SC2272

SC2272 Description: (Compatible: PT2272)

SC2272 is a remote control decoder paired with SC2262and SC2260 utilizing CMOS technology. It has 12 bits of tri-state address pins providing a maximum of 531,441 address codes; thereby, drastically reducing any code collision and unauthorized code scanning possibilities. SC2272 is available in several options to suit every application need: variable number of data output pins, latch or momentary output type.
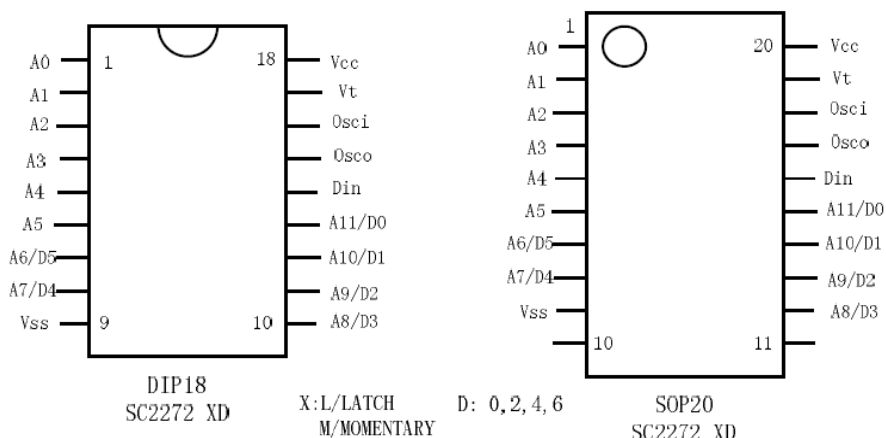
SC2272 Features: (Compatible: PT2272)

Low power consumption
Wide operating temperature range: -30 70 °C
Up to 12 tri-state code address pins
Up to 6 data pins
Single resistor oscillator
Latch or momentary output type

SC2272 Applications: (Compatible: PT2272)

Home/motor car security system	Garage door controller
Remote fan controller	Remote control toys

SC2272 Pin Configuration: (Compatible: PT2272)

DIP18
SC2272 XD

X:L/LATCH   D: 0,2,4,6
M/MOMENTARY

SOP20
SC2272 XD

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SC2272 PIN Description: (Compatible:PT2272)

(Definition: "1" Vcc "0" Vss "F" Floating)
A0-A5 address pin tri-state adds. "0" "1" "F "
A6/D5- A11/D0 address or data pin data output "0" ,"1"
Din received signal input this pin
Osci oscillator input pin
Osco oscillator output pin
Vt if received valid signal will "1"
Vcc power positive 2- 6 V
Vss power negative

SC2272 Characteristics: (Compatible:PT2272)

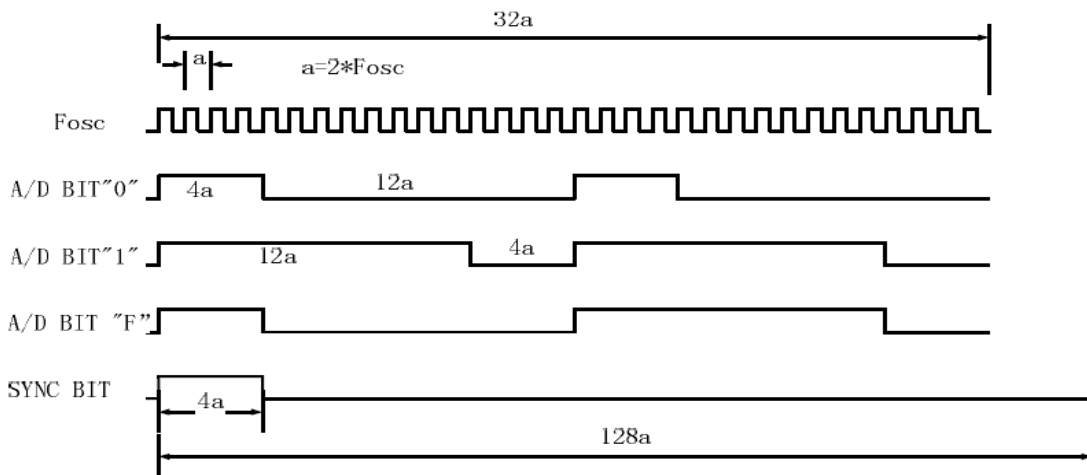|			
Vcc	-0.3- 5 V	Vi	-0.3- Vcc+0.3 V
Vo	-0.3- Vcc+0.3 V	Pmax	150 mW
Icc max	0.02 uA /	Osc "F" A0-A11 "F"	
Ioh min	-3 mA /Vcc 5 V		
Iol min	2 Ma /Vcc 5V		
Vih min	0.7Vcc	Vil max	0.3Vcc

