



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 ($-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$). 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: $V_{CC}=2 \sim 10\text{V}$
- Single resistor oscillator
- Latch or momentary output type

APPLICATIONS

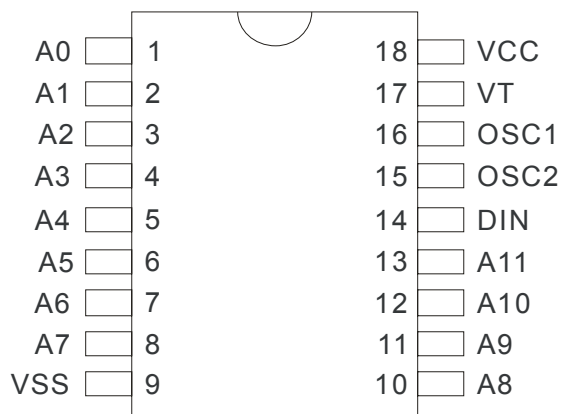
- Car security system
- Garage door controller
- Remote control fan
- Home security/Automation system
- Remote control toys
- Remote control for industrial use



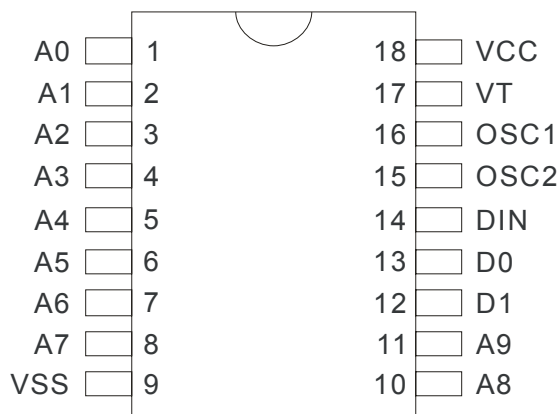
Remote Control Decoder IC

PT2270

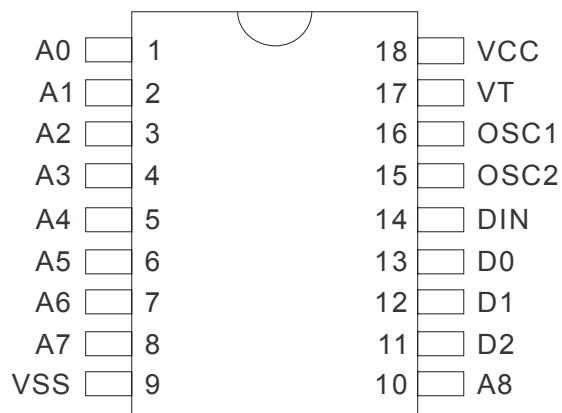
PIN CONFIGURATION



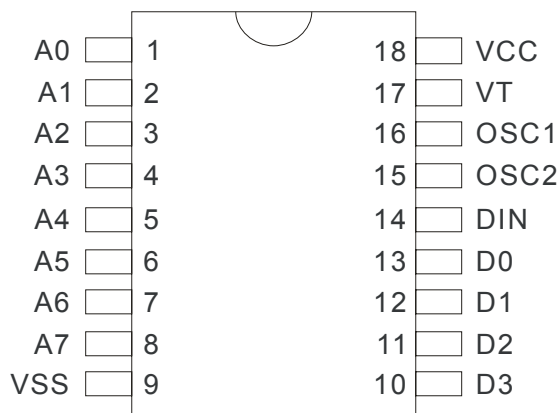
PT2270



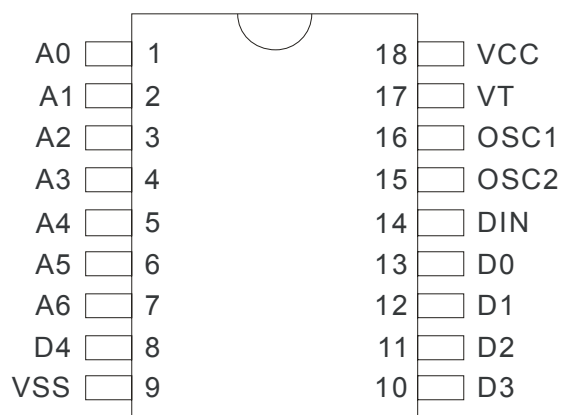
PT2270-M2/L2



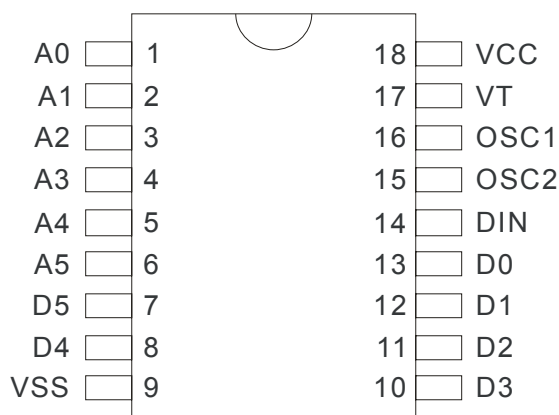
PT2270-M3/L3



PT2270-M4/L4



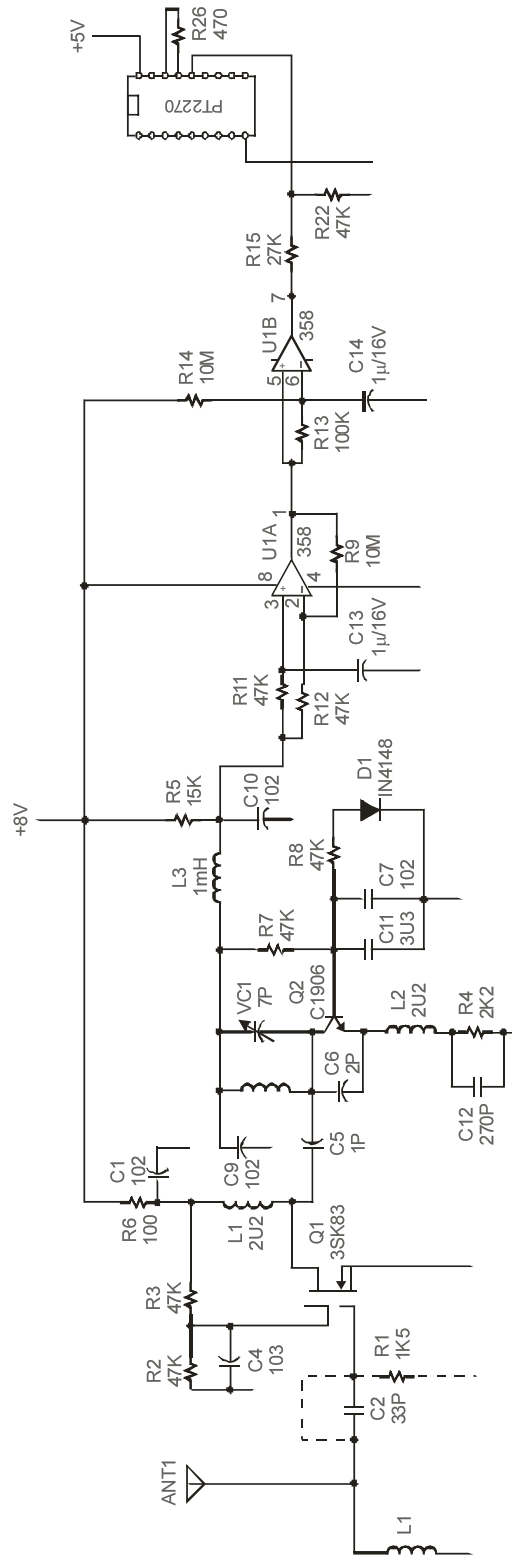
PT2270-M5/L5



PT2270-M6/L6



APPLICATION CIRCUIT





ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT2270 (L)	18 Pins, DIP, 300mil	PT2270
PT2270-L2 (L)	18 Pins, DIP, 300mil	PT2270-L2
