USB−MP3 Board

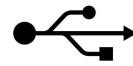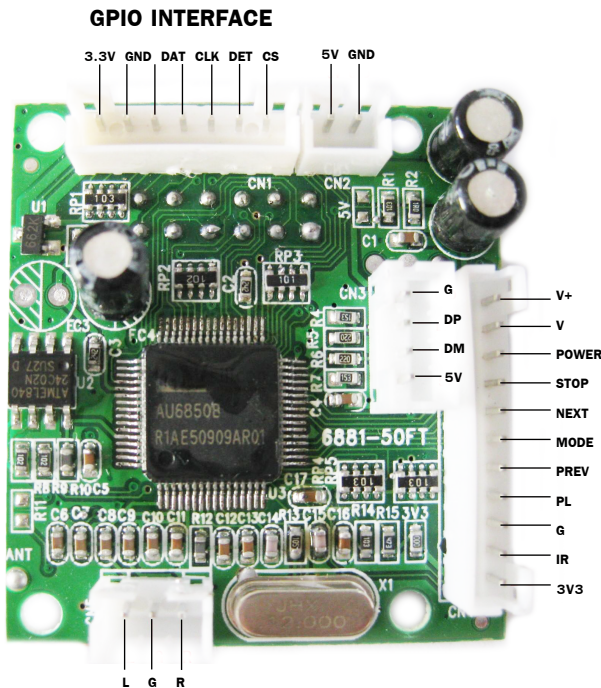**Solution: 6881-50FT Series**

6881−50FT

6881−50FT W/FM (with FM)

Features

- Low power 0.18um CMOS technology
- Power supply 1.8V/3.3V, power consumption 85mw
- Enhanced 8051, up to 10 times faster than standard 8051
- Dynamic MCU running clock frequency adjustment to reduce power consumption and EMI
- USB2.0 full-speed host controller
- SD/MMC card controller
- Support MPEG 1/2/2.5 layer2/3 decoding, data rate 32kbps ~ 320kbps, including VBR
- Support 9 sampling frequency: 8kHz/11.025kHz/12kHz/16kHz/22.05kHz/24kHz/32kHz/44.1kHz/48kHz
- Embedded sound equalizer
- Support tag format ID3v1 and ID3v2.4
- Support FAT16/FAT32 file system
- Embedded 16-bit sigma-delta audio DAC
- Embedded headphone amplifier
- Support IR Remote control
- GPIO for various purposes
- Embedded LDO 3.3V->1.8V
- Pin to Pin compatible with AU6850l
- Embedded 32KB OTP memory for program code storage