Princeton Technology Corp.
Tel: 886-2-29162151
Fax: 886-2-29174598
URL: *http://www.princeton.com.tw*

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

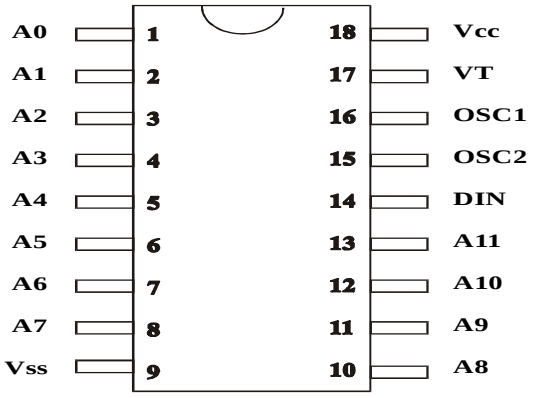
- ❒ CMOS Technology
- ❒ Low Power Consumption
- ❒ Very High Noise Immunity
- ❒ Up to 12 Two-State Code Address Pins
- ❒ Up to 6 Data Pins
- ❒ Wide Range of Operating Voltage: Vcc = 4 ~ 15 Volts
- ❒ Single Resistor Oscillator
- ❒ Latch or Momentary Output Type
- ❒ Available in DIP and SO Package

Applications

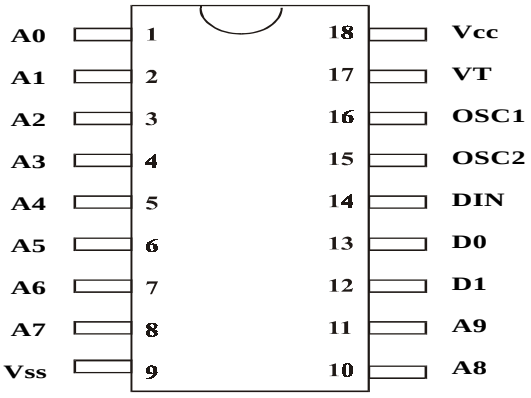
- ❒ Car Security System
- ❒ Garage Door Controller
- ❒ Remote Control Fan
- ❒ Home Security/Automation System
- ❒ Remote Control Toys
- ❒ Remote Control for Industrial Use

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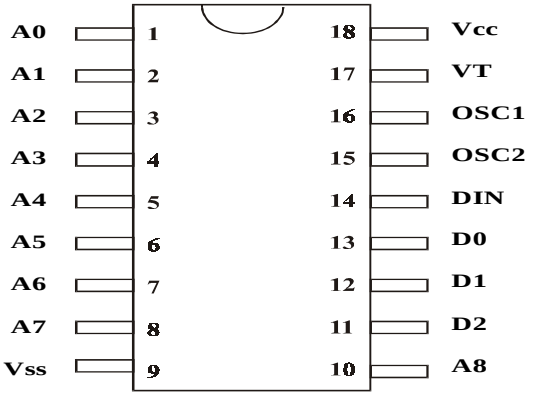
Pin Configuration



