



## Description

PT2270 is a remote control decoder paired with PT2260 or PT2262 utilizing CMOS Technology. It has 12 bits of tri-state address pins providing a maximum of 531,441 (or  $3^{12}$ ) address codes; thereby drastically reducing any code collision and unauthorized code scanning possibilities. PT2270 is available in several options to suit every application needs : variable number of data output pins, latch or momentary output type.

When paired with PT2260, this encoder/decoder (PT2260 / PT2270) pair can operate at very wide temperature range ( $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$ ). *See also* PT2260 Product Specification Features. Thus, this very important feature enables your Encoder/Decoder to operate under the worst environmental condition.

## Features

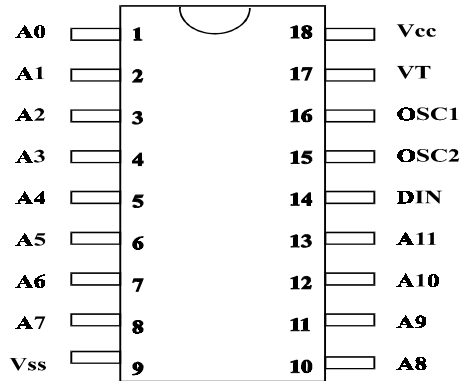
- CMOS Technology
- Low Power Consumption
- Very High Noise Immunity
- Up to 12 Tri-State Code Address Pins
- Up to 6 Data Pins
- Operating Voltage :  $V_{cc} = 2 \sim 10$  Volts
- Single Resistor Oscillator
- Latch or Momentary Output Type

## Applications

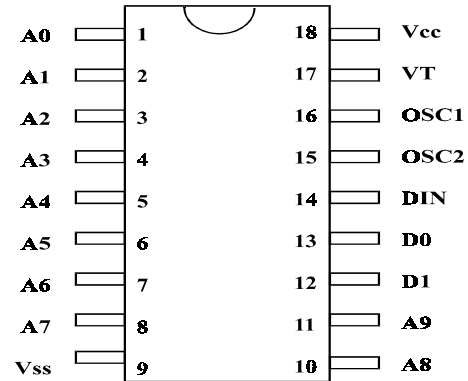
- Car Security System
- Garage Door Controller
- Remote Control Fan
- Home Security/Automation System
- Remote Control Toys
- Remote Control for Industrial Use



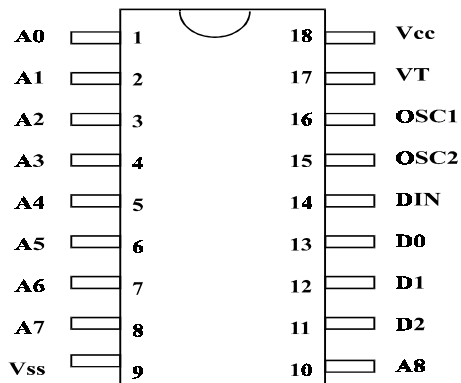
# Pin Configuration



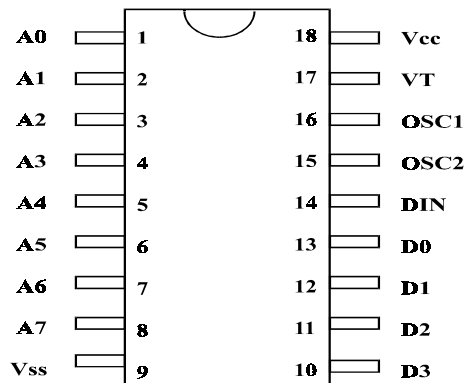
**PT 2270**



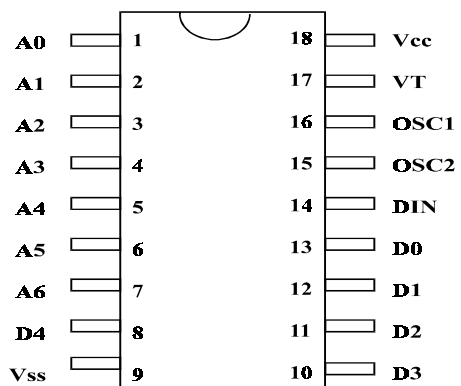
**PT 2270 - M2/L2**



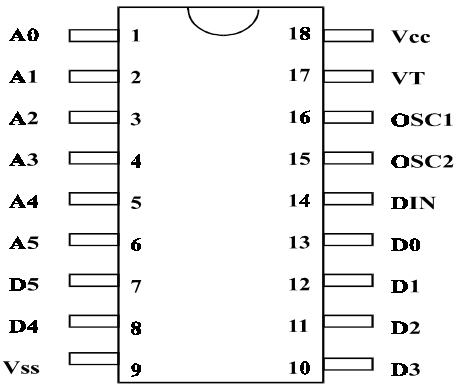
**PT 2270 - M3/L3**



**PT 2270 - M4/L4**



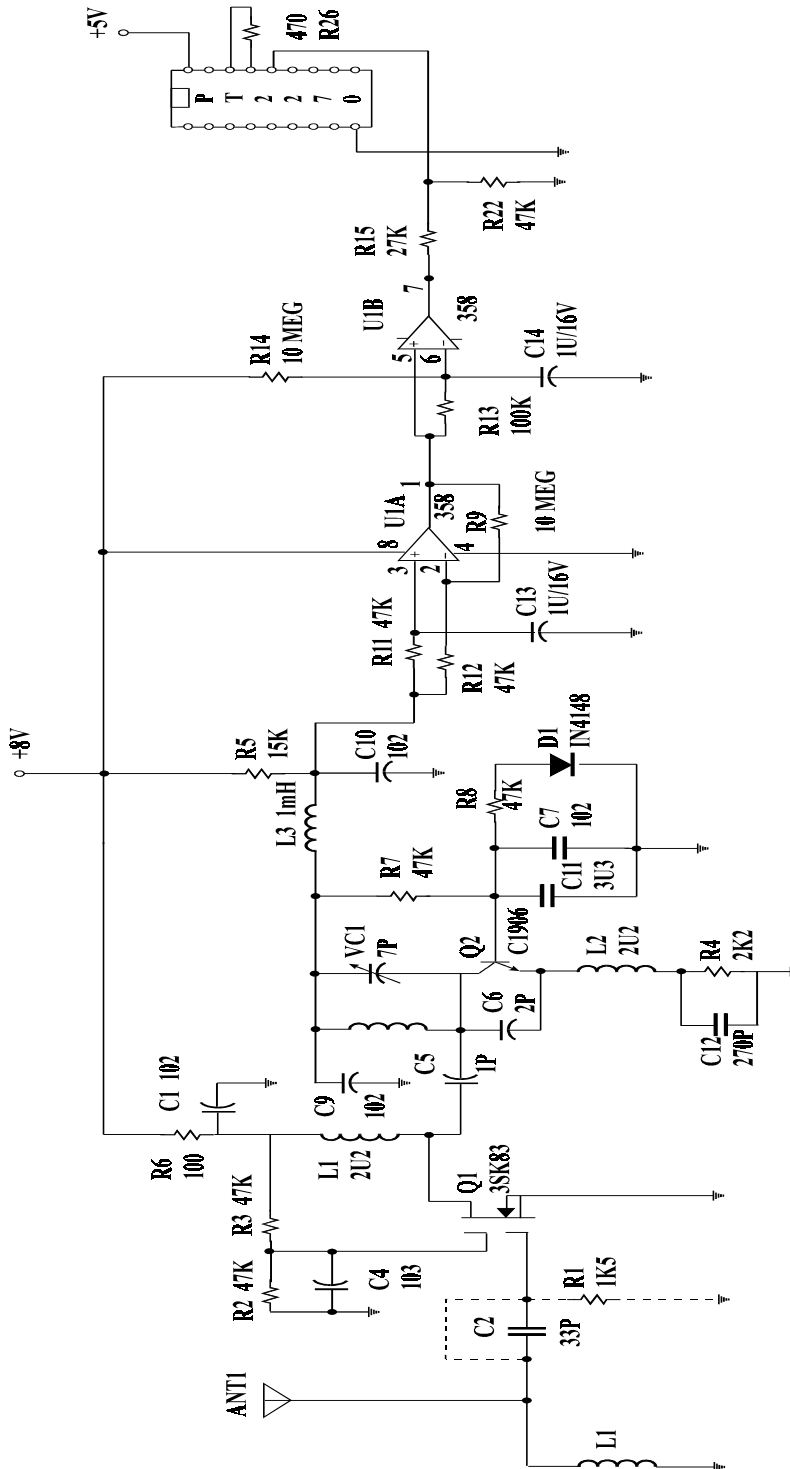
**PT 2270 - M5/L5**



**PT 2270 - M6/L6**



# Application Circuit





## Ordering Information

<b>Valid Part Number</b>	<b>Package</b>
PT2270 (-S)	18 Pins, DIP (SO)
PT2270-L2 (-S)	18 Pins, DIP (SO)
PT2270-M2 (-S)	18 Pins, DIP (SO)
PT2270-L3 (-S)	18 Pins, DIP (SO)
PT2270-M3 (-S)	18 Pins, DIP (SO)
PT2270-L4 (-S)	18 Pins, DIP (SO)
PT2270-M4 (-S)	18 Pins, DIP (SO)
PT2270-L5 (-S)	18 Pins, DIP (SO)
PT2270-M5 (-S)	18 Pins, DIP (SO)
PT2270-L6 (-S)	18 Pins, DIP (SO)
PT2270-M6 (-S)	18 Pins, DIP (SO)