

◆ Features

- * Built in 256 dual tone musical notes ROM memory in IC body
- * 3 independence song to be playing from 3 trigger keys (TG1 , TG2 , TG3)
- * 1 sequence trigger key (SQ) for 3 songs output when SQ pin is sequence triggered
- * Built in audio amplifier , do not need transistor on output for sound amplifier
- * Built in 1 LED flash circuit , flash speed follows sound output of melody tempo

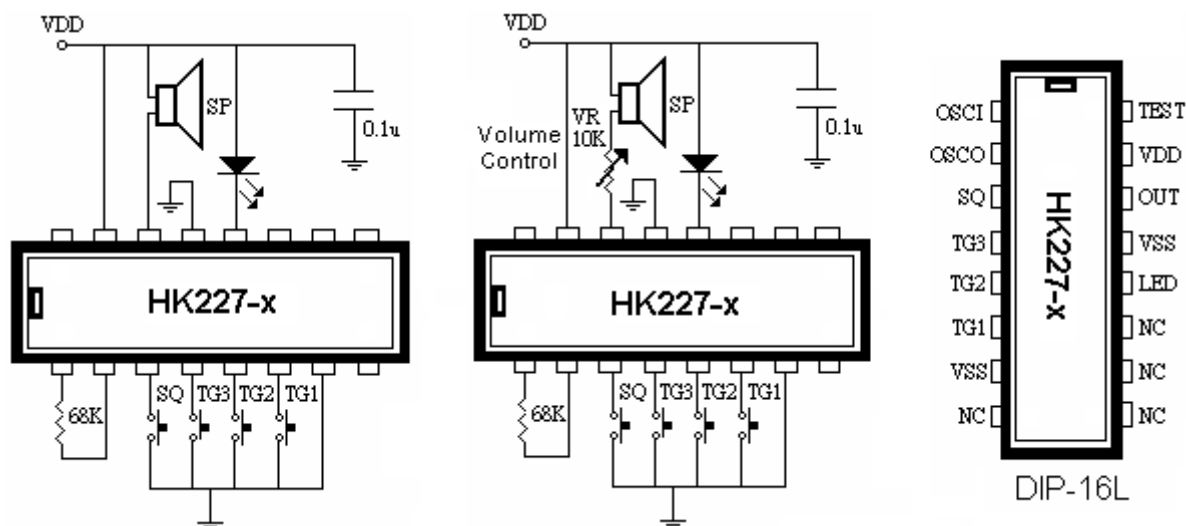
◆ Application

- * Toys , Clock melody , Musical box

◆ Electrical Characteristics

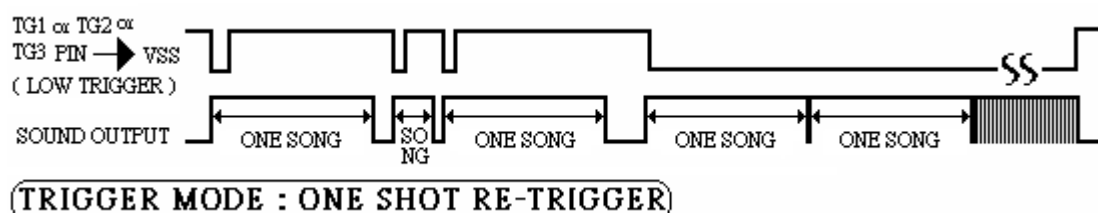
Characteristics	Sym.	Min.	Typ.	Max.	Unit	Remark
Operating voltage	VDD	1.8	3.0	4.8	V	
Operating current	I _{OP}	----	0.1	0.5	mA	No Load
Stand by current	I _{SB}	----	1	5	uA	
Oscillator frequency	F _{OSC}	----	128	----	KHz	± 30% R _{osc} = 68KΩ
Operating temperature	T _{EMP}	0	25	60	°C	
Driving current	I _O	1	----	----	mA	@ V _{DS} =1V

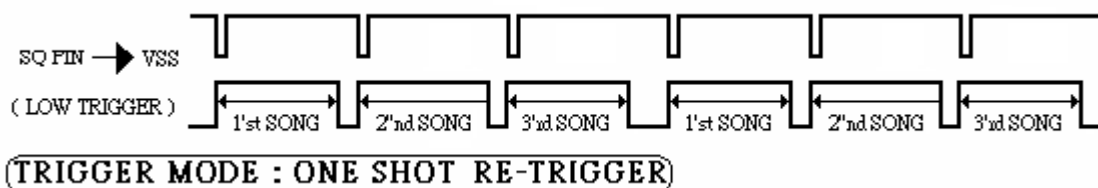
◆ Application circuit



★ Package Type : DIP-16L

★ Trigger Mode and Timing Chart :





◆ Song list

HK227-1

1. SANTA CLAUS IS COMING TO TOWN
2. WE WISH YOU A MERRY CHRISTMAS
3. JINGLE BELLS

HK227-2

1. MARY HAD A LITTLE LAMB
2. LONDON BRIDGE IS FALLING DOWN
3. DOWN THE MOUNTAIN SIDE WE GO

HK227-3

1. LONDON BRIDGE IS FALLING DOWN
2. TWINKLE TWINKLE LITTLE STAR
3. THREE BLIND MICE

HK227-5

1. SILENT NIGHT
2. JOY TO THE WORLD
3. HARK! THE HERALD ANGELS SING

HK227-6

1. LET ME CALL YOU SWEETHEART
2. LOVE ME TENDER LOVE ME TURE
3. YOU ARE MY SUNSHINE

HK227-7

1. PETER COTTONTAIL
2. EASTER PARADE
3. AMERICAN PATROL