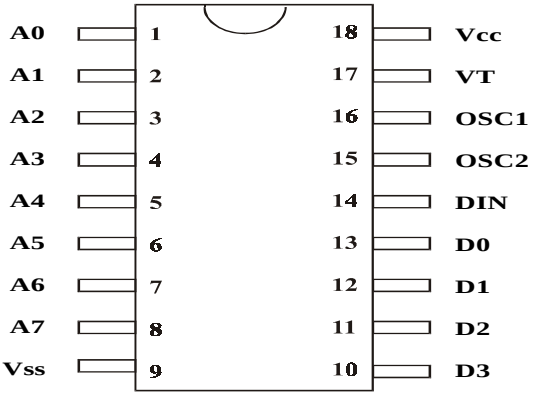
PT2271A



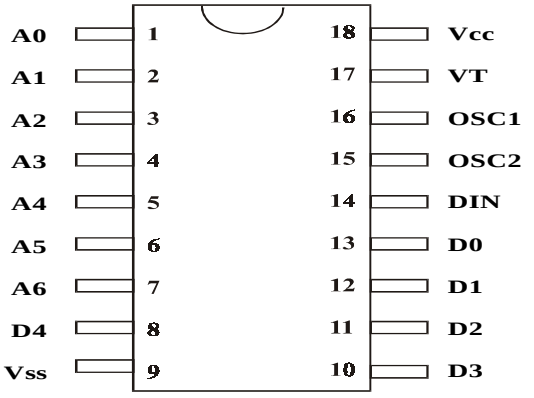
PT2271A - M2/L2



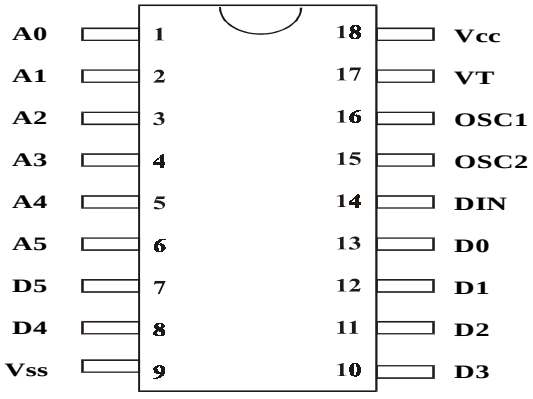
PT2271A - M3/L3



PT2271A - M4/L4

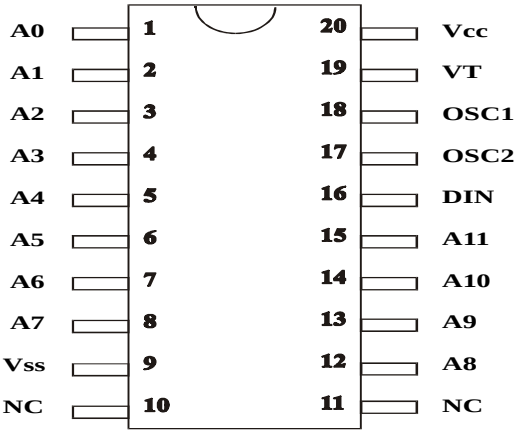


PT2271A - M5/L5

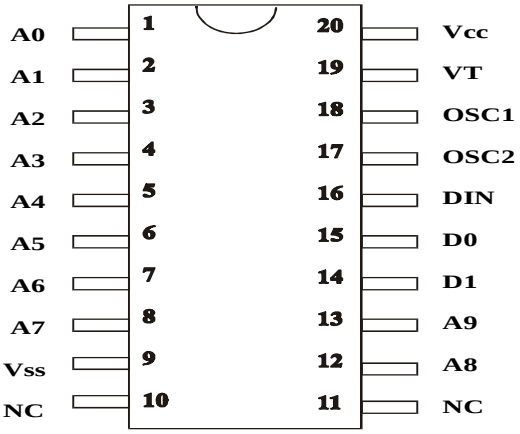


PT2271A - M6/L6

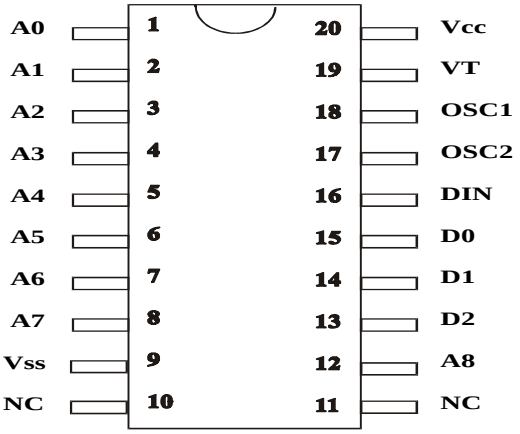
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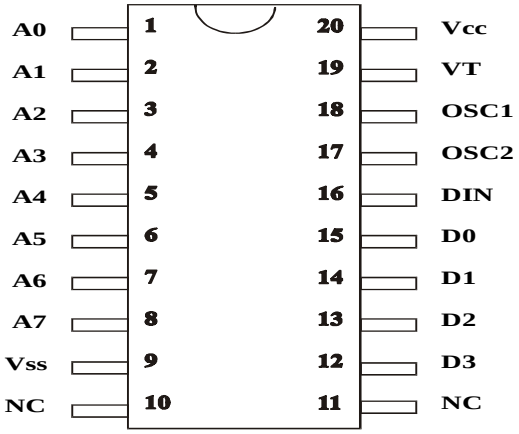
PT2271A (20 Pins)



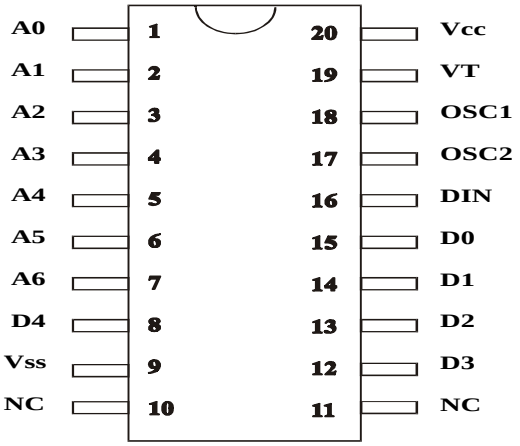
PT2271A - M2/L2 (20 Pins)



