


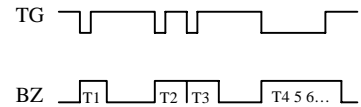
768 NOTES  
1 KEY 24 TUNES

768 音符 24 首歌音樂

MELODY	
M948B	

**FEATURES 功能敘述**

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



**APPLICATION 產品應用**

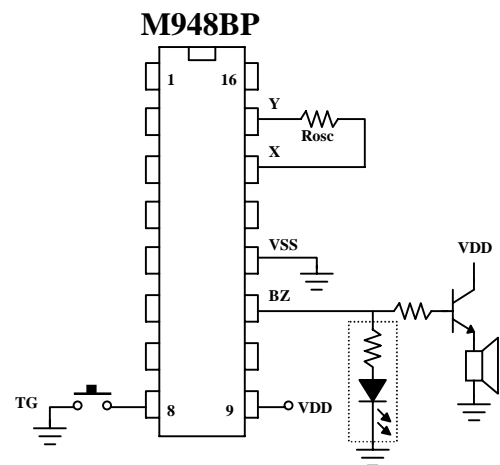
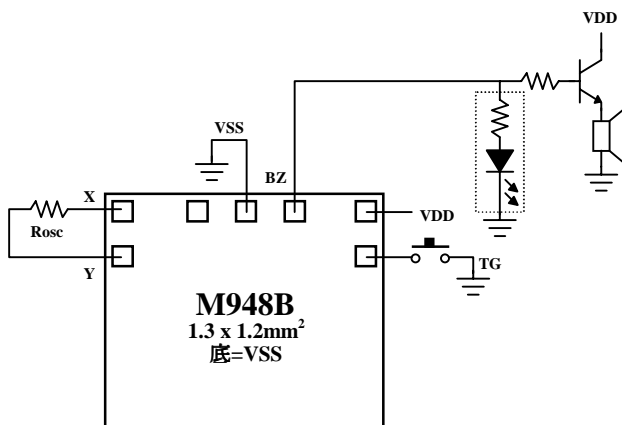
- Toys, Clock melody etc..

**ELECTRICAL CHARACTERISTICS 電氣規格**

( @  $V_{DD}=3V$  unless otherwise specified )

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作電壓 Operating Voltage	$V_{DD}$	—	3	3.5	V	
工作電流 Operating Current	$I_{OP}$	—	0.1	0.5	mA	No load
靜態電流 Quiescent Current	$I_{SB}$	—	1	5	$\mu A$	
推動電流 BZ Driving Current	$I_O$	1	—	—	mA	@ $V_{DS}=1V$
振盪頻率 Oscillator Frequency	$F_{OSC}$	—	100	—	KHz	External $\pm 30\%$ , $R_{osc}=270K\Omega$
工作溫度 Operating Temperature	Temp.	0	25	60	$^{\circ}C$	


**APPLICATION DIAGRAM 參考電路圖**



\*All specs and applications shown above subject to change without prior notice.  
( 以上電路及規格僅供參考,本公司得逕行修正 )

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## SONG LIST

### M948B-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 |

### M948B-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       |

### M948B-4 :


- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1. JINGLE BELLS                    | 7. DECK THE HALLS                |
| 2. SANTA CLAUS IS COMING TO TOWN   | 8. SILENT NIGHT                  |
| 3. JOY TO THE WORLD                | 9. OH! XMAS TREE                 |
| 4. THE FIRST NOEL                  | 10. UP ON THE HOUSETOP           |
| 5. IT CAME UPON THE MIDNIGHT CLEAR | 11. HARK! THE HERALD ANGELS SING |
| 6. WE WISH YOU A MERRY XMAS        | 12. ANGELS WE HAVE HEARD ON HIGH |

### M948B-5 :

- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1. WE WISH YOU A MERRY XMAS        | 9. O COME, ALL YA FAITHFUL       |
| 2. SANTA CLAUS IS COMING TO TOWN   | 10. HARK! THE HERALD ANGELS SING |
| 3. JINGLE BELLS                    | 11. SILVER BELLS                 |
| 4. DECK THE HALLS                  | 12. ANGELS WE HAVE HEARD ON HIGH |
| 5. O LITTLE TOWN OF BETHLEHEM      | 13. JOY TO THE WORLD             |
| 6. IT CAME UPON THE MIDNIGHT CLEAR | 14. THE FIRST NOEL               |
| 7. SILENT NIGHT                    | 15. THE TWELVE DAYS OF XMAS      |
| 8. OH! XMAS TREE                   | 16. UP ON THE HOUSETOP           |

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**SONG LIST**

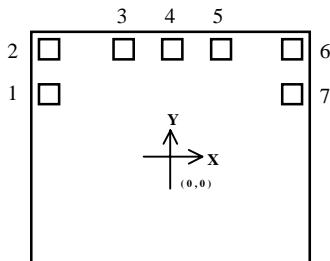
**M948B-1 : MELODY + CLOCK CHIME**

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 MOTHER	+ 5 chimes	11. SANTA LUCIA	+ 11 chimes
6. HAPPY LIFE	+ 6 chimes	12. LA REINE DEO SABA	+ 12 chimes

**M948BC-1 : MELODY + CLOCK CHIME**

1. 龍的傳人	+ 7 chimes	13. 教我如何不想他	+ 7 chimes
2. 青春舞曲	+ 8 chimes	14. 雪絨花	+ 8 chimes
3. 蘭花草	+ 9 chimes	15. 何日君再來	+ 9 chimes
4. 康定情歌	+ 10 chimes	16. 綠島小夜曲	+ 10 chimes
5. 草原情歌	+ 11 chimes	17. SILENCE	
6. 玫瑰玫瑰我愛你	+ 12 chimes	18. SILENCE	
7. 馬車夫之歌	+ 1 chime	19. SILENCE	
8. 花好月圓	+ 2 chimes	20. SILENCE	
9. 虹彩妹妹	+ 3 chimes	21. SILENCE	
10. 小城故事	+ 4 chimes	22. SILENCE	
11. 鄉間的小路	+ 5 chimes	23. SILENCE	
12. 阿里山之歌	+ 6 chimes	24. SILENCE	

**PAD ASSIGNMENT & POSITION**



UNIT : um

No.	PAD	X	Y
1	Y	-442.7	197.3
2	X	-442.7	377.3
3	TEST	-161.3	377.3
4	VSS	18.7	377.3
5	OUT	198.7	377.3
6	VDD	422.7	377.3
7	TG	442.7	171.1

\* IC CHIP ~ 1.3 x 1.2 mm<sup>2</sup>, substrate to VSS.

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