

◆ Features

- * 1 trigger key for song sequence output selection
- * Can driver speaker and LED flash both for output device , LED flash speed follows sound output of melody tempo
- * TG pin : Trigger mode by one-shot re-trigger , could be re-touched for next song changing
- * Can be custom design up to 24 songs maximum base on 768 musical notations

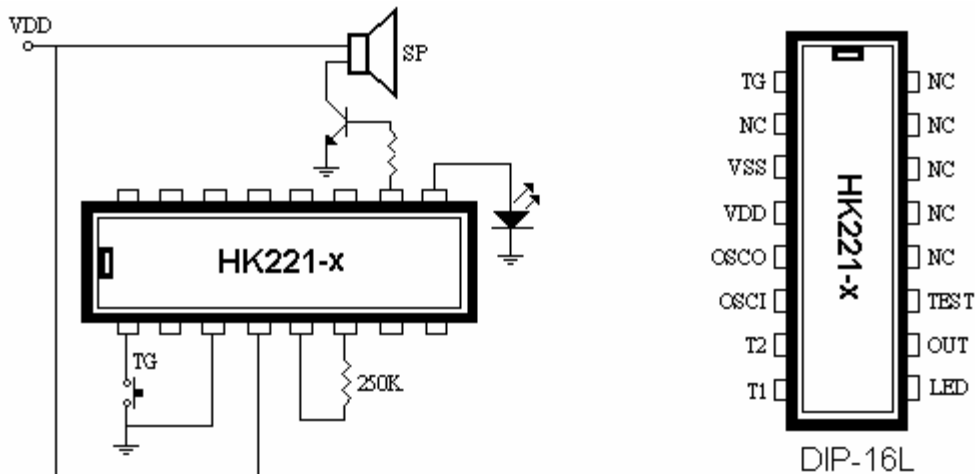
◆ Application

- * Toys , Clock melody , Musical box

◆ Electrical Characteristics

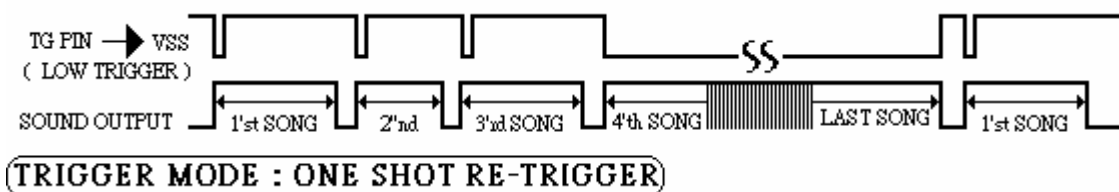
Characteristics	Sym.	Min.	Typ.	Max.	Unit	Remark
Operating voltage	V _{DD}	----	3	4.5	V	
Operating current	I _{OP}	----	0.1	0.5	mA	No Load
Stand by current	I _{SB}	----	1	10	uA	
Oscillator frequency	F _{OSC}	----	100	----	KHz	±30% R _{osc} = 250KΩ
Operating temperature	T _{EMP}	0	25	60	°C	
Driving current	I _O	1	----	----	mA	@ V _{DS} =1V

◆ Application circuit



★ Package Type : DIP-16L

★ Trigger Mode and Timing Chart :



◆ Song list

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|----------------------------------|------------------------------|
| 1. AMERICAN PATROL | 7. ARE YOU SLEEPING |
| 2. RABBITS | 8. HAPPY BIRTHDAY TO YOU |
| 3. OH! MY DARLING CLEMENTINE | 9. TOY SYMPHONY |
| 4. BUTTERFLY | 10. HOME SWEET HOME |
| 5. LONDON BRIDGE IS FALLING DOWN | 11. LULLABY |
| 6. ROW, ROW, ROW YOUR BOAT | 12. SHE WORE A YELLOW RIBBON |

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|--------------------------------|----------------------------|
| 1. TWINKLE TWINKLE LITTLE STAR | 9. CHIM CHIM CHERECE |
| 2. FORGE IN THE FOREST | 10. TREE |
| 3. TOY SYMPHONY | 11. CLOCK |
| 4. AMERICAN PATROL | 12. MARY HAD A LITTLE LAMB |
| 5. LONG LONG AGO | 13. WIEGENLIED |
| 6. OH! MY DARLING CLEMENTINE | 14. SUR LE PONT D'AVIGNON |
| 7. CUCKOO WALTZ | 15. YANKEE DOODLE |
| 8. L'EAU VIVE | 16. LITTLE BROWN JUG |