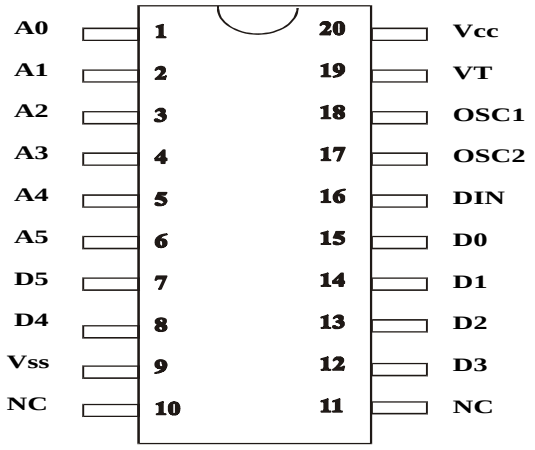
PT2271A - M3/L3 (20 Pins)



PT2271A - M4/L4 (20 Pins)



PT2271A - M5/L5 (20 Pins)

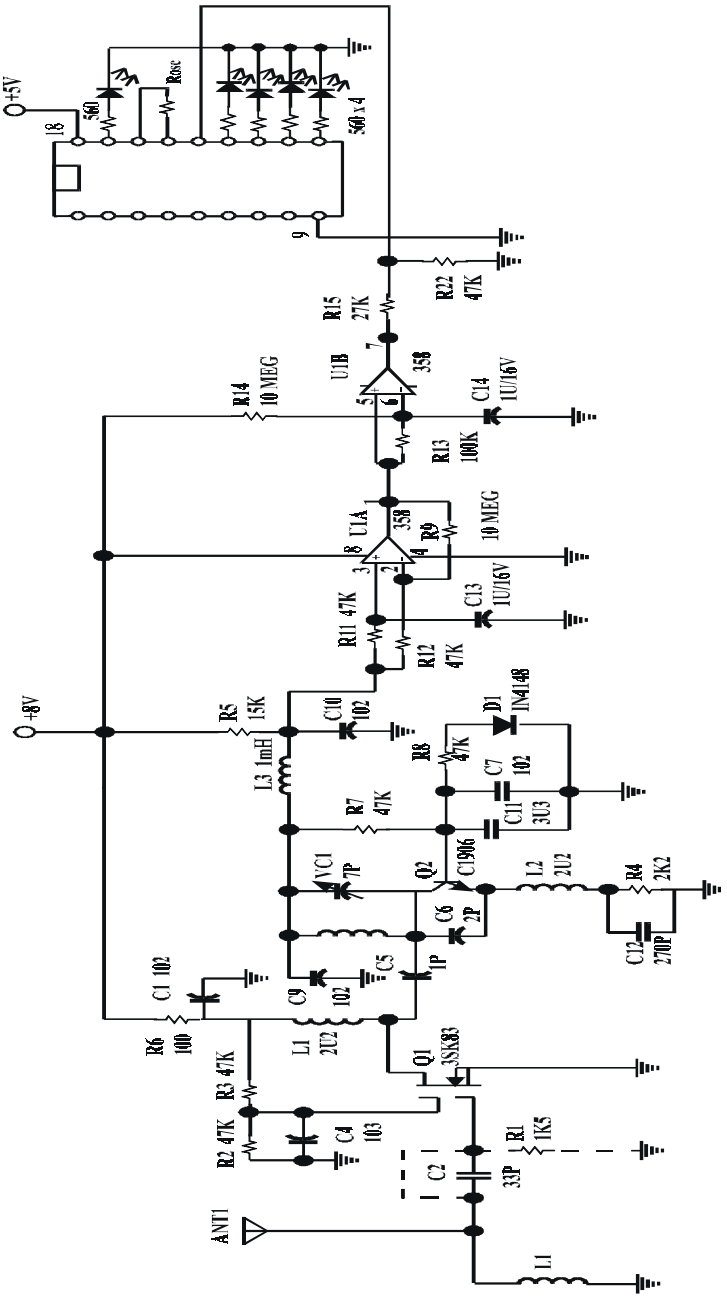


PT2271A - M6/L6 (20 Pins)

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Application Circuit

PT2271A (4 Data) Application Circuit



Note: If the Address Bit is "floating", the respective Code Bit will be set as "1".

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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PT 2271A - X X X

Package: P = PDIP, 18 Pins (can be omitted)
S18 = Small Outline, 18 Pins
S = Small Outline, 20 Pins

Data Bits: 0 = No Data Bit (can be omitted)
1 = 1 Data Bits
2 = 2 Data Bits
3 = 3 Data Bits
4 = 4 Data Bits
5 = 5 Data Bits
6 = 6 Data Bits

Data Output Type: L = Latch Type
M = Momentary Type

PTC Number

PTC Prefix