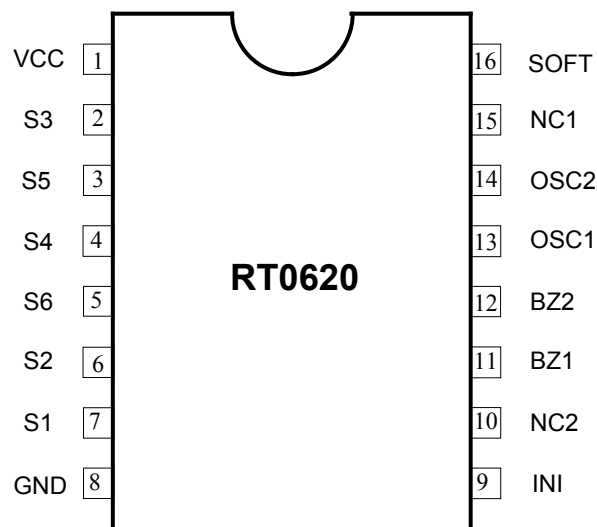


**6 TONES SIREN/ALARM SOUND GENERATOR
WITH SOFT CHIRP**

The RT0620 is a CMOS design for six different alarm sounds application. According to the priority of the select keys. The sound of RT0620 will be generated in cycling sequence, The SOFT CHIRP only be generated within 200ms of the first sound.

FEATURES :

1. Auto Power off function, reduce power consumption.
2. Low Operating Voltage 2V~5V.
3. CMOS process.
4. On-chip RC oscillator.
5. 6 different sounds.
6. 6 prioritized keys for selecting 6 different sounds.
7. Low stand by current.
8. 200 ms SOFT CHIRP

PIN DIAGRAM

PIN OUT AND DESCRIPTION

Symbol	Description	PIN	I/P, O/P
VCC	Power	1	
S1	Sound selection keys. These connects with internal pull-down Resistor. The sound output will be enabled when a key is connected to VDD, on other hands, the sound output will be disabled if a key is N.C. or connected to GND(ground). When two or more keys are selected in the same time, the sound will be generate d in cycling sequence, according to the priority of the keys. The proirity of S!~S6 list below : S1>S2>S6>S4>S5>S3	2	I/P
S2		3	
S3		4	
S4		5	
S5		6	
S6		7	
GND	Ground	8	
INI	An internal pull-up resistor. Might disable BZ1, BZ2 when connected to GND.	9	I/P
BZ1	Audio outputs	11	O/P
BZ2		12	
OSC1	Oscillator pin	13	
OSC2		14	
SOFT	Open = 6 Tone Vcc = 6 Tone with 200 ms soft chirp.	16	O/P
NC1	No connecting	15	
NC2		10	

ELECTRICAL CHARACTERISTICS

VCC=3V, Temp. =25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit
Operating Voltage	VCC	2.0	3.0	5.0	V
Stand-By Current	Isb		10	20	uA
Operating Current	Iop		300	500	uA
BZ1, BZ2 Driving Current	Ioh	1.0			mA
	Iol	1.0			mA
Operating Frequency	Fop		128		K Hz

ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Rating	Unit
VCC	Supply Voltage	-0.3 ~ 6	V
Vi	Input Voltage	-0.3 ~ Vcc+0.3	V
Vo	Output Voltage	-0.3 ~ Vcc+0.3	V
Tst	Storage Temperature	-40 ~ 125	°C
Ttp	Operating Temperature	0 ~ 65	°C

APPLICATION CIRCUIT

