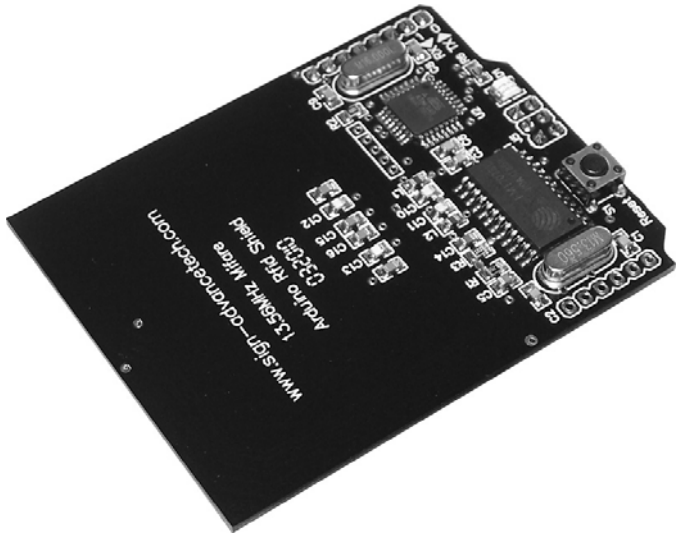
Arduino 13.56MHz Rfid Shields™



The Arduino 13.56MHz Rfid Shields™™

Overview

Arduino 13.56MHz Rfid Shields 13.56 MHz RFID ISO14443A Mifare Read/Write Uart Interface Built-in antenna

The ***Arduino 13.56MHz Rfid Shields*** designed to assist software in the development of stored value or data applications for use in vending, toll roads, airline ticketing, banking cards, city cards, ID cards, university cards, loyalty schemes, phone cards, park and ride, and prepaid metering. Etc.

Features:

13.56 MHz RFID ISO14443A Mifare Read/Write Uart Interface, Built-in antenna

Interface supported:

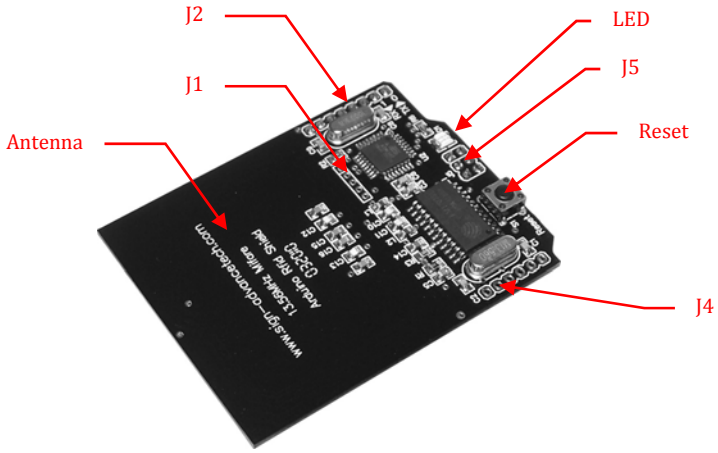
► UART interface, baud rate 9600bps (Pin Arduino Compatible)

Supported :

► Mifare ® Mini (320Byte)
► Mifare ® 1k
► Mifare ® 4k
► Mifare ® UltraLight

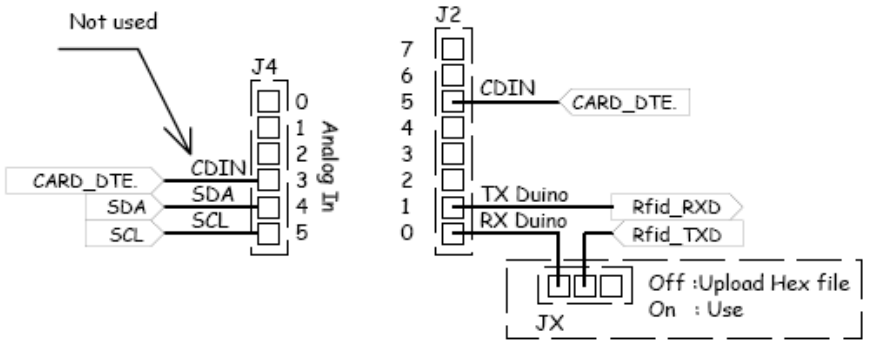
Operating distance:

► Operating distance: Up to 60mm. (depending on tag)



Arduino 13.56MHz Rfid Shields Pin Layout

Arduino Pin Config



I2C Mode

1. Analog4 to SDA
2. Analog5 to SDL
3. Digital Pin5 to Tag In

* Analog3 Not Use
Digital Pin 0 Not Use
Digital Pin 1 Not Use

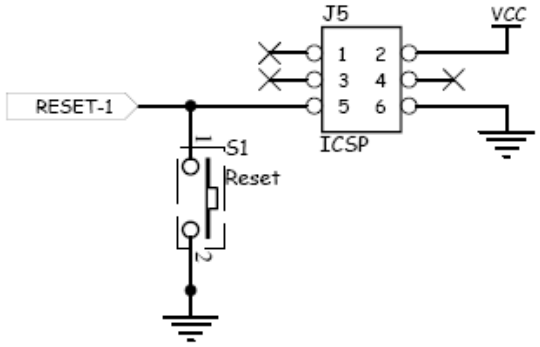
UART Mode

1. Analog4 Baud Config0
2. Analog5 Baud Config1
3. Digital Pin5 to Tag In
4. Digital Pin 0 to Rxd
5. Digital Pin 1 to Txd

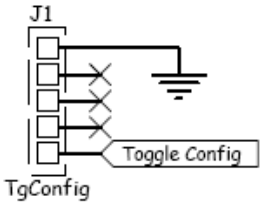
Baud Rate Configuration

Config0	Config1	Baud
Low	Low	9600
Low	High	19200
High	Low	57600
High	High	115200

Power and reset



Hardware Toggle UART/I2C User Interface



1. Power Off
2. Jump Gnd Pin to Toggle Config Pin
3. Power On
   LED Blink 3 Time
   LED On
4. Hold Gnd Pin and Config Pin
5. Power Off
6. Power On

* Manufacturing default configuration Set to Serial UART Interface