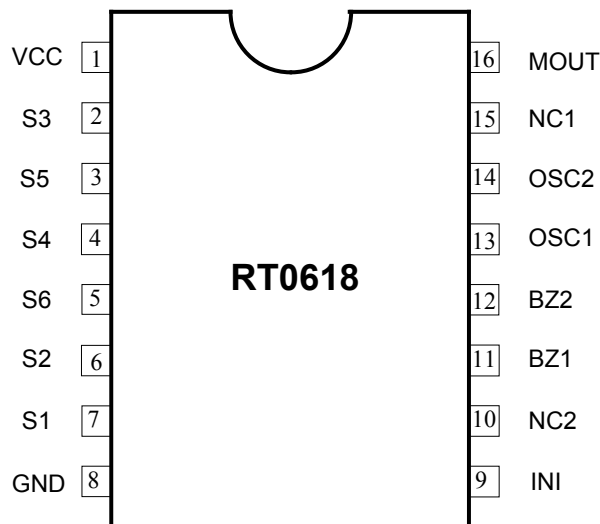The RT0618 is a CMOS design for six different alarm sounds application. According to the priority of the select keys. The sound of RT0618 will be generated in cycling sequence,

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.

PIN DIAGRAM

PIN OUT AND DESCRIPTION

Symbol	Description	PIN	I/P, O/P
VCC	Power	1	
S1	Sound selection keys. These connects	2	I/P
S2	with internal pull-down Resistor. The	3	
S3	sound output wiil be enabled when a key	4	
S4	is connected to VDD, on other hands, the	5	
S5	sound output will be disabled if a key is	6	
S6	N.C. or connected to GND(ground). When two or more keys are selected in the same time, the sound will be generated in cycling sequence, according to the priority of the keys. The proirity of S!~S6 list below : S1>S2>S6>S4>S5>S3	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	
MOUT	When S2 is selected a square wave will be sent out to this pin.	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	Ioh	1.0			mA
Driving Current	Iol	1.0			mA
Operating Frequency	Fop	70	80	128	K Hz

ABSOLUTE MAXIMUM RATINGS

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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

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