



## Description

PT2271A is a remote control decoder paired with PT2261A utilizing CMOS Technology. It has 12 bits of two-state address pins providing a maximum of 4096 (or  $2^{12}$ ) address codes; thereby, drastically reducing any code collision and unauthorized code scanning possibilities. PT2271A is available in several options to suit every application need : variable number of data output pins, latch or momentary output type.

## Features

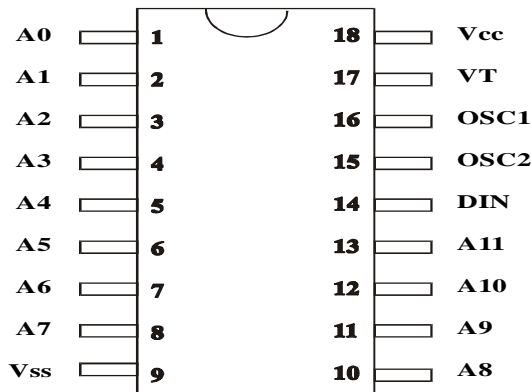
- CMOS Technology
- Low Power Consumption
- Very High Noise Immunity
- Up to 12 Two-State Code Address Pins
- Up to 6 Data Pins
- Wide Range of Operating Voltage:  $V_{cc} = 4 \sim 15$  Volts
- Single Resistor Oscillator
- Latch or Momentary Output Type
- Available in DIP and SO Package

## Applications

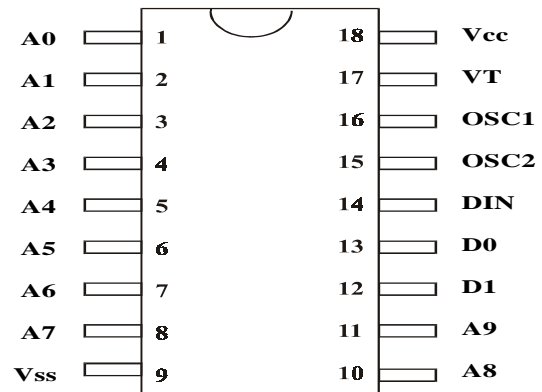
- Car Security System
- Garage Door Controller
- Remote Control Fan
- Home Security/Automation System
- Remote Control Toys
- Remote Control for Industrial Use



