

RDM 6300 RFID Reader Writer Module

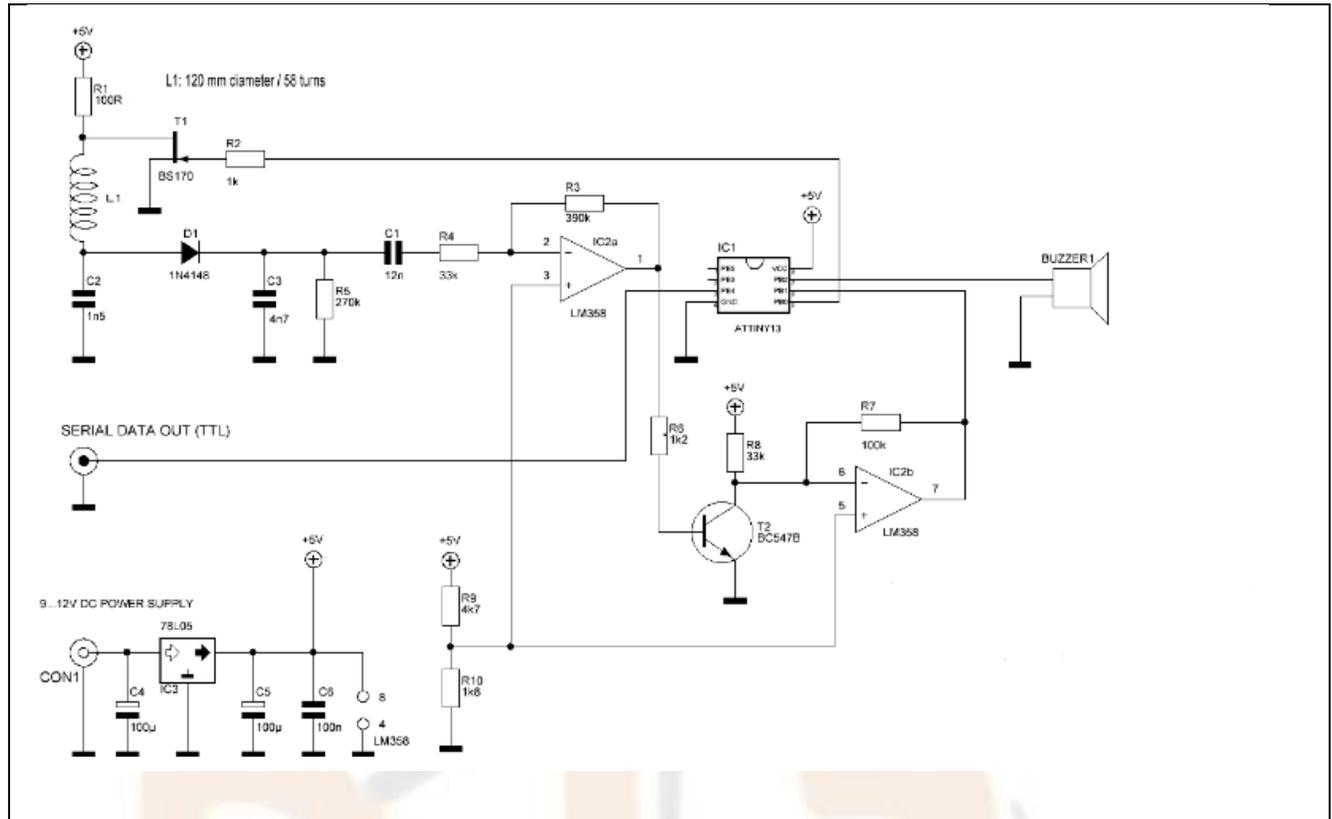


RDM6300 125KHz card reader mini-module is designed for reading code from 125KHz card compatible read-only tags and read/write card . It can be applied in office/home security, personal identification, access control, anti-forgery, interactive toy and production control systems etc.

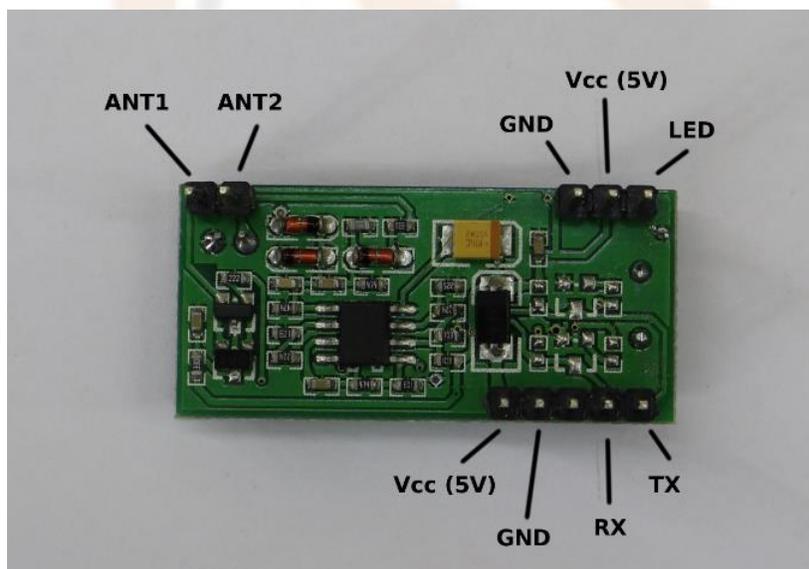
FEATURES:

- Support external antenna
- Maximum effective distance up to 150mm
- Less than 100ms decoding time
- Uart interface
- Support EM4100 compatible read only or read/write tags
- Small outline design
- Operating voltage: 5V
- Operating current: <50mA
- Frequency: 125KHz
- Baud Rate: 9600
- Interface Type: TTL level RS232 format
- Reception range: 20mm~50mm (depending on the antenna and the card)

SCHEMATIC DIAGRAM:



PIN FUNCTION:



- The RDM6300 has 9 pins, where Vcc and GND exist two times. The Vcc pin must be connected to a 5V DC. ANT1 and ANT2 are used to connect an antenna to the board.
- Typically, the RDM630 as well as the RDM6300 already come with an antenna. Nonetheless, it is possible to switch the antenna, for example to a custom-made antenna. TX is used to transmit data and RX is used to retrieve data. The LED pin can be used to quickly lookup whether an RFID tag was successfully read. If RFID tag is not present, the LED pin is at 5V (HIGH). If an RFID was read, the LED pin goes to 0V (LOW) for some moments (it goes from HIGH to LOW).

OUTER DIMENSION:

