Retired Product

This is a retired product. There is an updated version available: DEV-12660

SparkFun MP3 Player Shield

DEV-10628 ROHS

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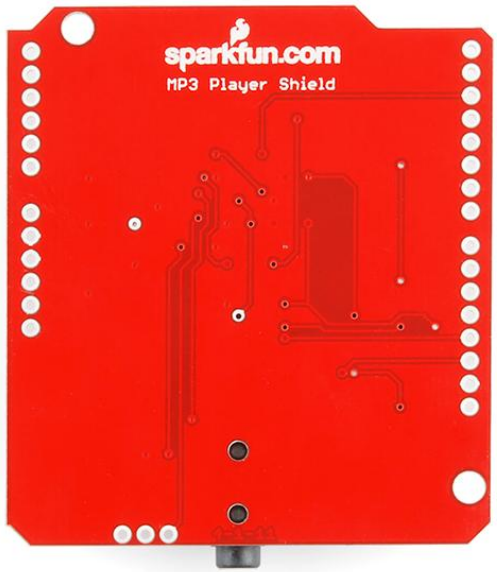

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FAVORITE 2

Description: This new revision of the SparkFun MP3 player shield retains the awesome MP3 decoding abilities of the last version but adds the storage functionality of the SD card shield. Now you can pull MP3 files from an microSD card and play them using only one shield, effectively turning any Arduino into a fully

WISH LIST

Skills 2

functional stand-alone MP3 player! The MP3 Shield still utilizes the VS1053B MP3 audio decoder IC to decode audio files. The VS1053 is also capable of decoding Ogg Vorbis/MP3/AAC/WMA/MIDI audio and encoding IMA ADPCM and user-loadable Ogg Vorbis.

The VS1053 receives its input bitstream through a serial input bus (SPI). After the stream has been decoded by the IC, the audio is sent out to both a 3.5mm stereo headphone jack, as well as a 2-pin 0.1" pitch header.

This shield comes populated with all components as shown in the images and schematic; but it does not come with headers installed. We recommend the 6 and 8-pin stackable headers.

Note: Please refer to the Line Out document below for important information regarding connecting this shield directly to an amplifier.

Features:

- 3.5mm audio out jack
- 0.1" spaced header for speaker out
- microSD card slot

Documents:

- Schematic
- Eagle Files
- Datasheet (VS1053B)
- Hookup Guide
- MP3 Player Example Code
- Line Out Information
- Sample MP3 Files
- MP3 Player Control Example
- MP3 Decoding Example Sketch
- GitHub

Checkout the great MP3 Player library that Bill created (and fixed some of our programming bugs!). Bill, we owe you a beer.