



Description

The PT8401 is a single chip MPEG audio decoder capable of decoding all layers compressed elementary streams, as specified in MPEG 1 and MPEG 2 ISO standards. With external A/D converter, it can also compress incoming signal by using ADPCM algorithm, therefore it can also playback ADPCM bitstream.

Features

- Supports all the sampling frequency of MPEG1 (32/44.1/48KHz) and MPEG2(16/22.05/24KHz)
- Serial Bit Stream Input Interface
- I²S/Normal Audio Data Output Format delivered via an Serial Bus
- Power Saving Mode Support
- Supports DAC Master Clock (256*fs / 384*fs for 16 / 24 bit DAC)
- Built-in Tone and Digital Equalizer Control
- Bass Booster Function
- 3D Sound Effect Function
- Available in 44-pin Plastic LQFP Package

Applications

- Portable MP3 Player (Flash Memory Type)
- PDA with MP3 Player
- Cellular Phone with MP3 Player
- Hard Disk MP3 Player (IDE Interface)
- CD MP3 Player
- Digital Voice Recorder



Typical Application Diagram

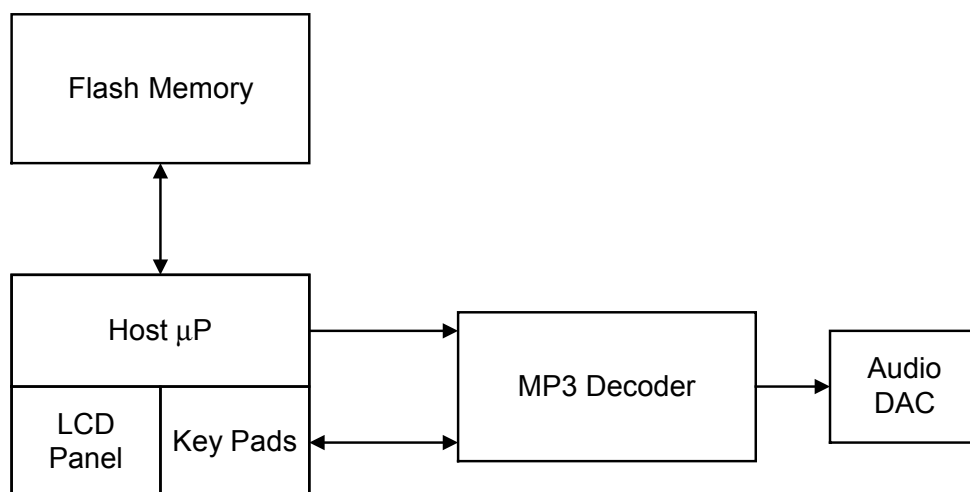


Figure 1: Typical Application Diagram



Pin Configuration

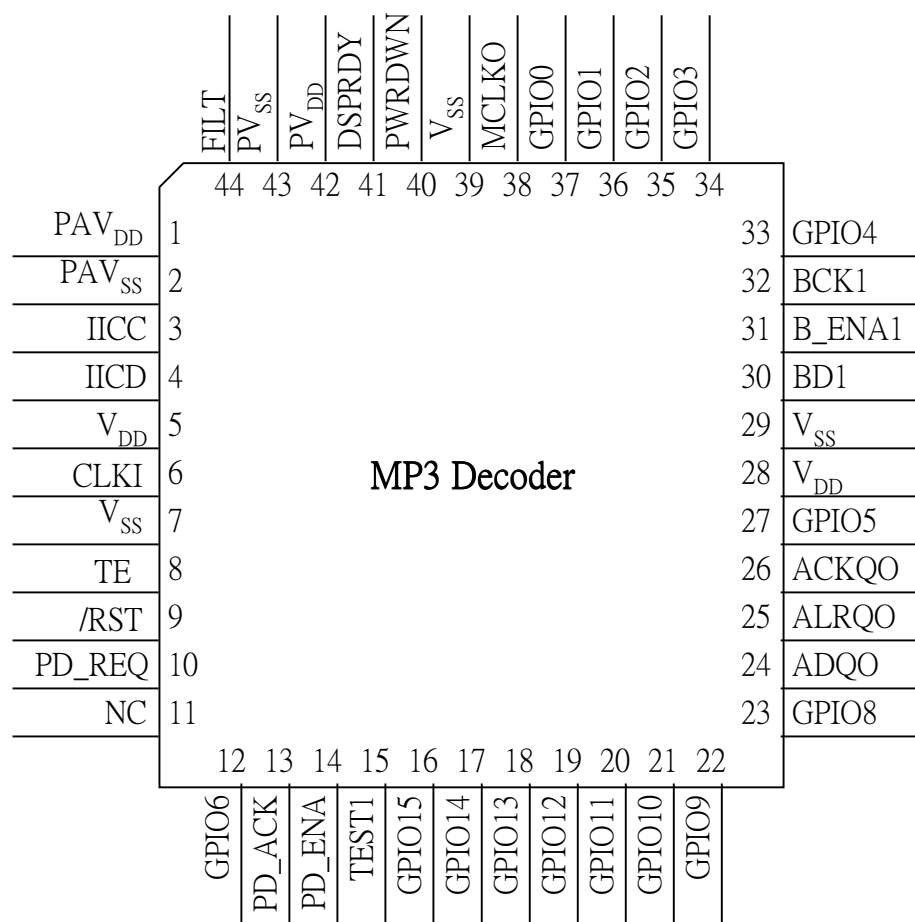


Figure 2: PT8401 Pin Configuration

Order Information

Valid Part Number	Package Type
PT8401	44-pins, LQFP Package