一華半導體股份有限公司
MOSDESIGN SEMICONDUCTOR CORP.

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EN/DECODER	
M1EA/DA	EN/DE 編/解碼

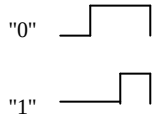
SAME Rosc in EN/DE
S.O.DIP

使用同一電阻

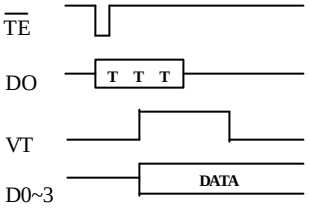
FEATURES 功能敘述

- Momentary DATA — suffix-M.
- S.O.Package 18P — suffix-S.
- Direct Data Transmit — suffix-H : switch to VDD.

BIT FORMAT



PROTOCOL



APPLICATION 產品應用

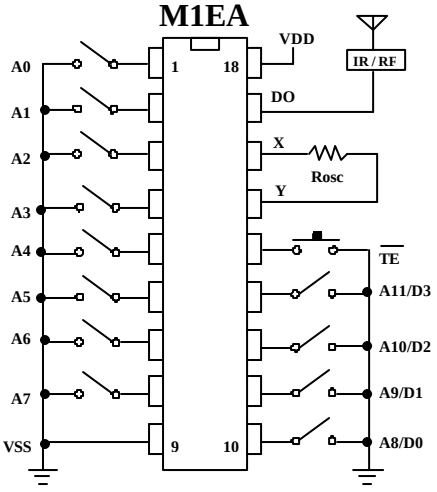
- Security alarm, Remote control. **防盜系統, 任何遙控裝置.**

ELECTRICAL CHARACTERISTICS 電氣規格

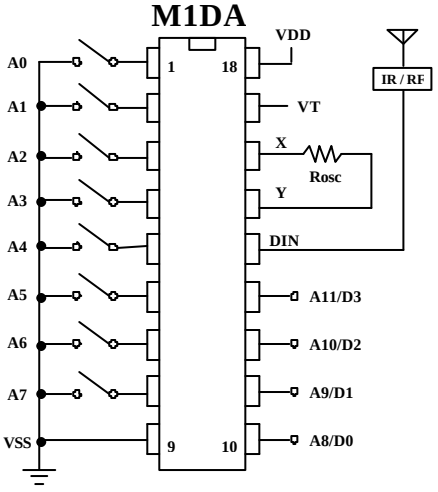
Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作電壓 Operating Voltage	V_{DD}	2.4	—	13	V	
工作電流 Operating Current	I_{OP}	—	0.1	1	mA	No load
靜態電流 Quiescent Current	I_{SB}	—	1	10	uA	
推動電流 Driving Current	I_{OL}	—	2	—	mA	@ V_{DS}=1.2V
振盪頻率 Oscillator Frequency	F_{OSC}	—	76	—	KHz	External±30%
工作溫度 Operating Temperature	Temp.	-20	25	60	℃	

APPLICATION DIAGRAM 參考電路圖

M1EA



M1DA



* Rosc~M1EA : 270 KΩ, M1DA : 270 KΩ
* 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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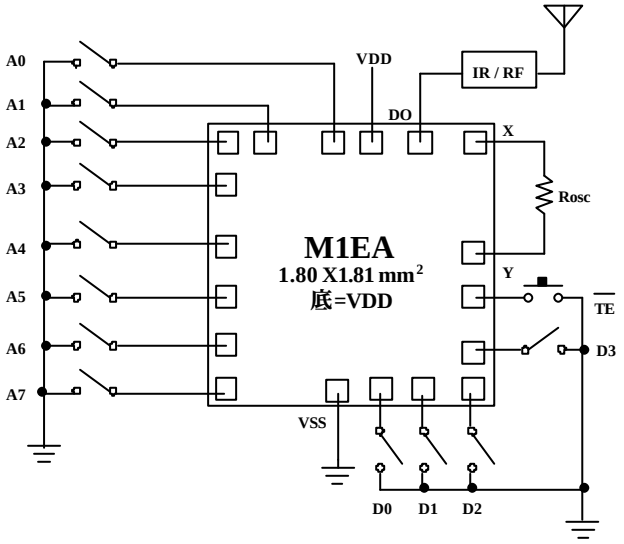
EN/DECODER	
M1EA/DA	EN/DE 編/解碼

