



TAIPEI : TEL : 886-2- 22783733
FAX : 886-2- 22783633
H.K. : TEL : 852- 27569109
FAX : 852- 27566961

32 PATTERN

VISION PERSISTENCE

闪烁图案 IC

LED FLASH	
M1170-1	

FEATURES 功能叙述

- 1 KEY 6 LED 32 patterns.
- OPT : ON/OFF, LH, Sequence.

MODE	OPT
ON/OFF	VSS
LH	X
SEQ	VDD

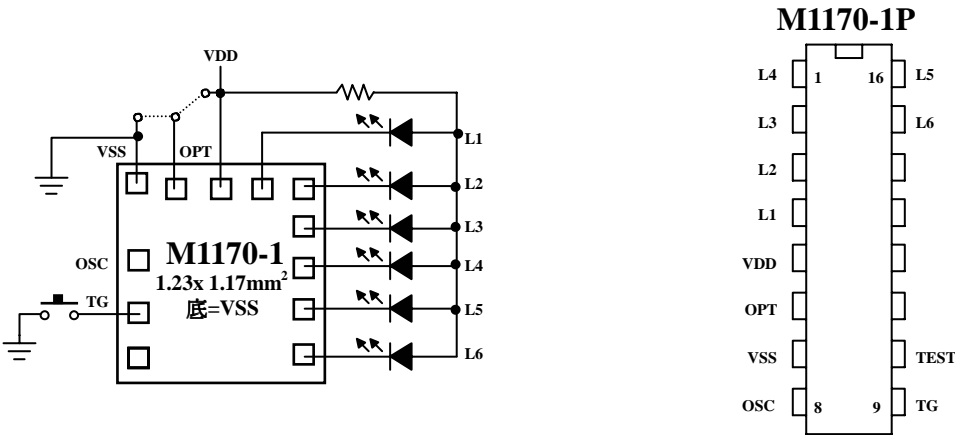
APPLICATION 产品应用

- Blinking LED, Functions indicator, Xmas decoration.

ELECTRICAL CHARACTERISTICS 电气规格 (@V_{DD}=3V unless otherwise specified)

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作电压 Operating Voltage	V _{DD}	2	3	5	V	
工作电流 Operating Current	I _{OP}	96	120	144	μ A	
静态电流 Quiescent Current	I _{SB}	—	1	5	μ A	
推动电流 Driving Current	I _{OL}	4	—	—	mA	@ V _{DS} =1.2V
工作温度 Operating Temperature	Temp.	0	25	60	℃	

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)



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MOSDESIGN SEMICONDUCTOR CORP.

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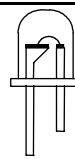
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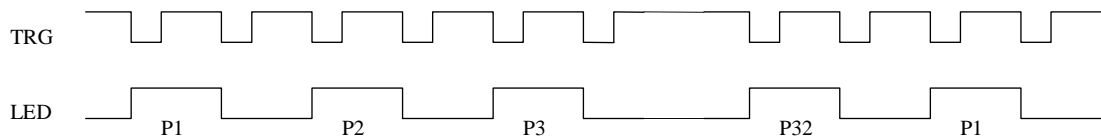
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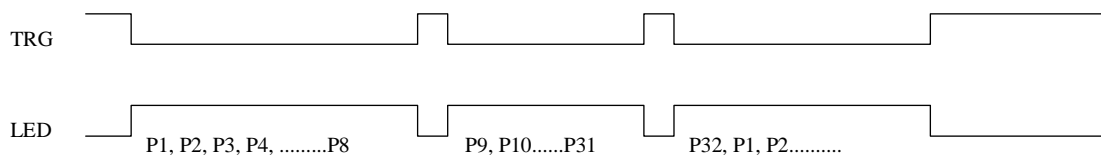


TIMING DIAGRAM (DEBOUNCE TIME—1MS)

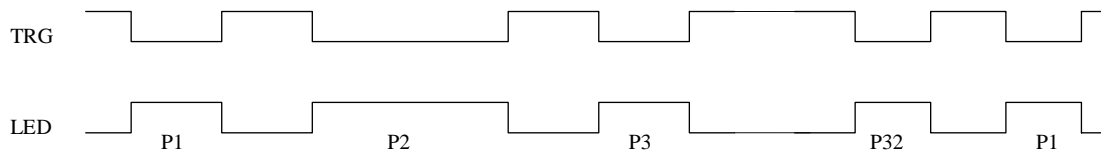
1. ON/OFF (OPT=VSS)