SC2272 Functions description: (Compatible:PT2272)

SC2272 decode signal from Din pin. If the code from SC2262 valid same as
SC2272 set and received two times,the data pins will be "1"or "0" same as
SC2262 data pins and will drive the confirm pin Vt to "1". The SC2272 code same
as SC2262 means:
1 the address pin state of SC2272 same as SC2262 .
2 the oscillator frequency of SC2272 coordinate SC2262

SC2272 Code Description: (Compatible:PT2272)

1 There are 12 A/D BIT and 1 SYNC BIT in one frame

2 "F" BIT only for address

3 bit order A0 A1 A2 A3 A4 A5 A6/D5 A7/D4 A8/D3 A9/D2 A10/D1 A11/D0 SYNC
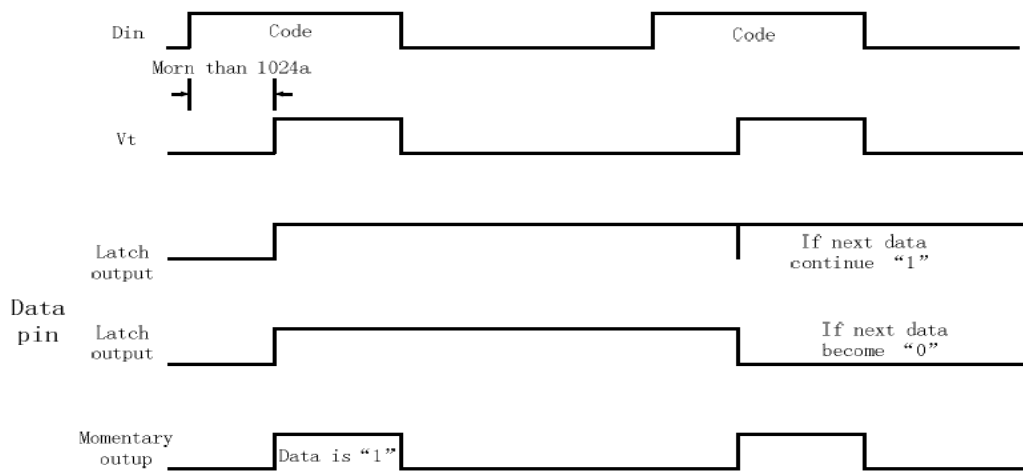
SC2272 Single resistor oscillator: (Compatible:PT2272)

Outside resistor with inside circuit become oscillator.

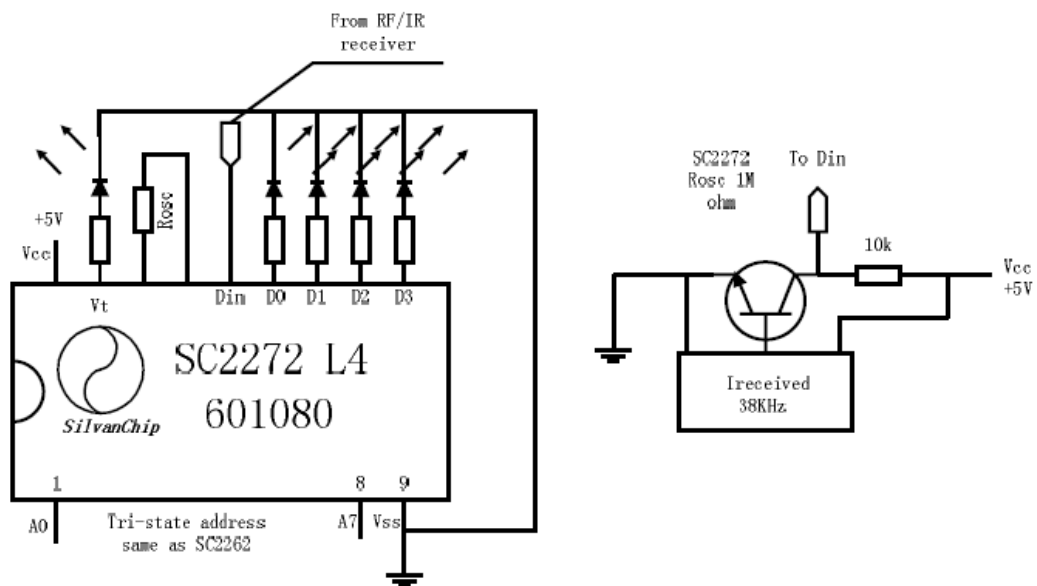SC2262 and SC2272 oscillator coordinate as follow:

SC2262	Rosc 4.7M	SC2272 Rosc	820K
	1.2M		220K
	1.5M		270K

SC2272 Latch and momentary output: (Compatible:PT2272)

SC2272 APPLICATIONS CIRCUIT: (Compatible:PT2272)