

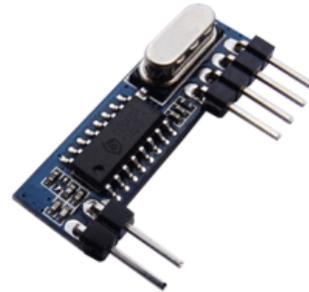
DRA886RX
HIGH SENSITIVE ASK RECEIVER MODULE

V1.10

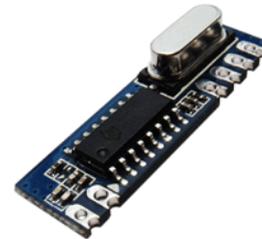
DESCRIPTION

DRA886RX is a type of high sensitive ASK receiver module which is based on RFIC. It features high stability and strong anti-interference ability. It can be used together with ASK transmitter modules DRA886TX and DRA886RX in wireless door opener, robot control, security alarm and related applications.

DRA886RX modules have two packages: DIP and SMD package, which both of packages use the same PCB board so the SMD package can be converted to DIP package by soldering pins on it.

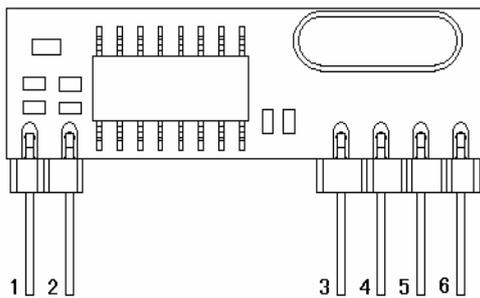


DRA886RX-D



DRA886RX-S

PIN FUNCTIONS



PIN	Name	Description
1	GND	Ground(0V)
2	ANT	Antenna port (50Ohm)
3	VCC	Power pin
4	/CS	Enable pin; low effective
5	DATA	Data output
6	GND	Ground(0V)

Table 1: DRA886RX Pin Functions

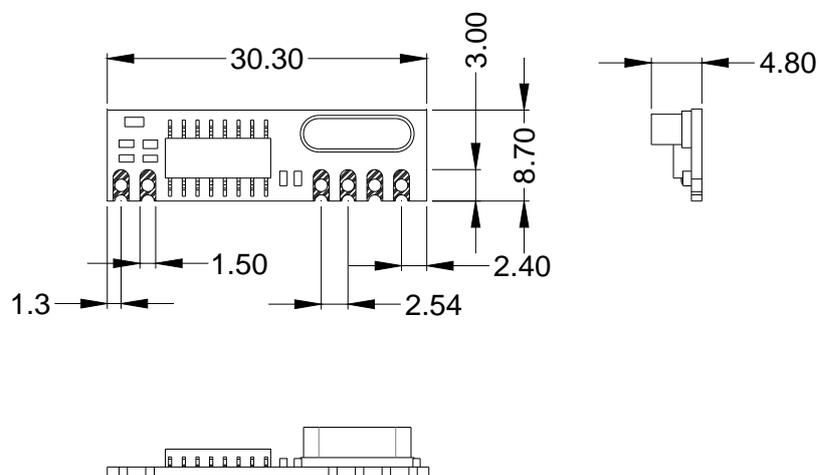
ELECTRICAL SPECIFICATIONS

Symbol	Parameter (condition)	Min.	Typ.	Max.	Units
VCC	Supply Voltage	3.6	5.0	5.5	V
Freq	Frequency range	433.82	433.92	434.02	MHz
BW	Receive bandwidth		200		KHz
Sen.	Sensitivity @ 1.2k bps		-107		dBm
Ts	Receive start-up time		9		ms
DR_ASK	ASK data rate	0.1	5	9.6	kbps
Temp	Operating temperature range	-20	25	70	°C
IDD_T	Current in receive mode		4.0		mA
IDD_S	Current in sleep mode		1		uA
ZANT	Antenna Impedance		50		Ohm

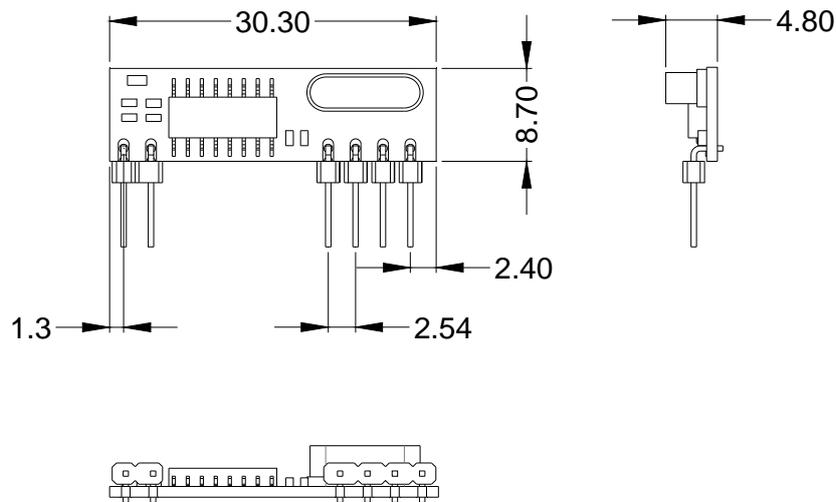
Table 2: DRA886RX Electrical Specifications

MECHANICAL DATA

Unit (mm)



DRA886RX-S



DRA886RX-D

Figure 1: DRA886RX Mechanical Dimension

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