2. LH (OPT=X)



3. SWQ (OPT=VDD)





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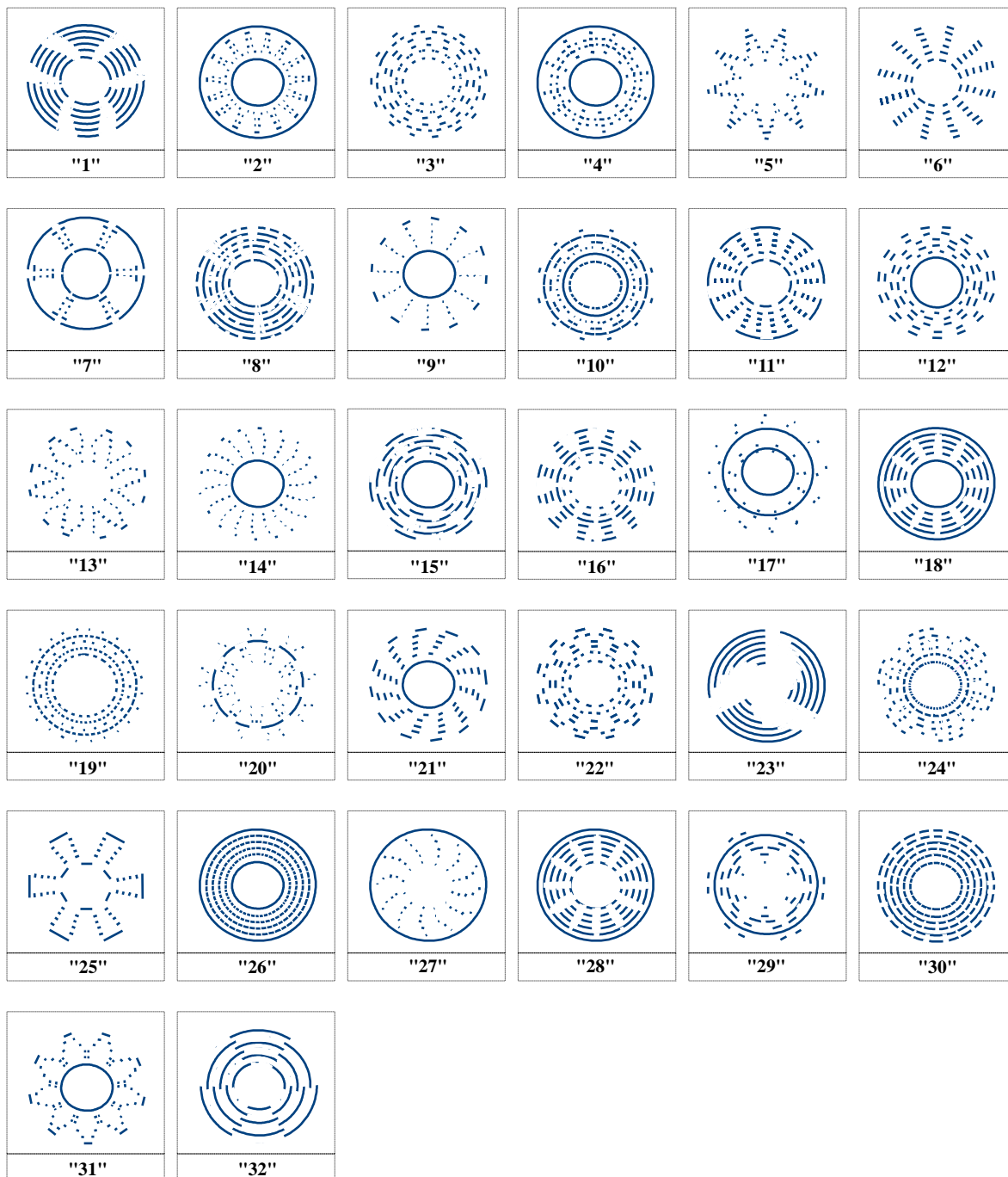
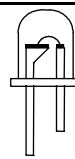
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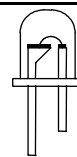
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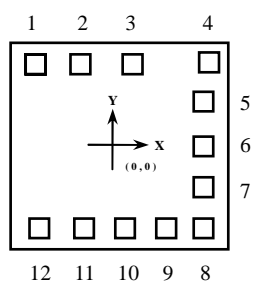
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PAD ASSIGNMENT & POSITION



UNIT : μm

No.	NAME	X	Y
1	TEST	408.4	376.7
2	TG	-191.1	376.7
3	OSC	76.9	376.7
4	VSS	466.8	426.6
5	OPT	416.9	246.6
6	VDD	419.9	29.3
7	L1	416.9	-177.4
8	L2	416.9	-384.1
9	L3	238.4	-384.1
10	L4	31.7	-384.1
11	L5	-175	-384.1
12	L6	-381.7	-384.1

* CHIP SIZE $\sim 1.23 \times 1.17 \text{ mm}^2$

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