

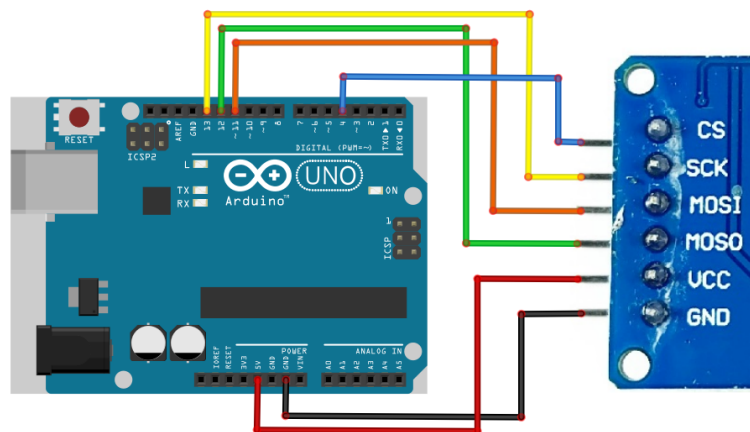
MicroSD Card Reader

The MicroSD Card Reader is a tool for storing data. This is used for systems requiring data logging, such as time monitoring systems. It has an onboard voltage level conversion for a 5V configuration.



HARDWARE CONFIGURATION

Connect Arduino Uno to the SD Card reader according to the table.

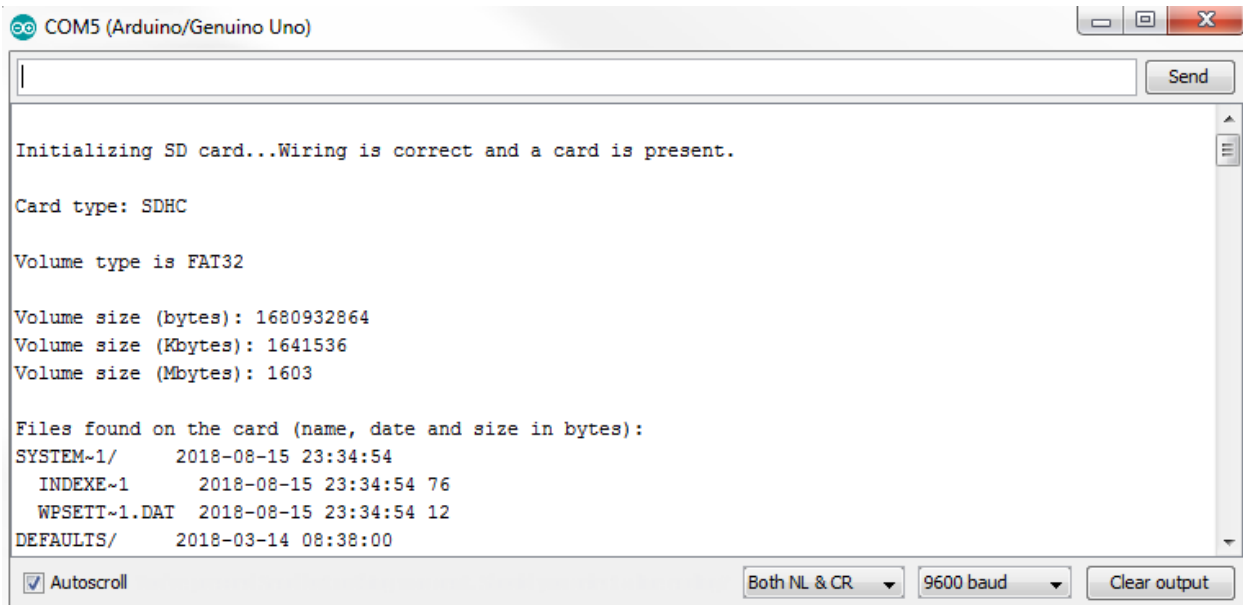


SD Card Reader Pin	Arduino Pin
CS	4
SCK	13
MOSI	11
MISO (MOSO)	12
VCC	5V
GND	GND

SOFTWARE CONFIGURATION

Open Arduino IDE. Go to File->Examples->SD->CardInfo. Connect Arduino Uno to the PC. Upload the code to the Arduino Board.

Open Serial Monitor. Select baud rate to 9600, Both NL & CR. It should display the files inside the MicroSD card.



The screenshot shows the Arduino IDE Serial Monitor window for COM5 (Arduino/Genuino Uno). The window displays the output of an SD card initialization and file listing process. The text is as follows:

```
Initializing SD card...Wiring is correct and a card is present.  
  
Card type: SDHC  
  
Volume type is FAT32  
  
Volume size (bytes): 1680932864  
Volume size (Kbytes): 1641536  
Volume size (Mbytes): 1603  
  
Files found on the card (name, date and size in bytes):  
SYSTEM~1/      2018-08-15 23:34:54  
  INDEXE~1      2018-08-15 23:34:54 76  
  WPSETT~1.DAT  2018-08-15 23:34:54 12  
DEFAULTS/      2018-03-14 08:38:00
```

At the bottom of the window, the settings are configured to "Both NL & CR" line endings, "9600 baud" rate, and "Autoscroll" is checked. There is a "Send" button at the top right and a "Clear output" button at the bottom right.