Remote Control Decoder

PT 2272

## **Description**

PT 2272 is a remote control decoder paired with PT 2262 utilizing CMOS Technology. It has 12 bits of tri-state address pins providing a maximum of 531,441 (or 3<sup>12</sup>) address codes; thereby, drastically reducing any code collision and unauthorized code scanning possibilities. PT 2272 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 Tri-State Code Address Pins
	Up to 6 Data Pins
	Wide Range of Operating Voltage: $Vcc = 4 \sim 15 \text{ Volts}$
	Single Resistor Oscillator
	Latch or Momentary Output Type
	Available in DIP and SO Package
Λ	!!4!

## **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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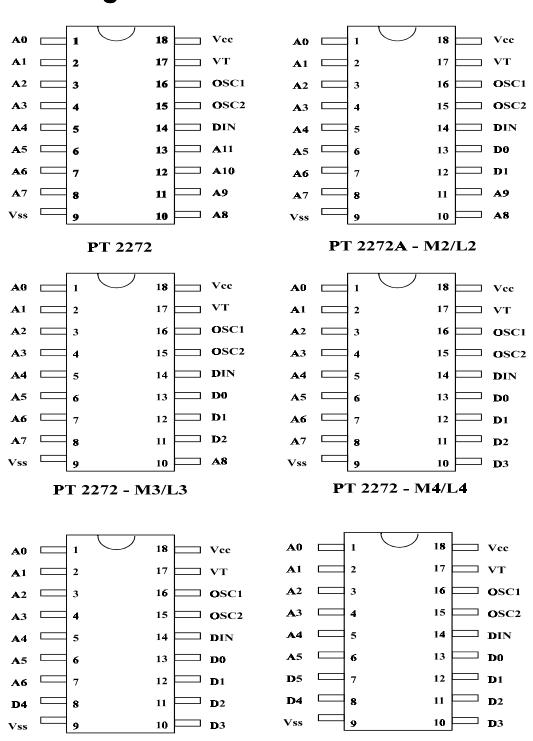
Tel: 886-2-29162151 Fax: 886-2-29174598

URL: http://www.princeton.com.tw

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# **Pin Configuration**



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PT 2272 - M6/L6

PT 2272 - M5/L5

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Vcc

VT

OSC1

OSC2

DIN

 $\mathbf{D0}$ 

D1

**A8** 

Vcc

 $\mathbf{V}\mathbf{T}$ 

OSC1

OSC2

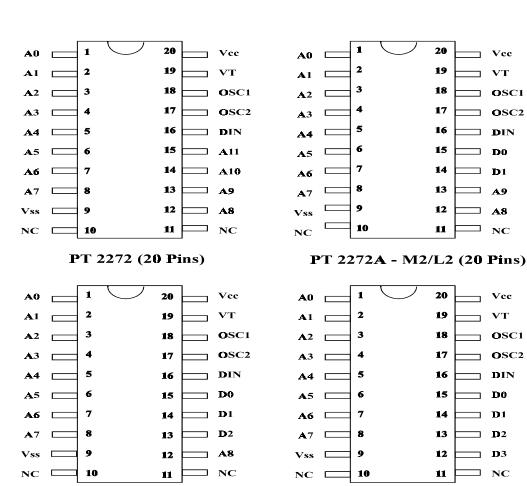
DIN

 $\mathbf{D0}$ 

 $\mathbf{D}\mathbf{1}$ 

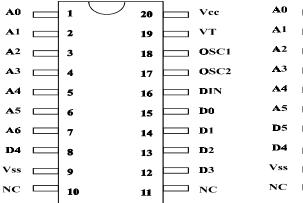
 $\mathbf{D2}$ 

 $\mathbf{D}3$ 

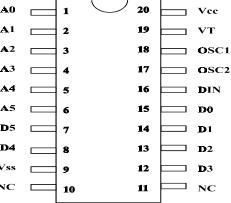


PT 2272 - M3/L3 (20 Pins)

PT 2272 - M4/L4 (20 Pins)



PT 2272 - M5/L5 (20 Pins)



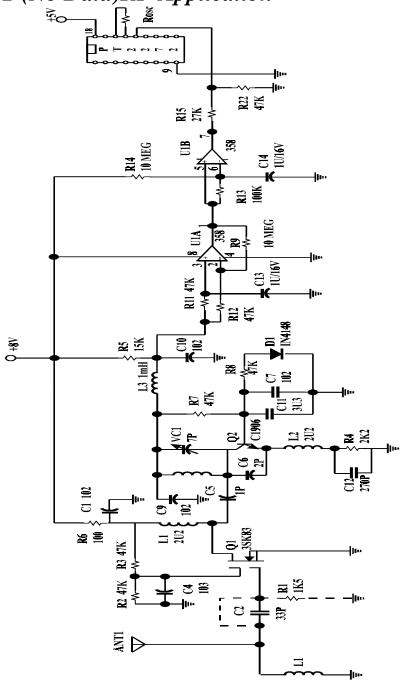
PT 2272 - M6/L6 (20 Pins)

