



DUAL TONE MELODY XMAS LIGHT CONTROL

雙音音樂 聖誕燈串控制 IC

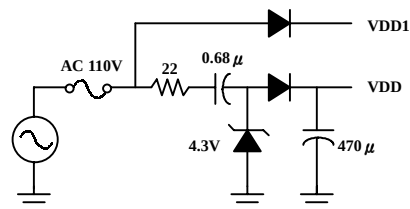
XMAS LIGHT

M668



FEATURES 功能敘述

- 5 SCR outputs.
- 2 mode sequence trigger key.
- Mode0 7 function Vol pin control volume.
Mode1 8 function Auto volume control.
- OPT : “Floation” Mode0
“VSS” Mode1



APPLICATION 產品應用

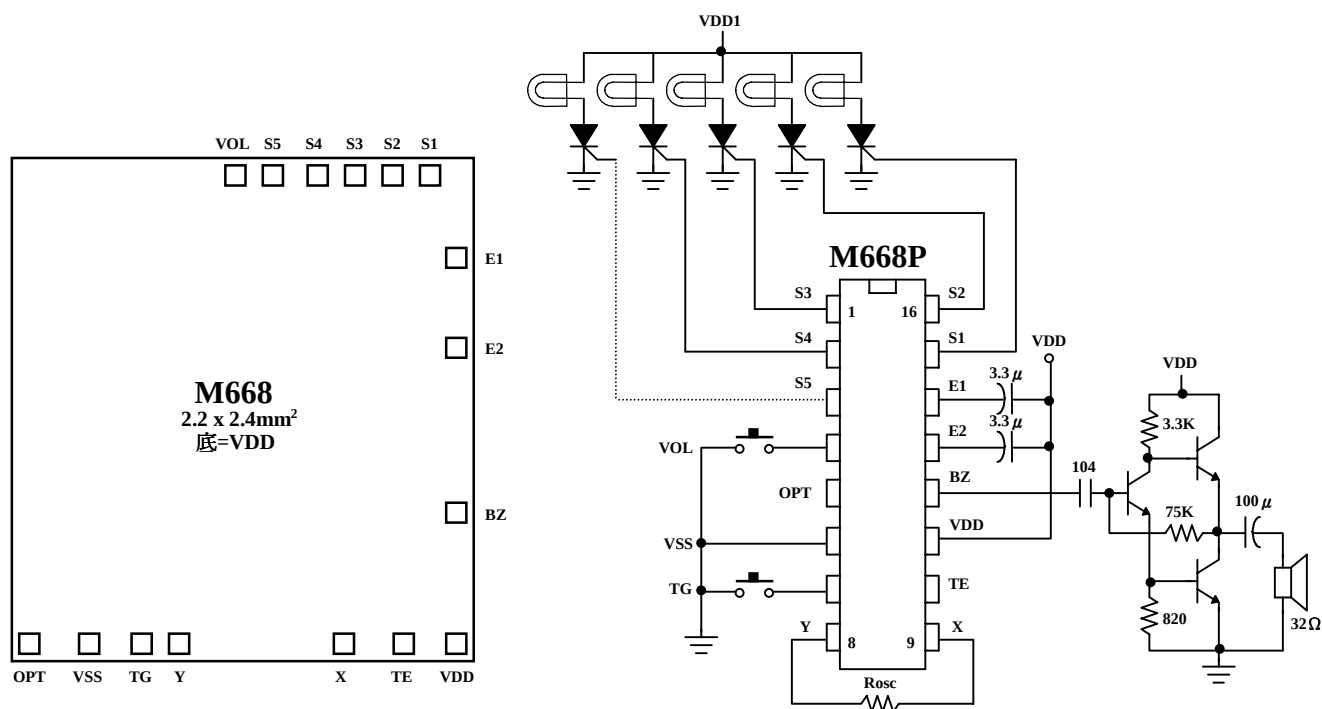
- Xmas light control etc..

ELECTRICAL CHARACTERISTICS 電氣規格

(@V_{DD}=4.3V unless otherwise specified)

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作電壓 Operating Voltage	V _{DD}	—	4.3	5	V	
工作電流 Operating Current	I _{OP}	—	—	2	mA	No load
靜態電流 Quiescent Current	I _{SB}	—	—	—	μA	
推動電流 BZ Driving Current	I _{OH}	—	0.2	—	mA	@ V _{DS} =1V
振盪頻率 Oscillator Frequency	F _{OSC}	—	100	—	KHz	External± 30%, Rosc=270KΩ
工作溫度 Operating Temperature	Temp.	0	25	60	°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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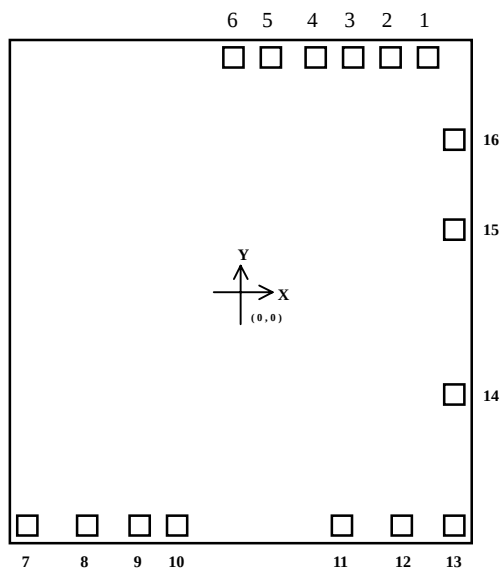
MODE FORMAT

MODE	MODE 0	MODE 1	
	LIGHT	LIGHT	VOLUME
M1	同時	同時	大
M2	2 組交替	2 組交替	中
M3	1 燈跑馬	1 燈跑馬	小
M4	2 燈跑馬	循環	大
M5	M1~M4 循環	同時+2 燈跑馬	中
M6	M1~M4 循環	2 組交替+1 燈跑馬	小
M7	全亮	循環	靜音
M8		全亮	

SONG LIST

- Angels we have heard on high
- Silent night
- Away in a manger
- We three king of orient are
- Jingle bells
- We wish you a merry Christmas
- The twelve days of Christmas
- Up on the housetop
- Jolly old saint nickel
- Good king wencelas
- O come, all ye faithful
- Joy to the world
- It came upon the midnight clear
- Santa Claus is coming to down
- O Christmas tree
- Rudolph, the red-nosed reindeer
- What child is this
- I saw three ships
- O litter town of Bethlehem
- God rest you merry, gentlemen hark
- Deck the halls
- The herald angels sing
- The snow lay on the ground
- Bring a torch
- The first noel

PAD ASSIGNMENT & POSITION



UNIT : um			
No.	PAD	X	Y
1	S1	822	982.5
2	S2	662.25	982.5
3	S3	502.5	982.5
4	S4	343.5	982.5
5	S5	157.5	982.5
6	VOL	0.75	981
7	MODE	-900	-982.5
8	VSS	-650.25	-982.5
9	TG	-425.25	-982.5
10	Y	-261	-982.5
11	X	422.25	-982.5
12	TEST	675.75	-982.5
13	VDD	900	-982.5
14	BZ	900	-437.25
15	E2	900	255
16	E1	900	630

* IC CHIP ~ 2.2 x 2.4 mm², substrate to VDD.

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