

DESCRIPTION

PT4203 is encoder utilizing CMOS Technology specially designed for remote control applications. It has 2^{20} Address. It can support up to 4 Data Bits and is housed in 8 pin SOP package. It encodes address and data codes into a coded waveform suitable for RF modulation. The pin assignments and application circuit are optimized for easy PCB Layout and cost saving advantage. Furthermore, PT4203's intrinsic feature of being able to support 4 data bits considerably reduces inventory pressures.

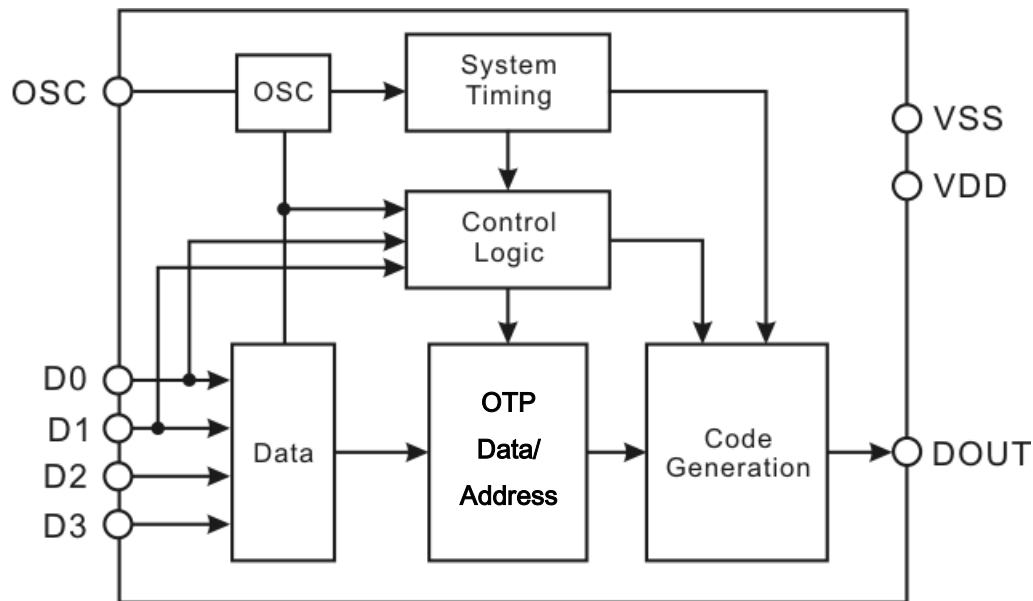
FEATURES

- CMOS technology
- Low power consumption
- Least external components
- High noise immunity
- Single resistor oscillator
- Operating voltage: 3.0V~14V
- 4 Data pins
- 2^{20} address codes
- Available in SOP package
- Reduction of inventory pressures

APPLICATIONS

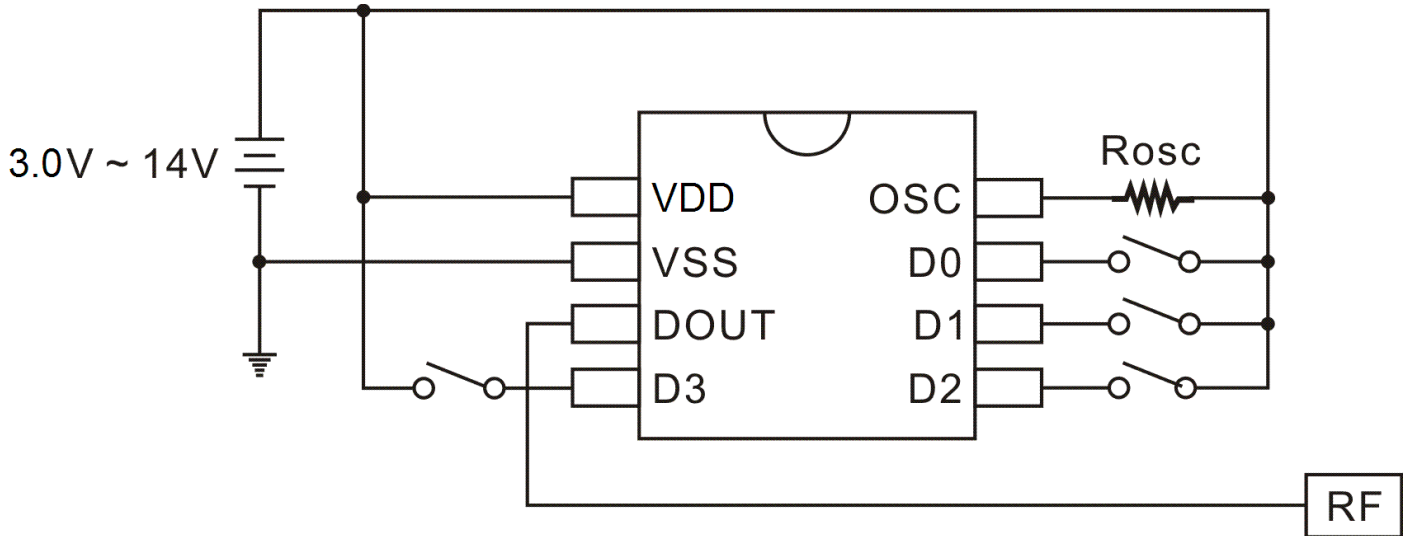
- Burglar alarm system
- Car security system
- Car/Garage door controller
- Home/Office security system
- Personal alarm system