PT2270-M2 (L)	18 Pins, DIP, 300mil	PT2270-M2
PT2270-L3 (L)	18 Pins, DIP, 300mil	PT2270-L3
PT2270-M3 (L)	18 Pins, DIP, 300mil	PT2270-M3
PT2270-L4 (L)	18 Pins, DIP, 300mil	PT2270-L4
PT2270-M4 (L)	18 Pins, DIP, 300mil	PT2270-M4
PT2270-L5 (L)	18 Pins, DIP, 300mil	PT2270-L5
PT2270-M5 (L)	18 Pins, DIP, 300mil	PT2270-M5
PT2270-L6 (L)	18 Pins, DIP, 300mil	PT2270-L6
PT2270-M6 (L)	18 Pins, DIP, 300mil	PT2270-M6
PT2270-S (L)	18 Pins, SOP, 300mil	PT2270-S
PT2270-L2S (L)	18 Pins, SOP, 300mil	PT2270-L2S
PT2270-M2S (L)	18 Pins, SOP, 300mil	PT2270-M2S
PT2270-L3S (L)	18 Pins, SOP, 300mil	PT2270-L3S
PT2270-M3S (L)	18 Pins, SOP, 300mil	PT2270-M3S
PT2270-L4S (L)	18 Pins, SOP, 300mil	PT2270-L4S
PT2270-M4S (L)	18 Pins, SOP, 300mil	PT2270-M4S
PT2270-L5S (L)	18 Pins, SOP, 300mil	PT2270-L5S
PT2270-M5S (L)	18 Pins, SOP, 300mil	PT2270-M5S
PT2270-L6S (L)	18 Pins, SOP, 300mil	PT2270-L6S
PT2270-M6S (L)	18 Pins, SOP, 300mil	PT2270-M6S

Notes:

1. (L), (C) or (S) = Lead Free.
2. The Lead Free mark is put in front of the date code.