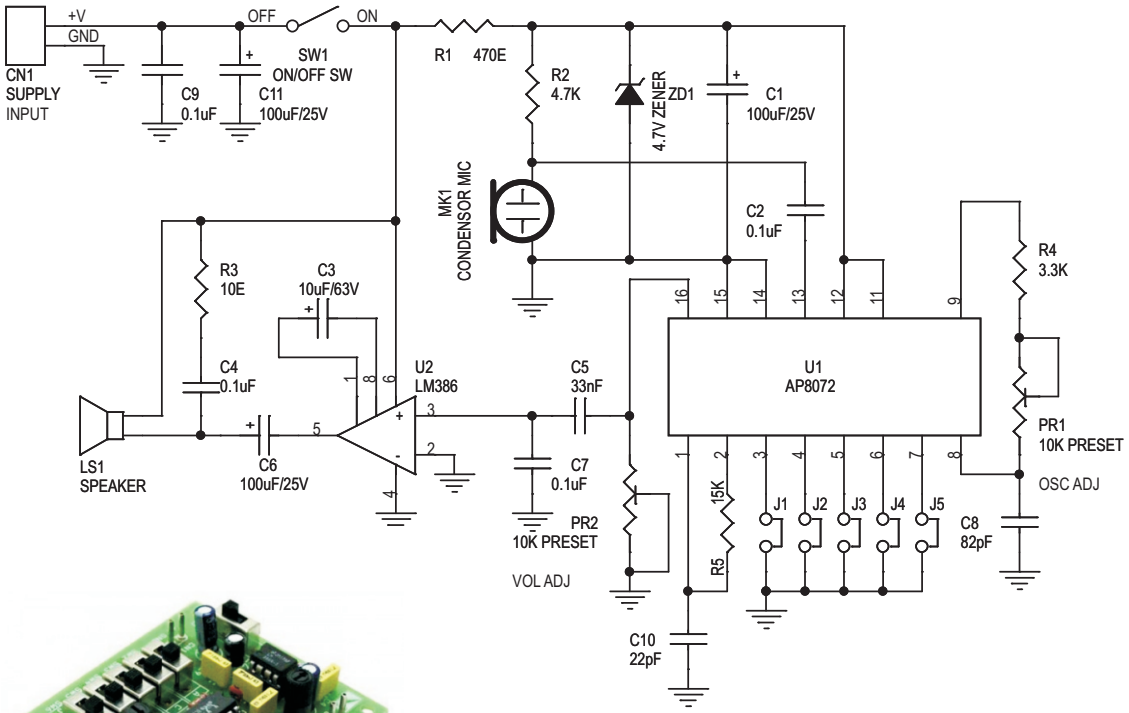
VOICE CHANGER

Voice Changer project can be used to transpose or distort one's voice by encoding the sound appearing at the Microphone input. This project is built around AP8072 IC.

- Supply input : 6 VDC @ 200 mA
- Output : Speaker, 8 Ω / 0.5 W
- Audio amplifier type LM386 with volume control preset
- Jumper selectable tone frequency for encoding sound
- 4 Tones to choose
- Built in noise reduction circuit for reducing environment noise
- On/Off Jumper connector for power supply input
- Berg connector for power supply input and speaker output
- Four mounting holes of 3.2 mm each
- PCB dimensions 48 mm x 52 mm



SR.	QTY.	REF.	DESCRIPTION
1	1	CN1	2 PIN BERG CONNECTOR
2	3	C1,C6,C11	100uF/25V
3	4	C2,C4,C7,C9	0.1uF
4	1	C3	10uF/63V OR 50V
5	1	C5	33nF
6	1	C8	82pF
7	1	C10	22pF
8	5	J1,J2,J3,J4,J5	2 PIN JUMPER WITH CLOSER
9	1	LS1	2 PIN BERG CONNECTOR
10	1	MK1	CONDENSOR MIC
11	2	PR1,PR2	10K PRESET
12	1	R1	470E
13	1	R2	4.7K
14	1	R3	10E
15	1	R4	3.3K
16	1	R5	15K
17	1	SW1	3 PIN JUMPER WITH CLOSER
18	1	U1	AP8072/RTS0072
19	1	U2	LM386
20	1	ZD1	4.7V ZENER
21	1	SOCKET	16 PIN DIP IC SOCKET
22	1	SOCKET	8 PIN DIP IC SOCKET

Switch Positions for Tone Frequency for Effects in Sound

J1	J2	Tone Frequeny
OPEN	OPEN	800 Hz
OPEN	CLOSE	1333 Hz
CLOSE	OPEN	660 Hz
CLOSE	CLOSE	2 KHz