



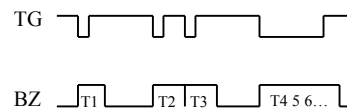
768 NOTES  
1 KEY 24 TUNES

768 音符 24 首歌音乐

MELODY	
M948D	

**FEATURES 功能叙述**

- Up to 24 tunes.
- 1 sequence trigger key.
- Digital Envelope.



**APPLICATION 产品应用**

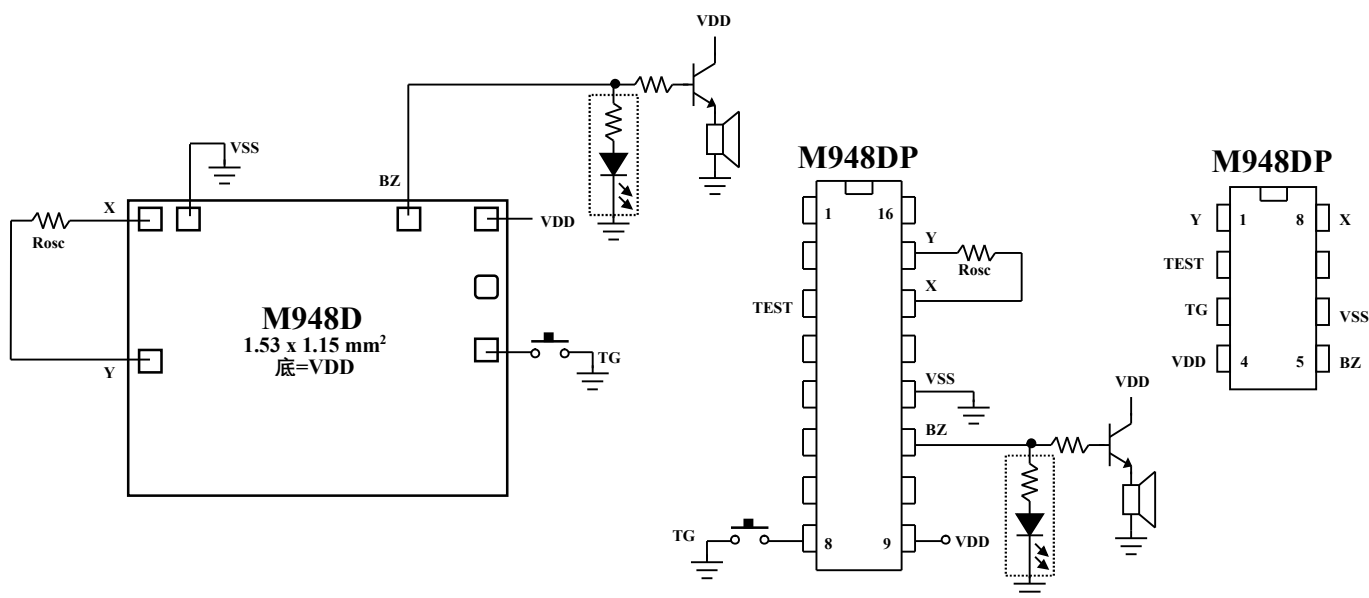
- Toys, Clock melody etc..

**ELECTRICAL CHARACTERISTICS 电气规格**

( @V<sub>DD</sub>=3V unless otherwise specified )

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作电压 Operating Voltage	V <sub>DD</sub>	1.5	3	4.5	V	
工作电流 Operating Current	I <sub>OP</sub>	—	5	7	mA	No load
静态电流 Quiescent Current	I <sub>SB</sub>	—	1	5	μ A	
推动电流 BZ Driving Current	I <sub>O</sub>	1	—	—	mA	@V <sub>DS</sub> =1V
振荡频率 Oscillator Frequency	F <sub>OSC</sub>	—	100	—	KHz	External ±30%, Rosc=220KΩ
工作温度 Operating Temperature	Temp.	0	25	60	°C	

**APPLICATION DIAGRAM 参考电路图**



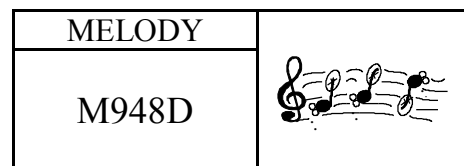
\*All specs and applications shown above subject to change without prior notice.

( 以上电路及规格仅供参考,本公司得径行修正 )



768 NOTES  
1 KEY 24 TUNES

768 音符 24 首歌音乐



**SONG LIST**

**M948D-2 :**

- |                                  |                              |
|----------------------------------|------------------------------|
| 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 |

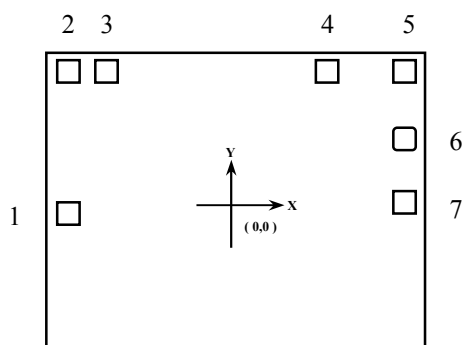
**M948D-3 :**

- |                                |                            |
|--------------------------------|----------------------------|
| 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 AGE               | 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       |

**M948D-1 : MELODY + CLOCK CHIME**

- |                              |            |                       |             |
|------------------------------|------------|-----------------------|-------------|
| 1. LONG LONG AGO             | + 1 chime  | 7. FOR ALICE          | + 7 chimes  |
| 2. A LOVER'S CONCERTO        | + 2 chimes | 8. NEW WORLD          | + 8 chimes  |
| 3. MOONLIGHT ON THE COLORADO | + 3 chimes | 9. OH! SUSANNA        | + 9 chimes  |
| 4. SOUVENIR D'ENFANCE        | + 4 chimes | 10. HOME SWEET HOME   | + 10 chimes |
| 5. A DREAMING OF HOME AND    | + 5 chimes | 11. SANTA LUCIA       | + 11 chimes |
| 6. HAPPY LIFE                | + 6 chimes | 12. LA REINE DEO SABA | + 12 chimes |

**PAD ASSIGNMENT & POSITION**



UNIT : um

No.	NAME	X	Y
1	Y	-650	-89.75
2	X	-650	462.50
3	VSS	-500	462.50
4	BZ	347.50	462.50
5	VDD	649	462.50
6	TEST	649	193.75
7	TG	649	-55.75

\* CHIP SIZE ~ 1.53 x 1.15 mm<sup>2</sup>.

\* IC substrate should be connected to VDD in PCB (PCB 上 IC 必须接 VDD)

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