

深圳市普恩科技有限公司

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SS306X

8 Gun Sound with 3 LED Sound Effect (Built in transistor)

Features:

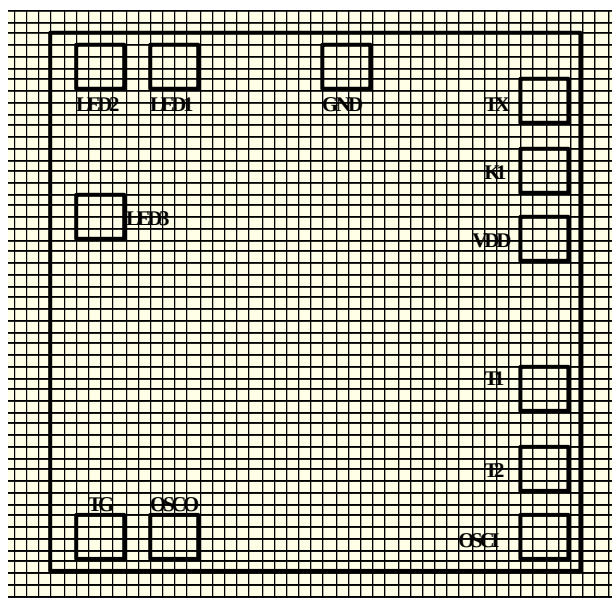
- 8 different sounds in one key.
- Oscillator resistor can be optioned.
- Non-retriggerable .
- Auto power off .
- TG Trigger pin
- L1 → L3 LED.

K	Sound
K1	Rifle
K2	Rifle (Echo)
K3	TV Game
K4	Dual Tone
K5	Bombing
K6	Bombing 2
K7	Gun 1
K8	Gun 2

General Description:

This chip is a new type of CMOS sound generator designed with sound composite system using minimum application circuit .It is dedicated to the applications such as rhythm box, toys, etc. and is easy for you to design your consumer products.

Pin Configuration:



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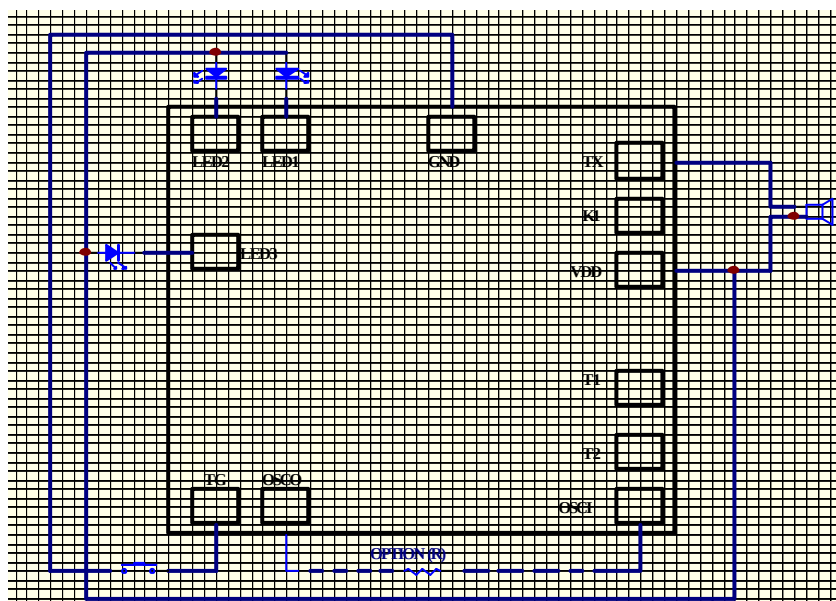
Pin Description:

No	Symbol	Description	No	Symbol	Description
1	VDD	Positive power supply pin	7	LED3	Led output pin 3
2	K1	Test pin	8	TG	Trigger pin
3	TX	Sound direct output pin	9	OSCO	Oscillator output
4	GND	Negative power supply pin	10	OSCI	Oscillator input
5	LED1	Led output pin 1	11	T2	Test pin
6	LED2	Led output pin 2	12	T1	Test pin

Electrical Characteristics:

Characteristics	Sym	Min	Typ	Max	Unit	Remark
Operating Voltage	VDD	-	3	3.5	V	
Operating I _{DD}	I _{DD}	-	0.1	0.5	mA	Vdd=3V, No .load
Quiescent I _{DD}	I _{DD}	-	2	5	uA	Vdd=3V
TX Sinking current	I _{drv}	--	100	-	mA	Vdd=3v, V _{DS} =0.5V
LED Driving current	I _{led}	10	-	-	mA	Vdd=3V, V _{DS} =1.2V
Oscillator Frequency	F _{osc}	-	125	-	KHz	±30%TOL

Application Circuit:



***Substrate to VDD**