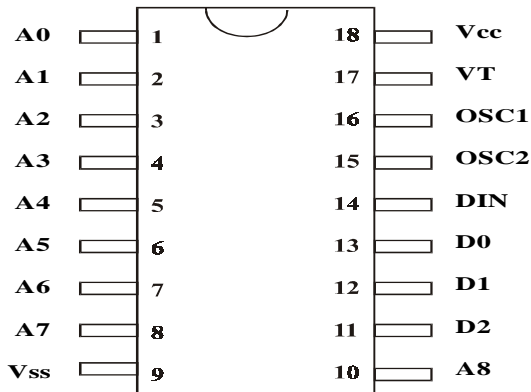
# Pin Configuration



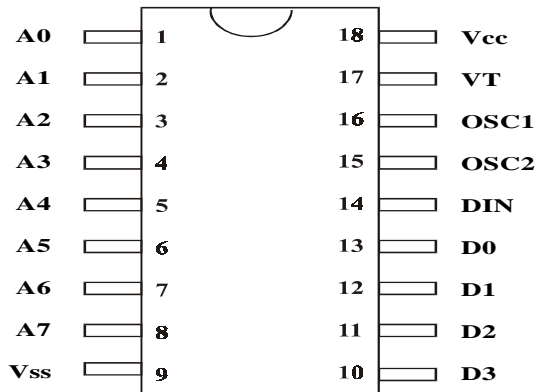
**PT2271A**



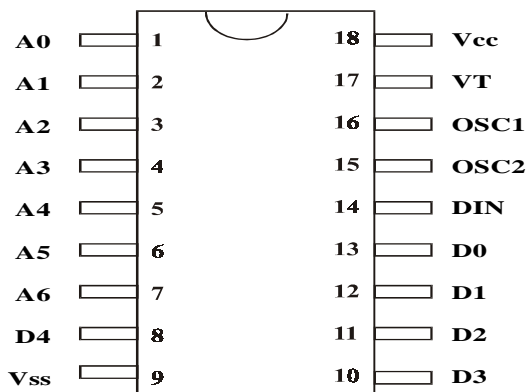
**PT2271A - M2/L2**



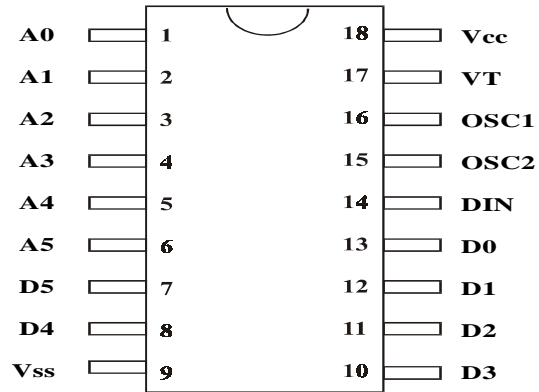
**PT2271A - M3/L3**



**PT2271A - M4/L4**



**PT2271A - M5/L5**

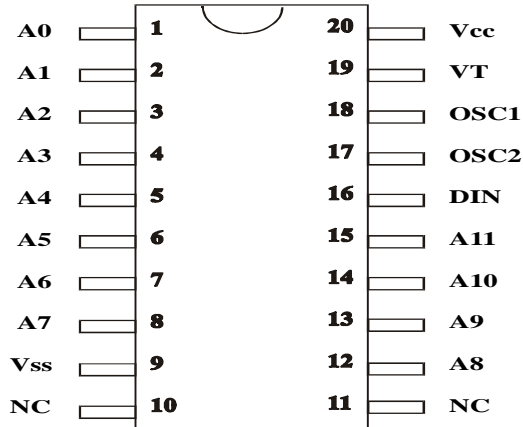


**PT2271A - M6/L6**

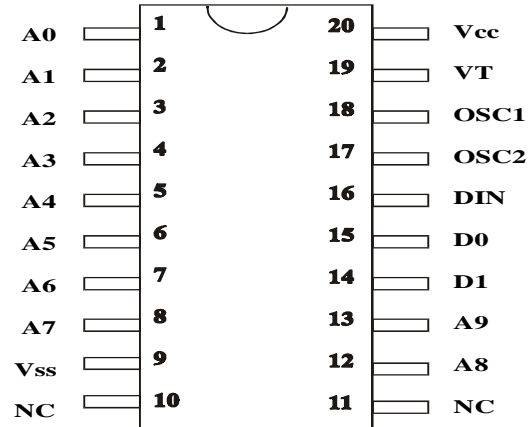


Remote Control Decoder

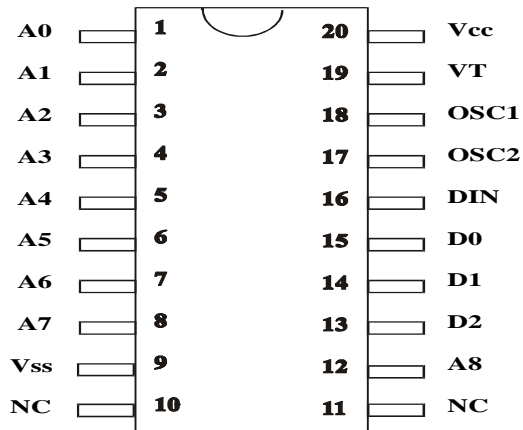
PT2271A



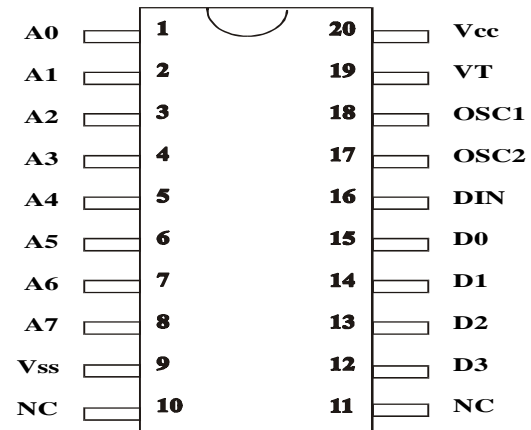
PT2271A (20 Pins)



