

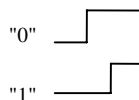
2 STATES EN/DECODER

2 态编/解码 IC

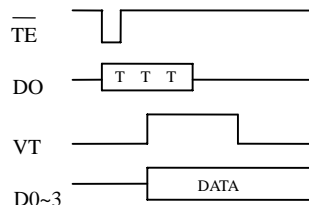
FEATURES 功能叙述

- M1DA: Momentary DATA — suffix-M.
- M1EN: Direct DATA transmit — suffix-H.
- S.O.Package 18P — suffix-S.

BIT FORMAT



PROTOCOL



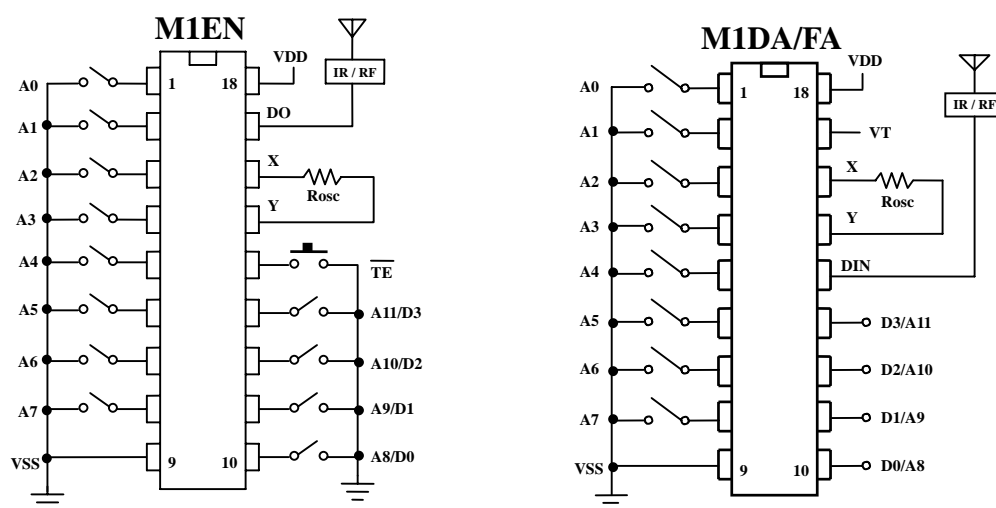
APPLICATION 产品应用

- Security alarm, Remote control. 防盗系统, 任何遥控装置.

ELECTRICAL CHARACTERISTICS 电气规格

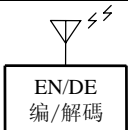
| Characteristics | Sym. | Min. | Typ. | Max. | Unit | REMARKS |
|----------------------------|-----------|------|------|------|-------------|---------------------|
| 工作电压 Operating Voltage | V_{DD} | 2.4 | — | 12 | V | |
| 工作电流 Operating Current | I_{OP} | — | 0.1 | 1 | mA | No load |
| 静态电流 Quiescent Current | I_{SB} | — | 0.1 | 0.5 | μA | |
| 推动电流 Driving Current | I_{OL} | — | 2 | — | mA | @ $V_{DS}=1.2V$ |
| 振荡频率 Oscillator Frequency | F_{OSC} | — | 76 | — | KHz | External $\pm 30\%$ |
| 工作温度 Operating Temperature | Temp. | -20 | 25 | 70 | $^{\circ}C$ | |

APPLICATION DIAGRAM 参考电路图



* Rosc: M1EN=220K Ω ; M1DA/FA=270 K Ω



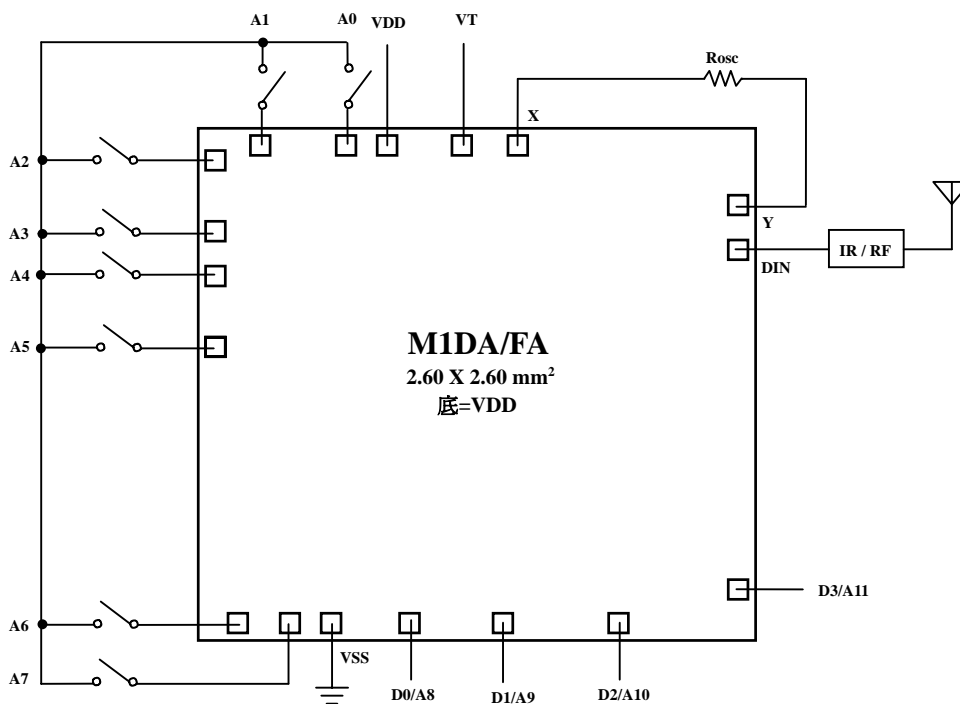
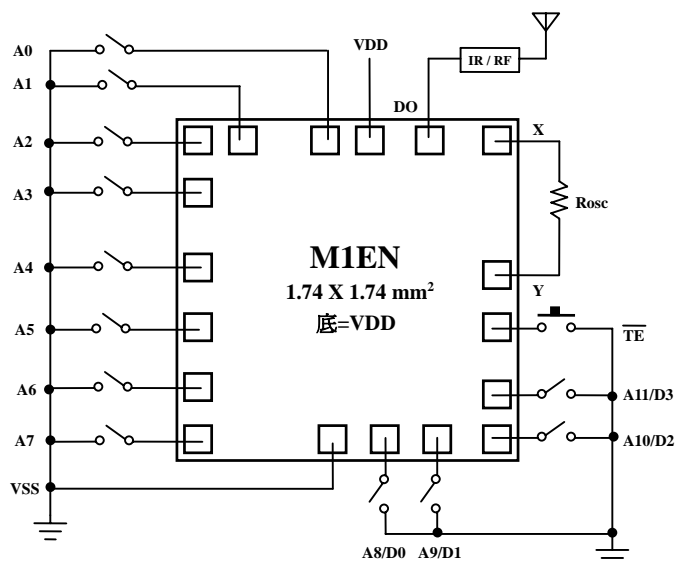
| | |
|--------------|---|
| EN/DECODER |  |
| M1EN/M1DA/FA | |

2 STATES EN/DECODER

2 态 编 / 解 碼 IC

APPLICATION DIAGRAM 参考电路图

* CHIP FORM



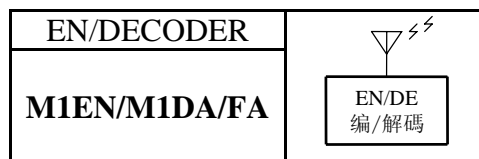
* Rosc: M1EN=220K Ω ; M1DA/FA=270 K Ω

* 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)

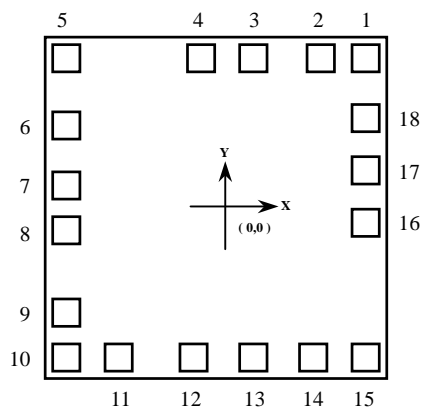
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PAD ASSIGNMENT & POSITION

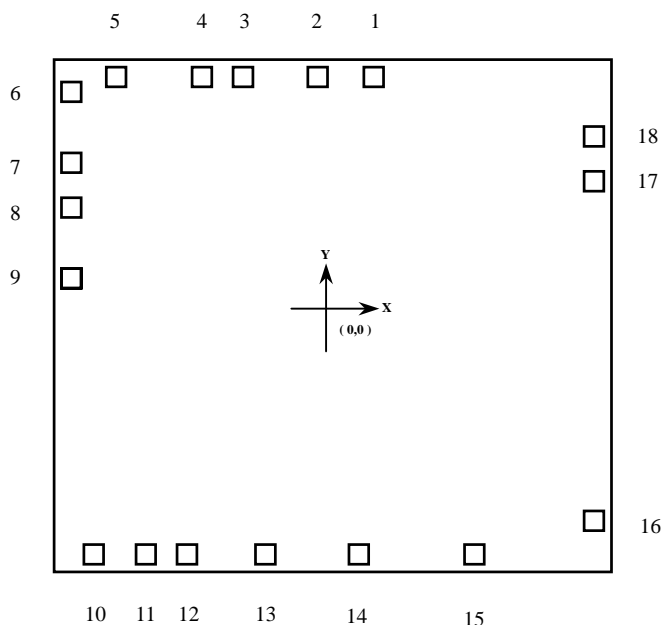
M1EN:



UNIT : um

| No. | NAME | X | Y |
|-----|------|--------|-------|
| 1 | A10 | 728.5 | 732.5 |
| 2 | A11 | 528.5 | 732.5 |
| 3 | TEB | 211.5 | 732.5 |
| 4 | Y | -31 | 732.5 |
| 5 | X | -728 | 732.5 |
| 6 | DO | -728 | 376.5 |
| 7 | VDD | -728 | 36 |
| 8 | A0 | -728 | -164 |
| 9 | A1 | -728 | -533 |
| 10 | A2 | -728 | -733 |
| 11 | A3 | -480 | -733 |
| 12 | A4 | -100.5 | -733 |
| 13 | A5 | 184.5 | -733 |
| 14 | A6 | 480.5 | -733 |
| 15 | A7 | 728.5 | -733 |
| 16 | VSS | 728.5 | -66 |
| 17 | A8 | 728.5 | 183 |
| 18 | A9 | 728.5 | 431.5 |

M1DA/FA:



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 |

* M1EN CHIP SIZE ~ 1.74 x 1.74 mm²

* M1DA/FA CHIP SIZE ~ 2.60 X 2.60 mm²

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