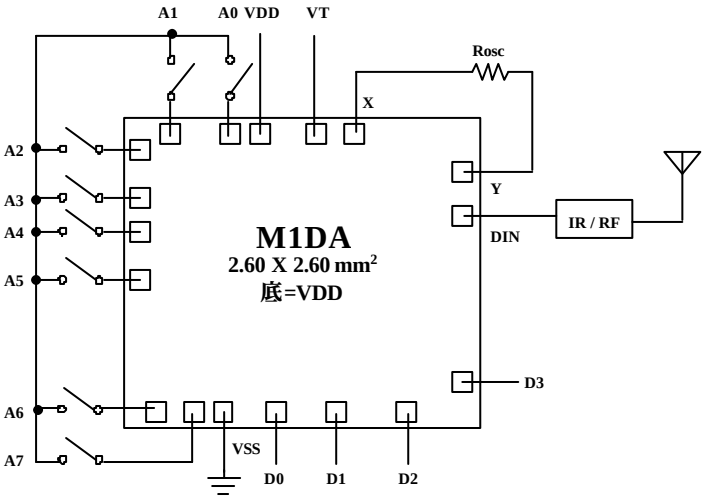
SAME Rosc in EN/DE
S.O.DIP

使用同一電阻

APPLICATION DIAGRAM 參考電路圖

CHIP FORM





* Rosc~M1EA : 270 KΩ, M1DA : 270 KΩ
* 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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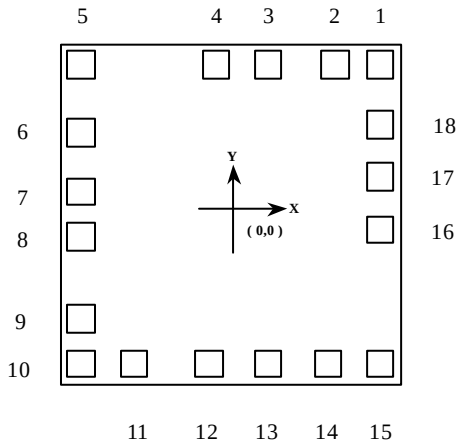
EN/DECODER	
M1EA/DA	EN/DE 編/解碼

SAME Rosc in EN/DE
S.O.DIP

使用同一電阻

PAD ASSIGNMENT & POSITION

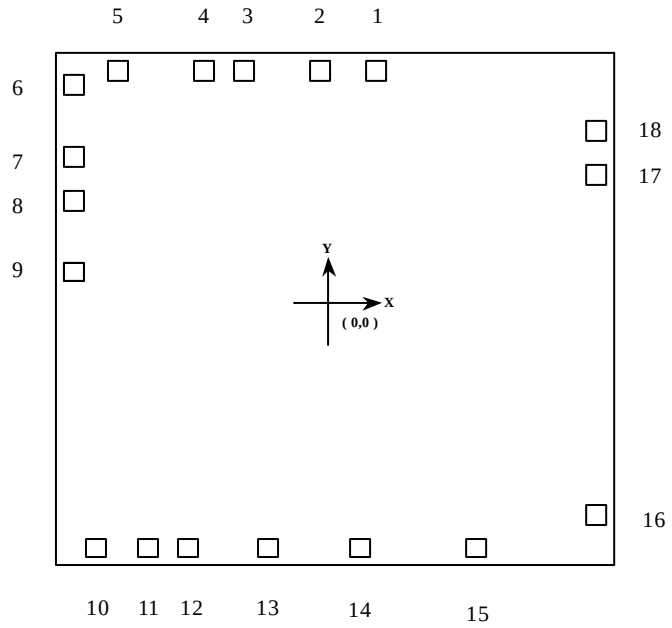
M1EA：



UNIT : um

No.	NAME	X	Y
1	A10 / D2	728	732.5
2	A11 / D3	528	732.5
3	TEB	211	732.5
4	Y	-31.5	732.5
5	X	-728.5	732.5
6	DOUT	-728.5	376.5
7	VDD	-728.5	36
8	A0	-728.5	-164
9	A1	-728.5	-533
10	A2	-728.5	-733
11	A3	-480.5	-733
12	A4	-101	-733
13	A5	184	-733
14	A6	480	-733
15	A7	728	-733
16	VSS	728	-66
17	A8 / D0	728	183
18	A9 / D1	728	431.5

M1DA：



UNIT : um

No.	NAME	X	Y
1	X	259.5	1096.5
2	VT	-9.5	1096.5
3	VDD	-347	1096.5
4	A0	-547	1096.5
5	A1	-950	1096.5
6	A2	-1150	1025
7	A3	-1150	702
8	A4	-1150	502
9	A5	-1150	179
10	A6	-1043	-1100
11	A7	-799.5	-1100
12	VSS	-599.5	-1100
13	A8 / D0	-251	-1100
14	A9 / D1	169	-1100
15	A10 / D2	696	-1100
16	A11 / D3	1145.5	-946
17	DIN	1086	590
18	Y	1086	790

* M1EA CHIP SIZE ~ 1.80 X 1.81 mm^2
* M1DA CHIP SIZE ~ 2.60 X 2.60 mm^2
* IC substrate should be connected to VDD in PCB (PCB 上 IC **必須接** VDD)