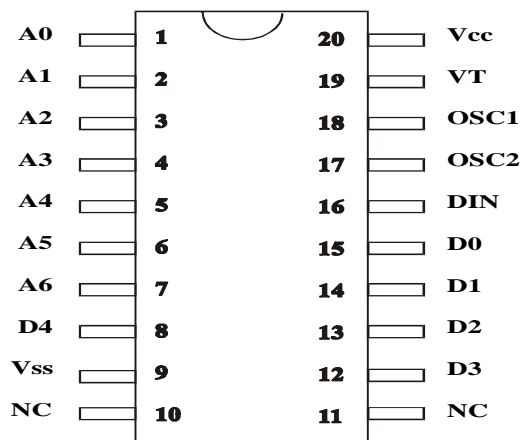
PT2271A - M2/L2 (20 Pins)



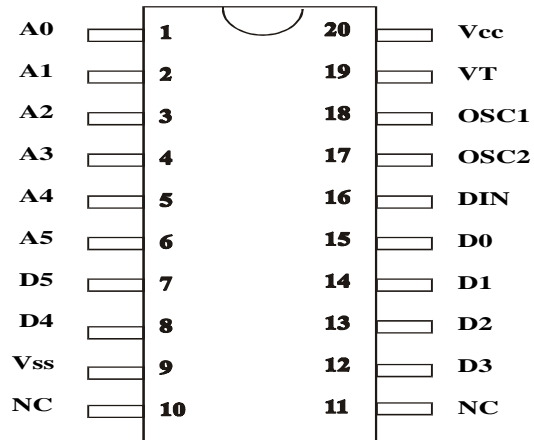
PT2271A - M3/L3 (20 Pins)



PT2271A - M4/L4 (20 Pins)



PT2271A - M5/L5 (20 Pins)



PT2271A - M6/L6 (20 Pins)





## Ordering Information

### A. 18-Pin Package:

| Part No.          | Data Bit(s) | Output Type | Package  |
|-------------------|-------------|-------------|----------|
| PT2271A (-S18)    | None        | *           | DIP (SO) |
| PT2271A-L2 (-S18) | 2           | Latch       | DIP (SO) |
| PT2271A-M2 (-S18) | 2           | Momentary   | DIP (SO) |
| PT2271A-L3 (-S18) | 3           | Latch       | DIP (SO) |
| PT2271A-M3 (-S18) | 3           | Momentary   | DIP (SO) |
| PT2271A-L4 (-S18) | 4           | Latch       | DIP (SO) |
| PT2271A-M4 (-S18) | 4           | Momentary   | DIP (SO) |
| PT2271A-L5 (-S18) | 5           | Latch       | DIP (SO) |
| PT2271A-M5 (-S18) | 5           | Momentary   | DIP (SO) |
| PT2271A-L6 (-S18) | 6           | Latch       | DIP (SO) |
| PT2271A-M6 (-S18) | 6           | Momentary   | DIP (SO) |

### B. 20-Pin Package

| Part No.    | Data Bit(s) | Output Type | Package |
|-------------|-------------|-------------|---------|
| PT2271A-S   | None        | *           | SO      |
| PT2271A-L2S | 2           | Latch       | SO      |
| PT2271A-M2S | 2           | Momentary   | SO      |
| PT2271A-L3S | 3           | Latch       | SO      |
| PT2271A-M3S | 3           | Momentary   | SO      |
| PT2271A-L4S | 4           | Latch       | SO      |
| PT2271A-M4S | 4           | Momentary   | SO      |
| PT2271A-L5S | 5           | Latch       | SO      |
| PT2271A-M5S | 5           | Momentary   | SO      |
| PT2271A-L6S | 6           | Latch       | SO      |
| PT2271A-M6S | 6           | Momentary   | SO      |

Note: \* = use VT (Valid Transmission)



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Remote Control Decoder

PT2271A

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PT 2271A - X X X

