Remote Control Encoder

PT2262

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 \(3^{12}\)) 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: \(Vcc = 4 \sim 15\) 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
Pin Configuration

Remote Control Encoder

PT2262

Tel: 886-2-29162151
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URL: http://www.princeton.com.tw

Princeton Technology Corp.

Remote Control Encoder

Pin Configuration

PT 2262
PT2262-S18
PT2262-IR

VT2262-S
PT2262-IR-S

A0  1  18  Vcc
A1  2  17  DOUT
A2  3  16  OSC 2
A3  4  15  OSC 1
A4  5  14  TE
A5  6  13  A11/D0
A6/D5  7  12  A10/D1
A7/D4  8  11  A9/D2
Vss  9  10  A8/D3

A0  1  20  Vcc
A1  2  19  DOUT
A2  3  18  OSC 2
A3  4  17  OSC 1
A4  5  16  TE
A5  6  15  A11/D0
A6/D5  7  14  A10/D1
A7/D4  8  13  A9/D2
Vss  9  12  A8/D3
NC  10  11  NC
Application Circuit

UHF Band 4 Data Transmitter Circuit is recommended.
Remote Control Encoder

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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 38 KHz Carrier Pulse at DOUT Pin is recommended.
# Ordering Information

<table>
<thead>
<tr>
<th>Valid Product No.</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT2262</td>
<td>18 Pins, DIP</td>
</tr>
<tr>
<td>PT2262-S18</td>
<td>18 Pins, SO</td>
</tr>
<tr>
<td>PT2262-IR</td>
<td>18 Pins, DIP</td>
</tr>
<tr>
<td>PT2262-S</td>
<td>20 Pins, SO</td>
</tr>
<tr>
<td>PT2262-IR-S</td>
<td>20 Pins, SO</td>
</tr>
</tbody>
</table>

**PT 2262 - XX - X**

- **Package Code:**
  - P: Plastic DIP (this code can be omitted)
  - S: Small Outline, 20 Pins
  - S18: Small Outline, 18 Pins

- **Output Type:**
  - RF: RF Application (can be omitted)
  - IR: IR Application

- **Product Number**

- **PTC Prefix**
This datasheet has been download from:

www.datasheetcatalog.com

Datasheets for electronics components.