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# **Application Circuits**

### PT2272 (No Data)RF Application

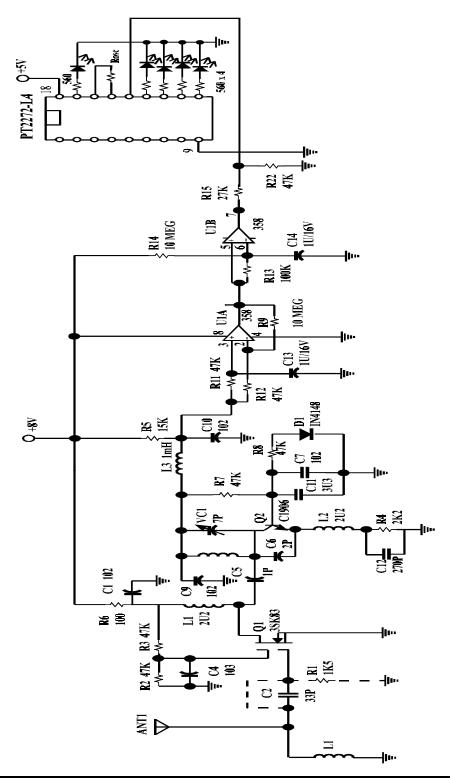


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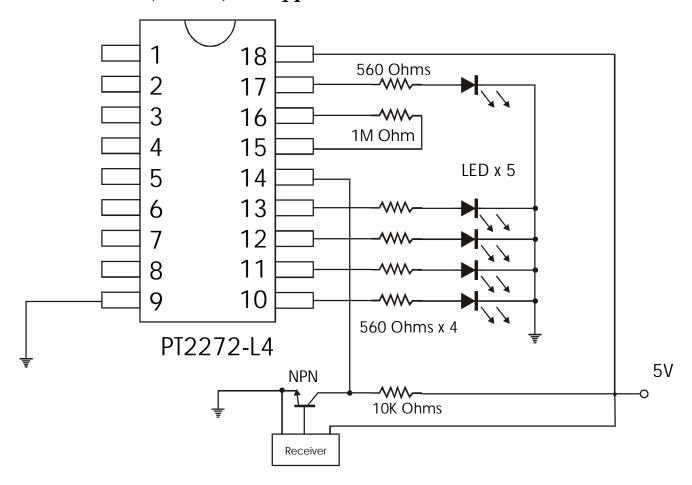
### PT2272 (4 Data) RF Application Circuit



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### PT2272 (4 Data) IR Application Circuit



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# **Ordering Information**

### A. 18- Pin Package:

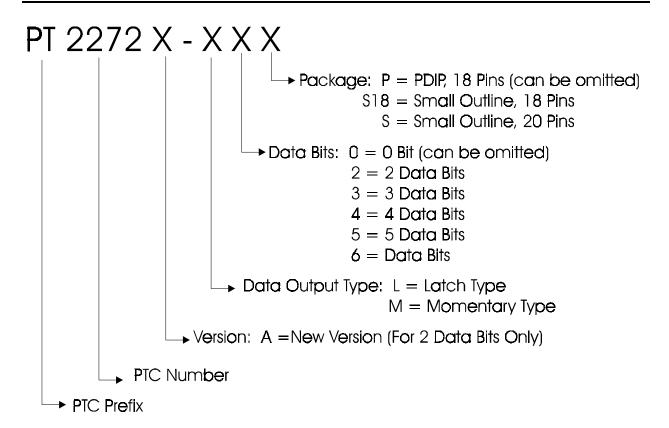
Part No.	Data Bit(s)	<b>Output Type</b>	<b>Package</b>
PT2272 (-S18)	None	*	DIP (SO)
PT2272A-L2 (-S18)	2	Latch	DIP (SO)
PT2272A-M2 (-S18)	2	Momentary	DIP (SO)
PT2272-L3 (-S18)	3	Latch	DIP (SO)
PT2272-M3 (-S18)	3	Momentary	DIP (SO)
PT2272-L4 (-S18)	4	Latch	DIP (SO)
PT2272-M4 (-S18)	4	Momentary	DIP (SO)
PT2272-L5 (-S18)	5	Latch	DIP (SO)
PT2272-M5 (-S18)	5	Momentary	DIP (SO)
PT2272-L6 (-S18)	6	Latch	DIP (SO)
PT2272-M6 (-S18)	6	Momentary	DIP (SO)

### B. 20-Pin Package

Part No.	Data Bit(s)	<b>Output Type</b>	Package
PT2272-S	None	*	SO
PT2272A-L2S	2	Latch	SO
PT2272A-M2S	2	Momentary	SO
PT2272-L3S	3	Latch	SO
PT2272-M3S	3	Momentary	SO
PT2272-L4S	4	Latch	SO
PT2272-M4S	4	Momentary	SO
PT2272-L5S	5	Latch	SO
PT2272-M5S	5	Momentary	SO
PT2272-L6S	6	Latch	SO
PT2272-M6S	6	Momentary	SO

Note: \* = use VT (Valid Transmission)

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