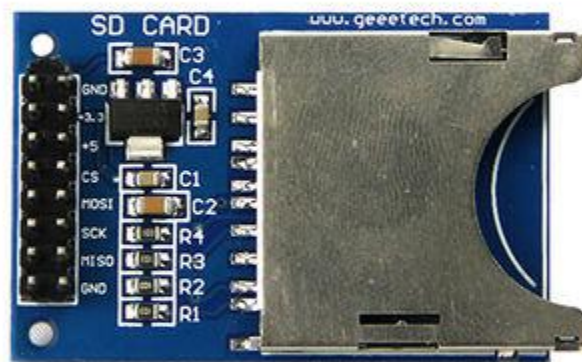


Arduino SD card Module

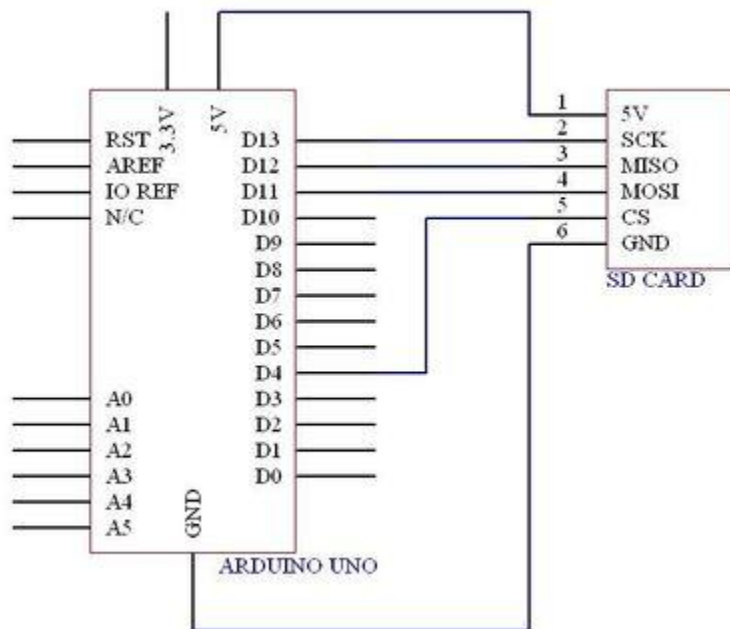


The Arduino SD Card Shield is a simple solution for transferring data to and from a standard SD card. The pinout is directly compatible with Arduino, but can also be used with other microcontrollers. It allows you to add mass storage and data logging to your project.

Features

- Break out board for standard SD card.
- Contains a switch to select the flash card slot
- Sits directly on a Arduino
- Also be used with other microcontrollers

Usage



Document

Another SD card library [tinyFAT](#)

example code

Open Files ->Examples ->SD ->datalogger

```
#include <SD.h>
const int chipSelect = 4;
void setup()
{
  Serial.begin(9600);
  Serial.print("Initializing SD card...");
  // make sure that the default chip select pin is set to
  // output, even if you don't use it:
  pinMode(10, OUTPUT);

  // see if the card is present and can be initialized:
```

```
if (!SD.begin(chipSelect)) {
  Serial.println("Card failed, or not present");
  // don't do anything more:
  return;
}
Serial.println("card initialized.");
}
void loop()
{
  // make a string for assembling the data to log:
  String dataString = "";
  // read three sensors and append to the string:
  for (int analogPin = 0; analogPin < 3; analogPin++) {
    int sensor = analogRead(analogPin);
    dataString += String(sensor);
    if (analogPin < 2) {
      dataString += ",";
    }
  }
  File dataFile = SD.open("datalog.txt", FILE_WRITE);
  if (dataFile) {
    dataFile.println(dataString);
    dataFile.close();
    Serial.println(dataString);
  }
  else {
    Serial.println("error opening datalog.txt");
  }
}
```