Remote Control Encoder

SC2262

Description

SC2262 is a remote control encoder paired with SC2272 utilizing CMOS Technology. It encodes data and address pins into a serial coded waveform suitable for RF or IR modulation. SC2262 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.

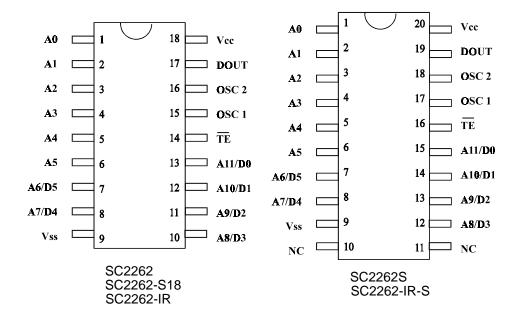
Features

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: $Vcc = 4 \sim 15 \text{ Volts}$	
Single Resistor Oscillator	
Latch or Momentary Output Type	
Available in DIP and SO Package	

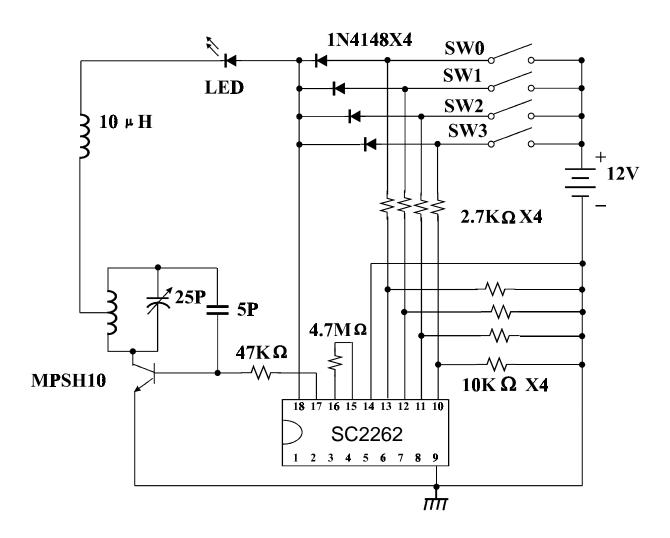
Applications

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

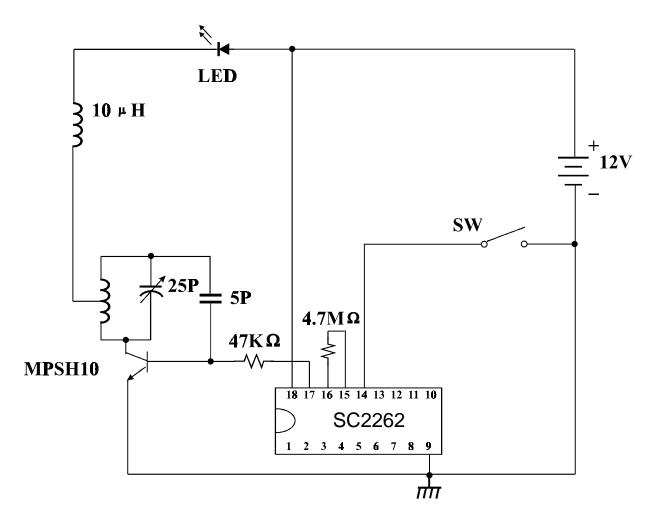
Pin Configuration



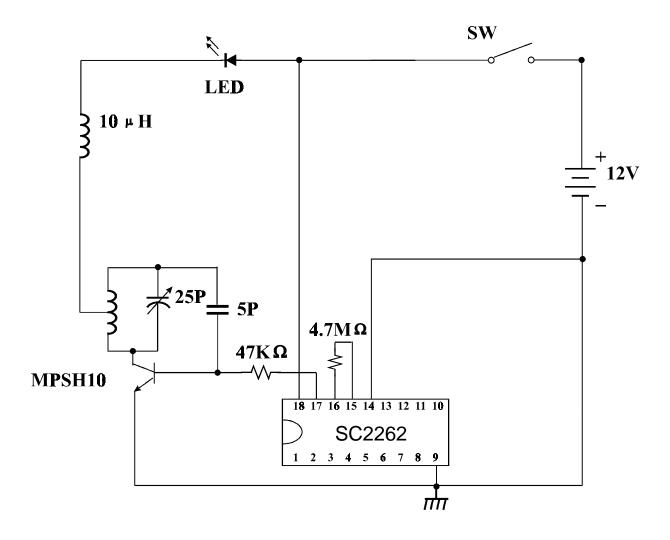
Application Circuit



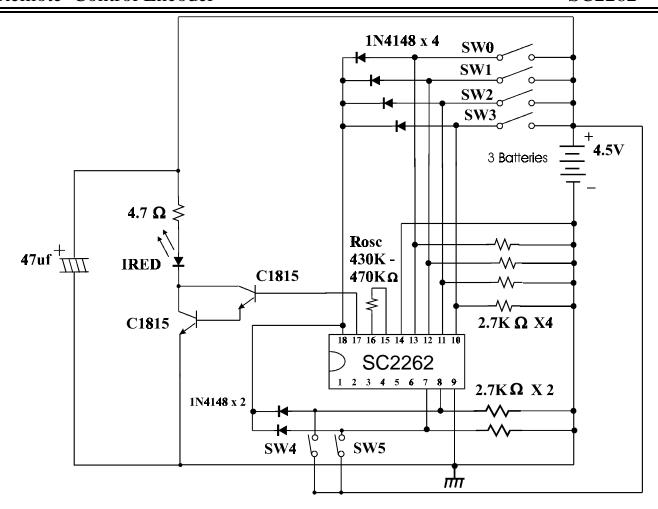
UHF Band 4 Data Transmitter Circuit is recommended.



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 38 KHz Carrier Pulse at DOUT Pin is recommended.

Ordering Information

Valid Product No.	Package
SC2262	18 Pins, DIP
SC2262-S18	18 Pins, SO
SC2262-IR	18 Pins, DIP
SC2262-S	20 Pins, SO
SC2262-IR-S	20 Pins, SO

