DESCRIPTION

PT2262 is a remote control encoder paired with PT2272 utilizing CMOS Technology. It encodes data and address pins into a serial coded waveform suitable for RF or IR modulation. PT2262 has a maximum of 12 bits of tri-state address pins providing up to 531,441 (or 312) address codes; thereby, drastically reducing any code collision and unauthorized code scanning possibilities.

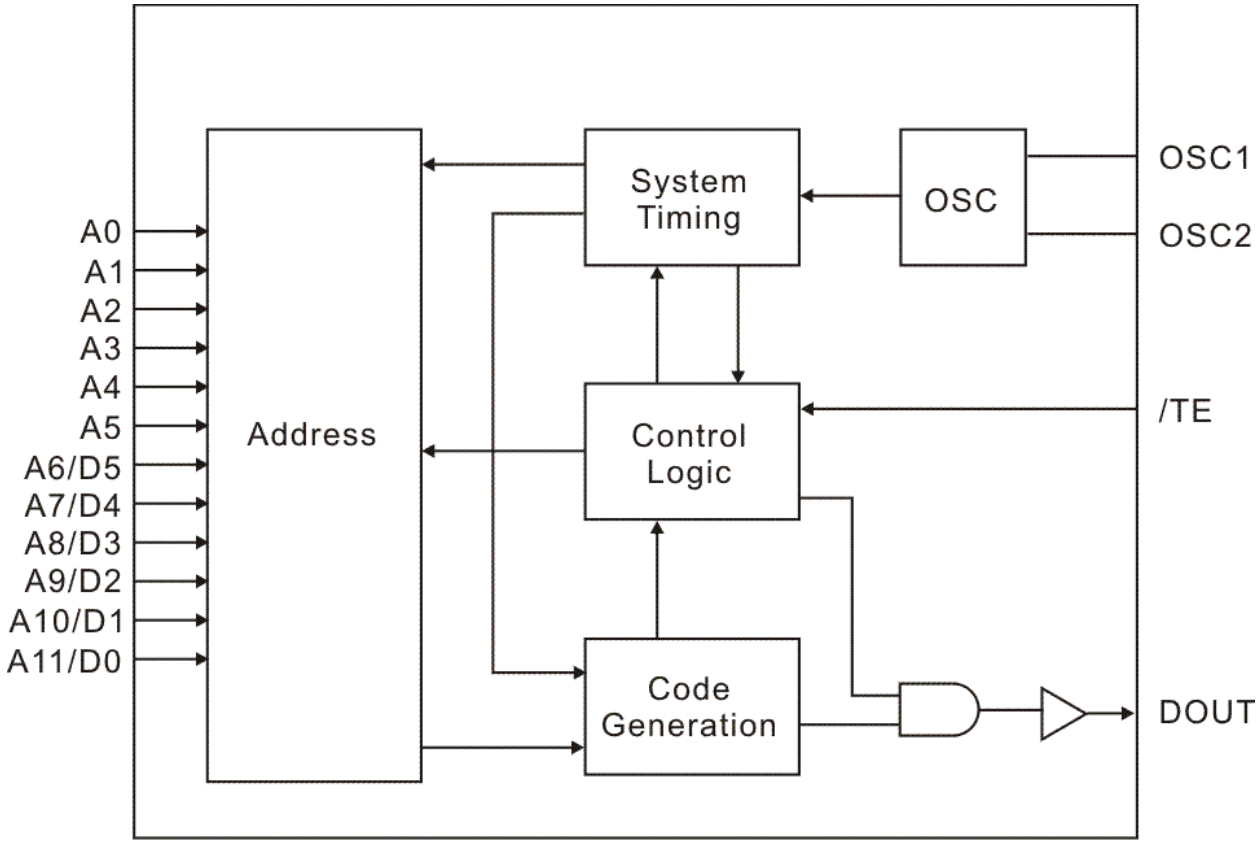
FEATURES

- 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 ~ 15V
- Single Resistor Oscillator
- Latch or Momentary Output Type
- Available in DIP and SOP

