNECTOR	
2	2	C1,C10	SMD 0805 CHOOSE AS PER APP REQUIRMENT	
3	1	C2	10uF/16V SMD 0805	
4	1	C3	0.1uF SMD 0805	
5	3	C4,C9,C12	SMD 0805 CHOOSE AS PER APP REQUIRMENT	
6	3	C5,C8,C11	SMD 0805 CHOOSE AS PER APP REQUIRMENT	
7	1	C6	SMD 0805 CHOOSE AS PER APP REQUIRMENT	
8	1	C7	SMD 0805 CHOOSE AS PER APP REQUIRMENT	
9	1	D1	LED SMD 0805	
10	1	PR1	PRESET SMD 3MM TRIMMER POT.	
11	16	R1,R2,R3,R4,R5,R6,R7,R10,R11,R12,R13,R14,R15,R16,R17,R18	SMD 0805 CHOOSE AS PER APP REQUIRMENT	
12	2	R8,R9	SMD 0805 CHOOSE AS PER APP REQUIRMENT	
13	1	U1	LMV321 SMD SOT23-5	

