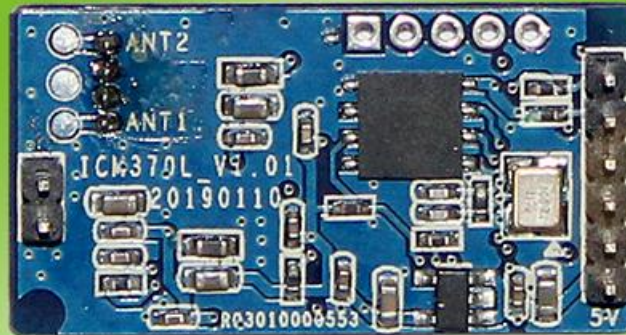


ICM370L

HID Module



Overview

ICM370L (B127) module is a read-write module that supports HID iCLASS cards. It conforms to the ISO/IEC14443A international standard and supports get UID of Mifare, Ultralight, DESFire and NTAG2xx. It provides TTL interface and adopts external antenna design, which is convenient for customers to use directly. It is widely used in all-in-one card system, asset management, consumer system, warehouse management and other fields.

Models

Models	Interface	Voltage	Cards type
ICM370L(B127)	TTL	5V	Support read&write HID iCLASS card

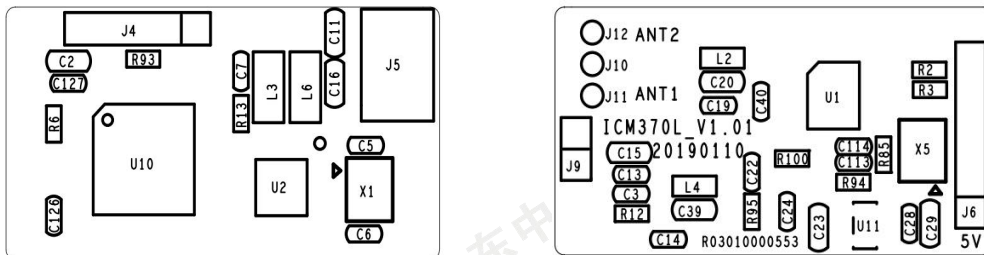
Features

- ◇ Support read&write HID iCLASS card;
- ◇ Dedicated non-contact communication chip with stable performance;
- ◇ It is suitable for scenarios such as one-card system, asset management, consumption system, warehouse management, etc.

Specifications

Params	Description
Protocol	ISO/IEC 14443A
Frequency	13.56MHz
Baud rate	9600 - 115200bit/s (optional, default 115200bit/s)
Power	DC5V (±5%)
Working current	< 200mA
Communication Interface	TTL
Operating distance	0~70mm (Depends on work environments and card types)
Cards type	HID iCLASS、Mifare、Ultralight、DESFire、NTAG2xx
Operating temperature	-10℃~+70℃
storage temperature	-20℃~+80℃
Working humidity	15%~90%
size	30*16*8.7mm (tolerance: ±3mm)

Size



Pin definition

Pin No	Name	Description
J4		
1	VIN	Power
2	SWDIO	Data
3	SWCLK	Clock
4	RESET	Reset
5	GND	Ground
J5		
1	ANT1	Antenna1
2	GND	Ground
3	GND	Ground
4	ANT2	Antenna2
J6		
1	VIN	Power
2	VIN	Power
3	TXD2	Transmit external Data
4	RXD2	Received external data
5	SCL	Data
6	SDA	Clock
J9		
1	NC	NOTCONNECTED
2	NC	NOTCONNECTED

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