APPLICATIONS

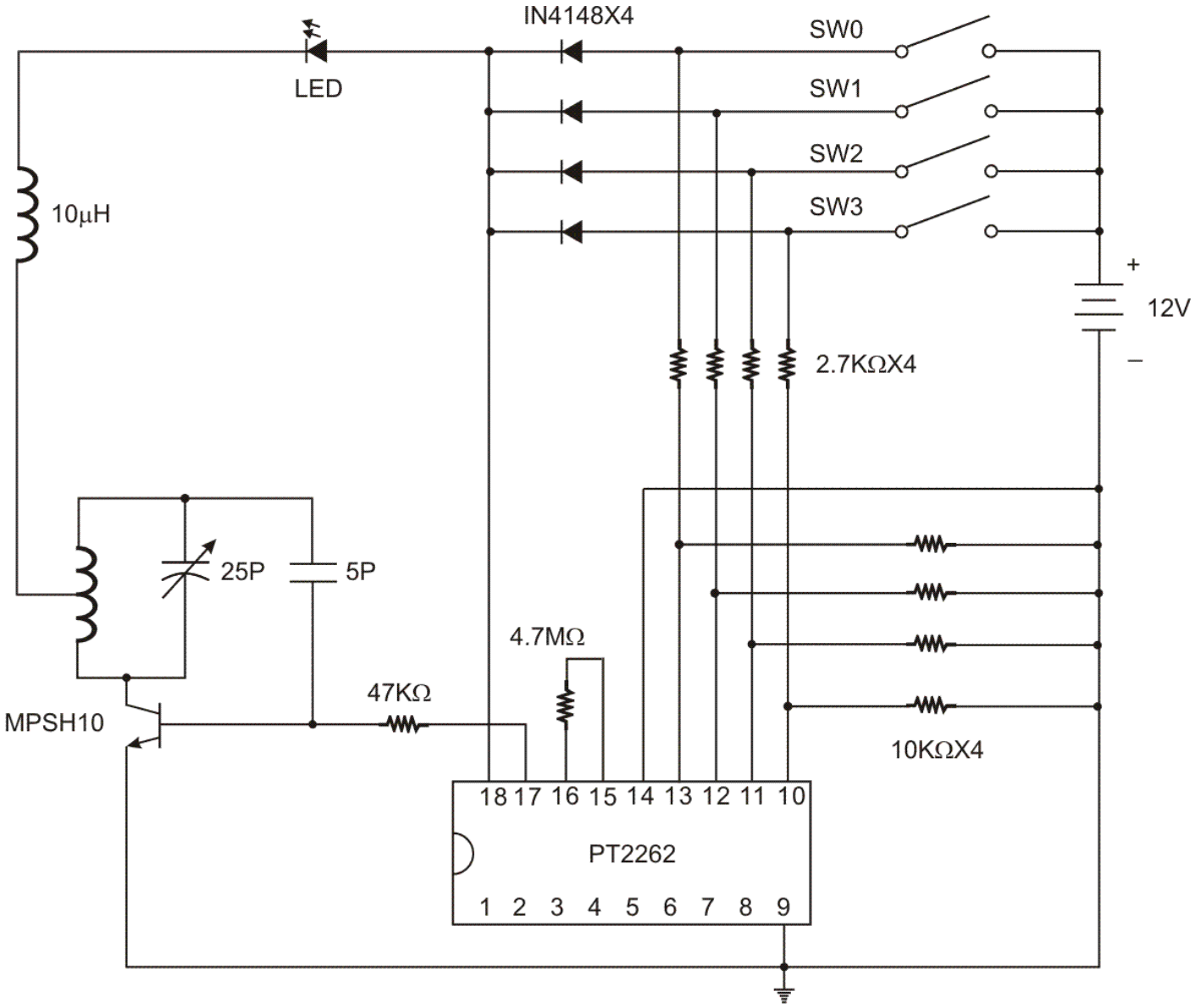
- Car Security System
- Garage Door Controller
- Remote Control Fan
- Home Security/Automation System
- Remote Control Toys
- Remote Control for Industrial Use

