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: $V_{cc} = 4 \sim 15$ 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.

Pin Configuration Diagram

PT2262
PT2262-S18
PT2262-IR

PT2262 S
PT2262 - IR - S
UHF Band 4 Data Transmitter Circuit is recommended.
Remote Control Encoder

PT2262

UHF Band Address-only (Zero Data) Transmitter Circuit is recommended.
Remote Control Encoder

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**