PRODUCT DETAILS

The working frequency of the card reader module is 134.2KHZ (error 1KHZ).

Module working voltage: 5V, current less than 50MA

Read card module reads the ISO 11784/85 FDX-B support tag or its compatible RFID card.

For example, dove foot ring, ear tag and glass tube label for injection.

Card reading distance: ear tag is 6CM, foot ring and so on 4CM.

The card reading module is the serial output of TTL level, which can be directly connected with the serial port of the target MCU. The baud rate is 9600.

For example, the 16 binary data of animal labels are: 038412 DB FA E7 D5

(of which Country ID:03 84, National ID:12 DB FA E7 D5)

Serial port protocol: AA 0F 0800038412 DB FA E7 D5 81 BB

AA is the starting code 0F 0800 (the three data are fixed) 03 8412 DB FA E7 D5 (animal label data) B1 (XOR check code) BB (end code).

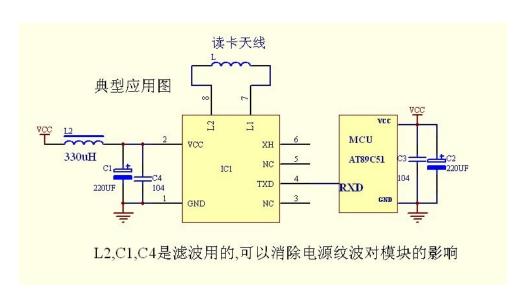
Check code: 0F (XOR) 08 (XOR) 00 (XOR) 03 (XOR) 84 (XOR) 12 (XOR) DB (XOR) FA (XOR) FA (c) x

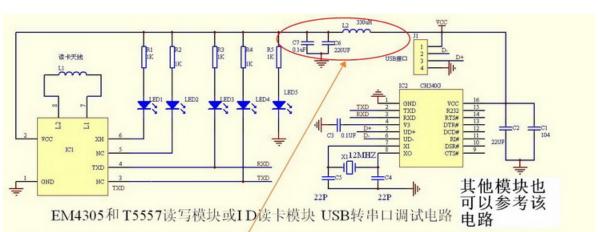
Special needs can be customized, please contact customer service.

Module Pin Descriptions:

Pin	Function	Comment
J1(1)	GND	
J1(2)	VCC	+5V
J1(3)	NC	floating
J1(4)	TXD	serial data send
J1(5)	NC	floating
J1(6)	NC	floating
J3(1)	L1	antenna
J3(2)	L2	antenna







读卡模块是数字电路和模拟电路的集成在一起的模块,对电源的纹波比较敏感用线性电源或纹波低的开关电源才能正常工作图中L2_C6_C7的作用是滤波,减少USB电源的纹波干扰读卡模块 不接这些电感电容有可能读卡距高很近或根本读不到卡测试时线性电源或3节1.5V电池供电可以不用加滤波。当模块不能读卡或读卡距高没有介绍中的远请考虑是否电源纹波太大干扰了。L2是330uH的电感,C6是220uF,C7是0.1uF L2电感选220uH-330uH,电容C6是220uF-470UF,L2或C6选的太小会降低滤波效果重要事情说三遍:USB的电源是开关电源,纹波很大,直接给模块供电会干扰模块,不能正常读卡,一定要滤波市面上购买的几块钱的USB转串口,电源都是没有加大电容滤波的,一定要按图外接电感电容滤波