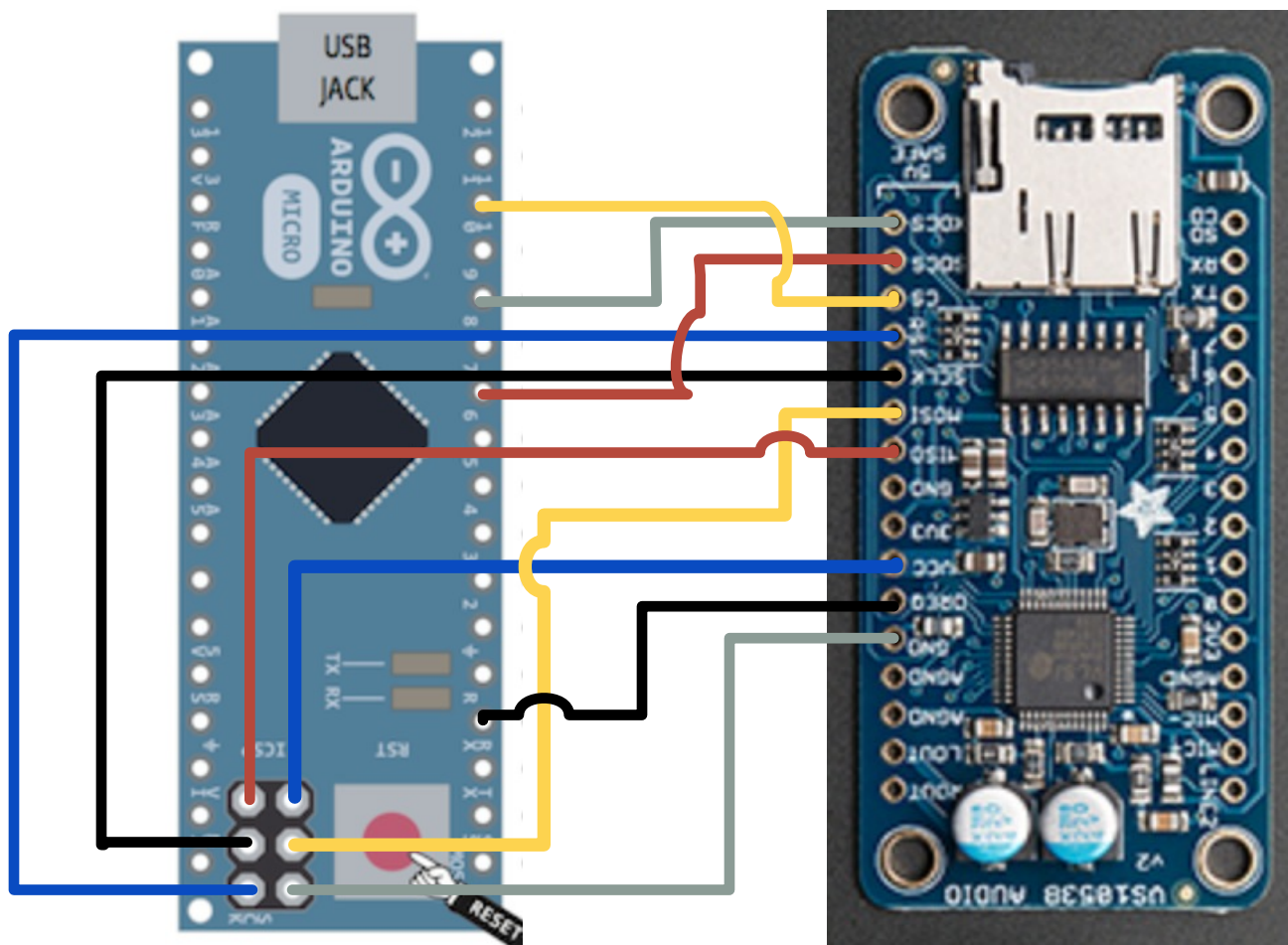# Arduino Micro to Adafruit VS1053 Codec Connections
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```
#include <SPI.h>
#include <SD.h>
#include <Adafruit_VS1053.h>

void setup() {
Serial.begin(9600);
while (!Serial) {
   ; // wait for serial port to connect. Needed for Leonardo only
 }
}

#define CLK 9        // SPI Clock, shared with SD card
#define MISO 11      // Input data, from VS1053/SD card
#define MOSI 10      // Output data, to VS1053/SD card
#define RESET 13     // VS1053 reset pin (output)
#define CS 10        // VS1053 chip select pin (output)
#define DCS 8        // VS1053 Data/command select pin (output)
#define DREQ 4       // VS1053 Data request pin (into Arduino)
#define CARDCS 6     // Card chip select pin

Adafruit_VS1053_FilePlayer musicPlayer = Adafruit_VS1053_FilePlayer(RESET, CS, DCS, DREQ, CARDCS);

void init(){
    // initialise the music player
    if (!musicPlayer.begin()) {
      Serial.println("VS1053 not found");
    }

    SD.begin(CARDCS);    // initialise the SD card
    musicPlayer.setVolume(20,20);
    musicPlayer.useInterrupt(VS1053_FILEPLAYER_PIN_INT);  // DREQ int

    musicPlayer.sineTest(0x44, 500);    // Make a tone to indicate VS1053 is working

    musicPlayer.playFullFile("FRANK.OGG");
}
```