BLOCK DIAGRAM

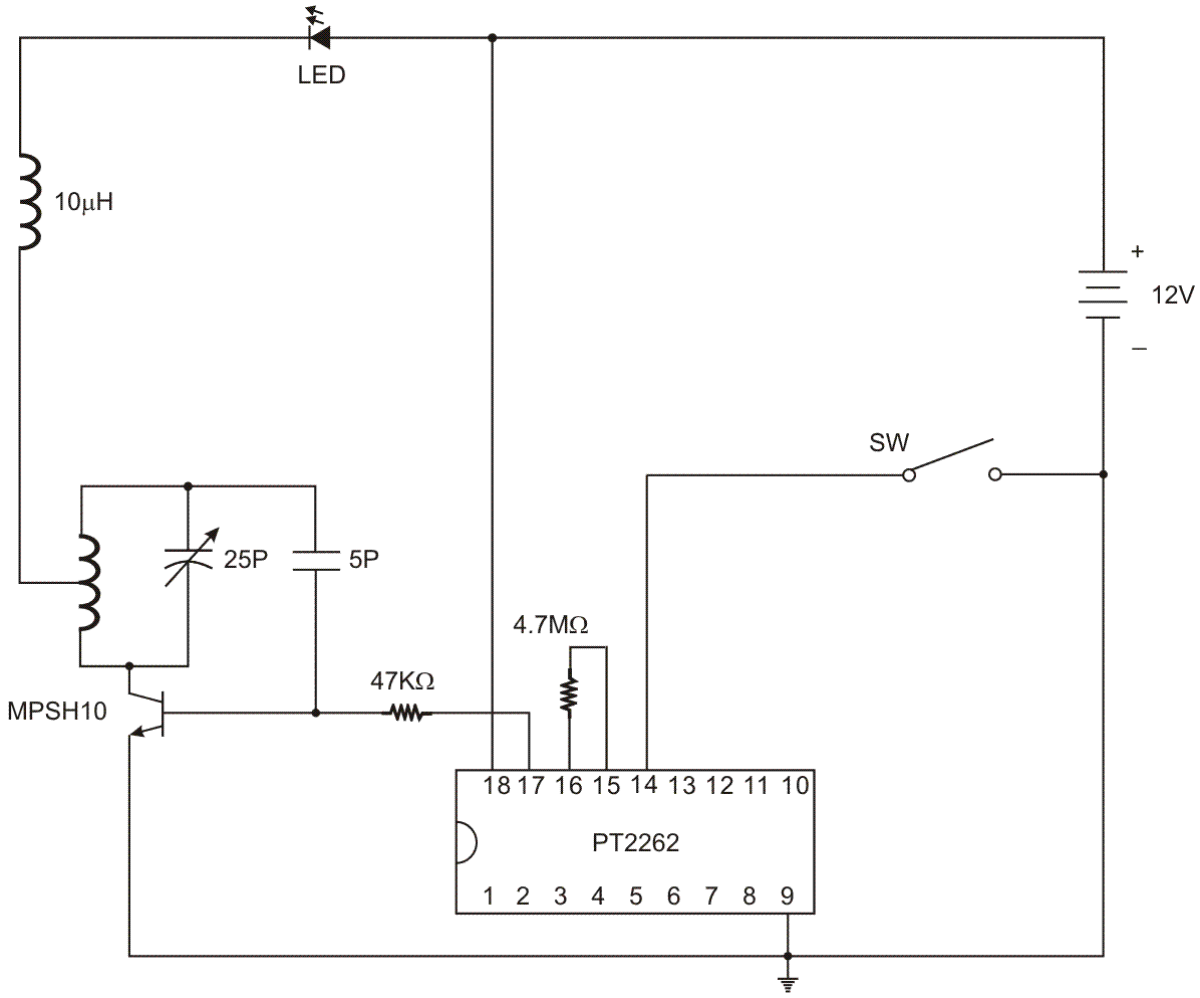


APPLICATION CIRCUITS

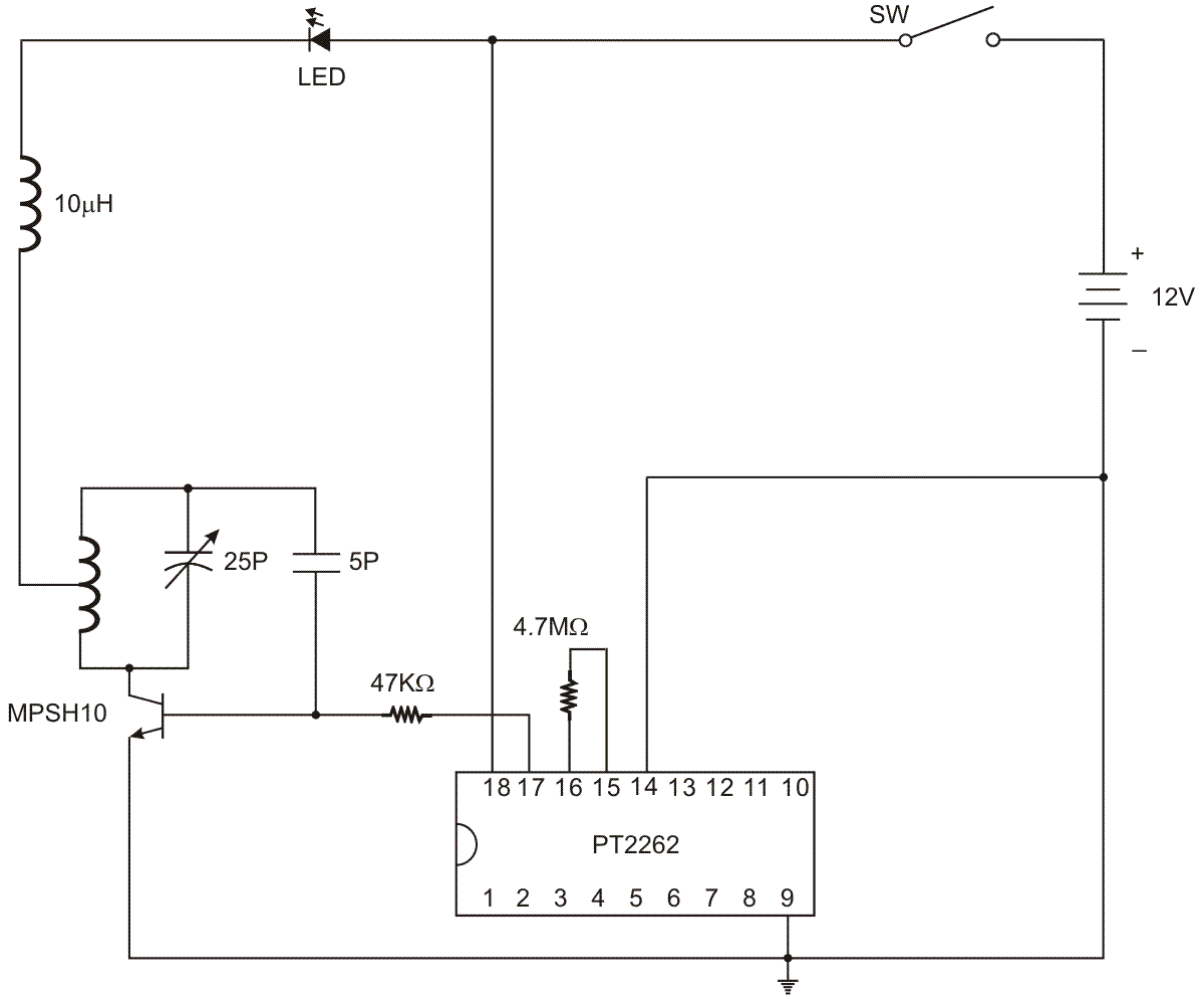
