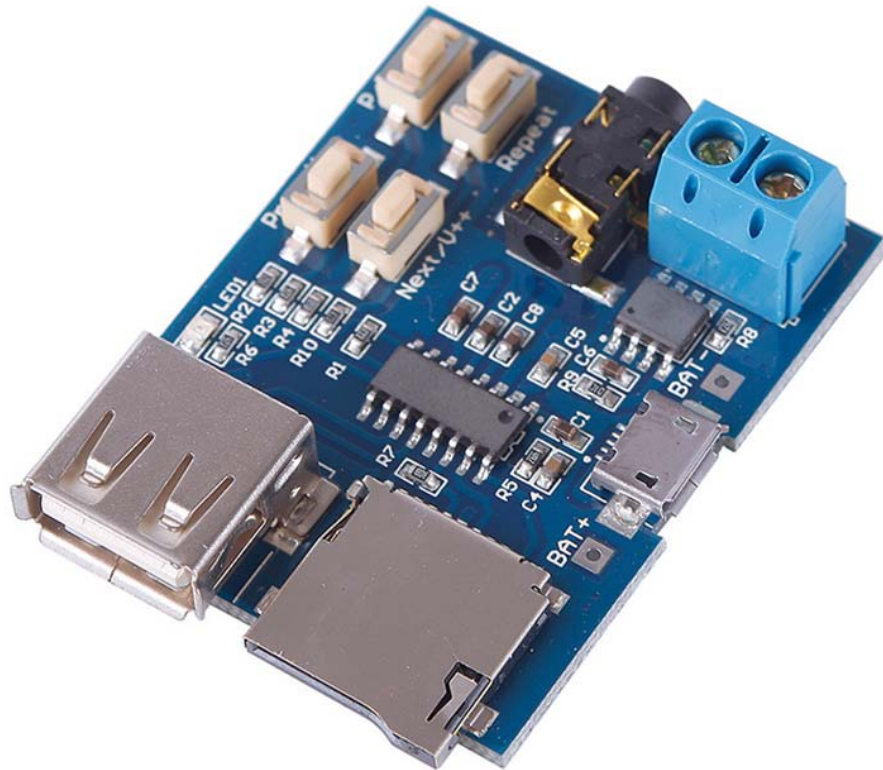


GPD2856 USB and microSD Card MP3 Player



This MP3 decoder board can play MP3 files from a USB flash drive or from a MicroSD flash memory card. The player has decent sound quality, an on-board 2W mono amplifier, and can be directly connected to a speaker. It also features a 3.5mm gold plated headphone jack that can connect headphones or an external audio amplifier.

Power Supply:

There is a MicroUSB port for powering the board through a standard MicroUSB (mobile phone) cable. There are also solder terminals for connecting a 3.7V lithium battery pack. The battery terminals can handle up to 5.5V DC. Power applied to the MicroUSB port can also charge the attached 3.7V lithium battery. Please note that some USB sticks require 5V minimum and will not work with the 3.7V power supply option.

Flash Memory:

The player supports files stored on both a USB flash drive (tested up to 32GB) and a MicroSD flash card (tested up to 16GB). If both are installed, the SD card plays first, but can be overridden by the "mode" button. The tracks will load and start playing automatically upon power up. The chip appears to be able to automatically traverse through folders off of the root to find MP3 files.

LED:

When an MP3 is playing, the red LED flashes.

Prev / V-- Button:

Short Press for previous track. Long Press for volume down.

Next / V++ Button:

Short Press for next track. Long Press for volume up.

P / P / Mode Button: Short Press for Play/Pause:

Long Press for USB/microSD toggle.

Repeat Button:

Single Track / Cycle All Tracks toggle (powers up into cycle mode).

(Long Press is approximately two seconds.)

Features:

- Super quality, onboard 2W mono amplifier (5V supply up to 3W) directly connected to the speaker (Recommended with 4Ω/3W speakers).
- 3.5mm gold plated headphone jack can be connected to headphones or an external amplifier board.
- With MicroUSB power supply interface, the use of mobile power supply or USB charger powered via phone lines, may also be 3.7V lithium battery, USB 5V power supply.
- Support TF card (memory card in your phone), USB disk playback mode.
- Screw speaker terminals without soldering for easy connection to speakers.
- Module is designed to facilitate modification.
- Power range: 3.7 ~ 5.5V.
- Size: 45mm x 36mm.

Connecting to External Power Amplifier:

Recommended Power Amplifier: [TDA7498MOD 2x100W Class-D Audio Amplifier](#)

