

# LilyPad MP3

DEV-11013

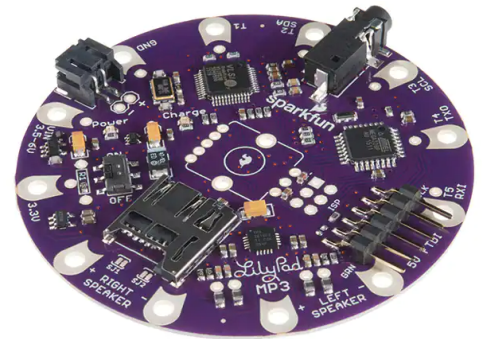
## Product Overview

05-30-2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

SparkFun LilyPad MP3 is an all-in-one audio solution that contains an MP3 audio decoder chip, stereo audio amplifier, micro-SD card, and an Arduino-compatible microcontroller. The LilyPad MP3 board features a headphone jack and five trigger inputs that can be used as I<sup>2</sup>C (wire) and connections, analog, and serial. This mp3 board features a header for 5V FTDI basic breakout board and an optional RGB rotary encoder for reprogramming and battery charging.



## Features

- ATmega 328p microprocessor with Arduino bootloader (Pro 3.3V / 8MHz)
- VS1053B MP3 (and many other formats) decoder chip
- TPA2016D2 stereo amplifier
- MCP73831 3.7V Lipo charger
- Headphone jack
- Five trigger inputs that can be used as analog, serial, and I<sup>2</sup>C ("Wire") connections
- 5V FTDI basic breakout board for battery recharging and reprogramming
- Header for optional RGB rotary encoder (not included requires soldering)

## Mouser Part Number

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