UHF BAND 4 DATA TRANSMITTER CIRCUIT IS RECOMMENDED



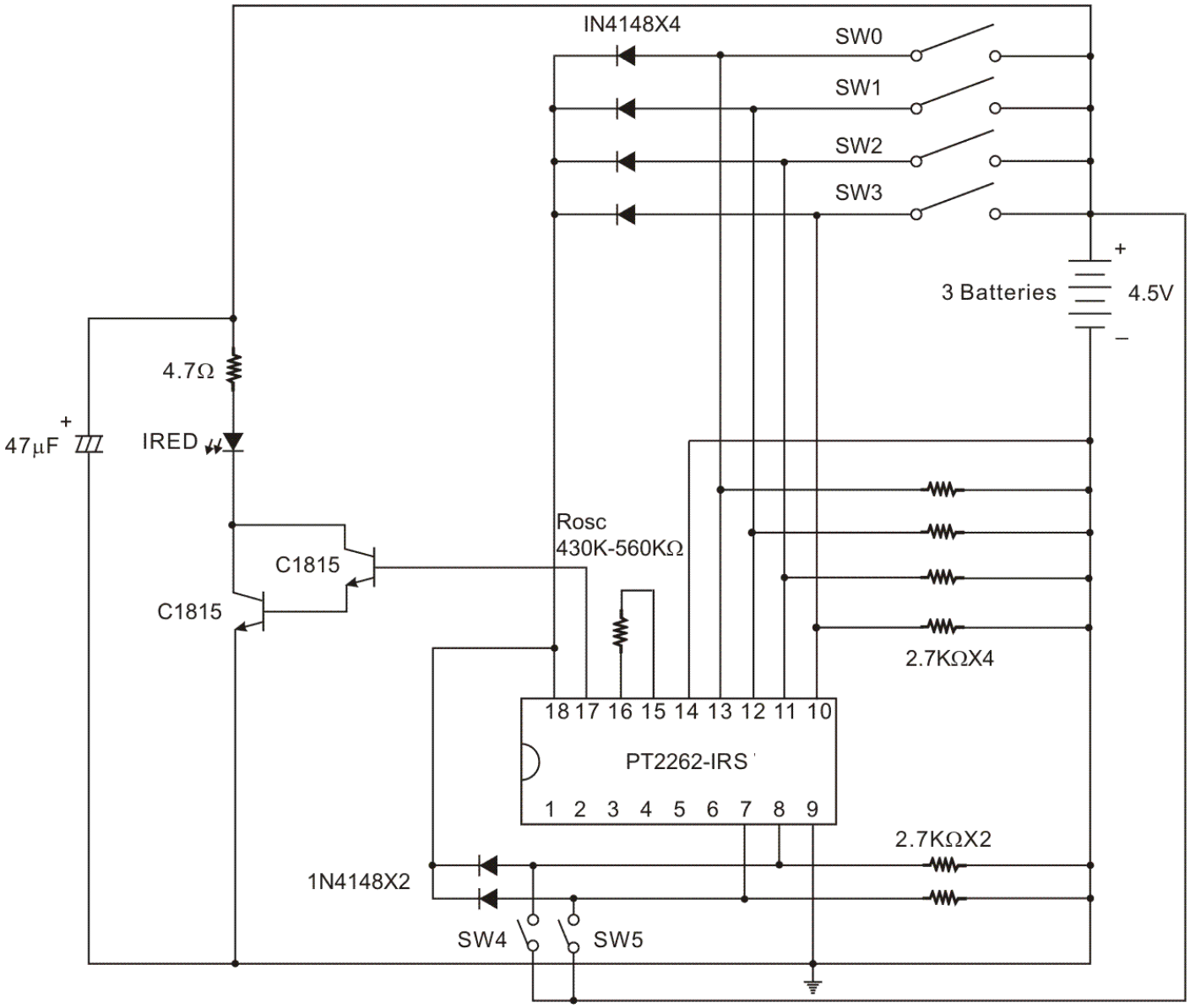
UHF BAND ADDRESS-ONLY (ZERO DATA) TRANSMITTER CIRCUIT IS RECOMMENDED



UHF BAND ADDRESS-ONLY (ZERO DATA) ZERO-STAND-BY TRANSMITTER CIRCUIT IS RECOMMENDED.