BLOCK DIAGRAM

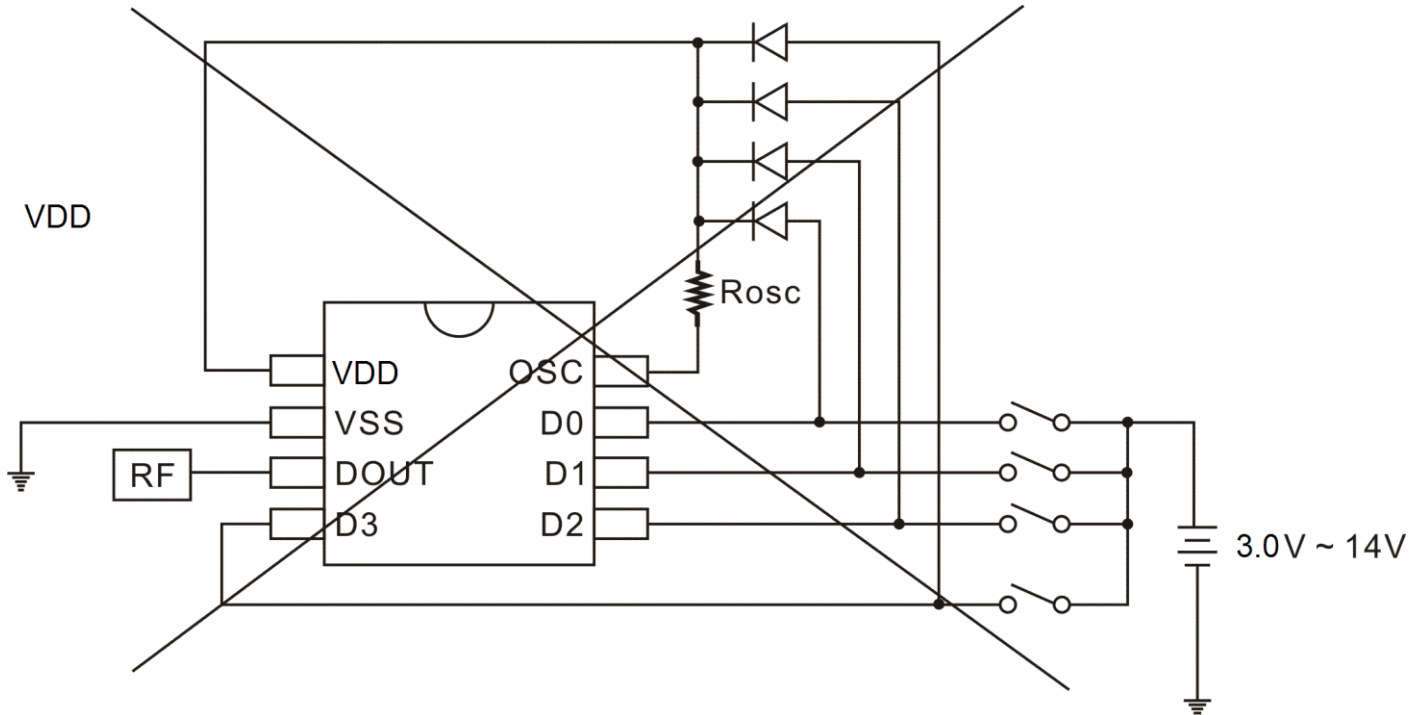


APPLICATION CIRCUIT

8 PINS



POWER FAILURE CIRCUIT

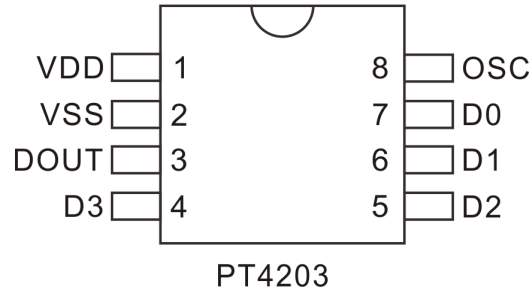


Warning: Be careful to use this above application circuit which will cause the VDD pin damaged.

ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT4203-S	8 Pins, SOP, 150mil	PT4203-S

PIN CONFIGURATION



PIN DESCRIPTION

Pin Name	I/O	Description	Pin No.
VDD	-	Positive power supply	1
VSS	-	Negative power supply	2
DOUT	O	Data output pin Normal="Low"	3
D0, D1, D2, D3	I	Data pin	7, 6, 5, 4
OSC	I	Oscillator pin	8

IMPORTANT NOTICE

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PTC cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a PTC product. No circuit patent licenses are implied.

Princeton Technology Corp.
2F, 233-1, Baociao Road,
Sindian Dist, New Taipei City 23145, Taiwan
Tel: 886-2-66296288
Fax: 886-2-29174598
<http://www.princeton.com.tw>