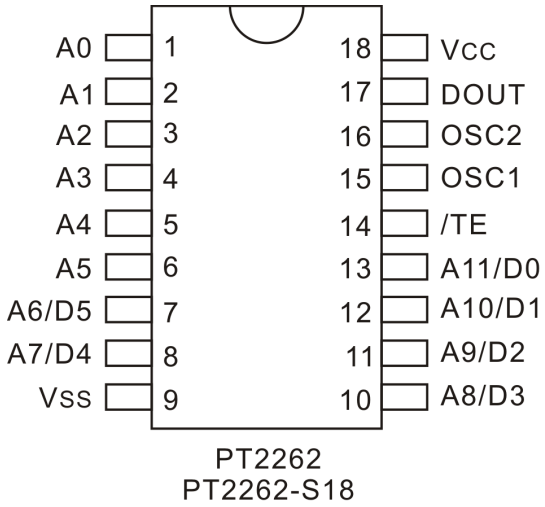
INFRARED RAY 6-DATA CIRCUIT. ADJUST ROSC TO GET 38KHZ CARRIER PULSE AT DOUT PIN IS RECOMMENDED.



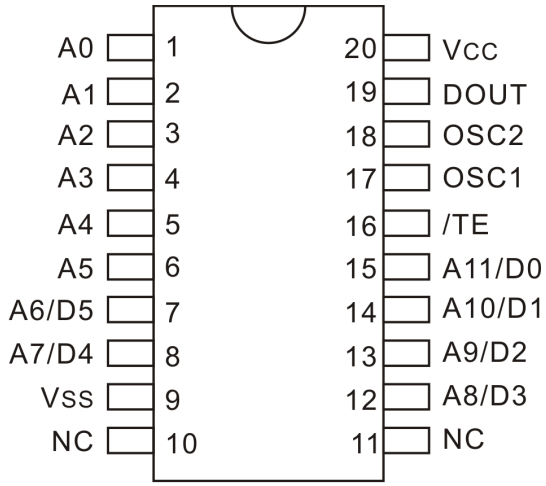
ORDERING INFORMATION

Valid Part Number	Package Type	Top ode
PT2262	18 Pins, DIP, 300mil	PT2262
PT2262-S18	18 Pins, SOP, 300mil	PT2262-S18
PT2262-S	20 Pins, SOP, 300mil	PT2262-S
PT2262-IRS	20 Pins, SOP, 300mil	PT2262-IRS

PIN CONFIGURATION



PT2262
PT2262-S18



PT2262-S
PT2262-IRS

PIN DESCRIPTION

Pin Name	I/O	Description		Pin No.	
				18 Pins	20 Pins
A0 ~ A5	I	Code Address Pin Nos.0 ~ 5 These six tri-state pins are detected by PT2262 to determine the encoded waveform bit 0 ~ bit 5. Each pin can be set to “0”, “1” or “f” (floating).		1 ~ 6	1 ~ 6
A6/D5, A7/D4 A8/D3 ~ A11/D0	I	Code Address Pin Nos.6 ~ 11/Data Pin Nos.5 ~ 0. These six tri-state pins are detected by PT2262 to determine the encoded waveform bit 6 ~ bit 11. When these pins are used as address pins, they can be set to “0”, “1”, or “f” (floating). When these pins are used as data pins, they can be set only to “0” or “1”.		7, 8 10 ~ 13	7, 8 12 ~ 15
/TE	I	Transmission Enable. Active Low Signal. PT2262 outputs the encoded waveform to DOUT when this pin is pulled to low.		14	16
OSC1	O	Oscillator Pin No.1	A resistor connected between these two pins determine the fundamental frequency of the PT2262.	15	17
OSC2	I	Oscillator Pin No.2		16	18
DOUT	O	Data Output Pin. The encoded waveform is serially outputted to this pin. When PT2262 is not transmitting, DOUT outputs low (Vss) voltage.		17	19
Vcc	-	Positive Power Supply		18	20
Vss	-	Negative Power Supply		9	9

IMPORTANT NOTICE

Princeton Technology Corporation (PTC) reserves the right to make corrections, modifications, enhancements, improvements, and other changes to its products and to discontinue any product without notice at any time.
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